LIGHTING METROPOLIS WP6.1
SECTION 2

APPENDIX

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Lighting Metropolis

AALBORG UNIVERSITET

FILLING THE GAPS:
SHAPING LIGHTING EDUCATION FOR THE FUTURE
SECTION 2

Skriftserie: Arkitektur & Design (A&D Files) Aalborg Universitet
ISSN nr. 1603-6204
Volumen nr. 113

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September 2017, København

APPENDIX

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APPENDIX A
COMPETENCY MAPPING

8 themes related to lighting design

111 competencies have been divided into 8 themes based on character and format, all themes based on common elements in a lighting design process including: experience, health, technology, energy, planning, daylight, digitalization, measurements and characteristics.

Light & Experience #1
- *How do we experience light?*
- *Perception, shadows, materials, ambience.*
- *11 sub points*

Light, Health & Wellbeing #2
- *How are we affected by light?*
- *Health, work environment, circadian rhythm, anatomy of the eye, non-visual effects.*
- *10 sub points*

Light & Technology #3
- *How is the light controlled?*
- *Luminaire manufacturing, sensor technology, optics and lenses, interface*
- *8 sub points*

Light & Energy #4
- *How much energy does it use?*
- *Sustainability, consumption, solar power, energy classes etc.*
- *8 sub points*

Light & Planning #5
- *How to run a project indoor/outdoor*
- *Strategy, planning, economy, descriptions, specifications, concept development, traffic/road light, commissioning*
- *26 sub points*

Daylight #6
- *How do we control the natural light?*
- *Glass, facades, sensors, autonomy, heat, shading etc.*
- *16 sub points*

Digitalized Lighting #7
- *How do we digitalize the light?*
- *Simulation, interaction, Smart city, VR, renderings, Big data and programming*
- *11 sub points*

Light Characteristics & Measurement #8
- *How to quantify the light?*
- *Calculations, photometry, physics, data, calibration, evaluation of light sources*
- *21 sub points*

APPENDIX A
COMPETENCY MAPPING

111 competencies

All competencies have been organized by a numbering system, to ease the understanding. First number states which theme the given competency is part of and second number the order within the theme.

1.0 Light & Experience

1.1 Light culture and traditions
1.2 Art - with the use of light
1.3 Architectural lighting
1.4 Landscape Planning and light
1.5 Communication - with the use of light
1.6 Visual perception
1.7 Atmosphere - including the use of lighting
1.8 Materials and its lighting properties
1.9 Aesthetics - in relation to the light / lighting / lamps
1.10 Sensory experiences - including the use of lighting
1.11 Shadow and form drawing

2.0 Light, Health & Wellbeing

2.1 Biological lighting
2.2 Light and circadian rhythm
2.3 Human centric lighting
2.4 Effects of visible light on humans
2.5 Effects of non-visible light on humans
2.6 Optometry
2.7 Light in medical technology
2.8 Visual ergonomics
2.9 The eye's anatomy and physiology
2.10 Working environment and lighting

3.0 Light & Technology

3.1 Sensor technology
3.2 Optics and lenses
3.3 Light source development
3.4 Light source manufacturing
3.5 Luminaire design
3.6 Luminaire manufacturing
3.7 Wireless lighting
3.8 Interface for lighting control

4.0 Light & Energy

4.1 Energy consumption
4.2 Solar energy
4.3 Power system design
4.4 Power Systems and Building Construction
4.5 Building Integrated energy production
4.6 Introduction to energy classes
4.7 Energy friendly light sources
4.8 Energy renovation (including lighting)

5.0 Light & Planning

5.1 Light strategies
5.2 Lighting masterplans
5.3 Light planning
5.4 Economy
5.5 Lighting legislation
5.6 Urban design and lighting
5.7 Technical descriptions (including lighting)
5.8 Tender specifications (including lighting)
5.9 Light signals
5.10 Traffic lighting
5.11 Public lighting
5.12 Light pollution
5.13 Safety lighting
5.14 Panic / escape / emergency lighting
5.15 Working environment and lighting
5.16 Landscape planning and light
5.17 Lighting concept development

APPENDIX A
COMPETENCY MAPPING

5.0 Light & Planning

5.18 Luminous signs
5.19 Communication using lighting
5.20 Project planning (including lighting)
5.21 Lighting standards
5.22 Building Act - in relation to indoor electric lighting
5.23 Building Act - in relation to outdoor electric lighting
5.24 Road lighting
5.25 Commissioning and maintenance (of lighting)
5.26 Commissioning and maintenance (of computerised systems)

6.0 Daylight

6.1 Daylight openings
6.2 Building construction
6.3 Daylight and spatial design
6.4 Facades
6.5 Glass, glass coatings etc.
6.6 Daylight and thermal comfort
6.7 Daylight autonomy
6.8 Shading systems
6.9 Building components of glass (other transparent materials)
6.10 Surrounding environments influence on daylighting
6.11 Windows and rooflight
6.12 Daylight sensors
6.13 Daylight factor
6.14 Daylight calculation
6.15 Useful Daylight Illuminance (UDI)
6.16 Surface design (surface, reflectance, texture etc.)

7.0 Digitalised Light

7.1 Light simulation
7.2 Intelligent lighting
7.3 Interactive lighting
7.4 Computer rendering
7.5 Virtual reality
7.6 Programming
7.7 Virtual models
7.8 Software development
7.9 Applications
7.10 Smart City
7.11 Big Data

8.0 Light Characteristics & Measurements

8.1 Radiation
8.2 Glare
8.3 Colour rendering
8.4 Colour temperature
8.5 Flicker
8.6 Evaluation of light sources
8.7 Calibration of measuring equipment
8.8 The use of light measuring instruments
8.9 Light measuring methods
8.10 Biometric data collection
8.11 Evaluation of luminaires
8.12 Spectral distribution
8.13 Diffusion of light
8.14 Transmission of light
8.15 Reflection of light
8.16 Refraction of light
8.17 Photonics
8.18 Photometry
8.19 Light calculation
8.20 Light sources - aging and degradation
8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)

APPENDIX A
DISCRIPTIVE ANALYSIS

1. Light & experience	Respondents	Percent	Value	Average	Median	Modus
Average	87			2,1191196	1,9090909	1,1818182
1.1 Light culture and traditions						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	12	13,8%	4	48		
To some dregree	15	17,2%	3	45		
To lesser dregree	24	27,6%	2	48	V	
Not at all	35	40,2%	1	35		V
Don't know	1	1,1%			Q1	
Comment	0	0,0%			Q2	
Total	87	100,0%		2,0465116	2	1
		100,0%		86	43	21,5
1.2 Art - with the use of light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	5	5,7%	4	20		
To some dregree	8	9,1%	3	24		
To lesser dregree	25	28,4%	2	50		
Not at all	50	56,8%	1	50	V	V
Don't know	0	0,0%				
Comment	0	0,0%				
Total	88	100,0%		1,6363636	1	1
		100,0%		88	44	22
1.3 Architectural lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	18,2%	4	64		
To some dregree	11	12,5%	3	33		
To lesser dregree	20	22,7%	2	40	V	
Not at all	40	45,5%	1	40		V
Don't know	1	1,1%				
Comment	0	0,0%				
Total	88	100,0%		2,0344828	2	1
		100,0%		87	43,5	21,75
1.4 Landscape Planning and light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	6	6,9%	4	24		
To some dregree	11	12,6%	3	33		
To lesser dregree	19	21,8%	2	38		
Not at all	48	55,2%	1	48	V	V
Don't know	3	3,4%				
Comment	0	0,0%				
Total	87	100,0%		1,702381	1	1
		100,0%		84	42	21
1.5 Communication - with the use of light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	14	16,5%	4	56		
To some dregree	13	15,3%	3	39		
To lesser dregree	14	16,5%	2	28		
Not at all	41	48,2%	1	41	V	V
Don't know	2	2,4%				
Comment	1	1,2%				
Total	85	100,0%		2	1	1
				82	41	20,5
1.6 Visual perception						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	22,4%	4	76		
To some dregree	18	21,2%	3	54	V	
To lesser dregree	12	14,1%	2	24		
Not at all	24	28,2%	1	24		V
Don't know	10	11,8%				
Comment	2	2,4%				
Total	85	100,0%		2,4383562	3	1
				73	36,5	18,25
1.7 Atmosphere - including the use of lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	22	25,3%	4	88		
To some dregree	20	23,0%	3	60		
To lesser dregree	17	19,5%	2	34	V	
Not at all	26	29,9%	1	26		V
Don't know	2	2,3%				
Comment	0	0,0%				
Total	87	100,0%		2,4470588	2	1
				85	42,5	21,25
1.8 Materials and its lighting properties						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	25	29,1%	4	100		
To some dregree	26	30,2%	3	78	V	V
To lesser dregree	17	19,8%	2	34		
Not at all	15	17,4%	1	15		
Don't know	2	2,3%				
Comment	1	1,2%				
Total	86	100,0%		2,7349398	3	3
				83	41,5	20,75
1.9 Aesthetics - in relation to the light / lighting / lamps						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	17	19,3%	4	68		
To some dregree	19	21,6%	3	57		
To lesser dregree	15	17,0%	2	30	V	
Not at all	33	37,5%	1	33		V
Don't know	4	4,5%				
Comment	0	0,0%				
Total	88	100,0%		2,2380952	2	1
				84	42	21
1.10 Sensory experiences - including the use of lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	9	10,2%	4	36		
To some dregree	14	15,9%	3	42		
To lesser dregree	20	22,7%	2	40	V	
Not at all	35	39,8%	1	35		V
Don't know	9	10,2%				
Comment	1	1,1%				
Total	88	100,0%		1,9615385	2	1
				78	39	19,5
1.11 Shadow and form drawing						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	18,2%	4	64		
To some dregree	13	14,8%	3	39		
To lesser dregree	17	19,3%	2	34	V	
Not at all	39	44,3%	1	39		V
Don't know	2	2,3%				
Comment	1	1,1%				
Total	88	100,0%		2,0705882	2	1
				85	42,5	21,25
2. Light, health & wellbeing	Respondents	Percent	Value	Average	Median	Modus
Average	85,9			1,8394875	1,4	1
2.1 Biological lighting						
	Respondents	Percent	Value	Average	Median	Modus

1. Light & experience	Respondents	Percent	Value	Average	Median	Modus
Average	91,1818182			3,0282015	2,9	3,4
1.1 Light culture and traditions						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	20,65%	4	76		
To some dregree	39	42,39%	3	117	V	V
To lesser dregree	22	23,91%	2	44		
Not at all	4	4,35%	1	4		
Don't know	7	7,61%				
Comment	1	1,09%				
Total	92	100,00%		2,8690476	3	3
			100,00%	84	42	21
1.2 Art - with the use of light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	10	10,87%	4	40		
To some dregree	29	31,52%	3	87		
To lesser dregree	31	33,70%	2	62	V	V
Not at all	15	16,30%	1	15		
Don't know	6	6,52%				
Comment	1	1,09%				
Total	92	100,00%		2,4	2	2
			100,00%	85	42,5	21,25
1.3 Architectural lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	37	40,66%	4	148		V
To some dregree	35	38,46%	3	105	V	
To lesser dregree	12	13,19%	2	24		
Not at all	1	1,10%	1	1		
Don't know	5	5,49%				
Comment	1	1,10%				
Total	91	100,00%		3,2705882	3	4
			100,00%	85	42,5	21,25
1.4 Landscape Planning and light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	33	36,26%	4	132		V
To some dregree	30	32,97%	3	90	V	
To lesser dregree	14	15,38%	2	28		
Not at all	5	5,49%	1	5		
Don't know	7	7,69%				
Comment	2	2,20%				
Total	91	100,00%		3,1097561	3	4
			100,00%	82	41	20,5
1.5 Communication - with the use of light						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	20	22,22%	4	80		
To some dregree	35	38,89%	3	105	V	V
To lesser dregree	22	24,44%	2	44		
Not at all	6	6,67%	1	6		
Don't know	6	6,67%				
Comment	1	1,11%				
Total	90	100,00%		2,8313253	3	3
			100,00%	83	41,5	20,75
1.6 Visual perception						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	26	28,26%	4	104		
To some dregree	34	36,96%	3	102	V	V
To lesser dregree	11	11,96%	2	22		
Not at all	4	4,35%	1	4		
Don't know	14	15,22%				
Comment	3	3,26%				
Total	92	100,00%		3,0933333	3	3
			100,00%	75	37,5	18,75
1.7 Atmosphere - including the use of lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	39	42,39%	4	156		V
To some dregree	35	38,04%	3	105	V	
To lesser dregree	10	10,87%	2	20		
Not at all	2	2,17%	1	2		
Don't know	6	6,52%				
Comment	0	0,00%				
Total	92	100,00%		3,2906977	3	4
			100,00%	86	43	21,5
1.8 Materials and its lighting properties				24/08/17		
	Respondents	Percent	Value	Average	Median	Modus
To high degree	39	42,86%	4	156		V
To some dregree	28	30,77%	3	84	V	
To lesser dregree	16	17,58%	2	32		
Not at all	4	4,40%	1	4		
Don't know	4	4,40%				
Comment	0	0,00%				
Total	91	100,00%		3,1724138	3	4
			100,00%	87	43,5	21,75
1.9 Aesthetics - in relation to the light / lighting / lamps						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	39	43,33%	4	156		V
To some dregree	34	37,78%	3	102	V	
To lesser dregree	9	10,00%	2	18		
Not at all	3	3,33%	1	3		
Don't know	4	4,44%				
Comment	1	1,11%				
Total	90	100,00%		3,2823529	3	4
			100,00%	85	42,5	21,25
1.10 Sensory experiences - including the use of lighting						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	20	22,22%	4	80		
To some dregree	39	43,33%	3	117	V	V
To lesser dregree	19	21,11%	2	38		
Not at all	2	2,22%	1	2		
Don't know	10	11,11%				
Comment	0	0,00%				
Total	90	100,00%		2,9625	3	3
			100,00%	80	40	20
1.11 Shadow and form drawing						
	Respondents	Percent	Value	Average	Median	Modus
To high degree	20	21,74%	4	80		
To some dregree	25	27,17%	3	75	V	V
To lesser dregree	20	21,74%	2	40		
Not at all	14	15,22%	1	14		
Don't know	12	13,04%				
Comment	1	1,09%				
Total	92	100,00%		2,6455696	3	3
			100,00%	79	39,5	19,75
2. Light, health & wellbeing	Respondents	Percent	Value	Average	Median	Modus
Average	87,8			2,6272077	2,7	2,9
2.1 Biological lighting						
	Respondents	Percent	Value	Average	Median	Modus

To high degree	5	5,7%	4	20				To high degree	20	22,99%	4	80		
To some degree	7	8,0%	3	21				To some degree	29	33,33%	3	87	V	V
To lesser dregree	14	16,1%	2	28				To lesser dregree	18	20,69%	2	36		
Not at all	53	60,9%	1	53	V	V		Not at all	11	12,64%	1	11		
Don't know	6	6,9%						Don't know	9	10,34%				
Comment	2	2,3%						Comment	0	0,00%				
Total	87	100,0%		1,5443038	1	1		Total	87	100,00%		2,7435897	3	3
				79	39,5	19,75					100,00%	78	39	19,5
2.2 Light and circadian rhythm								2.2 Light and circadian rhythm						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	10	11,5%	4	40				To high degree	26	29,21%	4	104		
To some dregree	21	24,1%	3	63				To some dregree	32	35,96%	3	96	V	V
To lesser dregree	16	18,4%	2	32	V			To lesser dregree	21	23,60%	2	42		
Not at all	37	42,5%	1	37		V		Not at all	6	6,74%	1	6		
Don't know	1	1,1%						Don't know	4	4,49%				
Comment	2	2,3%						Comment	0	0,00%				
Total	87	100,0%		2,047619	2	1		Total	89	100,00%		2,9176471	3	3
				84	42	21					100,00%	85	42,5	21,25
2.3 Human centric lighting								2.3 Human centric lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,0%	4	24				To high degree	21	24,14%	4	84		
To some dregree	9	10,5%	3	27				To some dregree	26	29,89%	3	78	V	V
To lesser dregree	9	10,5%	2	18				To lesser dregree	11	12,64%	2	22		
Not at all	52	60,5%	1	52	V	V		Not at all	10	11,49%	1	10		
Don't know	9	10,5%						Don't know	17	19,54%				
Comment	1	1,2%						Comment	2	2,30%				
Total	86	100,0%		1,5921053	1	1		Total	87	85,29%		2,8529412	3	3
		68,42%		76	38	19				14,71%	100,00%	68	34	17
2.4 Effects of visible light on humans								2.4 Effects of visible light on humans						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	11	12,9%	4	44				To high degree	24	26,97%	4	96		
To some dregree	16	18,8%	3	48				To some dregree	30	33,71%	3	90	V	V
To lesser dregree	19	22,4%	2	38	V			To lesser dregree	14	15,73%	2	28		
Not at all	33	38,8%	1	33		V		Not at all	11	12,36%	1	11		
Don't know	5	5,9%						Don't know	10	11,24%				
Comment	1	1,2%						Comment	0	0,00%				
Total	85	100,0%		2,0632911	2	1		Total	89	100,00%		2,8481013	3	3
				79	39,5	19,75					100,00%	79	39,5	19,75
2.5 Effects of non-visible light on humans								2.5 Effects of non-visible light on humans						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	9	10,6%	4	36				To high degree	15	17,44%	4	60		
To some dregree	7	8,2%	3	21				To some dregree	20	23,26%	3	60		V
To lesser dregree	14	16,5%	2	28				To lesser dregree	20	23,26%	2	40	V	V
Not at all	43	50,6%	1	43	V	V		Not at all	16	18,60%	1	16		
Don't know	9	10,6%						Don't know	15	17,44%				
Comment	3	3,5%						Comment	0	0,00%				
Total	85	100,0%		1,7534247	1	1		Total	86	100,00%		2,4788732	2	2,5
				73	36,5	18,25					100,00%	71	35,5	17,75
2.6 Optometry								2.6 Optometry						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,1%	4	24				To high degree	5	5,62%	4	20		
To some dregree	6	7,1%	3	18				To some dregree	18	20,22%	3	42		
To lesser dregree	15	17,6%	2	30				To lesser dregree	20	22,47%	2	64	V	V
Not at all	43	50,6%	1	43	V	V		Not at all	14	15,73%	1	0		
Don't know	15	17,6%						Don't know	32	35,96%				
Comment	0	0,0%						Comment	0	0,00%				
Total	85	100,0%		1,6428571	1	1		Total	89	100,00%		2,2105263	2	2
				70	35	17,5					100,00%	57	28,5	14,25
2.7 Light in medical technology								2.7 Light in medical technology						

	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	5	5,9%	4	20				To high degree	4	4,60%	4	16		
To some dregree	6	7,1%	3	18				To some dregree	9	10,34%	3	27		
To lesser dregree	17	20,0%	2	34				To lesser dregree	27	31,03%	2	54	V	V
Not at all	54	63,5%	1	54	V	V		Not at all	25	28,74%	1	25		
Don't know	3	3,5%						Don't know	22	25,29%				
Comment	0	0,0%						Comment	0	0,00%				
Total	85	100,0%		1,5365854	1	1		Total	87	100,00%		1,8769231	2	2
				82	41	20,5					100,00%	65	32,5	16,25
2.8 Visual ergonomics								2.8 Visual ergonomics						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	7	8,1%	4	28				To high degree	21	24,14%	4	84		V
To some dregree	13	15,1%	3	39				To some dregree	21	24,14%	3	63	V	V
To lesser dregree	16	18,6%	2	32				To lesser dregree	10	11,49%	2	20		
Not at all	43	50,0%	1	43	V	V		Not at all	16	18,39%	1	16		
Don't know	7	8,1%						Don't know	19	21,84%				
Comment	0	0,0%						Comment	0	0,00%				
Total	86	100,0%		1,7974684	1	1		Total	87	100,00%		2,6911765	3	3,5
				79	39,5	19,75					100,00%	68	34	17
2.9 The eye's anatomy and physiology								2.9 The eye's anatomy and physiology						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	10	11,6%	4	40				To high degree	7	7,95%	4	28		
To some dregree	15	17,4%	3	45				To some dregree	23	26,14%	3	69		V
To lesser dregree	24	27,9%	2	48	V			To lesser dregree	18	20,45%	2	36	V	
Not at all	37	43,0%	1	37		V		Not at all	20	22,73%	1	20		
Don't know	0	0,0%						Don't know	20	22,73%				
Comment	0	0,0%						Comment	0	0,00%				
Total	86	100,0%		1,9767442	2	1		Total	88	100,00%		2,25	2	3
				86	43	21,5					100,00%	68	34	17
2.10 Working environment and lighting								2.10 Working environment and lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	22	25,3%	4	88				To high degree	47	52,81%	4	188	V	V
To some dregree	17	19,5%	3	51				To some dregree	31	34,83%	3	93		
To lesser dregree	21	24,1%	2	42	V			To lesser dregree	6	6,74%	2	12		
Not at all	24	27,6%	1	24		V		Not at all	3	3,37%	1	3		
Don't know	2	2,3%						Don't know	2	2,25%				
Comment	1	1,1%						Comment	0	0,00%				
Total	87	100,0%		2,4404762	2	1		Total	89	100,00%		3,4022989	4	4
				84	42	21					100,00%	87	43,5	21,75
3. Light & technology	Respondents	Percent	Value	Average	Median	Modus		**3. Light & technology**	Respondents	Percent	Value	Average	Median	Modus
Average	84,125			1,8580346	1,5	1		Average	87,5			2,746409	2,875	3,375
3.1 Sensor technology								3.1 Sensor technology						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	14	16,5%	4	56				To high degree	28	32,18%	4	112		V
To some dregree	17	20,0%	3	51				To some dregree	24	27,59%	3	72	V	
To lesser dregree	19	22,4%	2	38	V			To lesser dregree	18	20,69%	2	36		
Not at all	34	40,0%	1	34		V		Not at all	8	9,20%	1	8		
Don't know	1	1,2%						Don't know	9	10,34%				
Comment	0	0,0%						Comment	0	0,00%				
Total	85	100,0%		2,1309524	2	1		Total	87	100,00%		2,9230769	3	4
				84	42	21					100,00%	78	39	19,5
3.2 Optics and lenses (Filters, optical mirrors, prisms, foils etc.)								3.2 Optics and lenses (Filters, optical mirrors, prisms, foils etc.)						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	20	23,8%	4	80				To high degree	25	28,41%	4	100		
To some dregree	14	16,7%	3	42				To some dregree	26	29,55%	3	78	V	V
To lesser dregree	18	21,4%	2	36	V			To lesser dregree	15	17,05%	2	30		
Not at all	31	36,9%	1	31		V		Not at all	14	15,91%	1	14		
Don't know	1	1,2%						Don't know	7	7,95%				
Comment	0	0,0%						Comment	1	1,14%				

Total	84	100,0%		2,2771084	2	1			Total	88	100,0%		2,775	3	3
				83	41,5	20,75						100,00%	80	40	20
3.3 Light source development									3.3 Light source development						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,0%	4	40					To high degree	32	36,36%	4	128		V
To some dregree	18	21,7%	3	54					To some dregree	17	19,32%	3	51	V	
To lesser dregree	21	25,3%	2	42	V				To lesser dregree	20	22,73%	2	40		
Not at all	31	37,3%	1	31		V			Not at all	14	15,91%	1	14		
Don't know	3	3,6%							Don't know	5	5,68%				
Comment	0	0,0%							Comment	0	0,00%				
Total	83	100,0%		2,0875	2	1			Total	88	100,0%		2,8072289	3	4
				80	40	20						100,00%	83	41,5	20,75
3.4 Light source manufacturing									3.4 Light source manufacturing						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	4	4,8%	4	16					To high degree	12	13,64%	4	48		
To some dregree	11	13,1%	3	33					To some dregree	15	17,05%	3	45		
To lesser dregree	17	20,2%	2	34					To lesser dregree	27	30,68%	2	54	V	V
Not at all	50	59,5%	1	50	V	V			Not at all	25	28,41%	1	25		
Don't know	2	2,4%							Don't know	9	10,23%				
Comment	0	0,0%							Comment	0	0,00%				
Total	84	100,0%		1,6219512	1	1			Total	88	100,0%		2,1772152	2	2
				82	41	20,5						100,00%	79	39,5	19,75
3.5 Luminaire design									3.5 Luminaire design						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	8	9,5%	4	32					To high degree	35	40,23%	4	140		V
To some dregree	13	15,5%	3	39					To some dregree	27	31,03%	3	81	V	
To lesser dregree	20	23,8%	2	40					To lesser dregree	10	11,49%	2	20		
Not at all	41	48,8%	1	41	V	V			Not at all	9	10,34%	1	9		
Don't know	1	1,2%							Don't know	6	6,90%				
Comment	1	1,2%							Comment	0	0,00%				
Total	84	100,0%		1,8536585	1	1			Total	87	100,0%		3,0864198	3	4
		0,5		82	41	20,5					0,88888889	100,00%	81	40,5	20,25
3.6 Luminaire manufacturing									3.6 Luminaire manufacturing						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	1	1,2%	4	4					To high degree	15	17,44%	4	60		
To some dregree	7	8,2%	3	21					To some dregree	26	30,23%	3	78	V	V
To lesser dregree	14	16,5%	2	28					To lesser dregree	20	23,26%	2	40		
Not at all	61	71,8%	1	61	V	V			Not at all	16	18,60%	1	16		
Don't know	1	1,2%							Don't know	9	10,47%				
Comment	1	1,2%							Comment	0	0,00%				
Total	85	100,0%		1,3734494	1	1			Total	86	100,0%		2,5194805	3	3
				83	41,5	20,75						100,00%	77	38,5	19,25
3.7 Wireless lighting									3.7 Wireless lighting						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	1	1,2%	4	4					To high degree	14	15,91%	4	56		
To some dregree	11	12,9%	3	33					To some dregree	27	30,68%	3	81	V	V
To lesser dregree	18	21,2%	2	36					To lesser dregree	25	28,41%	2	50		
Not at all	49	57,6%	1	49	V	V			Not at all	7	7,95%	1	7		
Don't know	5	5,9%							Don't know	15	17,05%				
Comment	1	1,2%							Comment	0	0,00%				
Total	85	100,0%		1,5443038	1	1			Total	88	100,0%		2,6575342	3	3
				79	39,5	19,75						100,00%	73	36,5	18,25
3.8 Interface for lighting control									3.8 Interface for lighting control						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,3%	4	44					To high degree	29	32,95%	4	116		V
To some dregree	12	14,5%	3	36					To some dregree	28	31,82%	3	84	V	
To lesser dregree	22	26,5%	2	44	V				To lesser dregree	17	19,32%	2	34		
Not at all	36	43,4%	1	36		V			Not at all	5	5,68%	1	5		
Don't know	2	2,4%							Don't know	9	10,23%				

Comment	0	0,0%							Comment	0	0,00%				
Total	83	100,0%		1,9753086	2	1			Total	88	100,0%		3,0253165	3	4
				81	40,5	20,25						100,00%	79	39,5	19,75
4. Light & energy	Respondents	Percent	Value	Average	Median	Modus			**4. Light & energy**	Respondents	Percent	Value	Average	Median	Modus
Average	84,5			2,1340356	1,625	1,25			Average	87,625			2,8164337	3,125	2,9375
4.1 Energy consumption									4.1 Energy consumption						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	27	31,8%	4	108					To high degree	55	62,50%	4	220	V	V
To some dregree	23	27,1%	3	69	V	V			To some dregree	23	26,14%	3	69		
To lesser dregree	19	22,4%	2	38					To lesser dregree	5	5,68%	2	10		
Not at all	16	18,8%	1	16					Not at all	4	4,55%	1	4		
Don't know	0	0,0%							Don't know	1	1,14%				
Comment	0	0,0%							Comment	0	0,00%				
Total	85	100,0%		2,7176471	3	3			Total	88	100,0%		3,4827586	4	4
				85	42,5	21,25						100,00%	87	43,5	21,75
4.2 Solar energy									4.2 Solar energy						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	21	24,7%	4	84					To high degree	21	23,86%	4	84		
To some dregree	16	18,8%	3	48					To some dregree	17	19,32%	3	51		
To lesser dregree	20	23,5%	2	40	V				To lesser dregree	32	36,36%	2	64	V	V
Not at all	27	31,8%	1	27		V			Not at all	15	17,05%	1	15		
Don't know	0	0,0%							Don't know	3	3,41%				
Comment	1	1,2%							Comment	0	0,00%				
Total	85	100,0%		2,3690476	2	1			Total	88	100,0%		2,5176471	2	2
				84	42	21						100,00%	85	42,5	21,25
4.3 Power system design									4.3 Power system design						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	18	21,2%	4	72					To high degree	20	22,99%	4	80		
To some dregree	9	10,6%	3	27					To some dregree	23	26,44%	3	69	V	V
To lesser dregree	22	25,9%	2	44	V				To lesser dregree	23	26,44%	2	46		V
Not at all	36	42,4%	1	36		V			Not at all	13	14,94%	1	13		
Don't know	0	0,0%							Don't know	7	8,05%				
Comment	0	0,0%							Comment	1	1,15%				
Total	85	100,0%		2,1058824	2	1			Total	87	100,0%		2,6329114	3	2,5
				85	42,5	21,25						100,00%	79	39,5	19,75
4.4 Power Systems and Building Construction									4.4 Power Systems and Building Construction						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	15	17,6%	4	60					To high degree	18	20,69%	4	72		
To some dregree	11	12,9%	3	33					To some dregree	24	27,59%	3	72	V	
To lesser dregree	13	15,3%	2	26					To lesser dregree	25	28,74%	2	50		V
Not at all	46	54,1%	1	46	V	V			Not at all	14	16,09%	1	14		
Don't know	0	0,0%							Don't know	5	5,75%				
Comment	0	0,0%							Comment	1	1,15%				
Total	85	100,0%		1,9411765	1	1			Total	87	100,0%		2,5679012	3	2
				85	42,5	21,25						100,00%	81	40,5	20,25
4.5 Building Integrated energy production									4.5 Building Integrated energy production						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	10	11,9%	4	40					To high degree	14	15,91%	4	56		
To some dregree	13	15,5%	3	39					To some dregree	24	27,27%	3	72		V
To lesser dregree	14	16,7%	2	28					To lesser dregree	21	23,86%	2	42	V	
Not at all	46	54,8%	1	46	V	V			Not at all	21	23,86%	1	21		
Don't know	1	1,2%							Don't know	7	7,95%				
Comment	0	0,0%							Comment	1	1,14%				
Total	84	100,0%		1,8433735	1	1			Total	88	100,0%		2,3875	3	2
				83	41,5	20,75						100,00%	80	40	20
4.6 Introduction to energy classes									4.6 Introduction to energy classes						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	9	10,8%	4	36					To high degree	12	13,64%	4	48		

To some dregree	15	18,1%	3	45		
To lesser dregree	14	16,9%	2	28		
Not at all	43	51,8%	1	43	V	V
Don't know	1	1,2%				
Comment	1	1,2%				
Total	83	100,0%		1,8765432	1	1
				81	40,5	20,25

To some dregree	29	32,95%	3	87	V	V
To lesser dregree	20	22,73%	2	40		
Not at all	18	20,45%	1	18		
Don't know	9	10,23%				
Comment	0	0,00%				
Total	88	100,00%		2,443038	3	3
			100,00%	79	39,5	19,75

4.7 Energy friendly light sources

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	22,4%	4	76		
To some dregree	16	18,8%	3	48		
To lesser dregree	21	24,7%	2	42	V	
Not at all	28	32,9%	1	28		V
Don't know	1	1,2%				
Comment	0	0,0%				
Total	85	100,0%		2,3095238	2	1
				84	42	21

4.7 Energy friendly light sources

	Respondents	Percent	Value	Average	Median	Modus
To high degree	49	55,68%	4	196	V	V
To some dregree	20	22,73%	3	60		
To lesser dregree	12	13,64%	2	24		
Not at all	4	4,55%	1	4		
Don't know	2	2,27%				
Comment	1	1,14%				
Total	88	100,00%		3,3411765	4	4
			100,00%	85	42,5	21,25

4.8 Energy renovation (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	12	14,3%	4	48		
To some dregree	9	10,7%	3	27		
To lesser dregree	16	19,0%	2	32		
Not at all	40	47,6%	1	40	V	V
Don't know	6	7,1%				
Comment	1	1,2%				
Total	84	100,0%		1,9090909	1	1
		0,51948		77	38,5	19,25

4.8 Energy renovation (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	38	43,68%	4	152		V
To some dregree	25	28,74%	3	75	V	
To lesser dregree	13	14,94%	2	26		
Not at all	6	6,90%	1	6		
Don't know	5	5,75%				
Comment	0	0,00%				
Total	87	100,00%		3,1585366	3	4
		0,92682927	100,00%	82	41	20,5

5. Light & planning

	Respondents	Percent	Value	Average	Median	Modus
Average	81,8846154			1,7627121	39,227273	1

5.1 Light strategies

	Respondents	Percent	Value	Average	Median	Modus
To high degree	12	14,5%	4	48		
To some dregree	13	15,7%	3	39		
To lesser dregree	13	15,7%	2	26		
Not at all	40	48,2%	1	40	V	V
Don't know	5	6,0%				
Comment	0	0,0%				
Total	83	100,0%		1,9615385	1	1
				78	39	19,5

5.2 Lighting masterplans

	Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,3%	4	24		
To some dregree	7	8,5%	3	21		
To lesser dregree	7	8,5%	2	14		
Not at all	56	68,3%	1	56	V	V
Don't know	6	7,3%				
Comment	0	0,0%				
Total	82	100,0%		1,5131579	1	1
		0,73684		76	38	19

5.3 Light planning

	Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,4%	4	44		
To some dregree	11	13,4%	3	33		
To lesser dregree	21	25,6%	2	42	V	
Not at all	36	43,9%	1	36		V
Don't know	2	2,4%				
Comment	1	1,2%				
Total	82	100,0%		1,9620253	2	1

5. Light & planning

	Respondents	Percent	Value	Average	Median	Modus
Average	84,5			2,9806126	37,681818	2,9090909

5.1 Light strategies

	Respondents	Percent	Value	Average	Median	Modus
To high degree	29	33,72%	4	116		
To some dregree	38	44,19%	3	114	V	V
To lesser dregree	6	6,98%	2	12		
Not at all	5	5,81%	1	5		
Don't know	8	9,30%				
Comment	0	0,00%				
Total	86	100,00%		3,1666667	3	3
			100,00%	78	39	19,5

5.2 Lighting masterplans

	Respondents	Percent	Value	Average	Median	Modus
To high degree	21	24,42%	4	84		
To some dregree	29	33,72%	3	87	V	V
To lesser dregree	17	19,77%	2	34		
Not at all	10	11,63%	1	10		
Don't know	9	10,47%				
Comment	0	0,00%				
Total	86	100,00%		2,7922078	3	3
		0,87012987	100,00%	77	38,5	19,25

5.3 Light planning

	Respondents	Percent	Value	Average	Median	Modus
To high degree	43	50,59%	4	172	V	V
To some dregree	20	23,53%	3	60		
To lesser dregree	11	12,94%	2	22		
Not at all	2	2,35%	1	2		
Don't know	9	10,59%				
Comment	0	0,00%				
Total	85	100,00%		3,3684211	4	4

		0,4557		79	39,5	19,75

5.4 Economy (for light planning / energy consumption / construction costs etc.)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	5	6,0%	4	20		
To some dregree	12	14,5%	3	36		
To lesser dregree	19	22,9%	2	38		
Not at all	43	51,8%	1	43	V	V
Don't know	3	3,6%				
Comment	1	1,2%				
Total	83	100,0%		1,7341772	1	1
		0,5443		79	39,5	19,75

5.5 Lighting legislation

	Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,3%	4	40		
To some dregree	15	18,5%	3	45		
To lesser dregree	21	25,9%	2	42	V	
Not at all	34	42,0%	1	34		V
Don't know	1	1,2%				
Comment	0	0,0%				
Total	81	100,0%		2,0125	2	1
				80	40	20

5.6 Urban design and lighting

	Respondents	Percent	Value	Average	Median	Modus
To high degree	7	8,6%	4	28		
To some dregree	9	11,1%	3	27		
To lesser dregree	14	17,3%	2	28		
Not at all	49	60,5%	1	49	V	V
Don't know	2	2,5%				
Comment	0	0,0%				
Total	81	100,0%		1,6708861	1	1
		0,62025		79	39,5	19,75

5.7 Technical descriptions (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	15	18,3%	4	60		
To some dregree	13	15,9%	3	39		
To lesser dregree	25	30,5%	2	50	V	
Not at all	27	32,9%	1	27		V
Don't know	2	2,4%				
Comment	0	0,0%				
Total	82	100,0%		2,2	2	1
				80	40	20

5.8 Tender specifications (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	8	9,8%	4	32		
To some dregree	19	23,2%	3	57		
To lesser dregree	15	18,3%	2	30	V	
Not at all	36	43,9%	1	36		V
Don't know	3	3,7%				
Comment	1	1,2%				
Total	82	100,0%		1,9871795	2	1
		0,46154		78	39	19,5

5.9 Light signals

	Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,4%	4	8		
To some dregree	4	4,8%	3	12		
To lesser dregree	11	13,3%	2	22		
Not at all	60	72,3%	1	60	V	V
Don't know	6	7,2%				
Comment	0	0,0%				

		0,97368421	100,00%	76	38	19

5.4 Economy (for light planning / energy consumption / construction costs etc.)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	33	38,82%	4	132		
To some dregree	34	40,00%	3	102	V	V
To lesser dregree	9	10,59%	2	18		
Not at all	4	4,71%	1	4		
Don't know	5	5,88%				
Comment	0	0,00%				
Total	85	100,00%		3,2	3	3
		0,95	100,00%	80	40	20

5.5 Lighting legislation

	Respondents	Percent	Value	Average	Median	Modus
To high degree	34	40,00%	4	136		V
To some dregree	26	30,59%	3	78	V	
To lesser dregree	16	18,82%	2	32		
Not at all	2	2,35%	1	2		
Don't know	6	7,06%				
Comment	1	1,18%				
Total	85	100,00%		3,1794872	3	4
			100,00%	78	39	19,5

5.6 Urban design and lighting

	Respondents	Percent	Value	Average	Median	Modus
To high degree	33	38,37%	4	132		V
To some dregree	30	34,88%	3	90	V	
To lesser dregree	10	11,63%	2	20		
Not at all	6	6,98%	1	6		
Don't know	7	8,14%				
Comment	0	0,00%				
Total	86	100,00%		3,1392405	3	3
		0,92405063	100,00%	79	39,5	19,75

5.7 Technical descriptions (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	39	45,88%	4	156	V	V
To some dregree	22	25,88%	3	66		
To lesser dregree	14	16,47%	2	28		
Not at all	3	3,53%	1	3		
Don't know	6	7,06%				
Comment	1	1,18%				
Total	85	100,00%		3,2435897	4	4
			100,00%	78	39	19,5

5.8 Tender specifications (including lighting)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	42	49,41%	4	168	V	V
To some dregree	21	24,71%	3	63		
To lesser dregree	10	11,76%	2	20		
Not at all	4	4,71%	1	4		
Don't know	8	9,41%				
Comment	0	0,00%				
Total	85	100,00%		3,3116883	3	4
		0,94805195	100,00%	77	38,5	19,25

5.9 Light signals

	Respondents	Percent	Value	Average	Median	Modus
To high degree	5	5,95%	4	20		
To some dregree	12	14,29%	3	36		
To lesser dregree	26	30,95%	2	52	V	V
Not at all	22	26,19%	1	22		
Don't know	18	21,43%				
Comment	1	1,19%				

Total	83	100,0%		1,3246753	1	1		Total	84	100,00%		2	2	2
				77	38,5	19,25					100,00%	65	32,5	16,25
5.10 Traffic lighting								5.10 Traffic lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	1	1,2%	4	4				To high degree	14	16,67%	4	56		
To some dregree	0	0,0%	3	0				To some dregree	7	8,33%	3	21		
To lesser dregree	9	11,1%	2	18				To lesser dregree	16	19,05%	2	32	V	
Not at all	69	85,2%	1	69	V	V		Not at all	30	35,71%	1	30		V
Don't know	2	2,5%						Don't know	17	20,24%				
Comment	0	0,0%						Comment	0	0,00%				
Total	81	100,0%		1,1518987	1	1		Total	84	100,00%		2,0746269	2	1
				79	39,5	19,75					100,00%	67	33,5	16,75
5.11 Public lighting								5.11 Public lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,3%	4	40				To high degree	43	51,19%	4	172	V	V
To some dregree	11	13,6%	3	33				To some dregree	17	20,24%	3	51		
To lesser dregree	16	19,8%	2	32				To lesser dregree	8	9,52%	2	16		
Not at all	41	50,6%	1	41	V	V		Not at all	6	7,14%	1	6		
Don't know	2	2,5%						Don't know	10	11,90%				
Comment	1	1,2%						Comment	0	0,00%				
Total	81	100,0%		1,8717949	1	1		Total	84	100,00%		3,3108108	1	1
		0,52564		78	39	19,5				0,91891892	99,99%	74	37	18,5
5.12 Light pollution								5.12 Light pollution						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,2%	4	24				To high degree	18	21,43%	4	72		
To some dregree	11	13,3%	3	33				To some dregree	31	36,90%	3	93	V	V
To lesser dregree	19	22,9%	2	38				To lesser dregree	19	22,62%	2	38		
Not at all	42	50,6%	1	42	V	V		Not at all	9	10,71%	1	9		
Don't know	3	3,6%						Don't know	7	8,33%				
Comment	2	2,4%						Comment	0	0,00%				
Total	83	100,0%		1,7564103	1	1		Total	84	100,00%		2,7532468	3	3
				78	39	19,5					99,99%	77	38,5	19,25
5.13 Safety lighting								5.13 Safety lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	4	4,9%	4	16				To high degree	15	17,44%	4	60		
To some dregree	9	11,0%	3	27				To some dregree	24	27,91%	3	72	V	
To lesser dregree	20	24,4%	2	40				To lesser dregree	27	31,40%	2	54		V
Not at all	47	57,3%	1	47	V	V		Not at all	11	12,79%	1	11		
Don't know	2	2,4%						Don't know	9	10,47%				
Comment	0	0,0%						Comment	0	0,00%				
Total	82	100,0%		1,625	1	1		Total	86	100,00%		2,5584416	3	2
				80	40	20					100,01%	77	38,5	19,25
5.14 Panic lighting / escape lighting / emergency lighting								5.14 Panic lighting / escape lighting / emergency lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	4	4,8%	4	16				To high degree	11	12,94%	4	44		
To some dregree	13	15,7%	3	39				To some dregree	21	24,71%	3	63		
To lesser dregree	15	18,1%	2	30				To lesser dregree	27	31,76%	2	54	V	V
Not at all	48	57,8%	1	48	V	V		Not at all	16	18,82%	1	16		
Don't know	3	3,6%						Don't know	10	11,76%				
Comment	0	0,0%						Comment	0	0,00%				
Total	83	100,0%		1,6625	1	1		Total	85	100,00%		2,36	2	2
				80	40	20					99,99%	75	37,5	18,75
5.15 Working environment and lighting								5.15 Working environment and lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	17	20,7%	4	68				To high degree	35	41,18%	4	140		V
To some dregree	16	19,5%	3	48				To some dregree	27	31,76%	3	81	V	
To lesser dregree	19	23,2%	2	38	V			To lesser dregree	14	16,47%	2	28		
Not at all	27	32,9%	1	27		V		Not at all	3	3,53%	1	3		
Don't know	2	2,4%						Don't know	4	4,71%				

Comment	1	1,2%						Comment	2	2,35%				
Total	82	100,0%		2,2911392	2	1		Total	85	100,00%		3,1898734	3	4
				79	39,5	19,75					100,00%	79	39,5	19,75
5.16 Landscape planning and light								5.16 Landscape planning and light						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,3%	4	24				To high degree	23	27,38%	4	92		
To some dregree	7	8,5%	3	21				To some dregree	30	35,71%	3	90	V	V
To lesser dregree	11	13,4%	2	22				To lesser dregree	17	20,24%	2	34		
Not at all	56	68,3%	1	56	V	V		Not at all	6	7,14%	1	6		
Don't know	2	2,4%						Don't know	7	8,33%				
Comment	0	0,0%						Comment	1	1,19%				
Total	82	100,0%		1,5375	1	1		Total	84	100,00%		2,9210526	3	3
		0,7		80	40	20				0,92105263	99,99%	76	38	19
5.17 Lighting concept development								5.17 Lighting concept development						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,3%	4	44				To high degree	29	35,37%	4	116		V
To some dregree	3	3,6%	3	9				To some dregree	29	35,37%	3	87	V	V
To lesser dregree	14	16,9%	2	28				To lesser dregree	13	15,85%	2	26		
Not at all	50	60,2%	1	50	V	V		Not at all	2	2,44%	1	2		
Don't know	3	3,6%						Don't know	9	10,98%				
Comment	2	2,4%						Comment	0	0,00%				
Total	83	100,0%		1,6794872	1	1		Total	82	100,00%		3,1643836	3	3,5
		0,64103		78	39	19,5				0,97260274	100,01%	73	36,5	18,25
5.18 Luminous signs								5.18 Luminous signs						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	1	1,2%	4	4				To high degree	8	9,41%	4	32		
To some dregree	3	3,6%	3	9				To some dregree	12	14,12%	3	36		
To lesser dregree	17	20,5%	2	34				To lesser dregree	31	36,47%	2	62	V	V
Not at all	60	72,3%	1	60	V	V		Not at all	22	25,88%	1	22		
Don't know	2	2,4%						Don't know	12	14,12%				
Comment	0	0,0%						Comment	0	0,00%				
Total	83	100,0%		1,3209877	1	1		Total	85	100,00%		2,0821918	3	3
				81	40,5	20,25					100,00%	73	36,5	18,25
5.19 Communication using lighting								5.19 Communication using lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,8%	4	44				To high degree	17	20,24%	4	68		
To some dregree	13	16,3%	3	39				To some dregree	21	25,00%	3	63	V	
To lesser dregree	15	18,8%	2	30	V			To lesser dregree	26	30,95%	2	52		V
Not at all	37	46,3%	1	37		V		Not at all	8	9,52%	1	8		
Don't know	3	3,8%						Don't know	12	14,29%				
Comment	1	1,3%						Comment	0	0,00%				
Total	80	100,0%		1,9736842	2	1		Total	84	100,00%		2,6527778	3	2
				76	38	19					100,00%	72	36	18
5.20 Project planning (including lighting)								5.20 Project planning (including lighting)						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	9	11,1%	4	36				To high degree	26	30,59%	4	104		
To some dregree	13	16,0%	3	39				To some dregree	31	36,47%	3	93	V	V
To lesser dregree	14	17,3%	2	28				To lesser dregree	14	16,47%	2	28		
Not at all	40	49,4%	1	40	V	V		Not at all	5	5,88%	1	5		
Don't know	2	2,5%						Don't know	9	10,59%				
Comment	3	3,7%						Comment	0	0,00%				
Total	81	100,0%		1,8815789	1	1		Total	85	100,00%		3,0263158	3	3
		0,52632		76	38	19				0,93421053	100,00%	76	38	19
5.21 Lighting standards								5.21 Lighting standards						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,3%	4	44				To high degree	31	36,90%	4	124		V
To some dregree	15	18,1%	3	45				To some dregree	23	27,38%	3	69	V	
To lesser dregree	17	20,5%	2	34	V			To lesser dregree	15	17,86%	2	30		
Not at all	38	45,8%	1	38		V		Not at all	5	5,95%	1	5		

Don't know	2	2,4%						Don't know	10	11,90%				
Comment	0	0,0%						Comment	0	0,00%				
Total	83	100,0%		1,9876543	2	1		Total	84	100,00%		3,0810811	3	4
				81	40,5	20,25					99,99%	74	37	18,5
5.22 Building Act - in relation to indoor electric lighting								5.22 Building Act - in relation to indoor electric lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	9	11,0%	4	36				To high degree	15	18,52%	4	60		
To some dregree	10	12,2%	3	30				To some dregree	21	25,93%	3	63	V	
To lesser dregree	12	14,6%	2	24				To lesser dregree	22	27,16%	2	44		V
Not at all	49	59,8%	1	49	V	V		Not at all	10	12,35%	1	10		
Don't know	2	2,4%						Don't know	12	14,81%				
Comment	0	0,0%						Comment	1	1,23%				
Total	82	100,0%		1,7375	1	1		Total	81	100,00%		2,6029412	3	2
				80	40	20					100,00%	68	34	17
5.23 Building Act - in relation to outdoor electric lighting								5.23 Building Act - in relation to outdoor electric lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,5%	4	8				To high degree	17	20,00%	4	68		
To some dregree	8	9,9%	3	24				To some dregree	20	23,53%	3	60	V	
To lesser dregree	13	16,0%	2	26				To lesser dregree	23	27,06%	2	46		V
Not at all	55	67,9%	1	55	V	V		Not at all	10	11,76%	1	10		
Don't know	3	3,7%						Don't know	15	17,65%				
Comment	0	0,0%						Comment	0	0,00%				
Total	81	100,0%		1,4487179	1	1		Total	85	100,00%		2,6285714	3	2
				78	39	19,5					100,00%	70	35	17,5
5.24 Road lighting								5.24 Road lighting						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	1	1,3%	4	4				To high degree	30	36,14%	4	120		V
To some dregree	7	8,9%	3	21				To some dregree	12	14,46%	3	36	V	
To lesser dregree	11	13,9%	2	22				To lesser dregree	17	20,48%	2	34		
Not at all	59	74,7%	1	59	V	V		Not at all	15	18,07%	1	15		
Don't know	1	1,3%						Don't know	9	10,84%				
Comment	0	0,0%						Comment	0	0,00%				
Total	79	100,0%		1,3589744	1	1		Total	83	100,00%		2,7702703	3	4
		0,75641		78	39	19,5				0,7972973	99,99%	74	37	18,5
5.25 Commissioning and maintenance (of lighting)								5.25 Commissioning and maintenance (of lighting)						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,4%	4	24				To high degree	28	32,94%	4	112		V
To some dregree	9	11,1%	3	27				To some dregree	28	32,94%	3	84	V	V
To lesser dregree	15	18,5%	2	30				To lesser dregree	13	15,29%	2	26		
Not at all	48	59,3%	1	48	V	V		Not at all	11	12,94%	1	11		
Don't know	2	2,5%						Don't know	4	4,71%				
Comment	1	1,2%						Comment	1	1,18%				
Total	81	100,0%		1,6538462	1	1		Total	85	100,00%		2,9125	3	3,5
		0,61538		78	39	19,5				0,8625	100,00%	80	40	20
5.26 Commissioning and maintenance (of computerised systems)								5.26 Commissioning and maintenance (of computerised systems)						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,4%	4	8				To high degree	13	15,48%	4	52		
To some dregree	2	2,4%	3	6				To some dregree	19	22,62%	3	57		
To lesser dregree	14	16,9%	2	28				To lesser dregree	24	28,57%	2	48	V	V
Not at all	58	69,9%	1	58	V	V		Not at all	18	21,43%	1	18		
Don't know	6	7,2%						Don't know	9	10,71%				
Comment	1	1,2%						Comment	1	1,19%				
Total	83	100,0%		1,3157895	1	1		Total	84	100,00%		2,3648649	2	2
				76	38	19					100,00%	74	37	18,5
6. Daylight	Respondents	Percent	Value	Average	Median	Modus		**6. Daylight**	Respondents	Percent	Value	Average	Median	Modus
	Average 81,9375			1,9070423	1	1			Average 80,375			2,52763	2,3636364	2,4545455
6.1 Daylight openings								6.1 Daylight openings						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus

To high degree	18	21,7%	4	72				To high degree	20	24,69%	4	80		
To some dregree	10	12,0%	3	30				To some dregree	21	25,93%	3	63	V	V
To lesser dregree	10	12,0%	2	20				To lesser dregree	17	20,99%	2	34		
Not at all	42	50,6%	1	42	V	V		Not at all	17	20,99%	1	17		
Don't know	3	3,6%						Don't know	6	7,41%				
Comment	0	0,0%						Comment	0	0,00%				
Total	83	100,0%		2,05	1	1		Total	81	100,00%		2,5866667	3	3
				80	40	20					100,01%	75	37,5	18,75
6.2 Building construction								6.2 Building construction						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	16	20,0%	4	64				To high degree	18	22,22%	4	72		
To some dregree	3	3,8%	3	9				To some dregree	23	28,40%	3	69	V	V
To lesser dregree	16	20,0%	2	32				To lesser dregree	13	16,05%	2	26		
Not at all	42	52,5%	1	42	V	V		Not at all	20	24,69%	1	20		
Don't know	3	3,8%						Don't know	7	8,64%				
Comment	0	0,0%						Comment	0	0,00%				
Total	80	100,0%		1,9090909	1	1		Total	81	100,00%		2,527027	3	3
				77	38,5	19,25					100,00%	74	37	18,5
6.3 Daylight and spatial design								6.3 Daylight and spatial design						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	18	22,0%	4	72				To high degree	25	31,25%	4	100		V
To some dregree	9	11,0%	3	27				To some dregree	23	28,75%	3	69	V	
To lesser dregree	18	22,0%	2	36				To lesser dregree	14	17,50%	2	28		
Not at all	35	42,7%	1	35	V	V		Not at all	11	13,75%	1	11		
Don't know	2	2,4%						Don't know	7	8,75%				
Comment	0	0,0%						Comment	0	0,00%				
Total	82	100,0%		2,125	1	1		Total	80	100,00%		2,8493151	3	4
				80	40	20					100,00%	73	36,5	18,25
6.4 Facades								6.4 Facades						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,1%	4	56				To high degree	19	24,05%	4	76		
To some dregree	7	8,5%	3	21				To some dregree	23	29,11%	3	69	V	V
To lesser dregree	11	13,4%	2	22				To lesser dregree	18	22,78%	2	36		
Not at all	47	57,3%	1	47	V	V		Not at all	11	13,92%	1	11		
Don't know	2	2,4%						Don't know	8	10,13%				
Comment	1	1,2%						Comment	0	0,00%				
Total	82	100,0%		1,8481013	1	1		Total	79	100,00%		2,7042254	3	3
				79	39,5	19,75					99,99%	71	35,5	17,75
6.5 Glass, glass coatings etc.								6.5 Glass, glass coatings etc.						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	16	19,5%	4	64				To high degree	16	20,00%	4	64		
To some dregree	7	8,5%	3	21				To some dregree	15	18,75%	3	45		
To lesser dregree	11	13,4%	2	22				To lesser dregree	23	28,75%	2	46	V	V
Not at all	44	53,7%	1	44	V	V		Not at all	16	20,00%	1	16		
Don't know	3	3,7%						Don't know	10	12,50%				
Comment	1	1,2%						Comment	0	0,00%				
Total	82	100,0%		1,9358974	1	1		Total	80	100,00%		2,4428571	2	2
				78	39	19,5					100,00%	70	35	17,5
6.6 Daylight and thermal comfort								6.6 Daylight and thermal comfort						
	Respondents	Percent	Value	Average	Median	Modus			Respondents	Percent	Value	Average	Median	Modus
To high degree	12	14,5%	4	48				To high degree	20	24,69%	4	80		
To some dregree	11	13,3%	3	33				To some dregree	11	13,58%	3	33		
To lesser dregree	13	15,7%	2	26				To lesser dregree	19	23,46%	2	38	V	
Not at all	42	50,6%	1	42	V	V		Not at all	22	27,16%	1	22		V
Don't know	4	4,8%						Don't know	9	11,11%				
Comment	1	1,2%						Comment	0	0,00%				
Total	83	100,0%		1,9102564	1	1		Total	81	100,00%		2,4027778	2	1
				78	39	19,5					100,00%	72	36	18
6.7 Daylight autonomy								6.7 Daylight autonomy						

	Respondents	Percent	Value	Average	Median	Modus
To high degree	9	11,0%	4	36		
To some dregree	5	6,1%	3	15		
To lesser dregree	7	8,5%	2	14		
Not at all	48	58,5%	1	48	V	V
Don't know	12	14,6%				
Comment	1	1,2%				
Total	82	100,0%		1,6376812	1	1
				69	34,5	17,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	15	18,52%	4	60		
To some dregree	17	20,99%	3	51		
To lesser dregree	24	29,63%	2	48	V	V
Not at all	15	18,52%	1	15		
Don't know	10	12,35%				
Comment	0	0,00%				
Total	81	100,00%		2,4507042	2	2
			100,01%	71	35,5	17,75

6.8 Shading systems

	Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,6%	4	44		
To some dregree	8	9,9%	3	24		
To lesser dregree	12	14,8%	2	24		
Not at all	46	56,8%	1	46	V	V
Don't know	3	3,7%				
Comment	1	1,2%				
Total	81	100,0%		1,7922078	1	1
				77	38,5	19,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	20	25,32%	4	80		V
To some dregree	11	13,92%	3	33		
To lesser dregree	19	24,05%	2	38	V	
Not at all	19	24,05%	1	19		
Don't know	10	12,66%				
Comment	0	0,00%				
Total	79	100,00%		2,4637681	2	4
			100,00%	69	34,5	17,25

6.9 Building components of glass (or other translucent materials)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,2%	4	40		
To some dregree	9	11,0%	3	27		
To lesser dregree	12	14,6%	2	24		
Not at all	47	57,3%	1	47	V	V
Don't know	3	3,7%				
Comment	1	1,2%				
Total	82	100,0%		1,7692308	1	1
				78	39	19,5

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,46%	4	76		
To some dregree	10	12,35%	3	30		
To lesser dregree	21	25,93%	2	42	V	V
Not at all	18	22,22%	1	18		
Don't know	13	16,05%				
Comment	0	0,00%				
Total	81	100,00%		2,4411765	2	2
			100,01%	68	34	17

6.10 Surrounding environments influence on daylighting

	Respondents	Percent	Value	Average	Median	Modus
To high degree	15	18,1%	4	60		
To some dregree	10	12,0%	3	30		
To lesser dregree	13	15,7%	2	26		
Not at all	41	49,4%	1	41	V	V
Don't know	3	3,6%				
Comment	1	1,2%				
Total	83	100,0%		1,9873418	1	1
				79	39,5	19,75

	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	20,00%	4	64		
To some dregree	19	23,75%	3	57		
To lesser dregree	22	27,50%	2	44	V	V
Not at all	14	17,50%	1	14		
Don't know	9	11,25%				
Comment	0	0,00%				
Total	80	100,00%		2,5211268	2	2
			100,00%	71	35,5	17,75

6.11 Windows and rooflight

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,5%	4	76		
To some dregree	6	7,4%	3	18		
To lesser dregree	11	13,6%	2	22		
Not at all	43	53,1%	1	43	V	V
Don't know	2	2,5%				
Comment	0	0,0%				
Total	81	100,0%		2,0126582	1	1
				79	39,5	19,75

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,46%	4	76		
To some dregree	13	16,05%	3	39		
To lesser dregree	16	19,75%	2	32	V	
Not at all	22	27,16%	1	22		V
Don't know	11	13,58%				
Comment	0	0,00%				
Total	81	100,00%		2,4142857	2	1
			100,00%	70	35	17,5

6.12 Daylight sensors

	Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,2%	4	40		
To some dregree	10	12,2%	3	30		
To lesser dregree	9	11,0%	2	18		
Not at all	50	61,0%	1	50	V	V
Don't know	3	3,7%				
Comment	0	0,0%				
Total	82	100,0%		1,7468354	1	1
				79	39,5	19,75

	Respondents	Percent	Value	Average	Median	Modus
To high degree	21	25,93%	4	84		
To some dregree	27	33,33%	3	81	V	V
To lesser dregree	14	17,28%	2	28		
Not at all	11	13,58%	1	11		
Don't know	8	9,88%				
Comment	0	0,00%				
Total	81	100,00%		2,7945205	3	3
			100,00%	73	36,5	18,25

6.13 Daylight factor

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,8%	4	76		
To some dregree	7	8,8%	3	21		
To lesser dregree	7	8,8%	2	14		
Not at all	43	53,8%	1	43	V	V
Don't know	4	5,0%				
Comment	0	0,0%				
Total	80	100,0%		2,0263158	1	1
				76	38	19

	Respondents	Percent	Value	Average	Median	Modus
To high degree	25	31,25%	4	100		V
To some dregree	13	16,25%	3	39	V	
To lesser dregree	19	23,75%	2	38		
Not at all	13	16,25%	1	13		
Don't know	10	12,50%				
Comment	0	0,00%				
Total	80	100,00%		2,7142857	3	4
			100,00%	70	35	17,5

6.14 Daylight calculation

	Respondents	Percent	Value	Average	Median	Modus
To high degree	13	15,7%	4	52		
To some dregree	6	7,2%	3	18		
To lesser dregree	12	14,5%	2	24		
Not at all	49	59,0%	1	49	V	V
Don't know	3	3,6%				
Comment	0	0,0%				
Total	83	100,0%		1,7875	1	1
				80	40	20

	Respondents	Percent	Value	Average	Median	Modus
To high degree	25	30,86%	4	100		V
To some dregree	14	17,28%	3	42	V	
To lesser dregree	17	20,99%	2	34		
Not at all	15	18,52%	1	15		
Don't know	10	12,35%				
Comment	0	0,00%				
Total	81	100,00%		2,6901408	3	4
			100,00%	71	35,5	17,75

6.15 Useful Daylight Illuminance (UDI)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,4%	4	8		
To some dregree	8	9,8%	3	24		
To lesser dregree	11	13,4%	2	22		
Not at all	48	58,5%	1	48	V	V
Don't know	12	14,6%				
Comment	1	1,2%				
Total	82	100,0%		1,4782609	1	1
				69	34,5	17,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,28%	4	56		
To some dregree	17	20,99%	3	51		V
To lesser dregree	17	20,99%	2	34	V	V
Not at all	15	18,52%	1	15		
Don't know	18	22,22%				
Comment	0	0,00%				
Total	81	100,00%		2,4761905	2	2,5
			100,00%	63	31,5	15,75

6.16 Surface design (surface, reflectance, texture etc.)

	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	19,3%	4	64		
To some dregree	12	14,5%	3	36		
To lesser dregree	18	21,7%	2	36	V	
Not at all	35	42,2%	1	35		V
Don't know	2	2,4%				
Comment	0	0,0%				
Total	83	100,0%		2,1111111	2	1
				81	40,5	20,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	17	21,52%	4	68		
To some dregree	23	29,11%	3	69	V	V
To lesser dregree	17	21,52%	2	34		
Not at all	10	12,66%	1	10		
Don't know	12	15,19%				
Comment	0	0,00%				
Total	79	100,00%		2,7014925	3	3
			100,00%	67	33,5	16,75

7. Digitalised light

	Respondents	Percent	Value	Average	Median	Modus
Average	81,1818182			1,809488	1,1818182	1

	Respondents	Percent	Value	Average	Median	Modus
Average	79,9090909			2,6395915	2,7272727	2,8636364

7.1 Light simulation

	Respondents	Percent	Value	Average	Median	Modus
To high degree	18	21,7%	4	72		
To some dregree	11	13,3%	3	33		
To lesser dregree	9	10,8%	2	18		
Not at all	39	47,0%	1	39	V	V
Don't know	5	6,0%				
Comment	1	1,2%				
Total	83	100,0%		2,1038961	1	1
				77	38,5	19,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	31	38,75%	4	124		V
To some dregree	23	28,75%	3	69	V	
To lesser dregree	14	17,50%	2	28		
Not at all	8	10,00%	1	8		
Don't know	4	5,00%				
Comment	0	0,00%				
Total	80	100,00%		3,0131579	3	4
			100,00%	76	38	19

7.2 Intelligent lighting

	Respondents	Percent	Value	Average	Median	Modus
To high degree	12	14,5%	4	48		
To some dregree	11	13,3%	3	33		
To lesser dregree	14	16,9%	2	28		
Not at all	40	48,2%	1	40	V	V

	Respondents	Percent	Value	Average	Median	Modus
To high degree	30	37,04%	4	120		
To some dregree	31	38,27%	3	93	V	V
To lesser dregree	10	12,35%	2	20		
Not at all	5	6,17%	1	5		

Don't know	6	7,2%							Don't know	4	4,94%				
Comment	0	0,0%							Comment	1	1,23%				
Total	83	100,0%		1,9350649	1	1			Total	81	100,00%		3,1315789	3	3
				77	38,5	19,25						100,00%	76	38	19
7.3 Interactive lighting									7.3 Interactive lighting						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	8	10,0%	4	32					To high degree	16	20,25%	4	64		
To some dregree	10	12,5%	3	30					To some dregree	34	43,04%	3	102	V	V
To lesser dregree	12	15,0%	2	24					To lesser dregree	13	16,46%	2	26		
Not at all	44	55,0%	1	44	V	V			Not at all	8	10,13%	1	8		
Don't know	6	7,5%							Don't know	8	10,13%				
Comment	0	0,0%							Comment	0	0,00%				
Total	80	100,0%		1,7567568	1	1			Total	79	100,00%		2,8169014	3	3
				74	37	18,5						100,01%	71	35,5	17,75
7.4 Computer rendering									7.4 Computer rendering						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,8%	4	76					To high degree	22	27,50%	4	88		V
To some dregree	10	12,5%	3	30					To some dregree	22	27,50%	3	66	V	V
To lesser dregree	11	13,8%	2	22	V				To lesser dregree	17	21,25%	2	34		
Not at all	33	41,3%	1	33		V			Not at all	6	7,50%	1	6		
Don't know	7	8,8%							Don't know	13	16,25%				
Comment	0	0,0%							Comment	0	0,00%				
Total	80	100,0%		2,2054795	2	1			Total	80	100,00%		2,8955224	3	3,5
				73	36,5	18,25						100,00%	67	33,5	16,75
7.5 Virtual reality									7.5 Virtual reality						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	3	3,8%	4	12					To high degree	8	10,13%	4	32		
To some dregree	13	16,3%	3	39					To some dregree	22	27,85%	3	66		
To lesser dregree	19	23,8%	2	38					To lesser dregree	23	29,11%	2	46	V	V
Not at all	41	51,3%	1	41	V	V			Not at all	17	21,52%	1	17		
Don't know	4	5,0%							Don't know	9	11,39%				
Comment	0	0,0%							Comment	0	0,00%				
Total	80	100,0%		1,7105263	1	1			Total	79	100,00%		2,3	2	2
				76	38	19						100,00%	70	35	17,5
7.6 Programming (for lighting control / rendering / light calculation etc.)									7.6 Programming (for lighting control / rendering / light calculation etc.)						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,3%	4	56					To high degree	26	32,50%	4	104		V
To some dregree	8	9,9%	3	24					To some dregree	20	25,00%	3	60	V	
To lesser dregree	16	19,8%	2	32					To lesser dregree	19	23,75%	2	38		
Not at all	38	46,9%	1	38	V	V			Not at all	10	12,50%	1	10		
Don't know	4	4,9%							Don't know	5	6,25%				
Comment	1	1,2%							Comment	0	0,00%				
Total	81	100,0%		1,9736842	1	1			Total	80	100,00%		2,8266667	3	4
				76	38	19						100,00%	75	37,5	18,75
7.7 Virtual models									7.7 Virtual models						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	16	19,8%	4	64					To high degree	12	14,81%	4	48		
To some dregree	14	17,3%	3	42					To some dregree	25	30,86%	3	75	V	V
To lesser dregree	12	14,8%	2	24	V				To lesser dregree	20	24,69%	2	40		
Not at all	37	45,7%	1	37		V			Not at all	13	16,05%	1	13		
Don't know	2	2,5%							Don't know	10	12,35%				
Comment	0	0,0%							Comment	1	1,23%				
Total	81	100,0%		2,1139241	2	1			Total	81	100,00%		2,5142857	3	3
				79	39,5	19,75						99,99%	70	35	17,5
7.8 Software development (for lighting control / rendering / light calculation etc.)									7.8 Software development (for lighting control / rendering / light calculation etc.)						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	3	3,7%	4	12					To high degree	14	17,50%	4	56		
To some dregree	5	6,2%	3	15					To some dregree	13	16,25%	3	39		
To lesser dregree	12	14,8%	2	24					To lesser dregree	20	25,00%	2	40	V	

Not at all	54	66,7%	1	54	V	V			Not at all	24	30,00%	1	24		V
Don't know	5	6,2%							Don't know	9	11,25%				
Comment	2	2,5%							Comment	0	0,00%				
Total	81	100,0%		1,4189189	1	1			Total	80	100,00%		2,2394366	2	1
				74	37	18,5						100,00%	71	35,5	17,75
7.9 Applications (for lighting control / rendering / light calculation etc.)									7.9 Applications (for lighting control / rendering / light calculation etc.)						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,3%	4	40					To high degree	14	17,50%	4	56		
To some dregree	8	9,9%	3	24					To some dregree	24	30,00%	3	72	V	V
To lesser dregree	14	17,3%	2	28					To lesser dregree	20	25,00%	2	40		
Not at all	44	54,3%	1	44	V	V			Not at all	13	16,25%	1	13		
Don't know	5	6,2%							Don't know	9	11,25%				
Comment	0	0,0%							Comment	0	0,00%				
Total	81	100,0%		1,7894737	1	1			Total	80	100,00%		2,5492958	3	3
				76	38	19						100,00%	71	35,5	17,75
7.10 Smart City									7.10 Smart City						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,4%	4	8					To high degree	15	18,99%	4	60		
To some dregree	6	7,3%	3	18					To some dregree	21	26,58%	3	63	V	V
To lesser dregree	16	19,5%	2	32					To lesser dregree	19	24,05%	2	38		
Not at all	52	63,4%	1	52	V	V			Not at all	15	18,99%	1	15		
Don't know	5	6,1%							Don't know	9	11,39%				
Comment	1	1,2%							Comment	0	0,00%				
Total	82	100,0%		1,4473684	1	1			Total	79	100,00%		2,5142857	3	3
		0,68421		76	38	19					0,78571429	100,00%	70	35	17,5
7.11 Big Data									7.11 Big Data						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	3	3,7%	4	12					To high degree	8	10,00%	4	32		
To some dregree	5	6,2%	3	15					To some dregree	16	20,00%	3	48		
To lesser dregree	12	14,8%	2	24					To lesser dregree	23	28,75%	2	46	V	V
Not at all	49	60,5%	1	49	V	V			Not at all	17	21,25%	1	17		
Don't know	10	12,3%							Don't know	16	20,00%				
Comment	2	2,5%							Comment	0	0,00%				
Total	81	100,0%		1,4492754	1	1			Total	80	100,00%		2,234375	2	2
				69	34,5	17,25						100,00%	64	32	16
8. Light characteristics & me	Respondents	Percent	Value	Average	Median	Modus			**8. Light characteristics & m**	Respondents	Percent	Value	Average	Median	Modus
Average	81,6363636			2,0890439	2	1,2727273			Average	80,0909091			2,8157943	3	3,1818182
8.1 Radiation									8.1 Radiation						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,1%	4	56					To high degree	8	10,00%	4	32		
To some dregree	16	19,5%	3	48					To some dregree	15	18,75%	3	45		
To lesser dregree	16	19,5%	2	32	V				To lesser dregree	20	25,00%	2	40	V	V
Not at all	34	41,5%	1	34		V			Not at all	19	23,75%	1	19		
Don't know	1	1,2%							Don't know	16	20,00%				
Comment	1	1,2%							Comment	2	2,50%				
Total	82	100,0%		2,125	2	1			Total	80	100,00%		2,1935484	2	2
				80	40	20						100,00%	62	31	15,5
8.2 Glare									8.2 Glare						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	21	26,3%	4	84					To high degree	40	49,38%	4	160	V	V
To some dregree	16	20,0%	3	48					To some dregree	18	22,22%	3	54		
To lesser dregree	9	11,3%	2	18	V				To lesser dregree	13	16,05%	2	26		
Not at all	32	40,0%	1	32		V			Not at all	5	6,17%	1	5		
Don't know	2	2,5%							Don't know	4	4,94%				
Comment	0	0,0%							Comment	1	1,23%				
Total	80	100,0%		2,3333333	2	1			Total	81	100,00%		3,2236842	4	4
				78	39	19,5						99,99%	76	38	19
8.3 Colour rendering									8.3 Colour rendering						

	Respondents	Percent	Value	Average	Median	Modus
To high degree	28	34,1%	4	112		V
To some dregree	17	20,7%	3	51	V	
To lesser dregree	12	14,6%	2	24		
Not at all	23	28,0%	1	23		
Don't know	2	2,4%				
Comment	0	0,0%				
Total	82	100,0%		2,625	3	4
				80	40	20

	Respondents	Percent	Value	Average	Median	Modus
To high degree	44	54,32%	4	176	V	V
To some dregree	19	23,46%	3	57		
To lesser dregree	9	11,11%	2	18		
Not at all	6	7,41%	1	6		
Don't know	2	2,47%				
Comment	1	1,23%				
Total	81	100,00%		3,2948718	4	4
			100,00%	78	39	19,5

8.4 Colour temperature

	Respondents	Percent	Value	Average	Median	Modus
To high degree	24	29,3%	4	96		
To some dregree	20	24,4%	3	60	V	
To lesser dregree	8	9,8%	2	16		
Not at all	28	34,1%	1	28		V
Don't know	1	1,2%				
Comment	1	1,2%				
Total	82	100,0%		2,5	3	1
				80	40	20

	Respondents	Percent	Value	Average	Median	Modus
To high degree	41	52,56%	4	164	V	V
To some dregree	17	21,79%	3	51		
To lesser dregree	8	10,26%	2	16		
Not at all	6	7,69%	1	6		
Don't know	4	5,13%				
Comment	2	2,56%				
Total	78	100,00%		3,2916667	4	4
			99,99%	72	36	18

8.5 Flicker

	Respondents	Percent	Value	Average	Median	Modus
To high degree	13	15,9%	4	52		
To some dregree	12	14,6%	3	36		
To lesser dregree	18	22,0%	2	36	V	
Not at all	36	43,9%	1	36		V
Don't know	3	3,7%				
Comment	0	0,0%				
Total	82	100,0%		2,0253165	2	1
				79	39,5	19,75

	Respondents	Percent	Value	Average	Median	Modus
To high degree	31	38,75%	4	124		V
To some dregree	19	23,75%	3	57	V	
To lesser dregree	14	17,50%	2	28		
Not at all	6	7,50%	1	6		
Don't know	9	11,25%				
Comment	1	1,25%				
Total	80	100,00%		3,0714286	3	4
			100,00%	70	35	17,5

8.6 Evaluation of light sources

	Respondents	Percent	Value	Average	Median	Modus
To high degree	11	13,4%	4	44		
To some dregree	24	29,3%	3	72		
To lesser dregree	14	17,1%	2	28	V	
Not at all	32	39,0%	1	32		V
Don't know	1	1,2%				
Comment	0	0,0%				
Total	82	100,0%		2,1728395	2	1
				81	40,5	20,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	35	43,75%	4	140		V
To some dregree	20	25,00%	3	60	V	
To lesser dregree	11	13,75%	2	22		
Not at all	6	7,50%	1	6		
Don't know	7	8,75%				
Comment	1	1,25%				
Total	80	100,00%		3,1666667	3	4
			100,00%	72	36	18

8.7 Calibration of measuring equipment

	Respondents	Percent	Value	Average	Median	Modus
To high degree	7	8,5%	4	28		
To some dregree	8	9,8%	3	24		
To lesser dregree	27	32,9%	2	54	V	
Not at all	39	47,6%	1	39		V
Don't know	1	1,2%				
Comment	0	0,0%				
Total	82	100,0%		1,7901235	2	1
				81	40,5	20,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,50%	4	24		
To some dregree	19	23,75%	3	57		
To lesser dregree	26	32,50%	2	52	V	V
Not at all	18	22,50%	1	18		
Don't know	11	13,75%				
Comment	0	0,00%				
Total	80	100,00%		2,1884058	2	2
			100,00%	69	34,5	17,25

8.8 The use of light measuring instruments

	Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,1%	4	56		
To some dregree	14	17,1%	3	42		
To lesser dregree	23	28,0%	2	46	V	
Not at all	30	36,6%	1	30		V
Don't know	0	0,0%				
Comment	1	1,2%				
Total	82	100,0%		2,1481481	2	1
				81	40,5	20,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	20,00%	4	64		
To some dregree	21	26,25%	3	63	V	V
To lesser dregree	20	25,00%	2	40		
Not at all	13	16,25%	1	13		
Don't know	10	12,50%				
Comment	0	0,00%				
Total	80	100,00%		2,5714286	3	3
			100,00%	70	35	17,5

8.9 Light measuring methods

	Respondents	Percent	Value	Average	Median	Modus
To high degree	12	14,8%	4	48		
To some dregree	18	22,2%	3	54		
To lesser dregree	21	25,9%	2	42	V	
Not at all	29	35,8%	1	29		V
Don't know	0	0,0%				
Comment	1	1,2%				
Total	81	100,0%		2,1625	2	1
				80	40	20

	Respondents	Percent	Value	Average	Median	Modus
To high degree	19	23,46%	4	76		
To some dregree	25	30,86%	3	75	V	V
To lesser dregree	19	23,46%	2	38		
Not at all	10	12,35%	1	10		
Don't know	8	9,88%				
Comment	0	0,00%				
Total	81	100,00%		2,7260274	3	3
			100,01%	73	36,5	18,25

8.10 Biometric data collection

	Respondents	Percent	Value	Average	Median	Modus
To high degree	2	2,5%	4	8		
To some dregree	8	9,9%	3	24		
To lesser dregree	12	14,8%	2	24		
Not at all	50	61,7%	1	50	V	V
Don't know	9	11,1%				
Comment	0	0,0%				
Total	81	100,0%		1,4722222	1	1
				72	36	18

	Respondents	Percent	Value	Average	Median	Modus
To high degree	10	12,50%	4	40		
To some dregree	13	16,25%	3	39		
To lesser dregree	12	15,00%	2	24	V	
Not at all	25	31,25%	1	25		V
Don't know	20	25,00%				
Comment	0	0,00%				
Total	80	100,00%		2,1333333	2	1
			100,00%	60	30	15

8.11 Evaluation of luminaires

	Respondents	Percent	Value	Average	Median	Modus
To high degree	5	6,1%	4	20		
To some dregree	9	11,0%	3	27		
To lesser dregree	17	20,7%	2	34		
Not at all	49	59,8%	1	49	V	V
Don't know	1	1,2%				
Comment	1	1,2%				
Total	82	100,0%		1,625	1	1
		0,6125		80	40	20

	Respondents	Percent	Value	Average	Median	Modus
To high degree	32	40,00%	4	128		V
To some dregree	24	30,00%	3	72	V	
To lesser dregree	6	7,50%	2	12		
Not at all	9	11,25%	1	9		
Don't know	9	11,25%				
Comment	0	0,00%				
Total	80	100,00%		3,1126761	3	4
		0,87323944	100,00%	71	35,5	17,75

8.12 Spectral distribution

	Respondents	Percent	Value	Average	Median	Modus
To high degree	21	26,3%	4	84		
To some dregree	10	12,5%	3	30		
To lesser dregree	14	17,5%	2	28	V	
Not at all	32	40,0%	1	32		V
Don't know	2	2,5%				
Comment	1	1,3%				
Total	80	100,0%		2,2597403	2	1
				77	38,5	19,25

	Respondents	Percent	Value	Average	Median	Modus
To high degree	25	31,25%	4	100		V
To some dregree	24	30,00%	3	72	V	
To lesser dregree	14	17,50%	2	28		
Not at all	8	10,00%	1	8		
Don't know	8	10,00%				
Comment	1	1,25%				
Total	80	100,00%		2,9295775	3	4
			100,00%	71	35,5	17,75

8.13 Diffusion of light

	Respondents	Percent	Value	Average	Median	Modus
To high degree	15	19,0%	4	60		
To some dregree	19	24,1%	3	57		
To lesser dregree	13	16,5%	2	26	V	
Not at all	29	36,7%	1	29		V
Don't know	3	3,8%				
Comment	0	0,0%				
Total	79	100,0%		2,2631579	2	1
				76	38	19

	Respondents	Percent	Value	Average	Median	Modus
To high degree	21	26,58%	4	84		V
To some dregree	21	26,58%	3	63	V	V
To lesser dregree	19	24,05%	2	38		
Not at all	7	8,86%	1	7		
Don't know	9	11,39%				
Comment	2	2,53%				
Total	79	100,00%		2,8235294	3	3,5
			99,99%	68	34	17

8.14 Transmission of light

	Respondents	Percent	Value	Average	Median	Modus
To high degree	16	20,3%	4	64		
To some dregree	15	19,0%	3	45		
To lesser dregree	13	16,5%	2	26	V	
Not at all	31	39,2%	1	31		V
Don't know	4	5,1%				
Comment	0	0,0%				
Total	79	100,0%		2,2133333	2	1

	Respondents	Percent	Value	Average	Median	Modus
To high degree	20	25,32%	4	80		V
To some dregree	20	25,32%	3	60	V	V
To lesser dregree	17	21,52%	2	34		
Not at all	10	12,66%	1	10		
Don't know	10	12,66%				
Comment	2	2,53%				
Total	79	100,00%		2,7462687	3	3,5

				75	37,5	18,75					100,01%	67	33,5	16,75
8.15 Reflection of light									8.15 Reflection of light					
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	24	30,0%	4	96		V			To high degree	27	33,75%	4	108		V
To some dregree	20	25,0%	3	60	V				To some dregree	23	28,75%	3	69	V	
To lesser dregree	16	20,0%	2	32					To lesser dregree	13	16,25%	2	26		
Not at all	19	23,8%	1	19					Not at all	8	10,00%	1	8		
Don't know	1	1,3%							Don't know	7	8,75%				
Comment	0	0,0%							Comment	2	2,50%				
Total	80	100,0%		2,6202532	3	4			Total	80	100,00%		2,971831	3	4
				79	39,5	19,75						100,00%	71	35,5	17,75
8.16 Refraction of light									8.16 Refraction of light						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	17	21,0%	4	68					To high degree	15	18,52%	4	60		
To some dregree	13	16,0%	3	39					To some dregree	26	32,10%	3	78	V	V
To lesser dregree	20	24,7%	2	40	V				To lesser dregree	18	22,22%	2	36		
Not at all	25	30,9%	1	25		V			Not at all	9	11,11%	1	9		
Don't know	6	7,4%							Don't know	12	14,81%				
Comment	0	0,0%							Comment	1	1,23%				
Total	81	100,0%		2,2933333	2	1			Total	81	100,00%		2,6911765	3	3
				75	37,5	18,75						99,99%	68	34	17
8.17 Photonics									8.17 Photonics						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	6	7,3%	4	24					To high degree	8	10,00%	4	32		
To some dregree	6	7,3%	3	18					To some dregree	18	22,50%	3	54		
To lesser dregree	15	18,3%	2	30					To lesser dregree	19	23,75%	2	38	V	V
Not at all	44	53,7%	1	44	V	V			Not at all	16	20,00%	1	16		
Don't know	11	13,4%							Don't know	19	23,75%				
Comment	0	0,0%							Comment	0	0,00%				
Total	82	100,0%		1,6338028	1	1			Total	80	100,00%		2,295082	2	2
				71	35,5	17,75						100,00%	61	30,5	15,25
8.18 Photometry									8.18 Photometry						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	8	9,8%	4	32					To high degree	9	11,39%	4	36		
To some dregree	6	7,3%	3	18					To some dregree	16	20,25%	3	48		
To lesser dregree	16	19,5%	2	32					To lesser dregree	21	26,58%	2	42	V	V
Not at all	39	47,6%	1	39	V	V			Not at all	17	21,52%	1	17		
Don't know	13	15,9%							Don't know	16	20,25%				
Comment	0	0,0%							Comment	0	0,00%				
Total	82	100,0%		1,7536232	1	1			Total	79	100,00%		2,2698413	2	2
				69	34,5	17,25						99,99%	63	31,5	15,75
8.19 Light calculation									8.19 Light calculation						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	17	21,3%	4	68					To high degree	39	48,75%	4	156	V	V
To some dregree	16	20,0%	3	48					To some dregree	16	20,00%	3	48		
To lesser dregree	8	10,0%	2	16	V				To lesser dregree	12	15,00%	2	24		
Not at all	37	46,3%	1	37		V			Not at all	5	6,25%	1	5		
Don't know	1	1,3%							Don't know	8	10,00%				
Comment	1	1,3%							Comment	0	0,00%				
Total	80	100,0%		2,1666667	2	1			Total	80	100,00%		3,2361111	3	4
				78	39	19,5						100,00%	72	36	18
8.20 Light sources - aging and degradation									8.20 Light sources - aging and degradation						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	5	6,1%	4	20					To high degree	26	32,50%	4	104		V
To some dregree	11	13,4%	3	33					To some dregree	23	28,75%	3	69	V	
To lesser dregree	15	18,3%	2	30					To lesser dregree	16	20,00%	2	32		
Not at all	47	57,3%	1	47	V	V			Not at all	8	10,00%	1	8		
Don't know	3	3,7%							Don't know	6	7,50%				
Comment	1	1,2%							Comment	1	1,25%				

Total	82	100,0%		1,6666667	1	1			Total	80	100,00%		2,9178082	3	4
		0,60256		78	39	19,5					0,89041096	100,00%	73	36,5	18,25
8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)									8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)						
	Respondents	Percent	Value	Average	Median	Modus				Respondents	Percent	Value	Average	Median	Modus
To high degree	14	17,1%	4	56					To high degree	39	48,15%	4	156	V	V
To some dregree	6	7,3%	3	18					To some dregree	12	14,81%	3	36		
To lesser dregree	6	7,3%	2	12					To lesser dregree	9	11,11%	2	18		
Not at all	50	61,0%	1	50	V	V			Not at all	8	9,88%	1	8		
Don't know	5	6,1%							Don't know	13	16,05%				
Comment	1	1,2%							Comment	0	0,00%				
Total	82	100,0%		1,7894737	1	1			Total	81	100,00%		3,2058824	4	4
		0,65789		76	38	19					0,88235294	100,00%	68	34	17

APPENDIX A
WILCOXYN RANKED SUM RESULTS

1. LIGHT & EXPERIENCE

No dif														
Dif														
		1.1 Light cu	1.2 Art - wi	1.3 Archite	1.4 Landsca	1.5 Commu	1.6 Visual p	1.7 Atmosp	1.8 Materia	1.9 Aesthet	1.10 Senso	1.11 Shadow and form drawing		
	pval	5,68E-07	1,40E-07	1,01E-10	6,26E-14	1,76E-06	0,00252	4,04E-06	0,008807	8,61E-08	6,40E-09	0,002086		
	If pval < 0.0004504504	1	1	1	1	1	0	1	0	1	1	0		
	effect size	0,39	0,40	0,50	0,58	0,37	0,25	0,36	0,20	0,42	0,47	0,24		
	0 = no diff	1	1	1	2	1	0	1	0	1	1	0		
	Dem.Mean	2,8	2,4	3,2	3,1	2,8	3,0	3,3	3,2	3,3	3,0	2,6		
	Dem.SD	0,8	0,9	0,8	0,9	0,9	0,9	0,8	0,9	0,8	0,8	1,1		
	Sup.Mean	2,0	1,6	2,0	1,7	2,0	2,4	2,5	2,7	2,3	2,0	2,1		
	Sup.SD	1,1	0,9	1,2	1,0	1,2	1,2	1,2	1,1	1,2	1,1	1,2		
	4,50E-04				d									
	dif.mean	0,798278	0,740864	1,195993	1,368166	0,834524	0,601862	0,839478	0,444019	0,993314	0,989167	0,539634		
	Dem.Median	3	2	3	3	3	3	3	3	3	3	3		
	Sup.Median	2	1	2	1	1	2	2	3	2	2	2		
	Dif. Median	1	1	1	2	2	1	1	0	1	1	1		
	dem.mode	3	2	4	4	3	3	4	4	4	3	3		
	sup mode	1	1	1	1	1	1	1	4	1	1	1		
	dif. Mode	2	1	3	3	2	2	3	0	3	2	2		
	last test 1 = true	1	0	1	1	1	0	1	0	1	1	0		
	If Effect Size >= 0.3 and one of the others are measureable dif													
	if last test is true and supported by two= measures													
	if last test = true, supported by the two measures and effect size > 0.5													
	Num respond Dem	85	86	86	84	84	78	86	87	86	80	80		
	Num Respond Sup	82	84	83	81	80	73	82	81	80	75	82		
	Dif	3	2	3	3	4	5	4	6	6	5	-2		

2. LIGHT, HEALTH & WELLBEING

No dif														
Dif														
		2.1 Biologic	2.2 Light an	2.3 Human	2.4 Effects	2.5 Effects	2.6 Optome	2.7 Light in	2.8 Visual e	2.9 The eye	2.10 Working environment and lighting			
	pval	6,45E-12	2,43E-07	3,82E-10	2,41E-05	3,30E-05	2,02E-04	6,00E-03	8,10E-06	1,03E-01	2,84E-08			
	If pval < 0.0004504504	1	1	1	1	1	1	0	1	0	1			
	effect size	0,5499939	0,3983228	0,5217694	0,338128	0,3459999	0,3324637	0,2289886	0,3705994	0,1327304	0,4270011			
	0 = no diff	2	1	2	1	1	1	0	1	0	1			
	Dem.Mean	2,7435897	2,9176471	2,8	2,8481013	2,4788732	2,245614	1,8769231	2,6911765	2,25	3,4022989			
	Dem.SD	0,9991672	0,9156284	1,0577526	1,0138605	1,0671612	0,9312185	0,8751374	1,1493977	0,9981326	0,7694723			
	Sup.Mean	1,5384615	2,0361446	1,5810811	2,0909091	1,7534247	1,6617647	1,556962	1,8181818	2	2,4146341			
	Sup.SD	0,9072909	1,0870163	0,979331	1,0904106	1,0643311	0,9713861	0,8879079	1,0224747	1,0476454	1,1648263			
	4,50E-04	d		d										
	dif.mean	1,2051282	0,8815025	1,2189189	0,7571922	0,7254486	0,5838493	0,3199611	0,8729947	0,25	0,9876647			
	Dem.Median	3	3	3	3	2	2	2	3	2	4			
	Sup.Median	1	2	1	2	1	1	1	1	2	2			
	Dif. Median	2	1	2	1	1	1	1	2	0	2			
	dem.mode	3	3	3	3	2	2	2	3	3	4			
	sup mode	1	1	1	1	1	1	1	1	1	1			
	dif. Mode	2	2	2	2	1	1	1	2	2	3			
	last test 1 = true	1	1	1	1	0	0	0	1	0	1			
	If Effect Size >= 0.3 and one of the others are measureable dif													
	if last test is true and supported by two= measures													
	if last test = true, supported by the two measures and effect size > 0.5													
	Num respond Dem	78	85	70	79	71	57	65	68	68	87			
	Num Respond Sup	78	83	74	77	73	68	79	77	83	82			
	Dif	0	2	-4	2	-2	-11	-14	-9	-15	5			

APPENDIX A
WILCOXYN RANKED SUM RESULTS

3. LIGHT & TECHNOLOGY

No dif											
Dif											
		3.1 Sensor t	3.2 Optics a	3.3 Light so	3.4 Light so	3.5 Luminai	3.6 Luminai	3.7 Wireles	3.8 Interface for lighting control		
	pval	1,20E-05	7,45E-03	7,22E-05	3,24E-04	3,58E-11	1,53E-12	4,14E-12	6,18E-09		
	if pval < 0.0004504504	1	0	1	1	1	1	1	1		
	effect size	0,3449688	0,2095941	0,3118348	0,2842566	0,5185702	0,5590384	0,5622864	0,4608967		
	0 = no diff	1	0	1	0	2	2	2	1		
	Dem.Mean	2,9230769	2,7530864	2,8072289	2,1772152	3,0864198	2,5194805	2,6575342	3,0253165		
	Dem.SD	1,0034904	1,0900787	1,1311319	1,0470899	1,0024661	1,0337768	0,9009128	0,9195133		
	Sup.Mean	2,1325301	2,2560976	2,0886076	1,6296296	1,8536585	1,373494	1,5443038	1,9875		
	Sup.SD	1,1345041	1,1947516	1,0644593	0,9006171	1,0198275	0,693363	0,7811476	1,0731917		
	4,50E-04					d	d	d			
	dif.mean	0,7905468	0,4969889	0,7186213	0,5475856	1,2327612	1,1459865	1,1132304	1,0378165		
	Dem.Median	3	3	3	2	3	3	3	3		
	Sup.Median	2	2	2	1	1,5	1	1	2		
	Dif. Median	1	1	1	1	1,5	2	2	1		
	dem.mode	4	3	4	2	4	3	3	4		
	sup mode	1	1	1	1	1	1	1	1		
	dif. Mode	3	2	3	1	3	2	2	3		
	last test 1 = true	1	0	1	0	1	1	1	1		
	If Effect Size >= 0.3 and one of the others are measureable dif										
	if last test is true and supported by two= measures										
	if last test = true, supported by the two measures and effect size > 0.5										
	Num respond Dem	78	81	83	79	81	77	73	79		
	Num Respond Sup	83	82	79	81	82	83	79	80		
	Dif	-5	-1	4	-2	-1	-6	-6	-1		

4. LIGHT & ENERGY

No dif												
Dif												
		4.1 Energy	4.2 Solar er	4.3 Power	4.4 Power S	4.5 Building	4.6 Introdu	4.7 Energy	4.8 Energy renovation (including lighting)			
	pval	2,18E-06	0,3006723	0,0035109	2,78E-04	1,41E-03	0,0004898	3,79E-08	1,31E-10			
	if pval < 0.0004504504	1	0	0	1	0	0	1	1			
	effect size	0,36214	0,0796148	0,22794	0,2821104	0,2500738	0,2756128	0,4231208	0,509622			
	0 = no diff	1	0	0	0	0	0	1	2			
	Dem.Mean	3,4827586	2,5176471	2,6125	2,5487805	2,3703704	2,443038	3,3139535	3,1585366			
	Dem.SD	0,8049566	1,0534723	1,0493367	1,0322269	1,0658851	1,0095294	0,9236963	0,9489372			
	Sup.Mean	2,7261905	2,3571429	2,1190476	1,952381	1,8536585	1,8765432	2,3253012	1,9090909			
	Sup.SD	1,112375	1,1887308	1,1761153	1,1812263	1,0900442	1,0768323	1,1593568	1,1260296			
	4,50E-04								d			
	dif.mean	0,7565681	0,1605042	0,4934524	0,5963995	0,5167118	0,5664948	0,9886523	1,2494457			
	Dem.Median	4	2	3	3	2	3	4	3			
	Sup.Median	3	2	2	1	1	1	2	1			
	Dif. Median	1	0	1	2	1	2	2	2			
	dem.mode	4	2	2	2	3	3	4	4			
	sup mode	4	1	1	1	1	1	1	1			
	dif. Mode	0	1	1	1	2	2	3	3			
	last test 1 = true	0	0	0	0	0	0	1	1			
	If Effect Size >= 0.3 and one of the others are measureable dif											
	if last test is true and supported by two= measures											
	if last test = true, supported by the two measures and effect size > 0.5											
	Num respond Dem	87	85	80	82	81	79	86	82			
	Num Respond Sup	84	84	84	84	82	81	83	77			
	Dif	3	1	-4	-2	-1	-2	3	5			

APPENDIX A
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5. LIGHT & PLANNING

No dif																		
Dif																		
		5.1 Light str	5.2 Lighting	5.3 Light pla	5.4 Econom	5.5 Lighting	5.6 Urban d	5.7 Technic	5.8 Tender	5.9 Light sig	5.10 Traffic	5.11 Public	5.12 Light p	5.13 Safety	5.14 Panic l	5.15 Workir	5.16 Landsc	5.17 Lightir
	pval	7,81E-10	3,19E-12	3,52E-13	1,55E-15	4,07E-10	4,49E-14	3,77E-08	2,71E-12	5,64E-07	1,17E-08	1,91E-12	3,02E-09	5,69E-09	8,23E-06	3,91E-06	8,06E-14	3,00E-14
	if pval < 0.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	effect size	0,4938732	0,5652554	0,5841752	0,632713	0,4973409	0,6022364	0,4376778	0,5616144	0,4198576	0,4737421	0,5711031	0,4748408	0,4664128	0,3593193	0,3649295	0,5980243	0,6162859
	0 = no diff	1	2	2	2	1	2	1	2	1	1	2	1	1	1	1	2	2
	Dem.Mean	3,1666667	2,7922078	3,3684211	3,2	3,1518987	3,1392405	3,2151899	3,3116883	1,9848485	2,0746269	3,3108108	2,7532468	2,5584416	2,36	3,1358025	2,8961039	3,1643836
	Dem.SD	0,82834	0,9912467	0,8301342	0,8328691	0,8783523	0,9161539	0,9152677	0,8923614	0,9197395	1,1846676	0,9640905	0,9480707	0,9664573	0,9814496	0,9186007	0,9401066	0,8167296
	Sup.Mean	1,974026	1,52	1,9620253	1,7341772	2,0253165	1,6794872	2,2151899	1,9871795	1,3289474	1,1538462	1,8717949	1,7468354	1,6329114	1,6708861	2,2911392	1,5443038	1,6708861
	Sup.SD	1,1467807	0,9636642	1,0794471	0,9433826	1,0618644	0,9999167	1,1055905	1,0628752	0,7002506	0,4580286	1,0854286	0,9669985	0,8796447	0,9298679	1,1563858	0,944586	1,0708434
	4,50E-04		d	d	d		d		d			d					d	d
	dif.mean	1,1926407	1,2722078	1,4063957	1,4658228	1,1265823	1,4597533	1	1,3245088	0,6559011	0,9207807	1,4390159	1,0064113	0,9255302	0,6891139	0,8446632	1,3518001	1,4934975
	Dem.Media	3	3	4	3	3	3	3	4	2	2	4	3	3	2	3	3	3
	Sup.Mediar	1	1	2	1	2	1	2	2	1	1	1	1	1	1	2	1	1
	Dif. Mediar	2	2	2	2	1	2	1	2	1	1	3	2	2	1	1	2	2
	dem.mode	3	3	4	3	4	4	4	4	2	1	4	3	2	2	4	3	3
	sup mode	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	dif. Mode	2	2	3	2	3	3	3	3	1	0	3	2	1	1	3	2	2
	last test 1 =	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1
	If Effect Size	>= 0.3 and one of the others are measureable dif																
	if last test is	true and supported by two= measures																
	if last test = true, supported by the two measures and effect size > 0.5																	
	Num respo	78	77	76	80	79	79	79	77	66	67	74	77	77	75	81	77	73
	Num Respo	77	75	79	79	79	78	79	78	76	78	78	79	79	79	79	79	79
	Dif	1	2	-3	1	0	1	0	-1	-10	-11	-4	-2	-2	-4	2	-2	-6

5.18 Lumin	5.19 Comm	5.20 Projec	5.21 Lightir	5.22 Buildir	5.23 Buildir	5.24 Road l	5.25 Comm	5.26 Commissioning and maintenance (of computerised systems)					
2,19E-08	5,70E-05	3,49E-10	8,80E-09	1,14E-06	5,82E-12	2,82E-13	3,72E-11	5,46E-11					
1	1	1	1	1	1	1	1	1					
0,4524242	0,3308456	0,5056592	0,4635383	0,4000275	0,5677912	0,5942971	0,5246019	0,5336705					
1	1	2	1	1	2	2	2	2					
2,0821918	2,6527778	3,0263158	3,0810811	2,5797101	2,6285714	2,7702703	2,8888889	2,3466667					
0,9538435	0,9664764	0,8940348	0,9473359	1,0059499	1,009684	1,1883832	1,0488088	1,0461426					
1,325	1,9605263	1,8589744	2	1,7468354	1,4545455	1,3636364	1,6538462	1,3157895					
0,6115968	1,1247612	1,0778087	1,1023565	1,0678081	0,7871577	0,7054131	0,9646603	0,6574806					
		d			d	d	d	d					
0,7571918	0,6922515	1,1673414	1,0810811	0,8328747	1,174026	1,4066339	1,2350427	1,0308772					
2	3	3	3	3	3	3	3	2					
1	1,5	1	2	1	1	1	1	1					
1	1,5	2	1	2	2	2	2	1					
2	2	3	4	2	2	4	3	2					
1	1	1	1	1	1	1	1	1					
1	1	2	3	1	1	3	2	1					
0	0	1	1	1	1	1	1	0					
73	72	76	74	69	70	74	81	75					
80	76	78	80	79	77	77	78	76					
-7	-4	-2	-6	-10	-7	-3	3	-1					

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6. DAYLIGHT

No dif																	
Dif																	
		6.1 Daylight	6.2 Building	6.3 Daylight	6.4 Facades	6.5 Glass, gl	6.6 Daylight	6.7 Daylight	6.8 Shading	6.9 Building	6.10 Surrou	6.11 Windo	6.12 Daylig	6.13 Daylig	6.14 Daylig	6.15 Useful	6.16 Surface des
	pval	5,03E-03	1,52E-03	1,93E-04	3,42E-06	2,26E-03	6,96E-03	1,42E-06	0,0002567	1,67E-04	1,90E-03	0,0343286	4,18E-08	5,55E-04	3,62E-06	4,95E-08	0,0017393
	if pval < 0.0004504504	0	0	1	1	0	0	1	1	1	0	0	1	0	1	1	0
	effect size	0,2260315	0,2588678	0,3013988	0,379168	0,2509777	0,2203431	0,4075696	0,3025267	0,3115989	0,2534991	0,1739498	0,4462013	0,2867206	0,3782039	0,4746339	0,2582798
	0 = no diff	0	0	1	1	0	0	1	1	1	0	0	1	0	1	1	0
	Dem.Mean	2,5866667	2,527027	2,8493151	2,7042254	2,4428571	2,4027778	2,4507042	2,4637681	2,4411765	2,5211268	2,4142857	2,7945205	2,7142857	2,6901408	2,4761905	2,7014925
	Dem.SD	1,1161388	1,1374445	1,0629	1,0336394	1,0852865	1,1945855	1,0527343	1,1829638	1,1639146	1,0536895	1,1977377	1,0268466	1,1438919	1,1660869	1,0903853	1,0152612
	Sup.Mean	2,0632911	1,9210526	2,125	1,8481013	1,9358974	1,9102564	1,6376812	1,7922078	1,7692308	1,9873418	2,025641	1,7564103	2,04	1,7974684	1,4782609	2,125
	Sup.SD	1,2541395	1,1973655	1,2052102	1,1776618	1,2203868	1,1417223	1,0842592	1,1161218	1,0921571	1,1928599	1,2687488	1,1070717	1,2990641	1,1477933	0,8154518	1,1732784
	4,50E-04																
	dif.mean	0,5233755	0,6059744	0,7243151	0,8561241	0,5069597	0,4925214	0,8130231	0,6715603	0,6719457	0,533785	0,3886447	1,0381103	0,6742857	0,8926725	0,9979296	0,5764925
	Dem.Median	3	3	3	3	2	2	2	2	2	2	2	3	3	3	2	3
	Sup.Median	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2
	Dif. Median	2	2	1	2	1	1	1	1	1	1	1	2	2	2	1	1
	dem.mode	3	3	4	3	2	1	2	4	2	2	1	3	4	4	2	3
	sup mode	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	dif. Mode	2	2	3	2	1	0	1	3	1	1	0	2	3	3	1	2
	last test 1 = true	0	0	1	1	0	0	0	1	0	0	0	1	0	1	0	0
	If Effect Size >= 0.3 and one of the others are measureable dif																
	if last test is true and supported by two= measures																
	if last test = true, supported by the two measures and effect size > 0.5																
	Num respond Dem	75	74	73	71	70	72	71	69	68	71	70	73	70	71	63	67
	Num Respond Sup	79	76	80	79	78	78	69	77	78	79	78	78	75	79	69	80
	Dif	-4	-2	-7	-8	-8	-6	2	-8	-10	-8	-8	-5	-5	-8	-6	-13

7. DIGITALISED LIGHT

No dif												
Dif												
		7.1Light sin	7.2 Intellige	7.3 Interact	7.4 Comput	7.5 Virtual r	7.6 Progran	7.7 Virtual r	7.8 Softwar	7.9 Applicat	7.10 Smart	7.11 Big Data
	pval	2,83E-06	3,22E-09	1,36E-08	1,04E-03	0,0002355	6,66E-06	3,39E-02	7,53E-07	1,44E-05	5,75E-10	9,17E-08
	if pval < 0.0004504504	1	1	1	0	1	1	0	1	1	1	1
	effect size	0,3785787	0,4786035	0,47321	0,2782646	0,3054068	0,3665567	0,1737526	0,4094359	0,3590505	0,5128698	0,4615166
	0 = no diff	1	1	1	0	1	1	0	1	1	2	1
	Dem.Mean	3,0131579	3,1038961	2,8169014	2,8955224	2,3	2,8266667	2,4929577	2,2394366	2,5492958	2,5142857	2,234375
	Dem.SD	1,013159	0,9116846	0,915109	0,971321	0,9683394	1,0574489	0,9981875	1,1271302	1,0112048	1,0597082	0,987898
	Sup.Mean	2,0649351	1,9473684	1,7671233	2,2222222	1,72	1,9736842	2,1282051	1,4133333	1,8	1,4473684	1,4
	Sup.SD	1,2496069	1,1418667	1,0609292	1,2696037	0,8938226	1,1658895	1,2099047	0,7900279	1,0904995	0,7553319	0,7498792
	4,50E-04										d	
	dif.mean	0,9482228	1,1565277	1,0497781	0,6733002	0,58	0,8529825	0,3647526	0,8261033	0,7492958	1,0669173	0,834375
	Dem.Median	3	3	3	3	2	3	3	2	3	3	2
	Sup.Median	1	1	1	2	1	1,5	2	1	1	1	1
	Dif. Median	2	2	2	1	1	1,5	1	1	2	2	1
	dem.mode	4	3	3	3	2	4	3	1	3	3	2
	sup mode	1	1	1	1	1	1	1	1	1	1	1
	dif. Mode	3	2	2	2	1	3	2	0	2	2	1
	last test 1 = true	1	1	1	0	0	1	0	0	1	1	0
	If Effect Size >= 0.3 and one of the others are measureable dif											
	if last test is true and supported by two= measures											
	if last test = true, supported by the two measures and effect size > 0.5											
	Num respond Dem	76	77	71	67	70	75	71	71	71	70	64
	Num Respond Sup	77	76	73	72	75	76	78	75	75	76	70
	Dif	-1	1	-2	-5	-5	-1	-7	-4	-4	-6	-6

APPENDIX A
WILCOXYN RANKED SUM RESULTS

8. LIGHT CHARACTERISTICS & MEASUREMENTS

No dif													
Dif													
		8.1 Radiatic	8.2 Glare	8.3 Colour r	8.4 Colour t	8.5 Flicker	8.6 Evaluat	8.7 Calibrat	8.8 The use	8.9 Light m	8.10 Biome	8.11 Evalua	8.12 Spectr
	pval	5,89E-01	2,47E-05	1,21E-03	1,90E-04	2,73E-07	2,92E-07	0,0030677	0,0095897	0,000749	0,0004172	1,42E-13	0,0007228
	if pval < 0.0004504504	0	1	0	1	1	1	0	0	0	1	1	0
	effect size	0,0450566	0,3398295	0,2574599	0,3007494	0,421161	0,4146065	0,2425639	0,2107942	0,2725282	0,3083265	0,6017796	0,276964
	0 = no diff	0	1	0	1	1	1	0	0	0	1	2	0
	Dem.Mean	2,15625	3,1948052	3,2658228	3,2297297	3,0422535	3,1369863	2,1884058	2,5714286	2,7260274	2,1333333	3,1126761	2,9027778
	Dem.SD	1,0269194	0,9872738	0,9833076	1,0276626	1,0203168	1,0043664	0,9279224	1,0435645	1,0036084	1,1419084	1,0218931	1,0231093
	Sup.Mean	2,1	2,3506494	2,6455696	2,5	2,0384615	2,1875	1,775	2,1234568	2,1375	1,4788732	1,625	2,2207792
	Sup.SD	1,1539695	1,2645598	1,2303635	1,2528449	1,1332324	1,1034325	0,9409798	1,1111111	1,0878355	0,8081576	0,9192044	1,2526118
	4,50E-04											d	
	dif.mean	0,05625	0,8441558	0,6202532	0,7297297	1,003792	0,9494863	0,4134058	0,4479718	0,5885274	0,6544601	1,4876761	0,6819986
	Dem.Median	2	4	4	4	3	3	2	3	3	2	3	3
	Sup.Median	2	2	3	3	2	2	2	2	2	1	1	2
	Dif. Median	0	2	1	1	1	1	0	1	1	1	2	1
	dem.mode	1	4	4	4	4	4	2	3	3	1	4	4
	sup mode	1	1	4	1	1	1	1	1	1	1	1	1
	dif. Mode	0	3	0	3	3	3	1	2	2	0	3	3
	last test 1 = true	0	1	0	1	1	1	0	0	0	0	1	0
	If Effect Size >= 0.3 and one of the others are measureable dif												
	if last test is true and supported by two= measures												
	if last test = true, supported by the two measures and effect size > 0.5												
	Num respond Dem	64	77	79	74	71	73	69	70	73	60	71	72
	Num Respond Sup	80	77	79	80	78	80	80	81	80	71	80	77
	Dif	-16	0	0	-6	-7	-7	-11	-11	-7	-11	-9	-5

8.13 Diffusi	8.14 Transr	8.15 Reflect	8.16 Refrac	8.17 Photor	8.18 Photor	8.19 Light c	8.20 Light s	8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)						
6,31E-03	1,22E-02	9,70E-02	2,68E-02	3,75E-05	0,002023	1,51E-07	4,87E-11	5,82E-11	2,39E-01					
0	0	0	0	1	0	1	1	1	0					
0,2268114	0,2087467	0,1350555	0,1852314	0,3601578	0,2696979	0,4287404	0,5332792	0,5456894	0,0888302					
0	0	0	0	1	0	1	2	2	0 = no diff					
2,7714286	2,6956522	2,9178082	2,6666667	2,295082	2,2698413	3,2361111	2,8918919	3,2058824	3,326087					
1,0239371	1,0751792	1,0508386	0,9801961	1,0057213	1,0192715	0,971322	1,0279327	1,0728512	0,5158732					
2,2533333	2,2133333	2,6025641	2,2702703	1,6142857	1,7647059	2,1666667	1,6666667	1,75	3,202381					
1,1751174	1,2001501	1,1547726	1,1503102	0,9523861	1,0383346	1,2422923	0,9489114	1,1789826	0,6358708					
							d	d						
0,5180952	0,4823188	0,3152441	0,3963964	0,6807963	0,5051354	1,0694444	1,2252252	1,4558824						
3	3	3	3	2	2	4	3	4	3					
2	2	3	2	1	1	2	1	1	3					
1	1	0	1	1	1	2	2	3	0					
3	3	4	3	2	2	4	4	4	3					
1	1	4	1	1	1	1	1	1	3					
2	2	0	2	1	1	3	3	3	0					
0	0	0	0	0	0	1	1	1	0					
70	69	73	69	61	63	72	74	68	92					
75	75	78	74	70	68	78	78	76	84					
-5	-6	-5	-5	-9	-5	-6	-4	-8	8					

APPENDIX A
WILCOXYN RANKED SUM RESULTS

APPENDIX A
DEMAND - GEOGRAPHIC DISTRIBUTION

Language									
Crossed with: Light culture and traditions									
					HIGH	SOME	Architects	Luminaire manufacturing	Building owner consultant	Daylight advisers
English							0	0	0	0
Danish				DK	34%	65,6%	11	10	6	5
Swedish				SE	24%	82,4%	4	10	0	3
Total							15	20	6	8
Language										
Crossed with: Art - with the use of light										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	20%	66,7%	11	25	16	2
Swedish				SE	27%	73,3%	8	14	6	2
Total							19	39	22	4
Language										
Crossed with: Architectural lighting										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	4%	42,6%	2	21	21	10
Swedish				SE	26%	51,6%	8	8	10	5
Total							10	29	31	15
Language										
Crossed with: Landscape Planning and light										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	39%	85,7%	22	26	7	1
Swedish				SE	52%	82,8%	15	9	5	0
Total							37	35	12	1
Language										
Crossed with: Communication - with the use of light										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	33%	74,5%	17	21	9	4
Swedish				SE	52%	80,6%	16	9	5	1
Total							33	30	14	5
Language										
Crossed with: Visual perception										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	25%	71,7%	13	25	11	4
Swedish				SE	23%	56,7%	7	10	11	2
Total							20	35	22	6
Language										
Crossed with: Atmosphere - including the use of lighting										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	28%	72,3%	13	21	9	4
Swedish				SE	46%	92,9%	13	13	2	0
Total							26	34	11	4
Language										
Crossed with: Materials and its lighting properties										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	35%	81,8%	19	26	9	1
Swedish				SE	65%	93,5%	20	9	1	1
Total							39	35	10	2
Language										
Crossed with: Aesthetics - in relation to the light / lighting / lamps										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	41%	74,1%	22	18	12	2
Swedish				SE	52%	81,8%	17	10	4	2
Total							39	28	16	4
Language										
Crossed with: Sensory experiences - including the use of lighting										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	40%	84,9%	21	24	5	3
Swedish				SE	56%	87,5%	18	10	4	0
Total							39	34	9	3

Language									
Crossed with: Shadow and form drawing									
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	24%	74,5%	12	26	12	1
Swedish				SE	28%	72,4%	8	13	7	1
Total							20	39	19	2
Language										
Crossed with: Biological lighting										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	21%	59,6%	11	20	11	10
Swedish				SE	33%	51,9%	9	5	9	4
Total							20	25	20	14
Language										
Crossed with: Light and circadian rhythm										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	19%	51,1%	9	15	14	9
Swedish				SE	35%	80,6%	11	14	4	2
Total							20	29	18	11
Language										
Crossed with: Human centric lighting										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	28%	61,1%	15	18	16	5
Swedish				SE	35%	80,6%	11	14	5	1
Total							26	32	21	6
Language										
Crossed with: Effects of visible light on humans										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	30%	70,0%	12	16	5	7
Swedish				SE	32%	67,9%	9	10	6	3
Total							21	26	11	10
Language										
Crossed with: Effects of non-visible light on humans										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	23%	64,6%	11	20	8	9
Swedish				SE	42%	74,2%	13	10	6	2
Total							24	30	14	11
Language										
Crossed with: Optometry										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	19%	50,0%	8	13	11	10
Swedish				SE	24%	48,3%	7	7	9	6
Total							15	20	20	16
Language										
Crossed with: Light in medical technology										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	6%	38,9%	2	12	13	9
Swedish				SE	14%	42,9%	3	6	7	5
Total							5	18	20	14
Language										
Crossed with: Visual ergonomics										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	0%	12,8%	0	5	20	14
Swedish				SE	15%	30,8%	4	4	7	11
Total							4	9	27	25
Language										
Crossed with: The eye's anatomy and physiology										
					HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English							0	0	0	0
Danish				DK	23%	47,5%	9	10	8	13
Swedish				SE	43%	82,1%	12	11	2	3
Total							21	21	10	16

Language									
Crossed with: Working environment and lighting									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	5%	31,7%	2	11	13	15
Swedish			SE	19%	63,0%	5	12	5	5
Total						7	23	18	20
Language									
Crossed with: Sensor technology									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	43%	89,3%	24	26	5	1
Swedish			SE	74%	90,3%	23	5	1	2
Total						47	31	6	3
Language									
Crossed with: Optics and lenses (Filters, optical mirrors, prisms, foils etc.)									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	33%	71,4%	16	19	11	3
Swedish			SE	41%	58,6%	12	5	7	5
Total						28	24	18	8
Language									
Crossed with: Light source development									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	31%	58,8%	16	14	12	9
Swedish			SE	31%	72,4%	9	12	3	5
Total						25	26	15	14
Language									
Crossed with: Light source manufacturing									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	38%	58,5%	20	11	15	7
Swedish			SE	40%	60,0%	12	6	5	7
Total						32	17	20	14
Language									
Crossed with: Luminaire design									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	10%	30,6%	5	10	16	18
Swedish			SE	23%	40,0%	7	5	11	7
Total						12	15	27	25
Language									
Crossed with: Luminaire manufacturing									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	46%	76,9%	24	16	6	6
Swedish			SE	38%	75,9%	11	11	4	3
Total						35	27	10	9
Language									
Crossed with: Wireless lighting									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	21%	52,1%	10	15	14	9
Swedish			SE	17%	55,2%	5	11	6	7
Total						15	26	20	16
Language									
Crossed with: Interface for lighting control									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	22%	60,9%	10	18	14	4
Swedish			SE	15%	48,1%	4	9	11	3
Total						14	27	25	7
Language									
Crossed with: Energy consumption									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	39%	76,5%	20	19	10	2
Swedish			SE	32%	64,3%	9	9	7	3
Total						29	28	17	5

Language									
Crossed with: Solar energy									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	58%	89,5%	33	18	4	2
Swedish			SE	73%	90,0%	22	5	1	2
Total						55	23	5	4
Language									
Crossed with: Power system design									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	24%	45,5%	13	12	22	8
Swedish			SE	27%	43,3%	8	5	10	7
Total						21	17	32	15
Language									
Crossed with: Power Systems and Building Construction									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	25%	59,6%	13	18	16	5
Swedish			SE	20%	44,4%	7	5	7	8
Total						20	23	23	13
Language									
Crossed with: Building Integrated energy production									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	20%	55,6%	11	19	17	7
Swedish			SE	20%	44,4%	7	5	8	7
Total						18	24	25	14
Language									
Crossed with: Introduction to energy classes									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	19%	50,9%	10	17	14	12
Swedish			SE	15%	40,7%	4	7	7	9
Total						14	24	21	21
Language									
Crossed with: Energy friendly light sources									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	17%	61,5%	9	23	11	9
Swedish			SE	11%	33,3%	3	6	9	0
Total						12	29	20	18
Language									
Crossed with: Energy renovation (including lighting)									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	59%	80,4%	33	12	9	2
Swedish			SE	55%	82,8%	16	8	3	2
Total						49	20	12	4
Language									
Crossed with: Light strategies									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	55%	77,4%	29	12	9	3
Swedish			SE	31%	75,9%	9	13	4	3
Total						38	25	13	6
Language									
Crossed with: Lighting masterplans									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	37%	83,7%	18	23	4	4
Swedish			SE	38%	89,7%	11	15	2	1
Total						29	38	6	5
Language									
Crossed with: Light planning									
				HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English						0	0	0	0
Danish			DK	20%	66,0%	13	18	9	7
Swedish			SE	27%	63,3%	8	11	8	3
Total						21	29	17	10

Language								
Crossed with: Economy (for light planning / energy consumption / construction costs etc.)								
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	45%	78,7%	21	16	8	2
Swedish	SE	76%	89,7%	22	4	3	0
Total				43	20	11	2

Language							
Crossed with: Lighting legislation							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	36%	84,0%	18	24	5	3
Swedish	SE	50%	83,3%	15	10	4	1
Total				33	34	9	4

Language							
Crossed with: Urban design and lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	44%	76,0%	22	16	11	1
Swedish	SE	43%	78,6%	12	10	5	1
Total				34	26	16	2

Language							
Crossed with: Technical descriptions (including lighting)							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	39%	77,6%	19	19	6	5
Swedish	SE	47%	83,3%	14	11	4	1
Total				33	30	10	6

Language							
Crossed with: Tender specifications (including lighting)							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	47%	79,6%	23	16	7	3
Swedish	SE	55%	75,9%	16	6	7	0
Total				39	22	14	3

Language							
Crossed with: Light signals							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	53%	81,6%	26	14	5	4
Swedish	SE	57%	82,1%	16	7	5	0
Total				42	21	10	4

Language							
Crossed with: Traffic lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	13%	30,0%	5	7	17	11
Swedish	SE	0%	20,0%	0	5	9	11
Total				5	12	26	22

Language							
Crossed with: Public lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	10%	19,5%	4	4	9	24
Swedish	SE	38%	50,0%	10	3	7	6
Total				14	7	16	30

Language							
Crossed with: Light pollution							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	51%	78,7%	24	13	6	4
Swedish	SE	70%	85,2%	19	4	2	2
Total				43	17	8	6

Language							
Crossed with: Safety lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	27%	59,2%	13	16	13	7
Swedish	SE	18%	71,4%	5	15	6	2
Total				18	31	19	9

Language							
Crossed with: Panic lighting / escape lighting / emergency lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	13%	39,6%	6	13	21	8
Swedish	SE	31%	69,0%	9	11	6	3
Total				15	24	27	11

Language							
Crossed with: Working environment and lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	11%	37,0%	5	12	18	11
Swedish	SE	21%	51,7%	6	9	9	5
Total				11	21	27	16

Language							
Crossed with: Landscape planning and light							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	38%	72,0%	19	17	12	2
Swedish	SE	55%	89,7%	16	10	2	1
Total				35	27	14	3

Language							
Crossed with: Lighting concept development							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	27%	60,4%	13	16	13	6
Swedish	SE	36%	85,7%	10	14	4	0
Total				23	30	17	6

Language							
Crossed with: Luminous signs							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	40%	83,0%	19	20	6	2
Swedish	SE	38%	73,1%	10	9	7	0
Total				29	29	13	2

Language							
Crossed with: Communication using lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	15%	25,5%	7	5	23	12
Swedish	SE	4%	30,8%	1	7	8	10
Total				8	12	31	22

Language							
Crossed with: Project planning (including lighting)							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	28%	55,3%	13	13	16	5
Swedish	SE	16%	48,0%	4	8	10	3
Total				17	21	26	8

Language							
Crossed with: Lighting standards							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	33%	69,4%	16	18	12	3
Swedish	SE	37%	85,2%	10	13	2	2
Total				26	31	14	5

Language							
Crossed with: Building Act - in relation to indoor electric lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	41%	73,9%	19	15	10	2
Swedish	SE	43%	71,4%	12	8	5	3
Total				31	23	15	5

Language							
Crossed with: Building Act - in relation to outdoor electric lighting							
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	23%	59,1%	10	16	13	5
Swedish	SE	21%	41,7%	5	5	9	5
Total				15	21	22	10

Language

Crossed with: Road lighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	21%	53,2%	10	15	15	7
Swedish	SE	30%	52,2%	7	5	8	3
Total				17	20	23	10

Language

Crossed with: Commissioning and maintenance (of lighting)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	34%	51,1%	16	8	12	11
Swedish	SE	52%	66,7%	14	4	5	4
Total				30	12	17	15

Language

Crossed with: Commissioning and maintenance (of computerised systems)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	36%	77,4%	19	22	6	6
Swedish	SE	33%	55,6%	9	6	7	5
Total				28	28	13	11

Language

Crossed with: Daylight openings

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	14%	42,9%	7	14	15	13
Swedish	SE	24%	44,0%	6	5	9	5
Total				13	19	24	18

Language

Crossed with: Building construction

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	34%	63,8%	16	14	7	10
Swedish	SE	14%	39,3%	4	7	10	7
Total				20	21	17	17

Language

Crossed with: Daylight and spatial design

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	63,8%	14	16	5	12
Swedish	SE	15%	40,7%	4	7	8	8
Total				18	23	13	20

Language

Crossed with: Facades

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	42%	68,9%	19	12	6	8
Swedish	SE	21%	60,7%	6	11	8	3
Total				25	23	14	11

Language

Crossed with: Glass, glass coatings etc.

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	59,1%	13	13	11	7
Swedish	SE	22%	59,3%	6	10	7	4
Total				19	23	18	11

Language

Crossed with: Daylight and thermal comfort

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	29%	53,3%	13	11	13	8
Swedish	SE	12%	28,0%	3	4	10	8
Total				16	15	23	16

Language

Crossed with: Daylight autonomy

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	33%	48,9%	15	7	11	12
Swedish	SE	19%	33,3%	5	4	8	10
Total				20	11	19	22

Language

Crossed with: Shading systems

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	27%	48,9%	12	10	12	11
Swedish	SE	12%	38,5%	3	7	12	4
Total				15	17	24	15

Language

Crossed with: Building components of glass (or other translucent materials)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	37%	54,3%	17	8	13	8
Swedish	SE	13%	26,1%	3	3	6	11
Total				20	11	19	19

Language

Crossed with: Surrounding environments influence on daylighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	38%	54,5%	15	9	11	9
Swedish	SE	17%	20,8%	4	1	10	9
Total				19	10	21	18

Language

Crossed with: Windows and rooflight

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	26%	58,7%	12	15	11	8
Swedish	SE	16%	32,0%	4	4	11	6
Total				16	19	22	14

Language

Crossed with: Daylight sensors

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	54,3%	14	11	9	12
Swedish	SE	21%	29,2%	5	2	7	10
Total				19	13	16	22

Language

Crossed with: Daylight factor

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	63,8%	14	16	10	7
Swedish	SE	27%	69,2%	7	11	4	4
Total				21	27	14	11

Language

Crossed with: Daylight calculation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	40%	48,9%	18	4	16	7
Swedish	SE	28%	64,0%	7	9	3	6
Total				25	13	19	13

Language

Crossed with: Useful Daylight Illuminance (UDI)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	38%	55,6%	17	8	12	8
Swedish	SE	31%	53,8%	8	6	5	7
Total				25	14	17	15

Language

Crossed with: Surface design (surface, reflectance, texture etc.)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	25%	52,5%	10	11	9	10
Swedish	SE	17%	43,5%	4	6	8	5
Total				14	17	17	15

Language

Crossed with: Light simulation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	26%	59,5%	11	14	10	7
Swedish	SE	24%	60,0%	6	9	7	3
Total				17	23	17	10

Language

Crossed with: Shading systems

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	27%	48,9%	12	10	12	11
Swedish	12%	38,5%	3	7	12	4
Total			15	17	24	15

Language

Crossed with: Building components of glass (or other translucent materials)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	37%	54,3%	17	8	13	8
Swedish	13%	26,1%	3	3	6	11
Total			20	11	19	19

Language

Crossed with: Surrounding environments influence on daylighting

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	34%	54,5%	15	9	11	9
Swedish	17%	20,8%	4	1	10	9
Total			19	10	21	18

Language

Crossed with: Windows and rooflight

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	26%	58,7%	12	15	11	8
Swedish	16%	32,0%	4	4	11	6
Total			16	19	22	14

Language

Crossed with: Daylight sensors

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	30%	54,3%	14	11	9	12
Swedish	21%	29,2%	5	2	7	10
Total			19	13	16	22

Language

Crossed with: Daylight factor

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	30%	63,8%	14	16	10	7
Swedish	27%	69,2%	7	11	4	4
Total			21	27	14	11

Language

Crossed with: Daylight calculation

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	40%	48,9%	18	4	16	7
Swedish	28%	64,0%	7	9	3	6
Total			25	13	19	13

Language

Crossed with: Useful Daylight Illuminance (UDI)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	38%	55,6%	17	8	12	8
Swedish	31%	53,8%	8	6	5	7
Total			25	14	17	15

Language

Crossed with: Surface design (surface, reflectance, texture etc.)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	25%	52,5%	10	11	9	10
Swedish	17%	43,5%	4	6	8	5
Total			14	17	17	15

Language

Crossed with: Light simulation

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	26%	59,5%	11	14	10	7
Swedish	24%	60,0%	6	9	7	3
Total			17	23	17	10

Language

Crossed with: Intelligent lighting

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	37%	71,4%	18	17	10	4
Swedish	48%	70,4%	13	6	4	4
Total			31	23	14	8

Language

Crossed with: Interactive lighting

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	38%	82,0%	19	22	5	4
Swedish	42%	76,9%	11	9	5	1
Total			30	31	10	5

Language

Crossed with: Computer rendering

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	28%	69,6%	11	21	9	5
Swedish	20%	72,0%	5	13	4	3
Total			16	34	13	8

Language

Crossed with: Virtual reality

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	36%	61,4%	16	11	14	3
Swedish	26%	73,9%	6	11	3	3
Total			22	22	17	6

Language

Crossed with: Programming (for lighting control / rendering / light calculation etc.)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	17%	47,6%	7	13	13	9
Swedish	4%	35,7%	1	9	10	8
Total			8	22	23	17

Language

Crossed with: Virtual models

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	29%	56,3%	14	13	14	7
Swedish	44%	70,4%	12	7	5	3
Total			26	20	19	10

Language

Crossed with: Software development (for lighting control / rendering / light calculation etc.)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	19%	55,8%	8	16	13	6
Swedish	15%	48,1%	4	9	7	7
Total			12	25	20	13

Language

Crossed with: Applications (for lighting control / rendering / light calculation etc.)

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	20%	40,9%	9	9	14	12
Swedish	19%	33,3%	5	4	6	12
Total			14	13	20	24

Language

Crossed with: Smart City

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	22%	55,6%	10	15	13	7
Swedish	15%	50,0%	4	9	7	6
Total			14	24	20	13

Language

Crossed with: Big Data

	HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English			0	0	0	0
Danish	22%	47,8%	10	12	12	12
Swedish	21%	58,3%	5	9	7	3
Total			15	21	19	15

Language

Crossed with: Radiation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	16%	43,2%	7	12	15	10
Swedish	SE	5%	25,0%	1	4	8	7
Total				8	16	23	17

Language

Crossed with: Glare

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	15%	38,5%	6	9	13	11
Swedish	SE	9%	34,8%	2	6	7	8
Total				8	15	20	19

Language

Crossed with: Colour rendering

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	44%	70,8%	21	13	10	4
Swedish	SE	68%	85,7%	19	5	3	1
Total				40	18	13	5

Language

Crossed with: Colour temperature

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	50%	78,0%	25	14	8	3
Swedish	SE	68%	85,7%	19	5	1	3
Total				44	19	9	6

Language

Crossed with: Flicker

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	49%	73,3%	22	11	8	4
Swedish	SE	70%	92,8%	19	6	0	2
Total				41	17	8	6

Language

Crossed with: Evaluation of light sources

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	37%	65,1%	16	12	12	3
Swedish	SE	56%	81,5%	15	7	2	3
Total				31	19	14	6

Language

Crossed with: Calibration of measuring equipment

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	44%	73,3%	20	13	9	3
Swedish	SE	56%	81,5%	15	7	2	3
Total				35	20	11	6

Language

Crossed with: The use of light measuring instruments

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	9%	32,6%	4	10	18	11
Swedish	SE	8%	42,3%	2	9	8	7
Total				6	19	26	18

Language

Crossed with: Light measuring methods

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	26%	52,4%	11	11	11	9
Swedish	SE	18%	53,6%	5	10	9	4
Total				16	21	20	13

Language

Crossed with: Biometric data collection

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	28%	60,9%	13	15	11	7
Swedish	SE	22%	59,3%	6	10	8	3
Total				19	25	19	10

Language

Crossed with: Evaluation of luminaires

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	23%	48,2%	9	10	8	12
Swedish	SE	5%	19,0%	1	3	4	13
Total				10	13	12	25

Language

Crossed with: Spectral distribution

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	39%	75,0%	17	16	4	7
Swedish	SE	56%	85,2%	15	8	2	2
Total				32	24	6	9

Language

Crossed with: Diffusion of light

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	35%	65,9%	16	13	9	6
Swedish	SE	33%	74,1%	9	11	5	2
Total				25	24	14	8

Language

Crossed with: Transmission of light

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	59,1%	13	13	13	3
Swedish	SE	33%	66,7%	8	8	6	2
Total				21	21	19	7

Language

Crossed with: Reflection of light

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	30%	62,8%	13	14	10	6
Swedish	SE	29%	54,2%	7	6	7	4
Total				20	20	17	10

Language

Crossed with: Refraction of light

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	33%	68,9%	15	16	8	6
Swedish	SE	46%	73,1%	12	7	5	2
Total				27	23	13	8

Language

Crossed with: Photonics

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	27%	56,8%	12	13	11	8
Swedish	SE	13%	66,7%	3	13	7	1
Total				15	26	18	9

Language

Crossed with: Photometry

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	17%	51,2%	7	14	12	8
Swedish	SE	5%	25,0%	1	4	7	8
Total				8	18	19	16

Language

Crossed with: Light calculation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	18%	42,5%	7	10	13	10
Swedish	SE	9%	34,8%	2	6	8	7
Total				9	16	21	17

Language

Crossed with: Light sources - aging and degradation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	48%	68,2%	21	9	10	4
Swedish	SE	64%	89,3%	18	7	2	1
Total				39	16	12	5

Language

Crossed with: Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all
English				0	0	0	0
Danish	DK	28%	60,9%	13	15	13	3
Swedish	SE	48%	77,8%	13	8	3	3
Total				26	23	16	8

APPENDIX A
SUPPLY - GEOGRAPHIC DISTRIBUTION

Language							
Crossed with: 1.1 Light culture and traditions							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	17%	39,6%	9	12	13	19
Swedish	SE	9%	18,8%	3	3	10	16
Total		14%	31,8%	12	15	23	35
Language							
Crossed with: 1.2 Art - with the use of light							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	7%	16,7%	4	5	16	29
Swedish	SE	3%	12,1%	1	3	8	21
Total		6%	14,9%	5	8	24	50
Language							
Crossed with: 1.3 Architectural lighting							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	22%	37,0%	12	8	12	22
Swedish	SE	13%	21,9%	4	3	7	18
Total		19%	31,4%	16	11	19	40
Language							
Crossed with: 1.4 Landscape Planning and light							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	6%	19,2%	3	7	13	29
Swedish	SE	10%	22,6%	3	4	5	19
Total		7%	20,5%	6	11	18	48
Language							
Crossed with: 1.5 Communication - with the use of light							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	14%	35,3%	7	11	7	26
Swedish	SE	23%	26,7%	7	1	7	15
Total		17%	32,1%	14	12	14	41
Language							
Crossed with: 1.6 Visual perception							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	25%	52,1%	12	13	10	13
Swedish	SE	29%	45,8%	7	4	2	11
Total		26%	50,0%	19	17	12	24
Language							
Crossed with: 1.7 Atmosphere - including the use of lighting							
		HIGH	SOME	To high degree	o some dregree	o lesser dregree	Not at all
English				0	0	0	0
Danish	DK	27%	53,8%	14	14	10	14
Swedish	SE	25%	40,6%	8	5	7	12
Total		26%	48,8%	22	19	17	26

Language							
Crossed with: 1.8 Materials and its lighting properties							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	32%	69,8%	17	20	8	8
Swedish	SE	28%	44,8%	8	5	9	7
Total		30%	61,0%	25	25	17	15

Language							
Crossed with: 1.9 Aesthetics - in relation to the light / lighting / lamps							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	23%	48,1%	12	13	9	18
Swedish	SE	16%	35,5%	5	6	5	15
Total		20%	43,4%	17	19	14	33

Language							
Crossed with: 1.10 Sensory experiences - including the use of lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	13%	38,3%	6	12	11	18
Swedish	SE	10%	16,7%	3	2	9	16
Total		12%	29,9%	9	14	20	34

Language							
Crossed with: 1.11 Shadow and form drawing							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	17%	34,0%	9	9	11	24
Swedish	SE	23%	32,3%	7	3	6	15
Total		19%	33,3%	16	12	17	39

Language							
Crossed with: 2.1 Biological lighting							
		HIGH	SOME	To high degree	To some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	4%	14,3%	2	5	8	34
Swedish	SE	10%	16,7%	3	2	6	19
Total		6%	15,2%	5	7	14	53

Language							
Crossed with: 2.2 Light and circadian rhythm							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	13%	37,7%	7	13	11	22
Swedish	SE	10%	35,5%	3	8	5	15
Total		12%	36,9%	10	21	16	37

Language							
Crossed with: 2.3 Human centric lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	6%	18,4%	3	6	6	34
Swedish	SE	11%	22,2%	3	3	3	18
Total		8%	19,7%	6	9	9	52

Language							
Crossed with: 2.4 Effects of visible light on humans							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	13%	31,3%	6	9	15	18
Swedish	SE	16%	38,7%	5	7	4	15
Total		14%	34,2%	11	16	19	33

Language							
Crossed with: 2.5 Effects of non-visible light on humans							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	10%	19,5%	4	4	10	23
Swedish	SE	16%	25,0%	5	3	4	20
Total		12%	21,9%	9	7	14	43

Language							
Crossed with: 2.6 Optometry							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	10%	16,7%	4	3	10	25
Swedish	SE	7%	17,9%	2	3	5	18
Total		9%	17,1%	6	6	15	43

Language							
Crossed with: 2.7 Light in medical technology							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	6%	10,0%	3	2	13	32
Swedish	SE	6%	18,8%	2	4	4	22
Total		6%	13,4%	5	6	17	54

Language							
Crossed with: 2.8 Visual ergonomics							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	4%	24,5%	2	10	14	23
Swedish	SE	17%	26,7%	5	3	2	20
Total		9%	25,3%	7	13	16	43

Language							
Crossed with: 2.9 The eye's anatomy and physiology							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	9%	27,8%	5	10	19	20
Swedish	SE	16%	31,3%	5	5	5	17
Total		12%	29,1%	10	15	24	37

Language							
Crossed with: 2.10 Working environment and lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	28%	52,8%	15	13	13	12
Swedish	SE	23%	35,5%	7	4	8	12
Total		26%	46,4%	22	17	21	24

Language							
Crossed with: 3.1 Sensor technology							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	22%	45,1%	11	12	14	14
Swedish	SE	9%	24,2%	3	5	5	20
Total		17%	36,9%	14	17	19	34

Language							
Crossed with: 3.2 Optics and lenses (Filters, optical mirrors, prisms, foils etc.)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	24%	38,0%	12	7	14	17
Swedish	SE	24%	45,5%	8	7	4	14
Total		24%	41,0%	20	14	18	31

Language							
Crossed with: 3.3 Light source development							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	14%	40,8%	7	13	14	15
Swedish	SE	10%	25,8%	3	5	7	16
Total		13%	35,0%	10	18	21	31

Language							
Crossed with: 3.4 Light source manufacturing							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	6%	20,0%	3	7	12	28
Swedish	SE	3%	15,6%	1	4	5	22
Total		5%	18,3%	4	11	17	50

Language								
Crossed with: 3.5 Luminaire design								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	10%	29,4%	5	10	15	21
Swedish		SE	10%	19,4%	3	3	5	20
Total			10%	25,6%	8	13	20	41

Language								
Crossed with: 3.6 Luminaire manufacturing								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	2%	11,5%	1	5	11	35
Swedish		SE	0%	6,5%	0	2	3	26
Total			1%	9,6%	1	7	14	61

Language								
Crossed with: 3.7 Wireless lighting								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	2%	18,4%	1	8	13	27
Swedish		SE	0%	10,0%	0	3	5	22
Total			1%	15,2%	1	11	18	49

Language								
Crossed with: 3.8 Interface for lighting control								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	20%	36,7%	10	8	18	13
Swedish		SE	3%	15,6%	1	4	4	23
Total			14%	28,4%	11	12	22	36

Language								
Crossed with: 4.1 Energy consumption								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	40%	71,2%	21	16	7	8
Swedish		SE	18%	39,4%	6	7	12	8
Total			32%	58,8%	27	23	19	16

Language								
Crossed with: 4.2 Solar energy								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	33%	53,8%	17	11	12	12
Swedish		SE	13%	28,1%	4	5	8	15
Total			25%	44,0%	21	16	20	27

Language								
Crossed with: 4.3 Power system design								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	35%	40,4%	18	3	15	16
Swedish		SE	0%	18,2%	0	6	7	20
Total			21%	31,8%	18	9	22	36

Language								
Crossed with: 4.4 Power Systems and Building Construction								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	23%	36,5%	12	7	9	24
Swedish		SE	9%	21,2%	3	4	4	22
Total			18%	30,6%	15	11	13	46

Language								
Crossed with: 4.5 Building Integrated energy production								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	16%	33,3%	8	9	9	25
Swedish		SE	6%	18,8%	2	4	5	21
Total			12%	27,7%	10	13	14	46

Language								
Crossed with: 4.6 Introduction to energy classes								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	18%	37,3%	9	10	8	24
Swedish		SE	0%	16,7%	0	5	6	19
Total			11%	29,6%	9	15	14	43

Language								
Crossed with: 4.7 Energy friendly light sources								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	31%	48,1%	16	9	13	14
Swedish		SE	9%	31,3%	3	7	8	14
Total			23%	41,7%	19	16	21	28

Language								
Crossed with: 4.8 Energy renovation (including lighting)								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	21%	35,4%	10	7	12	19
Swedish		SE	7%	13,8%	2	2	4	21
Total			16%	27,3%	12	9	16	40

Language								
Crossed with: 5.1 Light strategies								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	19%	38,3%	9	9	8	21
Swedish		SE	10%	22,6%	3	4	5	19
Total			15%	32,1%	12	13	13	40

Language								
Crossed with: 5.2 Lighting masterplans								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	9%	19,6%	4	5	5	32
Swedish		SE	7%	13,3%	2	2	2	24
Total			8%	17,1%	6	7	7	56

Language								
Crossed with: 5.3 Light planning								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	15%	29,2%	7	7	14	20
Swedish		SE	13%	25,8%	4	4	7	16
Total			14%	27,8%	11	11	21	36

Language								
Crossed with: 5.4 Economy (for light planning / energy consumption / construction costs etc.)								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	11%	27,7%	5	8	12	22
Swedish		SE	0%	12,5%	0	4	7	21
Total			6%	21,5%	5	12	19	43

Language								
Crossed with: 5.5 Lighting legislation								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	19%	39,6%	9	10	10	19
Swedish		SE	3%	18,8%	1	5	11	15
Total			13%	31,3%	10	15	21	34

Language								
Crossed with: 5.6 Urban design and lighting								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	8%	16,7%	4	4	12	28
Swedish		SE	10%	25,8%	3	5	2	21
Total			9%	20,3%	7	9	14	49

Language							
Crossed with: 5.7 Technical descriptions (including lighting)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	19%	37,5%	9	9	18	12
Swedish	SE	19%	31,3%	6	4	7	15
Total		19%	35,0%	15	13	25	27

Language							
Crossed with: 5.8 Tender specifications (including lighting)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	13%	40,4%	6	13	12	16
Swedish	SE	6%	25,8%	2	6	3	20
Total		10%	34,6%	8	19	15	36

Language							
Crossed with: 5.9 Light signals							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	4%	10,2%	2	3	9	35
Swedish	SE	0%	3,6%	0	1	2	25
Total		3%	7,8%	2	4	11	60

Language							
Crossed with: 5.10 Traffic lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	2,1%	1	0	6	41
Swedish	SE	0%	0,0%	0	0	3	28
Total		1%	1,3%	1	0	9	69

Language							
Crossed with: 5.11 Public lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	14%	26,5%	7	6	13	23
Swedish	SE	10%	27,8%	3	5	3	18
Total		13%	26,9%	10	11	16	41

Language							
Crossed with: 5.12 Light pollution							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	9%	27,7%	4	9	11	23
Swedish	SE	6%	12,9%	2	2	8	19
Total		8%	21,8%	6	11	19	42

Language							
Crossed with: 5.13 Safety lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	6%	20,8%	3	7	12	26
Swedish	SE	3%	9,4%	1	2	8	21
Total		5%	16,3%	4	9	20	47

Language							
Crossed with: 5.14 Panic lighting / escape lighting / emergency lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	8%	28,6%	4	10	9	26
Swedish	SE	0%	9,7%	0	3	6	22
Total		5%	21,3%	4	13	15	48

Language							
Crossed with: 5.15 Working environment and lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	22%	40,8%	11	9	14	15
Swedish	SE	20%	43,3%	6	7	5	12
Total		22%	41,8%	17	16	19	27

Language							
Crossed with: 5.16 Landscape planning and light							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	8%	14,6%	4	3	8	33
Swedish	SE	6%	18,8%	2	4	3	23
Total		8%	16,3%	6	7	11	56

Language							
Crossed with: 5.17 Lighting concept development							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	15%	18,8%	7	2	9	30
Swedish	SE	13%	16,7%	4	1	5	20
Total		14%	17,9%	11	3	14	50

Language							
Crossed with: 5.18 Luminous signs							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	4,1%	1	1	11	36
Swedish	SE	0%	6,3%	0	2	6	24
Total		1%	4,9%	1	3	17	60

Language							
Crossed with: 5.19 Communication using lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	15%	31,9%	7	8	6	26
Swedish	SE	14%	31,0%	4	5	9	11
Total		14%	31,6%	11	13	15	37

Language							
Crossed with: 5.20 Project planning (including lighting)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	10%	25,0%	5	7	12	24
Swedish	SE	14%	35,7%	4	6	2	16
Total		12%	28,9%	9	13	14	40

Language							
Crossed with: 5.21 Lighting standards							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	18%	38,8%	9	10	10	20
Swedish	SE	6%	21,9%	2	5	7	18
Total		14%	32,1%	11	15	17	38

Language							
Crossed with: 5.22 Building Act - in relation to indoor electric lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	16%	34,7%	8	9	5	27
Swedish	SE	3%	6,5%	1	1	7	22
Total		11%	23,8%	9	10	12	49

Language							
Crossed with: 5.23 Building Act - in relation to outdoor electric lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	4%	18,8%	2	7	9	30
Swedish	SE	0%	3,3%	0	1	4	25
Total		3%	12,8%	2	8	13	55

Language							
Crossed with: 5.24 Road lighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	10,4%	1	4	9	34
Swedish	SE	0%	10,0%	0	3	2	25
Total		1%	10,3%	1	7	11	59

Language							
Crossed with: 5.25 Commissioning and maintenance (of lighting)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	9%	25,5%	4	8	10	25
Swedish	SE	6%	9,7%	2	1	5	23
Total		8%	19,2%	6	9	15	48

Language							
Crossed with: 5.26 Commissioning and maintenance (of computerised systems)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	6,7%	1	2	9	33
Swedish	SE	3%	3,2%	1	0	5	25
Total		3%	5,3%	2	2	14	58

Language							
Crossed with: 6.1 Daylight openings							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	24%	40,8%	12	8	8	21
Swedish	SE	19%	25,8%	6	2	2	21
Total		23%	35,0%	18	10	10	42

Language							
Crossed with: 6.2 Building construction							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	25%	27,1%	12	1	9	26
Swedish	SE	14%	20,7%	4	2	7	16
Total		21%	24,7%	16	3	16	42

Language							
Crossed with: 6.3 Daylight and spatial design							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	24%	32,7%	12	4	11	22
Swedish	SE	19%	35,5%	6	5	7	13
Total		23%	33,8%	18	9	18	35

Language							
Crossed with: 6.4 Facades							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	20%	26,5%	10	3	7	29
Swedish	SE	13%	26,7%	4	4	4	18
Total		18%	26,6%	14	7	11	47

Language							
Crossed with: 6.5 Glass, glass coatings etc.							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	22%	30,6%	11	4	7	27
Swedish	SE	17%	27,6%	5	3	4	17
Total		21%	29,5%	16	7	11	44

Language							
Crossed with: 6.6 Daylight and thermal comfort							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	19%	33,3%	9	7	9	23
Swedish	SE	10%	23,3%	3	4	4	19
Total		15%	29,5%	12	11	13	42

Language							
Crossed with: 6.7 Daylight autonomy							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	14%	25,6%	6	5	6	26
Swedish	SE	12%	11,5%	3	0	1	22
Total		13%	20,3%	9	5	7	48

Language							
Crossed with: 6.8 Shading systems							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	15%	25,0%	7	5	8	28
Swedish	SE	14%	24,1%	4	3	4	18
Total		14%	24,7%	11	8	12	46

Language							
Crossed with: 6.9 Building components of glass (or other translucent materials)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	14%	26,5%	7	6	8	28
Swedish	SE	10%	20,7%	3	3	4	19
Total		13%	24,4%	10	9	12	47

Language							
Crossed with: 6.10 Surrounding environments influence on daylighting							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	22%	32,7%	11	5	11	22
Swedish	SE	13%	30,0%	4	5	2	19
Total		19%	31,6%	15	10	13	41

Language							
Crossed with: 6.11 Windows and rooflight							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	25%	31,3%	12	3	7	26
Swedish	SE	23%	32,3%	7	3	4	17
Total		24%	31,6%	19	6	11	43

Language							
Crossed with: 6.12 Daylight sensors							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	18%	30,6%	9	6	8	26
Swedish	SE	3%	16,7%	1	4	1	24
Total		13%	25,3%	10	10	9	50

Language							
Crossed with: 6.13 Daylight factor							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	29%	37,8%	13	4	6	22
Swedish	SE	19%	29,0%	6	3	1	21
Total		25%	34,2%	19	7	7	43

Language							
Crossed with: 6.14 Daylight calculation							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	23%	29,2%	11	3	6	28
Swedish	SE	6%	15,6%	2	3	6	21
Total		16%	23,8%	13	6	12	49

Language							
Crossed with: 6.15 Useful Daylight Illuminance (UDI)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	17,1%	1	6	7	27
Swedish	SE	4%	10,7%	1	2	4	21
Total		3%	14,5%	2	8	11	48

Language							
Crossed with: 6.16 Surface design (surface, reflectance, texture etc.)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	16%	34,7%	8	9	11	21
Swedish	SE	25%	34,4%	8	3	7	14
Total		20%	34,6%	16	12	18	35

Language								
Crossed with: 7.1 Light simulation								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	24%	39,1%	11	7	6	22
Swedish		SE	23%	35,5%	7	4	3	17
Total			23%	37,7%	18	11	9	39

Language								
Crossed with: 7.2 Intelligent lighting								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	22%	40,0%	10	8	12	15
Swedish		SE	6%	15,6%	2	3	2	25
Total			16%	29,9%	12	11	14	40

Language								
Crossed with: 7.3 Interactive lighting								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	14%	29,5%	6	7	10	21
Swedish		SE	7%	16,7%	2	3	2	23
Total			11%	24,3%	8	10	12	44

Language								
Crossed with: 7.4 Computer rendering								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	27%	40,0%	12	6	7	20
Swedish		SE	25%	39,3%	7	4	4	13
Total			26%	39,7%	19	10	11	33

Language								
Crossed with: 7.5 Virtual reality								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	7%	24,4%	3	8	10	24
Swedish		SE	0%	16,1%	0	5	9	17
Total			4%	21,1%	3	13	19	41

Language								
Crossed with: 7.6 Programming (for lighting control / rendering / light calculation etc.)								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	29%	37,8%	13	4	11	17
Swedish		SE	3%	16,1%	1	4	5	21
Total			18%	28,9%	14	8	16	38

Language								
Crossed with: 7.7 Virtual models								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	23%	40,4%	11	8	8	20
Swedish		SE	16%	34,4%	5	6	4	17
Total			20%	38,0%	16	14	12	37

Language								
Crossed with: 7.8 Software development (for lighting control / rendering / light calculation etc.)								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	7%	15,9%	3	4	9	28
Swedish		SE	0%	3,3%	0	1	3	26
Total			4%	10,8%	3	5	12	54

Language								
Crossed with: 7.9 Applications (for lighting control / rendering / light calculation etc.)								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	18%	31,1%	8	6	11	20
Swedish		SE	6%	12,9%	2	2	3	24
Total			13%	23,7%	10	8	14	44

Language								
Crossed with: 7.10 Smart City								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	2%	8,9%	1	3	10	31
Swedish		SE	3%	12,9%	1	3	6	21
Total			3%	10,5%	2	6	16	52

Language								
Crossed with: 7.11 Big Data								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	2%	9,8%	1	3	9	28
Swedish		SE	7%	14,3%	2	2	3	21
Total			4%	11,6%	3	5	12	49

Language								
Crossed with: 8.1 Radiation								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	19%	42,6%	9	11	8	19
Swedish		SE	15%	30,3%	5	5	8	15
Total			18%	37,5%	14	16	16	34

Language								
Crossed with: 8.2 Glare								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	31%	55,1%	15	12	7	15
Swedish		SE	21%	34,5%	6	4	2	17
Total			27%	47,4%	21	16	9	32

Language								
Crossed with: 8.3 Colour rendering								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	43%	67,3%	21	12	5	11
Swedish		SE	23%	38,7%	7	5	7	12
Total			35%	56,3%	28	17	12	23

Language								
Crossed with: 8.4 Colour temperature								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	33%	62,5%	16	14	5	13
Swedish		SE	25%	43,8%	8	6	3	15
Total			30%	55,0%	24	20	8	28

Language								
Crossed with: 8.5 Flicker								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	17%	39,6%	8	11	14	15
Swedish		SE	16%	19,4%	5	1	4	21
Total			16%	31,6%	13	12	18	36

Language								
Crossed with: 8.6 Evaluation of light sources								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	10%	53,1%	5	21	10	13
Swedish		SE	19%	28,1%	6	3	4	19
Total			14%	43,2%	11	24	14	32

Language								
Crossed with: 8.7 Calibration of measuring equipment								
			HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English					0	0	0	0
Danish		DK	13%	20,8%	6	4	15	23
Swedish		SE	3%	15,2%	1	4	12	16
Total			9%	18,5%	7	8	27	39

Language							
Crossed with: 8.8 The use of light measuring instruments							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	17%	31,3%	8	7	18	15
Swedish	SE	18%	39,4%	6	7	5	15
Total		17%	34,6%	14	14	23	30

Language							
Crossed with: 8.9 Light measuring methods							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	15%	36,2%	7	10	16	14
Swedish	SE	15%	39,4%	5	8	5	15
Total		15%	37,5%	12	18	21	29

Language							
Crossed with: 8.10 Biometric data collection							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	5%	16,3%	2	5	7	29
Swedish	SE	0%	10,3%	0	3	5	21
Total		3%	13,9%	2	8	12	50

Language							
Crossed with: 8.11 Evaluation of luminaires							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	2%	18,4%	1	8	15	25
Swedish	SE	13%	16,1%	4	1	2	24
Total		6%	17,5%	5	9	17	49

Language							
Crossed with: 8.12 Spectral distribution							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	23%	39,6%	11	8	12	17
Swedish	SE	34%	41,4%	10	2	2	15
Total		27%	40,3%	21	10	14	32

Language							
Crossed with: 8.13 Diffusion of light							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	19%	42,6%	9	11	7	20
Swedish	SE	21%	48,3%	6	8	6	9
Total		20%	44,7%	15	19	13	29

Language							
Crossed with: 8.14 Transmission of light							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	19%	43,8%	9	12	7	20
Swedish	SE	26%	37,0%	7	3	6	11
Total		21%	41,3%	16	15	13	31

Language							
Crossed with: 8.15 Reflection of light							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	29%	59,2%	14	15	8	12
Swedish	SE	33%	50,0%	10	5	8	7
Total		30%	55,7%	24	20	16	19

Language							
Crossed with: 8.16 Refraction of light							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	19%	37,2%	8	8	12	15
Swedish	SE	28%	43,8%	9	5	8	10
Total		23%	40,0%	17	13	20	25

Language							
Crossed with: 8.17 Photonics							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	7%	11,6%	3	2	11	27
Swedish	SE	11%	25,0%	3	4	4	17
Total		8%	16,9%	6	6	15	44

Language							
Crossed with: 8.18 Photometry							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	5%	11,9%	2	3	15	22
Swedish	SE	22%	33,3%	6	3	1	17
Total		12%	20,3%	8	6	16	39

Language							
Crossed with: 8.19 Light calculation							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	28%	46,8%	13	9	5	20
Swedish	SE	13%	35,5%	4	7	3	17
Total		22%	42,3%	17	16	8	37

Language							
Crossed with: 8.20 Light sources - aging and degradation							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	7%	23,9%	3	8	11	24
Swedish	SE	6%	15,6%	2	3	4	23
Total		6%	20,5%	5	11	15	47

Language							
Crossed with: 8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)							
		HIGH	SOME	To high degree	o some degree	o lesser degree	Not at all
English				0	0	0	0
Danish	DK	21%	34,0%	10	6	4	27
Swedish	SE	14%	13,8%	4	0	2	23
Total		18%	26,3%	14	6	6	50

APPENDIX A
DEMAND - INDUSTRY DISTRIBUTION

Sector
Crossed with: Light culture and traditions

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	25%	66,7%	3	5	3	1			2	0	15,4%
Luminaire manufacturing	2	16%	68,4%	3	10	6	0			0	0	20,9%
Building owner consultant	3	17%	50,0%	1	2	3	0			0	0	6,6%
Daylight advisers	4	14%	71,4%	1	4	2	0			0	0	7,7%
Sales	5	0%	50,0%	0	1	1	0			0	0	2,2%
Municipality	6	19%	62,5%	3	7	6	0			0	0	17,6%
Landscape Architects	7	40%	80,0%	2	2	1	0			0	0	5,5%
Lighting designers	8	26%	66,7%	7	11	7	2			1	1	31,9%
Consulting Engineers	9	43%	71,4%	6	4	4	0			1	0	16,5%
Energy sector	10	30%	80,0%	3	5	1	1			0	0	11,0%
Other	11	29%	76,2%	6	10	3	2			2	0	25,3%
Total		23%	69,0%	19	39	22	4			6	1	91

Sector
Crossed with: Art - with the use of light

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	0%	42,9%	0	6	7	1			0	0	15,4%
Luminaire manufacturing	2	11%	31,6%	2	4	10	3			0	0	20,9%
Building owner consultant	3	0%	16,7%	0	1	5	0			0	0	6,6%
Daylight advisers	4	0%	33,3%	0	2	4	0			1	0	7,7%
Sales	5	0%	0,0%	0	0	2	0			0	0	2,2%
Municipality	6	13%	37,5%	2	4	7	3			0	0	17,6%
Landscape Architects	7	0%	60,0%	0	3	2	0			0	0	5,5%
Lighting designers	8	17%	51,7%	5	10	11	3			0	0	31,9%
Consulting Engineers	9	36%	57,1%	5	3	5	1			1	0	16,5%
Energy sector	10	10%	40,0%	1	3	2	4			0	0	11,0%
Other	11	16%	52,6%	3	7	5	4			3	1	25,3%
Total		12%	45,9%	10	29	31	15			5	1	91

Sector
Crossed with: Architectural lighting

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	46%	100,0%	6	7	0	0			1	0	15,6%
Luminaire manufacturing	2	44%	88,9%	8	8	2	0			0	0	20,0%
Building owner consultant	3	50%	100,0%	3	3	0	0			0	0	6,7%
Daylight advisers	4	86%	100,0%	6	1	0	0			0	0	7,8%
Sales	5	100%	100,0%	2	0	0	0			0	0	2,2%
Municipality	6	25%	62,5%	4	6	5	1			0	0	17,8%
Landscape Architects	7	40%	100,0%	2	3	0	0			0	0	5,6%
Lighting designers	8	76%	100,0%	22	7	0	0			0	0	32,2%
Consulting Engineers	9	57%	92,9%	8	5	1	0			1	0	16,7%
Energy sector	10	10%	70,0%	1	6	3	0			0	0	11,1%
Other	11	42%	84,2%	8	8	3	0			3	1	25,6%
Total		44%	85,7%	37	35	11	1			5	1	90

Sector
Crossed with: Landscape Planning and light

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	38%	84,6%	5	6	1	1			1	0	15,6%
Luminaire manufacturing	2	44%	94,4%	8	9	1	0			1	0	21,1%
Building owner consultant	3	50%	83,3%	3	2	1	0			0	0	6,7%
Daylight advisers	4	83%	83,3%	5	0	1	0			1	0	7,8%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,2%
Municipality	6	19%	81,3%	3	10	2	1			0	0	17,8%
Landscape Architects	7	60%	100,0%	3	2	0	0			0	0	5,6%
Lighting designers	8	71%	82,1%	20	3	3	2			1	0	32,2%
Consulting Engineers	9	50%	85,7%	7	5	2	0			1	0	16,7%
Energy sector	10	30%	50,0%	3	2	3	2			0	0	11,1%
Other	11	27%	55,6%	4	6	7	1			2	2	24,4%
Total		40%	76,5%	32	30	14	5			7	2	90

Sector
Crossed with: Communication - with the use of light

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	42%	83,3%	5	5	1	1			2	0	15,7%
Luminaire manufacturing	2	32%	73,7%	6	8	5	0			0	0	21,3%
Building owner consultant	3	33%	66,7%	2	2	1	1			0	0	6,7%
Daylight advisers	4	83%	100,0%	5	1	0	0			1	0	7,9%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,2%
Municipality	6	20%	60,0%	3	6	5	1			0	0	16,9%
Landscape Architects	7	20%	80,0%	1	3	0	1			0	0	5,6%
Lighting designers	8	34%	72,4%	10	11	7	1			0	0	32,6%
Consulting Engineers	9	54%	76,9%	7	3	2	1			1	0	15,7%
Energy sector	10	0%	40,0%	0	4	4	2			0	0	11,2%
Other	11	20%	60,0%	4	8	6	2			2	1	25,8%
Total		24%	67,1%	20	35	21	6			6	1	89

Sector
Crossed with: Visual perception

		HIGH	SOME	To high degree	To some degree	To lesser degree	Not at all			Don't know	Comment	Total
Architects	1	42%	83,3%	5	5	1	1			2	0	15,4%
Luminaire manufacturing	2	17%	88,9%	3	13	2	0			1	0	20,9%
Building owner consultant	3	17%	66,7%	1	3	1	1			0	0	6,6%
Daylight advisers	4	83%	100,0%	5	1	0	0			1	0	7,7%
Sales	5	50%	100,0%	1	1	0	0			0	0	2,2%
Municipality	6	19%	75,0%	3	9	3	1			0	0	17,6%
Landscape Architects	7	20%	80,0%	1	3	0	1			0	0	5,5%
Lighting designers	8	50%	84,6%	13	9	3	1			1	2	31,9%
Consulting Engineers	9	54%	84,6%	7	4	1	1			2	0	16,5%
Energy sector	10	25%	50,0%	2	2	4	0			2	0	11,0%
Other	11	41%	76,5%	7	6	3	1			5	1	25,3%
Total		35%	80,0%	26	34	11	4			13	3	91

Sector															
Crossed with: Atmosphere - including the use of lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	42%	91,7%	5	6	1	0			2	0	15,4%			
Luminaire manufacturing	2	68%	89,5%	13	4	2	0			0	0	20,9%			
Building owner consultant	3	0%	66,7%	0	4	2	0			0	0	6,6%			
Daylight advisers	4	67%	100,0%	4	2	0	0			1	0	7,7%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,2%			
Municipality	6	56%	87,5%	9	5	1	1			0	0	17,6%			
Landscape Architects	7	20%	100,0%	1	4	0	0			0	0	5,5%			
Lighting designers	8	59%	89,7%	17	9	3	0			0	0	31,9%			
Consulting Engineers	9	47%	93,3%	7	7	1	0			0	0	16,5%			
Energy sector	10	30%	70,0%	3	4	3	0			0	0	11,0%			
Other	11	20%	75,0%	4	11	4	1			3	0	25,3%			
Total		46%	87,1%	39	35	9	2			6	0	91			

Sector															
Crossed with: Materials and its lighting properties															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	54%	84,6%	7	4	1	1			1	0	15,6%			
Luminaire manufacturing	2	58%	84,2%	11	5	3	0			0	0	21,1%			
Building owner consultant	3	33%	50,0%	2	1	2	1			0	0	6,7%			
Daylight advisers	4	86%	100,0%	6	1	0	0			0	0	7,8%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,2%			
Municipality	6	44%	62,5%	7	3	6	0			0	0	17,8%			
Landscape Architects	7	0%	80,0%	0	4	1	0			0	0	5,6%			
Lighting designers	8	50%	78,6%	14	8	3	3			1	0	32,2%			
Consulting Engineers	9	64%	78,6%	9	2	2	1			0	0	15,6%			
Energy sector	10	30%	70,0%	3	4	3	0			0	0	11,1%			
Other	11	29%	66,7%	6	8	5	2			2	0	25,6%			
Total		45%	77,9%	39	28	15	4			4	0	90			

Sector															
Crossed with: Aesthetics - in relation to the light / lighting / lamps															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	67%	91,7%	8	3	0	1			2	0	15,7%			
Luminaire manufacturing	2	68%	89,5%	13	4	2	0			0	0	21,3%			
Building owner consultant	3	17%	83,3%	1	4	0	1			0	0	6,7%			
Daylight advisers	4	83%	100,0%	5	1	0	0			0	1	7,9%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,2%			
Municipality	6	44%	87,5%	7	7	2	0			0	0	18,0%			
Landscape Architects	7	60%	100,0%	3	2	0	0			0	0	5,6%			
Lighting designers	8	59%	89,7%	17	9	1	2			0	0	32,6%			
Consulting Engineers	9	50%	92,9%	7	6	0	1			0	0	15,7%			
Energy sector	10	44%	88,9%	4	4	1	0			0	0	10,1%			
Other	11	15%	70,0%	3	11	5	1			2	0	24,7%			
Total		46%	85,7%	39	33	9	3			4	1	89			

Sector															
Crossed with: Sensory experiences - including the use of lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	54,5%	0	6	4	1			3	0	15,7%			
Luminaire manufacturing	2	18%	82,4%	3	11	3	0			0	0	19,1%			
Building owner consultant	3	0%	66,7%	0	4	2	0			0	0	6,7%			
Daylight advisers	4	0%	50,0%	0	3	3	0			1	0	7,9%			
Sales	5	0%	0,0%	0	0	2	0			0	0	2,2%			
Municipality	6	19%	68,8%	3	8	5	0			0	0	18,0%			
Landscape Architects	7	0%	40,0%	0	2	2	1			0	0	5,6%			
Lighting designers	8	15%	59,3%	4	12	9	2			2	0	32,6%			
Consulting Engineers	9	36%	78,6%	5	6	3	0			1	0	16,9%			
Energy sector	10	22%	55,6%	2	3	4	0			0	0	10,1%			
Other	11	53%	84,2%	10	6	3	0			4	0	25,8%			
Total		25%	73,4%	20	38	19	2			10	0	89			

Sector															
Crossed with: Shadow and form drawing															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	75,0%	6	3	2	1			2	0	15,4%			
Luminaire manufacturing	2	35%	64,7%	6	5	4	2			2	0	20,9%			
Building owner consultant	3	17%	66,7%	1	3	2	0			0	0	6,6%			
Daylight advisers	4	67%	83,3%	4	1	1	0			1	0	7,7%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,2%			
Municipality	6	21%	42,9%	3	3	5	3			2	0	17,6%			
Landscape Architects	7	40%	80,0%	2	2	0	1			0	0	5,5%			
Lighting designers	8	44%	64,0%	11	5	6	3			3	1	31,9%			
Consulting Engineers	9	43%	78,6%	6	5	3	0			1	0	16,5%			
Energy sector	10	11%	44,4%	1	3	0	5			1	0	11,0%			
Other	11	15%	45,0%	3	6	7	4			3	0	25,3%			
Total		26%	57,7%	20	25	19	14			12	1	91			

Sector															
Crossed with: Biological lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	27%	81,8%	3	6	1	1			3	0	16,3%			
Luminaire manufacturing	2	17%	50,0%	3	6	8	1			0	0	20,9%			
Building owner consultant	3	0%	50,0%	0	3	2	1			0	0	7,0%			
Daylight advisers	4	29%	85,7%	2	4	1	0			0	0	8,1%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,3%			
Municipality	6	13%	46,7%	2	5	4	4			1	0	18,6%			
Landscape Architects	7	25%	75,0%	1	2	1	0			0	0	4,7%			
Lighting designers	8	36%	68,0%	9	8	3	5			3	0	32,6%			
Consulting Engineers	9	33%	73,3%	5	6	2	2			0	0	17,4%			
Energy sector	10	0%	37,5%	0	3	3	2			1	0	10,5%			
Other	11	44%	81,3%	7	6	1	2			4	0	23,3%			
Total		25%	62,3%	19	29	18	11			9	0	86			

Sector															
Crossed with: Light and circadian rhythm															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	36%	71,4%	5	5	3	1			0	0	15,9%			
Luminaire manufacturing	2	11%	50,0%	2	7	7	2			0	0	20,5%			
Building owner consultant	3	33%	50,0%	2	1	3	0			0	0	6,8%			
Daylight advisers	4	50%	100,0%	3	3	0	0			1	0	8,0%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	7%	53,3%	1	7	4	3			1	0	18,2%			
Landscape Architects	7	50%	50,0%	2	0	2	0			0	0	4,5%			
Lighting designers	8	43%	75,0%	12	9	4	3			0	0	31,8%			
Consulting Engineers	9	43%	78,6%	6	5	3	0			1	0	17,0%			
Energy sector	10	10%	50,0%	1	4	4	1			0	0	11,4%			
Other	11	38%	81,0%	8	9	4	0			1	0	25,0%			
Total		30%	67,9%	25	32	21	6			4	0	88			

Sector															
Crossed with: Human centric lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	22%	88,9%	2	6	0	1			4	0	15,1%			
Luminaire manufacturing	2	41%	70,6%	7	5	4	1			1	0	20,9%			
Building owner consultant	3	33%	50,0%	2	1	1	2			0	0	7,0%			
Daylight advisers	4	17%	100,0%	1	5	0	0			1	0	8,1%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	42%	75,0%	5	4	1	2			4	0	18,6%			
Landscape Architects	7	25%	75,0%	1	2	0	1			0	0	4,7%			
Lighting designers	8	35%	65,2%	8	7	4	4			4	0	31,4%			
Consulting Engineers	9	38%	76,9%	5	5	1	2			2	0	17,4%			
Energy sector	10	13%	25,0%	1	1	3	3			2	0	11,6%			
Other	11	38%	75,0%	6	6	2	2			4	2	25,6%			
Total		30%	68,7%	20	26	11	10			17	2	86			

Sector															
Crossed with: Effects of visible light on humans															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	25%	75,0%	3	6	2	1			2	0	15,9%			
Luminaire manufacturing	2	39%	66,7%	7	5	2	4			0	0	20,5%			
Building owner consultant	3	0%	50,0%	0	3	1	2			0	0	6,8%			
Daylight advisers	4	50%	83,3%	3	2	1	0			1	0	8,0%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	20%	60,0%	3	6	4	2			1	0	18,2%			
Landscape Architects	7	0%	50,0%	0	2	1	1			0	0	4,5%			
Lighting designers	8	40%	68,0%	10	7	5	3			3	0	31,8%			
Consulting Engineers	9	33%	80,0%	5	7	2	1			0	0	17,0%			
Energy sector	10	22%	55,6%	2	3	0	4			1	0	11,4%			
Other	11	32%	68,4%	6	7	4	2			3	0	25,0%			
Total		29%	67,9%	23	30	14	11			10	0	88			

Sector															
Crossed with: Effects of non-visible light on humans															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	18%	54,5%	2	4	3	2			3	0	16,5%			
Luminaire manufacturing	2	20%	53,3%	3	5	3	4			1	0	18,8%			
Building owner consultant	3	0%	40,0%	0	2	1	2			0	0	5,9%			
Daylight advisers	4	50%	66,7%	3	1	1	1			1	0	8,2%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,4%			
Municipality	6	14%	35,7%	2	3	4	5			2	0	18,8%			
Landscape Architects	7	0%	25,0%	0	1	1	2			0	0	4,7%			
Lighting designers	8	42%	58,3%	10	4	6	4			3	0	31,8%			
Consulting Engineers	9	21%	64,3%	3	6	2	3			0	0	16,5%			
Energy sector	10	0%	42,9%	0	3	2	2			2	0	10,6%			
Other	11	33%	55,6%	6	4	5	3			4	0	25,9%			
Total		21%	49,3%	15	20	20	16			14	0	85			

Sector															
Crossed with: Optometry															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	11,1%	0	1	6	2			5	0	15,9%			
Luminaire manufacturing	2	15%	46,2%	2	4	6	1			5	0	20,5%			
Building owner consultant	3	0%	40,0%	0	2	2	1			1	0	6,8%			
Daylight advisers	4	0%	60,0%	0	3	2	0			2	0	8,0%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	25%	33,3%	3	1	5	3			4	0	18,2%			
Landscape Architects	7	0%	0,0%	0	0	1	2			1	0	4,5%			
Lighting designers	8	11%	38,9%	2	5	7	4			10	0	31,8%			
Consulting Engineers	9	25%	62,5%	2	3	2	1			7	0	17,0%			
Energy sector	10	0%	50,0%	0	4	0	4			2	0	11,4%			
Other	11	14%	64,3%	2	7	1	4			8	0	25,0%			
Total		9%	40,4%	5	18	20	14			31	0	88			

Sector															
Crossed with: Light in medical technology															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	18,2%	1	1	4	5			3	0	16,3%			
Luminaire manufacturing	2	0%	28,6%	0	4	7	3			3	0	19,8%			
Building owner consultant	3	0%	16,7%	0	1	2	3			0	0	7,0%			
Daylight advisers	4	0%	33,3%	0	2	2	2			1	0	8,1%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	0%	25,0%	0	3	5	4			4	0	18,6%			
Landscape Architects	7	0%	0,0%	0	0	1	3			0	0	4,7%			
Lighting designers	8	9%	22,7%	2	3	9	8			6	0	32,6%			
Consulting Engineers	9	0%	30,8%	0	4	5	4			2	0	17,4%			
Energy sector	10	0%	0,0%	0	0	1	8			1	0	11,6%			
Other	11	13%	20,0%	2	1	7	5			6	0	24,4%			
Total		6%	20,0%	4	9	27	25			21	0	86			

Sector															
Crossed with: Visual ergonomics															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	20%	50,0%	2	3	3	2			4	0	16,3%			
Luminaire manufacturing	2	50%	91,7%	6	5	1	0			5	0	19,8%			
Building owner consultant	3	17%	33,3%	1	1	2	2			0	0	7,0%			
Daylight advisers	4	29%	71,4%	2	3	2	0			0	0	8,1%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	25%	75,0%	3	6	1	2			4	0	18,6%			
Landscape Architects	7	25%	50,0%	1	1	1	1			0	0	4,7%			
Lighting designers	8	54%	75,0%	13	5	3	3			4	0	32,6%			
Consulting Engineers	9	38%	69,2%	5	4	2	2			1	0	16,3%			
Energy sector	10	11%	33,3%	1	2	1	5			1	0	11,6%			
Other	11	29%	52,9%	5	4	3	5			5	0	25,6%			
Total		31%	61,2%	21	20	10	16			19	0	86			

Sector															
Crossed with: The eye's anatomy and physiology															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	27,3%	0	3	4	4			3	0	16,1%			
Luminaire manufacturing	2	6%	43,8%	1	6	7	2			2	0	20,7%			
Building owner consultant	3	0%	16,7%	0	1	1	4			0	0	6,9%			
Daylight advisers	4	0%	66,7%	0	4	2	0			1	0	8,0%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,3%			
Municipality	6	0%	50,0%	0	5	3	2			6	0	18,4%			
Landscape Architects	7	0%	25,0%	0	1	1	2			0	0	4,6%			
Lighting designers	8	20%	52,0%	5	8	5	7			3	0	32,2%			
Consulting Engineers	9	8%	58,3%	1	6	1	4			3	0	17,2%			
Energy sector	10	0%	25,0%	0	2	2	4			2	0	11,5%			
Other	11	13%	60,0%	2	7	2	4			6	0	24,1%			
Total		10%	43,3%	7	22	18	20			20	0	87			

Sector															
Crossed with: Working environment and lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	57%	85,7%	8	4	1	1			0	0	15,9%			
Luminaire manufacturing	2	56%	100,0%	10	8	0	0			0	0	20,5%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	6,8%			
Daylight advisers	4	86%	100,0%	6	1	0	0			0	0	8,0%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,3%			
Municipality	6	56%	100,0%	9	7	0	0			0	0	18,2%			
Landscape Architects	7	75%	100,0%	3	1	0	0			0	0	4,5%			
Lighting designers	8	67%	88,9%	18	6	2	1			1	0	31,8%			
Consulting Engineers	9	60%	100,0%	9	6	0	0			0	0	17,0%			
Energy sector	10	20%	70,0%	2	5	2	1			0	0	11,4%			
Other	11	52%	81,0%	11	6	3	1			1	0	25,0%			
Total		53%	89,5%	46	31	6	3			2	0	88			

Sector															
Crossed with: Sensor technology															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	45,5%	1	4	3	3			2	0	15,1%			
Luminaire manufacturing	2	35%	76,5%	6	7	4	0			1	0	20,9%			
Building owner consultant	3	17%	66,7%	1	3	2	0			0	0	7,0%			
Daylight advisers	4	0%	60,0%	0	3	1	1			0	0	5,8%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,3%			
Municipality	6	38%	62,5%	6	4	6	0			0	0	18,6%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,5%			
Lighting designers	8	29%	54,2%	7	6	6	5			3	0	31,4%			
Consulting Engineers	9	42%	75,0%	5	4	2	1			2	0	16,3%			
Energy sector	10	40%	80,0%	4	4	1	1			0	0	11,6%			
Other	11	43%	61,9%	9	4	6	2			1	0	25,6%			
Total		35%	66,2%	27	24	18	8			9	0	86			

Sector															
Crossed with: Optics and lenses (Filters, optical mirrors, prisms, foils etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	41,7%	4	1	5	2			1	0	14,9%			
Luminaire manufacturing	2	50%	88,9%	9	7	2	0			0	0	20,7%			
Building owner consultant	3	0%	50,0%	0	3	1	2			0	0	6,9%			
Daylight advisers	4	60%	100,0%	3	2	0	0			0	1	6,9%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,3%			
Municipality	6	20%	66,7%	3	7	4	1			1	0	18,4%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,4%			
Lighting designers	8	32%	68,0%	8	9	4	4			2	0	31,0%			
Consulting Engineers	9	8%	69,2%	1	8	1	3			1	0	16,1%			
Energy sector	10	44%	88,9%	4	4	0	1			1	0	11,5%			
Other	11	15%	55,0%	3	8	5	4			2	0	25,3%			
Total		32%	64,6%	25	26	15	13			7	1	87			

Sector															
Crossed with: Light source development															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	31%	38,5%	4	1	5	3			0	0	14,9%			
Luminaire manufacturing	2	50%	72,2%	9	4	4	1			0	0	20,7%			
Building owner consultant	3	0%	60,0%	0	3	1	1			1	0	6,9%			
Daylight advisers	4	60%	80,0%	3	1	0	1			1	0	6,9%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,3%			
Municipality	6	31%	56,3%	5	4	3	4			0	0	18,4%			
Landscape Architects	7	0%	50,0%	0	1	1	0			1	0	3,4%			
Lighting designers	8	42%	61,5%	11	5	3	7			1	0	31,0%			
Consulting Engineers	9	38%	69,2%	5	4	1	3			1	0	16,1%			
Energy sector	10	50%	70,0%	5	2	2	1			0	0	11,5%			
Other	11	25%	55,0%	5	6	8	1			2	0	25,3%			
Total		38%	58,5%	31	17	20	14			5	0	87			

Sector															
Crossed with: Light source manufacturing															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	25,0%	0	3	3	6			1	0	14,9%			
Luminaire manufacturing	2	17%	27,8%	3	2	12	1			0	0	20,7%			
Building owner consultant	3	0%	40,0%	0	2	1	2			1	0	6,9%			
Daylight advisers	4	0%	60,0%	0	3	1	1			1	0	6,9%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,3%			
Municipality	6	13%	13,3%	2	0	9	4			1	0	18,4%			
Landscape Architects	7	0%	50,0%	0	1	0	1			1	0	3,4%			
Lighting designers	8	4%	32,0%	1	7	9	8			2	0	31,0%			
Consulting Engineers	9	25%	41,7%	3	2	4	3			2	0	16,1%			
Energy sector	10	40%	70,0%	4	3	1	2			0	0	11,5%			
Other	11	5%	35,0%	1	6	6	7			2	0	25,3%			
Total		14%	33,3%	11	15	27	25			9	0	87			

Sector															
Crossed with: Luminaire design															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	66,7%	4	4	3	1			1	0	15,1%			
Luminaire manufacturing	2	67%	94,4%	12	5	1	0			0	0	20,9%			
Building owner consultant	3	0%	80,0%	0	4	1	0			1	0	7,0%			
Daylight advisers	4	20%	100,0%	1	4	0	0			1	0	7,0%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,3%			
Municipality	6	27%	60,0%	4	5	1	5			1	0	18,6%			
Landscape Architects	7	0%	50,0%	0	1	1	0			1	0	3,5%			
Lighting designers	8	31%	73,1%	8	11	5	2			1	0	31,4%			
Consulting Engineers	9	42%	91,7%	5	6	1	0			1	0	15,1%			
Energy sector	10	60%	80,0%	6	2	1	1			0	0	11,6%			
Other	11	38%	76,2%	8	8	3	2			1	0	25,6%			
Total		43%	76,3%	34	27	10	9			6	0	86			

Sector															
Crossed with: Luminaire manufacturing															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	8%	41,7%	1	4	3	4			1	0	15,3%			
Luminaire manufacturing	2	28%	88,9%	5	11	2	0			0	0	21,2%			
Building owner consultant	3	0%	40,0%	0	2	2	1			1	0	7,1%			
Daylight advisers	4	20%	40,0%	1	1	3	0			1	0	7,1%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,4%			
Municipality	6	13%	46,7%	2	5	4	4			1	0	18,8%			
Landscape Architects	7	0%	0,0%	0	0	1	1			1	0	3,5%			
Lighting designers	8	17%	41,7%	4	6	9	5			2	0	30,6%			
Consulting Engineers	9	9%	45,5%	1	4	5	1			2	0	15,3%			
Energy sector	10	40%	70,0%	4	3	2	1			0	0	11,8%			
Other	11	11%	47,4%	2	7	6	4			2	0	24,7%			
Total		20%	52,6%	15	25	20	16			9	0	85			

Sector															
Crossed with: Wireless lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	44,4%	0	4	4	1			4	0	14,9%			
Luminaire manufacturing	2	29%	76,5%	5	8	4	0			1	0	20,7%			
Building owner consultant	3	20%	20,0%	1	0	4	0			1	0	6,9%			
Daylight advisers	4	0%	60,0%	0	3	2	0			1	0	6,9%			
Sales	5	0%	0,0%	0	0	2	0			0	0	2,3%			
Municipality	6	27%	66,7%	4	6	3	2			1	0	18,4%			
Landscape Architects	7	0%	0,0%	0	0	2	0			1	0	3,4%			
Lighting designers	8	22%	47,8%	5	6	10	2			4	0	31,0%			
Consulting Engineers	9	8%	33,3%	1	3	8	0			2	0	16,1%			
Energy sector	10	33%	55,6%	3	2	3	1			1	0	11,5%			
Other	11	24%	47,6%	5	5	8	3			1	0	25,3%			
Total		19%	56,2%	14	27	25	7			14	0	87			

Sector															
Crossed with: Interface for lighting control															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	18%	72,7%	2	6	2	1			2	0	14,9%			
Luminaire manufacturing	2	50%	83,3%	9	6	3	0			0	0	20,7%			
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	6,9%			
Daylight advisers	4	40%	80,0%	2	2	1	0			1	0	6,9%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,3%			
Municipality	6	31%	56,3%	5	4	7	0			0	0	18,4%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,4%			
Lighting designers	8	36%	72,0%	9	9	5	2			2	0	31,0%			
Consulting Engineers	9	36%	72,7%	4	4	3	0			3	0	16,1%			
Energy sector	10	30%	90,0%	3	6	1	0			0	0	11,5%			
Other	11	38%	61,9%	8	5	4	4			1	0	25,3%			
Total		36%	71,8%	28	28	17	5			9	0	87			

Sector															
Crossed with: Energy consumption															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	75,0%	6	3	2	1			1	0	14,9%			
Luminaire manufacturing	2	72%	94,4%	13	4	1	0			0	0	20,7%			
Building owner consultant	3	50%	83,3%	3	2	1	0			0	0	6,9%			
Daylight advisers	4	83%	100,0%	5	1	0	0			0	0	6,9%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,3%			
Municipality	6	56%	100,0%	9	7	0	0			0	0	18,4%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,4%			
Lighting designers	8	59%	83,5%	16	6	2	3			0	0	31,0%			
Consulting Engineers	9	64%	100,0%	9	5	0	0			0	0	16,1%			
Energy sector	10	90%	100,0%	9	1	0	0			0	0	11,5%			
Other	11	50%	77,3%	11	6	3	2			0	0	25,3%			
Total		63%	89,5%	54	23	5	4			1	0	87			

Sector															
Crossed with: Solar energy															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	31%	53,8%	4	3	4	2			0	0	14,9%			
Luminaire manufacturing	2	22%	27,8%	4	1	10	3			0	0	20,7%			
Building owner consultant	3	33%	50,0%	2	1	2	1			0	0	6,9%			
Daylight advisers	4	67%	83,3%	4	1	0	1			0	0	6,9%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,3%			
Municipality	6	13%	37,5%	2	4	6	4			0	0	18,4%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,4%			
Lighting designers	8	31%	46,2%	8	4	8	6			1	0	31,0%			
Consulting Engineers	9	46%	61,5%	6	2	4	1			1	0	16,1%			
Energy sector	10	10%	40,0%	1	3	4	2			0	0	11,5%			
Other	11	19%	52,4%	4	7	6	4			1	0	25,3%			
Total		24%	44,0%	20	17	32	15			3	0	87			
Sector															
Crossed with: Power system design															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	15%	46,2%	2	4	5	2			0	0	15,1%			
Luminaire manufacturing	2	12%	41,2%	2	5	7	3			1	0	20,9%			
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	7,0%			
Daylight advisers	4	20%	80,0%	1	3	0	1			1	0	7,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,3%			
Municipality	6	13%	33,3%	2	3	6	4			1	0	18,6%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,5%			
Lighting designers	8	17%	66,7%	4	12	5	3			2	1	31,4%			
Consulting Engineers	9	54%	92,3%	7	5	1	0			1	0	16,3%			
Energy sector	10	30%	70,0%	3	4	1	2			0	0	11,6%			
Other	11	32%	52,6%	6	4	5	4			2	0	24,4%			
Total		26%	55,1%	20	23	22	13			7	1	86			
Sector															
Crossed with: Power Systems and Building Construction															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	15%	46,2%	2	4	6	1			0	0	15,1%			
Luminaire manufacturing	2	12%	35,3%	2	4	8	3			1	0	20,9%			
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	7,0%			
Daylight advisers	4	20%	80,0%	1	3	1	0			1	0	7,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,3%			
Municipality	6	7%	28,6%	1	3	6	5			1	0	18,6%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,5%			
Lighting designers	8	16%	56,0%	4	10	6	5			1	1	31,4%			
Consulting Engineers	9	54%	84,6%	7	4	1	1			0	0	15,1%			
Energy sector	10	30%	60,0%	3	3	2	2			0	0	11,6%			
Other	11	20%	40,0%	4	4	7	5			2	0	25,6%			
Total		23%	51,3%	18	23	25	14			5	1	86			

Sector															
Crossed with: Building Integrated energy production															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	25%	66,7%	3	5	2	2			1	0	14,9%			
Luminaire manufacturing	2	0%	17,6%	0	3	7	7			1	0	20,7%			
Building owner consultant	3	33%	50,0%	2	1	2	1			0	0	6,9%			
Daylight advisers	4	40%	80,0%	2	2	0	1			1	0	6,9%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,3%			
Municipality	6	0%	40,0%	0	6	3	6			1	0	18,4%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,4%			
Lighting designers	8	21%	50,0%	5	7	4	8			2	1	31,0%			
Consulting Engineers	9	46%	76,9%	6	4	3	0			1	0	16,1%			
Energy sector	10	0%	40,0%	0	4	3	3			0	0	11,5%			
Other	11	16%	47,4%	3	6	4	6			3	0	25,3%			
Total		18%	46,8%	14	23	21	21			7	1	87			
Sector															
Crossed with: Introduction to energy classes															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	27%	63,6%	3	4	2	2			2	0	14,9%			
Luminaire manufacturing	2	6%	35,3%	1	5	7	4			1	0	20,7%			
Building owner consultant	3	17%	83,3%	1	4	1	0			0	0	6,9%			
Daylight advisers	4	60%	80,0%	3	1	0	1			1	0	6,9%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,3%			
Municipality	6	13%	50,0%	2	6	4	4			0	0	18,4%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,4%			
Lighting designers	8	15%	57,7%	4	11	4	7			1	0	31,0%			
Consulting Engineers	9	17%	83,3%	2	8	1	1			2	0	16,1%			
Energy sector	10	0%	30,0%	0	3	4	3			0	0	11,5%			
Other	11	21%	57,9%	4	7	4	4			3	0	25,3%			
Total		15%	51,9%	12	29	20	18			8	0	87			
Sector															
Crossed with: Energy friendly light sources															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	54%	69,2%	7	2	3	1			0	0	14,9%			
Luminaire manufacturing	2	56%	83,3%	10	5	3	0			0	0	20,7%			
Building owner consultant	3	83%	83,3%	5	0	1	0			0	0	6,9%			
Daylight advisers	4	100%	100,0%	5	0	0	0			1	0	6,9%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,3%			
Municipality	6	44%	93,8%	7	8	1	0			0	0	18,4%			
Landscape Architects	7	67%	66,7%	2	0	1	0			0	0	3,4%			
Lighting designers	8	70%	77,8%	19	2	3	3			0	0	31,0%			
Consulting Engineers	9	92%	100,0%	12	1	0	0			1	0	16,1%			
Energy sector	10	80%	100,0%	8	2	0	0			0	0	11,5%			
Other	11	38%	66,7%	8	6	5	2			0	1	25,3%			
Total		57%	81,0%	48	20	12	4			2	1	87			

Sector															
Crossed with: Energy renovation (including lighting)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	54,5%	1	5	4	1			1	0	14,0%			
Luminaire manufacturing	2	50%	94,4%	9	8	1	0			0	0	20,9%			
Building owner consultant	3	67%	83,3%	4	1	1	0			0	0	7,0%			
Daylight advisers	4	60%	100,0%	3	2	0	0			1	0	7,0%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,3%			
Municipality	6	38%	81,3%	6	7	3	0			0	0	18,6%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,5%			
Lighting designers	8	46%	73,1%	12	7	4	3			1	0	31,4%			
Consulting Engineers	9	83%	100,0%	10	2	0	0			2	0	16,3%			
Energy sector	10	60%	80,0%	6	2	0	2			0	0	11,6%			
Other	11	40%	75,0%	8	7	2	3			2	0	25,6%			
Total		46%	76,5%	37	25	13	6			5	0	86			

Sector															
Crossed with: Light strategies															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	83,3%	6	4	1	1			1	0	15,3%			
Luminaire manufacturing	2	35%	94,1%	6	10	0	1			1	0	21,2%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,4%			
Municipality	6	19%	81,3%	3	10	1	2			0	0	18,8%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,5%			
Lighting designers	8	44%	92,0%	11	12	1	1			2	0	31,8%			
Consulting Engineers	9	50%	100,0%	6	6	0	0			1	0	15,3%			
Energy sector	10	22%	88,9%	2	6	0	1			0	0	10,6%			
Other	11	26%	75,0%	5	9	4	1			2	0	24,7%			
Total		38%	85,7%	29	37	6	5			8	0	85			

Sector															
Crossed with: Lighting masterplans															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	42%	75,0%	5	4	2	1			1	0	15,3%			
Luminaire manufacturing	2	28%	72,2%	5	8	2	3			0	0	21,2%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,4%			
Municipality	6	13%	56,3%	2	6	5	2			1	0	18,8%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,5%			
Lighting designers	8	46%	75,0%	11	7	4	2			3	0	31,8%			
Consulting Engineers	9	27%	81,8%	3	6	1	1			2	0	15,3%			
Energy sector	10	22%	55,6%	2	3	0	4			0	0	10,6%			
Other	11	10%	45,0%	2	7	8	3			1	0	24,7%			
Total		28%	64,5%	21	28	17	10			9	0	85			

Sector															
Crossed with: Light planning															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	45%	81,8%	5	4	1	1			1	0	14,3%			
Luminaire manufacturing	2	72%	94,4%	13	4	1	0			0	0	21,4%			
Building owner consultant	3	50%	100,0%	3	3	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	60%	73,3%	9	2	4	0			1	0	19,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,6%			
Lighting designers	8	73%	92,3%	19	5	1	1			1	0	32,1%			
Consulting Engineers	9	82%	100,0%	9	2	0	0			2	0	15,5%			
Energy sector	10	56%	100,0%	5	4	0	0			0	0	10,7%			
Other	11	28%	66,7%	5	7	5	1			3	0	25,0%			
Total		57%	82,7%	43	19	11	2			9	0	84			

Sector															
Crossed with: Economy (for light planning / energy consumption / construction costs etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	42%	83,3%	5	5	1	1			1	0	15,5%			
Luminaire manufacturing	2	39%	83,3%	7	8	3	0			0	0	21,4%			
Building owner consultant	3	40%	100,0%	2	3	0	0			0	0	6,0%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	0%	100,0%	0	1	0	0			0	0	1,2%			
Municipality	6	44%	75,0%	7	5	3	1			0	0	19,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,6%			
Lighting designers	8	40%	84,0%	10	11	2	2			1	0	31,0%			
Consulting Engineers	9	73%	100,0%	8	3	0	0			1	0	14,3%			
Energy sector	10	67%	88,9%	6	2	1	0			0	0	10,7%			
Other	11	20%	75,0%	4	11	4	1			1	0	25,0%			
Total		41%	83,5%	32	34	9	4			5	0	84			

Sector															
Crossed with: Lighting legislation															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	27%	45,5%	3	2	5	1			2	0	15,5%			
Luminaire manufacturing	2	41%	82,4%	7	7	3	0			0	0	20,2%			
Building owner consultant	3	50%	100,0%	3	3	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,4%			
Municipality	6	27%	66,7%	4	6	5	0			0	0	17,9%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,6%			
Lighting designers	8	44%	84,0%	11	10	3	1			1	1	32,1%			
Consulting Engineers	9	75%	91,7%	9	2	1	0			1	0	15,5%			
Energy sector	10	67%	100,0%	6	3	0	0			0	0	10,7%			
Other	11	25%	60,0%	5	7	7	1			1	0	25,0%			
Total		44%	76,6%	34	25	16	2			6	1	84			

Sector															
Crossed with: Urban design and lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	42%	75,0%	5	4	2	1			1	0	15,3%			
Luminaire manufacturing	2	47%	94,1%	8	8	1	0			1	0	21,2%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			1	0	7,1%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,4%			
Municipality	6	40%	80,0%	6	6	3	0			1	0	18,8%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,5%			
Lighting designers	8	52%	85,2%	14	9	2	2			0	0	31,8%			
Consulting Engineers	9	55%	100,0%	6	5	0	0			2	0	15,3%			
Energy sector	10	33%	88,9%	3	5	1	0			0	0	10,6%			
Other	11	35%	65,0%	7	6	3	4			1	0	24,7%			
Total		42%	80,8%	33	30	9	6			7	0	85			
Sector															
Crossed with: Technical descriptions (including lighting)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	36%	63,6%	4	3	3	1			2	0	15,5%			
Luminaire manufacturing	2	39%	88,9%	7	9	2	0			0	0	21,4%			
Building owner consultant	3	67%	100,0%	4	2	0	0			0	0	7,1%			
Daylight advisers	4	80%	100,0%	4	1	0	0			0	1	7,1%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,4%			
Municipality	6	33%	73,3%	5	6	4	0			1	0	19,0%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,6%			
Lighting designers	8	54%	76,9%	14	6	4	2			1	0	32,1%			
Consulting Engineers	9	92%	91,7%	11	0	1	0			0	0	14,3%			
Energy sector	10	44%	88,9%	4	4	1	0			0	0	10,7%			
Other	11	0%	50,0%	6	5	7	1			2	0	25,0%			
Total		51%	77,9%	39	21	14	3			6	1	84			
Sector															
Crossed with: Tender specifications (including lighting)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	36%	63,6%	4	3	3	1			2	0	15,5%			
Luminaire manufacturing	2	44%	88,9%	8	8	2	0			0	0	21,4%			
Building owner consultant	3	67%	100,0%	4	2	0	0			0	0	7,1%			
Daylight advisers	4	60%	100,0%	3	2	0	0			1	0	7,1%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,4%			
Municipality	6	38%	75,0%	6	6	3	1			0	0	19,0%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,6%			
Lighting designers	8	50%	84,6%	13	9	2	2			1	0	32,1%			
Consulting Engineers	9	91%	100,0%	10	1	0	0			1	0	14,3%			
Energy sector	10	56%	100,0%	5	4	0	0			0	0	10,7%			
Other	11	44%	72,2%	8	5	4	1			3	0	25,0%			
Total		55%	82,9%	42	21	9	4			8	0	84			

Sector															
Crossed with: Light signals															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	0,0%	0	0	5	4			4	0	15,7%			
Luminaire manufacturing	2	0%	14,3%	0	2	7	5			3	0	20,5%			
Building owner consultant	3	0%	0,0%	0	0	4	1			0	0	6,0%			
Daylight advisers	4	0%	0,0%	0	0	2	1			3	0	7,2%			
Sales	5	0%	0,0%	0	0	1	0			0	0	1,2%			
Municipality	6	19%	43,8%	3	4	4	5			0	0	19,3%			
Landscape Architects	7	0%	0,0%	0	0	3	0			0	0	3,6%			
Lighting designers	8	0%	11,1%	0	2	6	10			8	0	31,3%			
Consulting Engineers	9	11%	33,3%	1	2	4	2			3	0	14,5%			
Energy sector	10	11%	33,3%	1	2	3	3			0	0	10,8%			
Other	11	0%	25,0%	0	4	8	4			4	1	25,3%			
Total		8%	26,6%	5	12	25	22			18	1	83			
Sector															
Crossed with: Traffic lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	0,0%	0	0	3	7			3	0	15,7%			
Luminaire manufacturing	2	31%	46,2%	4	2	2	5			4	0	20,5%			
Building owner consultant	3	0%	0,0%	0	0	1	5			0	0	7,2%			
Daylight advisers	4	0%	0,0%	0	0	1	2			3	0	7,2%			
Sales	5	0%	0,0%	0	0	0	2			0	0	2,4%			
Municipality	6	57%	78,6%	8	3	0	3			1	0	18,1%			
Landscape Architects	7	0%	0,0%	0	0	2	1			0	0	3,6%			
Lighting designers	8	24%	28,6%	5	1	2	13			6	0	32,5%			
Consulting Engineers	9	22%	44,4%	2	2	2	3			4	0	15,7%			
Energy sector	10	11%	22,2%	1	1	3	4			0	0	10,8%			
Other	11	12%	17,6%	2	1	6	8			4	0	25,3%			
Total		21%	31,8%	14	7	15	30			17	0	83			
Sector															
Crossed with: Public lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	66,7%	3	3	2	1			3	0	14,5%			
Luminaire manufacturing	2	78%	94,4%	14	3	0	1			0	0	21,7%			
Building owner consultant	3	67%	100,0%	4	2	0	0			0	0	7,2%			
Daylight advisers	4	50%	100,0%	2	2	0	0			1	0	6,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	63%	81,3%	10	3	2	1			0	0	19,3%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,6%			
Lighting designers	8	65%	82,6%	15	4	0	4			3	0	31,3%			
Consulting Engineers	9	73%	100,0%	8	3	0	0			2	0	15,7%			
Energy sector	10	78%	77,8%	7	0	1	1			0	0	10,8%			
Other	11	44%	75,0%	7	5	2	2			4	0	24,1%			
Total		59%	82,2%	43	17	7	6			10	0	83			

Sector															
Crossed with: Light pollution															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	27%	72,7%	3	5	2	1			2	0	15,7%			
Luminaire manufacturing	2	24%	82,4%	4	10	2	1			0	0	20,5%			
Building owner consultant	3	17%	50,0%	1	2	3	0			0	0	7,2%			
Daylight advisers	4	40%	100,0%	2	3	0	0			1	0	7,2%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,4%			
Municipality	6	20%	60,0%	3	6	2	4			1	0	19,3%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,6%			
Lighting designers	8	32%	68,0%	8	9	4	4			2	0	32,5%			
Consulting Engineers	9	33%	75,0%	4	5	3	0			0	0	14,5%			
Energy sector	10	33%	55,6%	3	2	3	1			0	0	10,8%			
Other	11	16%	52,6%	3	7	7	2			2	0	25,3%			
Total		24%	63,2%	18	30	19	9			7	0	83			

Sector															
Crossed with: Safety lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	36,4%	1	3	6	1			2	0	15,3%			
Luminaire manufacturing	2	18%	64,7%	3	8	5	1			1	0	21,2%			
Building owner consultant	3	33%	66,7%	2	2	2	0			0	0	7,1%			
Daylight advisers	4	0%	80,0%	0	4	1	0			1	0	7,1%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	19%	56,3%	3	6	4	3			0	0	18,8%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,5%			
Lighting designers	8	20%	56,0%	5	9	6	5			2	0	31,8%			
Consulting Engineers	9	45%	90,9%	5	5	1	0			2	0	15,3%			
Energy sector	10	11%	22,2%	1	1	6	1			0	0	10,6%			
Other	11	25%	45,0%	5	4	6	5			1	0	24,7%			
Total		18%	50,0%	14	24	27	11			9	0	85			

Sector															
Crossed with: Panic lighting / escape lighting / emergency lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	27,3%	1	2	6	2			2	0	15,5%			
Luminaire manufacturing	2	13%	50,0%	2	6	7	1			2	0	21,4%			
Building owner consultant	3	40%	60,0%	2	1	2	0			1	0	7,1%			
Daylight advisers	4	0%	60,0%	0	3	2	0			1	0	7,1%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	13%	31,3%	2	3	8	3			0	0	19,0%			
Landscape Architects	7	0%	0,0%	0	0	2	0			1	0	3,6%			
Lighting designers	8	17%	45,8%	4	7	7	6			3	0	32,1%			
Consulting Engineers	9	60%	90,0%	6	3	1	0			2	0	14,3%			
Energy sector	10	0%	33,3%	0	3	4	2			0	0	10,7%			
Other	11	11%	42,1%	2	6	6	5			2	0	25,0%			
Total		15%	43,2%	11	21	26	16			10	0	84			

Sector															
Crossed with: Working environment and lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	45%	72,7%	5	3	2	1			1	0	14,3%			
Luminaire manufacturing	2	56%	88,9%	10	6	2	0			0	0	21,4%			
Building owner consultant	3	33%	66,7%	2	2	2	0			0	0	7,1%			
Daylight advisers	4	100%	100,0%	4	0	0	0			0	1	6,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	60%	86,7%	9	4	2	0			1	0	19,0%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,6%			
Lighting designers	8	52%	80,0%	13	7	3	2			0	1	31,0%			
Consulting Engineers	9	67%	91,7%	8	3	1	0			1	0	15,5%			
Energy sector	10	22%	55,6%	2	3	3	1			0	0	10,7%			
Other	11	35%	75,0%	7	8	5	0			1	0	25,0%			
Total		45%	78,2%	35	26	14	3			4	2	84			

Sector															
Crossed with: Landscape planning and light															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	36%	54,5%	4	2	4	1			1	0	14,5%			
Luminaire manufacturing	2	35%	88,2%	6	9	2	0			0	0	20,5%			
Building owner consultant	3	50%	100,0%	3	3	0	0			0	0	7,2%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	13%	75,0%	2	10	3	1			0	0	19,3%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,6%			
Lighting designers	8	58%	75,0%	14	4	3	3			1	1	31,3%			
Consulting Engineers	9	55%	100,0%	6	5	0	0			2	0	15,7%			
Energy sector	10	22%	66,7%	2	4	2	1			0	0	10,8%			
Other	11	11%	52,6%	2	8	7	2			2	0	25,3%			
Total		31%	70,7%	23	30	16	6			7	1	83			

Sector															
Crossed with: Lighting concept development															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	90,0%	5	4	0	1			2	0	14,8%			
Luminaire manufacturing	2	39%	88,9%	7	9	2	0			0	0	22,2%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,4%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,2%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,5%			
Municipality	6	21%	57,1%	3	5	5	1			1	0	18,5%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,7%			
Lighting designers	8	58%	83,3%	14	6	3	1			2	0	32,1%			
Consulting Engineers	9	36%	90,9%	4	6	1	0			1	0	14,8%			
Energy sector	10	22%	77,8%	2	5	2	0			0	0	11,1%			
Other	11	33%	77,8%	6	8	4	0			2	0	24,7%			
Total		40%	80,6%	29	29	12	2			9	0	81			

Sector

Crossed with: Luminous signs

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	9%	27,3%	1	2	4	4			1	0	14,3%
Luminaire manufacturing	2	13%	12,5%	2	0	7	7			2	0	21,4%
Building owner consultant	3	0%	0,0%	0	0	3	2			1	0	7,1%
Daylight advisers	4	0%	25,0%	0	1	1	2			1	0	6,0%
Sales	5	0%	0,0%	0	0	1	1			0	0	2,4%
Municipality	6	7%	20,0%	1	2	6	6			1	0	19,0%
Landscape Architects	7	0%	0,0%	0	0	2	0			1	0	3,6%
Lighting designers	8	9%	26,1%	2	4	11	6			3	0	31,0%
Consulting Engineers	9	0%	33,3%	0	3	4	2			4	0	15,5%
Energy sector	10	22%	33,3%	2	1	5	1			0	0	10,7%
Other	11	5%	15,8%	1	2	11	5			2	0	25,0%
Total		11%	26,4%	8	11	31	22			12	0	84

Sector

Crossed with: Communication using lighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	40%	70,0%	4	3	2	1			2	0	14,5%
Luminaire manufacturing	2	6%	37,5%	1	5	9	1			1	0	20,5%
Building owner consultant	3	0%	50,0%	0	3	3	0			0	0	7,2%
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,0%
Sales	5	0%	100,0%	0	2	0	0			0	0	2,4%
Municipality	6	20%	33,3%	3	2	8	2			1	0	19,3%
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,6%
Lighting designers	8	29%	62,5%	7	8	8	1			2	0	31,3%
Consulting Engineers	9	20%	70,0%	2	5	3	0			3	0	15,7%
Energy sector	10	22%	55,6%	2	3	3	1			0	0	10,8%
Other	11	22%	55,6%	4	6	5	3			3	0	25,3%
Total		24%	53,5%	17	21	25	8			12	0	83

Sector

Crossed with: Project planning (including lighting)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	22%	55,6%	2	3	3	1			3	0	14,3%
Luminaire manufacturing	2	33%	88,9%	6	10	2	0			0	0	21,4%
Building owner consultant	3	50%	100,0%	3	3	0	0			0	0	7,1%
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,0%
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%
Municipality	6	31%	75,0%	5	7	3	1			0	0	19,0%
Landscape Architects	7	67%	100,0%	2	1	0	0			0	0	3,6%
Lighting designers	8	30%	82,6%	7	12	2	2			3	0	31,0%
Consulting Engineers	9	58%	100,0%	7	5	0	0			1	0	15,5%
Energy sector	10	56%	88,9%	5	3	1	0			0	0	10,7%
Other	11	20%	55,0%	4	7	6	3			1	0	25,0%
Total		35%	76,0%	26	31	13	5			9	0	84

Sector

Crossed with: Lighting standards

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	30%	80,0%	3	3	3	1			2	0	14,5%
Luminaire manufacturing	2	53%	88,2%	9	6	1	1			1	0	21,7%
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	7,2%
Daylight advisers	4	100%	100,0%	3	0	0	0			1	0	4,8%
Sales	5	100%	100,0%	2	0	0	0			0	0	2,4%
Municipality	6	36%	71,4%	5	5	3	1			2	0	19,3%
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,6%
Lighting designers	8	35%	73,9%	8	9	5	1			2	0	30,1%
Consulting Engineers	9	55%	90,9%	6	4	1	0			1	0	14,5%
Energy sector	10	44%	66,7%	4	2	2	1			0	0	10,8%
Other	11	25%	65,0%	5	8	5	2			1	0	25,3%
Total		42%	72,6%	31	22	15	5			10	0	83

Sector

Crossed with: Building Act - in relation to indoor electric lighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	20%	50,0%	2	3	4	1			1	0	13,8%
Luminaire manufacturing	2	7%	35,7%	1	4	9	0			3	0	21,3%
Building owner consultant	3	17%	50,0%	1	2	3	0			0	0	7,5%
Daylight advisers	4	100%	100,0%	4	0	0	0			0	1	6,3%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%
Municipality	6	9%	54,5%	1	5	4	1			4	0	18,8%
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,8%
Lighting designers	8	36%	59,1%	8	5	5	4			4	0	32,5%
Consulting Engineers	9	50%	66,7%	6	2	4	0			1	0	16,3%
Energy sector	10	13%	50,0%	1	3	2	2			0	0	10,0%
Other	11	11%	44,4%	2	6	6	4			3	0	26,3%
Total		22%	53,7%	15	21	22	9			12	1	80

Sector

Crossed with: Building Act - in relation to outdoor electric lighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	18%	45,5%	2	3	5	1			1	0	14,3%
Luminaire manufacturing	2	7%	60,0%	1	8	6	0			3	0	21,4%
Building owner consultant	3	0%	66,7%	0	4	2	0			0	0	7,1%
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,0%
Sales	5	0%	50,0%	0	1	1	0			0	0	2,4%
Municipality	6	17%	58,3%	2	5	4	1			4	0	19,0%
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,6%
Lighting designers	8	35%	70,0%	7	7	3	3			6	0	31,0%
Consulting Engineers	9	42%	66,7%	5	3	4	0			1	0	15,5%
Energy sector	10	22%	55,6%	2	3	1	3			0	0	10,7%
Other	11	17%	38,9%	3	4	6	5			3	0	25,0%
Total		25%	52,2%	17	19	23	10			15	0	84

Sector															
Crossed with: Road lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	9%	27,3%	0	3	3	5			1	0	14,6%			
Luminaire manufacturing	2	47%	64,7%	8	3	4	2			0	0	20,7%			
Building owner consultant	3	17%	33,3%	1	1	4	0			0	0	7,3%			
Daylight advisers	4	25%	75,0%	1	2	1	0			1	0	6,1%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,4%			
Municipality	6	53%	73,3%	8	3	1	3			0	0	18,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,7%			
Lighting designers	8	41%	63,6%	9	5	4	4			4	0	31,7%			
Consulting Engineers	9	64%	63,6%	7	0	4	0			2	0	15,9%			
Energy sector	10	67%	66,7%	6	0	1	2			0	0	11,0%			
Other	11	41%	47,1%	7	1	6	3			4	0	25,6%			
Total		41%	56,2%	30	11	17	15			9	0	82			

Sector															
Crossed with: Commissioning and maintenance (of lighting)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	8%	41,7%	1	4	4	3			0	0	14,3%			
Luminaire manufacturing	2	44%	83,3%	8	7	3	0			0	0	21,4%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,1%			
Daylight advisers	4	50%	75,0%	2	1	1	0			1	0	6,0%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,4%			
Municipality	6	31%	68,8%	5	6	3	2			0	0	19,0%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,6%			
Lighting designers	8	29%	62,5%	7	8	4	5			1	1	31,0%			
Consulting Engineers	9	58%	100,0%	7	5	0	0			1	0	15,5%			
Energy sector	10	56%	77,8%	5	2	1	1			0	0	10,7%			
Other	11	32%	63,2%	6	6	4	3			2	0	25,0%			
Total		35%	69,6%	28	27	13	11			4	1	84			

Sector															
Crossed with: Commissioning and maintenance (of computerised systems)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	17%	25,0%	2	1	5	4			0	0	14,5%			
Luminaire manufacturing	2	6%	37,5%	1	5	8	2			2	0	21,7%			
Building owner consultant	3	0%	33,3%	0	2	3	1			0	0	7,2%			
Daylight advisers	4	0%	33,3%	0	1	2	0			2	0	6,0%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,4%			
Municipality	6	20%	53,3%	3	5	4	3			1	0	19,3%			
Landscape Architects	7	0%	0,0%	0	0	3	0			0	0	3,6%			
Lighting designers	8	15%	30,0%	3	3	7	7			4	1	30,1%			
Consulting Engineers	9	20%	70,0%	2	5	2	1			2	0	14,5%			
Energy sector	10	22%	44,4%	2	2	3	2			0	0	10,8%			
Other	11	26%	42,1%	5	3	7	4			2	0	25,3%			
Total		18%	42,5%	13	18	24	18			9	1	83			

Sector															
Crossed with: Daylight openings															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	64%	81,8%	7	2	1	1			0	0	13,8%			
Luminaire manufacturing	2	18%	41,2%	3	4	8	2			0	0	21,3%			
Building owner consultant	3	75%	75,0%	3	0	1	0			2	0	7,5%			
Daylight advisers	4	60%	100,0%	3	2	0	0			0	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	0%	35,7%	0	5	5	4			2	0	20,0%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	41%	50,0%	9	2	5	6			2	0	30,0%			
Consulting Engineers	9	36%	63,6%	4	3	4	0			2	0	16,3%			
Energy sector	10	13%	50,0%	1	3	1	3			0	0	10,0%			
Other	11	17%	50,0%	3	6	3	6			2	0	25,0%			
Total		27%	54,1%	20	20	17	17			6	0	80			

Sector															
Crossed with: Building construction															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	60%	90,0%	6	3	0	1			1	0	13,8%			
Luminaire manufacturing	2	6%	31,3%	1	4	9	2			1	0	21,3%			
Building owner consultant	3	60%	100,0%	3	2	0	0			1	0	7,5%			
Daylight advisers	4	60%	100,0%	3	2	0	0			0	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	8%	23,1%	1	2	5	5			3	0	20,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	36%	54,5%	8	4	3	7			2	0	30,0%			
Consulting Engineers	9	33%	75,0%	4	5	3	0			1	0	16,3%			
Energy sector	10	0%	50,0%	0	4	1	3			0	0	10,0%			
Other	11	22%	55,6%	4	6	3	5			2	0	25,0%			
Total		25%	54,8%	18	22	13	20			7	0	80			

Sector															
Crossed with: Daylight and spatial design															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	70%	90,0%	7	2	0	1			1	0	13,9%			
Luminaire manufacturing	2	29%	52,9%	5	4	6	2			0	0	21,5%			
Building owner consultant	3	25%	75,0%	1	2	1	0			2	0	7,6%			
Daylight advisers	4	40%	100,0%	2	3	0	0			0	0	6,3%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,5%			
Municipality	6	7%	40,0%	1	5	5	3			2	0	20,3%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	41%	63,6%	9	5	4	4			2	0	30,4%			
Consulting Engineers	9	36%	90,9%	4	6	1	0			2	0	16,5%			
Energy sector	10	25%	62,5%	2	3	2	1			0	0	10,1%			
Other	11	41%	70,6%	7	5	2	3			2	0	24,1%			
Total		35%	65,3%	25	22	14	11			7	0	79			

Sector															
Crossed with: Facades															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	70%	80,0%	7	1	1	1			1	0	14,1%			
Luminaire manufacturing	2	12%	47,1%	2	6	9	0			0	0	21,8%			
Building owner consultant	3	25%	75,0%	1	2	1	0			2	0	7,7%			
Daylight advisers	4	40%	100,0%	2	3	0	0			0	0	6,4%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,6%			
Municipality	6	7%	42,9%	1	5	5	3			1	0	19,2%			
Landscape Architects	7	100%	100,0%	2	0	0	0			1	0	3,8%			
Lighting designers	8	32%	59,1%	7	6	5	4			2	0	30,8%			
Consulting Engineers	9	27%	100,0%	3	8	0	0			2	0	16,7%			
Energy sector	10	0%	50,0%	0	4	3	1			0	0	10,3%			
Other	11	31%	56,3%	5	4	3	4			3	0	24,4%			
Total		27%	60,0%	19	23	17	11			8	0	78			

Sector															
Crossed with: Glass, glass coatings etc.															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	60%	90,0%	6	3	0	1			1	0	13,9%			
Luminaire manufacturing	2	6%	11,8%	1	1	11	4			0	0	21,5%			
Building owner consultant	3	20%	60,0%	1	2	2	0			1	0	7,6%			
Daylight advisers	4	60%	100,0%	3	2	0	0			0	0	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	8%	15,4%	1	1	5	6			2	0	19,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	24%	47,6%	5	5	4	7			3	0	30,4%			
Consulting Engineers	9	25%	58,3%	3	4	4	1			1	0	16,5%			
Energy sector	10	0%	12,5%	0	1	5	2			0	0	10,1%			
Other	11	25%	37,5%	4	2	5	5			4	0	25,3%			
Total		23%	44,3%	16	15	23	16			9	0	79			

Sector															
Crossed with: Daylight and thermal comfort															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	55%	63,6%	6	1	3	1			0	0	13,8%			
Luminaire manufacturing	2	12%	17,6%	2	1	8	6			0	0	21,3%			
Building owner consultant	3	50%	75,0%	2	1	1	0			2	0	7,5%			
Daylight advisers	4	80%	100,0%	4	1	0	0			0	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	7%	25,0%	1	2	2	9			2	0	20,0%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	33%	52,4%	7	4	4	6			3	0	30,0%			
Consulting Engineers	9	45%	63,6%	5	2	3	1			2	0	16,3%			
Energy sector	10	29%	57,1%	2	2	2	1			1	0	10,0%			
Other	11	19%	31,3%	3	2	5	6			4	0	25,0%			
Total		28%	43,7%	20	11	18	22			9	0	80			

Sector															
Crossed with: Daylight autonomy															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	45%	63,6%	5	2	3	1			0	0	13,8%			
Luminaire manufacturing	2	12%	23,5%	2	2	10	3			0	0	21,3%			
Building owner consultant	3	0%	66,7%	0	2	1	0			3	0	7,5%			
Daylight advisers	4	40%	80,0%	2	2	1	0			0	0	6,3%			
Sales	5	0%	100,0%	0	1	0	0			1	0	2,5%			
Municipality	6	7%	28,6%	1	3	5	5			2	0	20,0%			
Landscape Architects	7	0%	100,0%	0	2	0	0			1	0	3,8%			
Lighting designers	8	19%	42,9%	4	5	7	5			3	0	30,0%			
Consulting Engineers	9	0%	55,6%	0	5	4	0			4	0	16,3%			
Energy sector	10	14%	57,1%	1	3	2	1			1	0	10,0%			
Other	11	33%	44,4%	6	2	6	4			2	0	25,0%			
Total		21%	44,3%	15	16	24	15			10	0	80			

Sector															
Crossed with: Shading systems															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	55%	63,6%	6	1	3	1			0	0	14,1%			
Luminaire manufacturing	2	19%	25,0%	3	1	7	5			1	0	21,8%			
Building owner consultant	3	25%	50,0%	1	1	2	0			2	0	7,7%			
Daylight advisers	4	100%	100,0%	5	0	0	0			0	0	6,4%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,6%			
Municipality	6	0%	15,4%	0	2	3	8			3	0	20,5%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	30%	45,0%	6	3	5	6			3	0	29,5%			
Consulting Engineers	9	44%	44,4%	4	0	5	0			3	0	15,4%			
Energy sector	10	25%	37,5%	2	1	3	2			0	0	10,3%			
Other	11	24%	41,2%	4	3	5	5			3	0	25,6%			
Total		29%	44,1%	20	10	19	19			10	0	78			

Sector															
Crossed with: Building components of glass (or other translucent materials)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	60%	70,0%	6	1	2	1			1	0	13,8%			
Luminaire manufacturing	2	19%	25,0%	3	1	7	5			1	0	21,3%			
Building owner consultant	3	0%	100,0%	0	4	0	0			2	0	7,5%			
Daylight advisers	4	60%	100,0%	3	2	0	0			0	0	6,3%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,5%			
Municipality	6	0%	25,0%	0	1	5	7			3	0	20,0%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	25%	55,0%	5	6	5	4			4	0	30,0%			
Consulting Engineers	9	18%	54,5%	2	4	4	1			2	0	16,3%			
Energy sector	10	25%	50,0%	2	2	2	2			0	0	10,0%			
Other	11	25%	37,5%	4	2	6	4			4	0	25,0%			
Total		28%	42,6%	19	10	21	18			12	0	80			

Sector

Crossed with: Surrounding environments influence on daylighting

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	36%	81,8%	4	5	1	1			0	0	13,9%
Luminaire manufacturing	2	13%	31,3%	2	3	8	3			1	0	21,5%
Building owner consultant	3	25%	50,0%	1	1	2	0			2	0	7,6%
Daylight advisers	4	60%	80,0%	3	1	1	0			0	0	6,3%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%
Municipality	6	0%	16,7%	0	2	7	3			3	0	19,0%
Landscape Architects	7	0%	100,0%	0	2	0	0			1	0	3,8%
Lighting designers	8	29%	52,4%	6	5	5	5			3	0	30,4%
Consulting Engineers	9	36%	54,5%	4	2	4	1			2	0	16,5%
Energy sector	10	13%	50,0%	1	3	2	2			0	0	10,1%
Other	11	18%	52,9%	3	6	5	3			3	0	25,3%
Total		23%	49,3%	16	19	22	14			8	0	79

Sector

Crossed with: Windows and rooflight

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	55%	72,7%	6	2	2	1			0	0	13,8%
Luminaire manufacturing	2	13%	18,8%	2	1	7	6			1	0	21,3%
Building owner consultant	3	25%	50,0%	1	1	2	0			2	0	7,5%
Daylight advisers	4	80%	100,0%	4	1	0	0			0	0	6,3%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%
Municipality	6	0%	14,3%	0	2	4	8			2	0	20,0%
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%
Lighting designers	8	33%	47,6%	7	3	3	8			3	0	30,0%
Consulting Engineers	9	40%	70,0%	4	3	2	1			3	0	16,3%
Energy sector	10	0%	28,6%	0	2	2	3			1	0	10,0%
Other	11	25%	43,8%	4	3	3	6			4	0	25,0%
Total		27%	45,7%	19	13	16	22			10	0	80

Sector

Crossed with: Daylight sensors

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	30%	60,0%	3	3	3	1			1	0	13,8%
Luminaire manufacturing	2	29%	64,7%	5	6	4	2			0	0	21,3%
Building owner consultant	3	20%	80,0%	1	3	1	0			1	0	7,5%
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%
Municipality	6	20%	60,0%	3	6	2	4			1	0	20,0%
Landscape Architects	7	0%	100,0%	0	2	0	0			1	0	3,8%
Lighting designers	8	35%	60,9%	8	6	4	5			1	0	30,0%
Consulting Engineers	9	36%	72,7%	4	4	3	0			2	0	16,3%
Energy sector	10	38%	75,0%	3	3	0	2			0	0	10,0%
Other	11	22%	66,7%	4	8	4	2			2	0	25,0%
Total		29%	65,3%	21	26	14	11			8	0	80

Sector

Crossed with: Daylight factor

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	55%	63,6%	6	1	3	1			0	0	13,9%
Luminaire manufacturing	2	6%	37,5%	1	5	7	3			1	0	21,5%
Building owner consultant	3	50%	50,0%	2	0	2	0			2	0	7,6%
Daylight advisers	4	100%	100,0%	5	0	0	0			0	0	6,3%
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%
Municipality	6	0%	28,6%	0	4	3	7			2	0	20,3%
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%
Lighting designers	8	43%	52,4%	9	2	4	6			3	0	30,4%
Consulting Engineers	9	60%	80,0%	6	2	1	1			3	0	16,5%
Energy sector	10	25%	50,0%	2	2	3	1			0	0	10,1%
Other	11	47%	58,8%	8	2	5	2			2	0	24,1%
Total		36%	54,3%	25	13	19	13			9	0	79

Sector

Crossed with: Daylight calculation

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	55%	72,7%	6	2	2	1			0	0	13,8%
Luminaire manufacturing	2	6%	41,2%	1	6	7	3			0	0	21,3%
Building owner consultant	3	50%	75,0%	2	1	1	0			2	0	7,5%
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%
Municipality	6	0%	21,4%	0	3	4	7			2	0	20,0%
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%
Lighting designers	8	48%	57,1%	10	2	3	6			3	0	30,0%
Consulting Engineers	9	60%	80,0%	6	2	0	2			3	0	16,3%
Energy sector	10	25%	50,0%	2	2	3	1			0	0	10,0%
Other	11	44%	61,1%	8	3	4	3			2	0	25,0%
Total		35%	54,9%	25	14	17	15			9	0	80

Sector

Crossed with: Useful Daylight Illuminance (UDI)

		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total
Architects	1	30%	60,0%	3	3	3	1			1	0	13,8%
Luminaire manufacturing	2	15%	46,2%	2	4	6	1			4	0	21,3%
Building owner consultant	3	25%	50,0%	1	1	1	1			2	0	7,5%
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%
Sales	5	50%	50,0%	1	0	0	1			0	0	2,5%
Municipality	6	0%	16,7%	0	2	5	5			4	0	20,0%
Landscape Architects	7	0%	100,0%	0	2	0	0			1	0	3,8%
Lighting designers	8	33%	52,4%	7	4	4	6			3	0	30,0%
Consulting Engineers	9	50%	70,0%	5	2	2	1			3	0	16,3%
Energy sector	10	13%	62,5%	1	4	1	2			0	0	10,0%
Other	11	21%	50,0%	3	4	4	3			6	0	25,0%
Total		22%	49,2%	14	17	17	15			17	0	80

Sector															
Crossed with: Surface design (surface, reflectance, texture etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	88,9%	3	5	0	1			1	0	12,8%			
Luminaire manufacturing	2	24%	58,8%	4	6	5	2			0	0	21,8%			
Building owner consultant	3	0%	75,0%	0	3	1	0			2	0	7,7%			
Daylight advisers	4	60%	80,0%	3	1	1	0			0	0	6,4%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,6%			
Municipality	6	8%	30,8%	1	3	6	3			3	0	20,5%			
Landscape Architects	7	50%	100,0%	1	1	0	0			1	0	3,8%			
Lighting designers	8	33%	61,9%	7	6	3	5			3	0	30,8%			
Consulting Engineers	9	30%	60,0%	3	3	4	0			3	0	16,7%			
Energy sector	10	25%	75,0%	2	4	1	1			0	0	10,3%			
Other	11	25%	43,8%	4	3	7	2			3	0	24,4%			
Total		25%	59,7%	17	23	17	10			11	0	78			

Sector															
Crossed with: Light simulation															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	44%	66,7%	4	2	2	1			1	0	12,7%			
Luminaire manufacturing	2	59%	82,4%	10	4	2	1			0	0	21,5%			
Building owner consultant	3	40%	80,0%	2	2	1	0			0	0	6,3%			
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	27%	60,0%	4	5	4	2			1	0	20,3%			
Landscape Architects	7	0%	100,0%	0	2	0	0			0	0	2,5%			
Lighting designers	8	48%	73,9%	11	6	1	5			0	0	29,1%			
Consulting Engineers	9	54%	76,9%	7	3	3	0			0	0	16,5%			
Energy sector	10	38%	75,0%	3	3	0	2			0	0	10,1%			
Other	11	40%	70,0%	8	6	4	2			0	0	25,3%			
Total		41%	71,1%	31	23	14	8			3	0	79			

Sector															
Crossed with: Intelligent lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	30%	90,0%	3	6	0	1			1	0	13,8%			
Luminaire manufacturing	2	47%	88,2%	8	7	2	0			0	0	21,3%			
Building owner consultant	3	17%	100,0%	1	5	0	0			0	0	7,5%			
Daylight advisers	4	25%	100,0%	1	3	0	0			1	0	6,3%			
Sales	5	0%	100,0%	0	2	0	0			0	0	2,5%			
Municipality	6	25%	100,0%	4	7	4	1			0	0	20,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	35%	78,3%	8	10	3	2			0	1	30,0%			
Consulting Engineers	9	25%	91,7%	3	8	1	0			1	0	16,3%			
Energy sector	10	63%	87,5%	5	2	1	0			0	0	10,0%			
Other	11	45%	80,0%	9	7	2	2			0	0	25,0%			
Total		39%	80,3%	30	31	10	5			3	1	80			

Sector															
Crossed with: Interactive lighting															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	11%	77,8%	1	6	1	1			2	0	14,1%			
Luminaire manufacturing	2	29%	82,4%	5	9	3	0			0	0	21,8%			
Building owner consultant	3	0%	33,3%	0	2	4	0			0	0	7,7%			
Daylight advisers	4	0%	75,0%	0	3	1	0			1	0	6,4%			
Sales	5	0%	0,0%	0	0	2	0			0	0	2,6%			
Municipality	6	20%	73,3%	3	8	2	2			1	0	20,5%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,8%			
Lighting designers	8	9%	65,2%	2	13	6	2			0	0	29,5%			
Consulting Engineers	9	0%	55,6%	0	5	4	0			2	0	14,1%			
Energy sector	10	38%	87,5%	3	4	0	1			0	0	10,3%			
Other	11	32%	73,7%	6	8	2	3			1	0	25,6%			
Total		23%	70,4%	16	34	13	8			7	0	78			

Sector															
Crossed with: Computer rendering															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	80,0%	5	3	1	1			1	0	13,9%			
Luminaire manufacturing	2	33%	66,7%	5	5	5	0			2	0	21,5%			
Building owner consultant	3	20%	80,0%	1	3	1	0			0	0	6,3%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,5%			
Municipality	6	9%	45,5%	1	4	5	1			5	0	20,3%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	40%	75,0%	8	7	2	3			3	0	29,1%			
Consulting Engineers	9	36%	63,6%	4	3	4	0			1	0	15,2%			
Energy sector	10	43%	71,4%	3	2	2	0			1	0	10,1%			
Other	11	22%	55,6%	4	6	5	3			2	0	25,3%			
Total		33%	65,7%	22	22	17	6			12	0	79			

Sector															
Crossed with: Virtual reality															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	30%	80,0%	3	5	1	1			0	0	12,8%			
Luminaire manufacturing	2	6%	37,5%	1	5	7	3			1	0	21,8%			
Building owner consultant	3	0%	60,0%	0	3	0	2			0	0	6,4%			
Daylight advisers	4	25%	100,0%	1	3	0	0			1	0	6,4%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,6%			
Municipality	6	0%	20,0%	0	3	7	5			1	0	20,5%			
Landscape Architects	7	0%	100,0%	0	2	0	0			0	0	2,6%			
Lighting designers	8	10%	47,6%	2	8	1	10			2	0	29,5%			
Consulting Engineers	9	15%	46,2%	2	4	3	4			0	0	16,7%			
Energy sector	10	0%	14,3%	0	1	4	2			1	0	10,3%			
Other	11	13%	56,3%	2	7	5	2			3	0	24,4%			
Total		11%	42,9%	8	22	23	17			8	0	78			

Sector															
Crossed with: Programming (for lighting control / rendering / light calculation etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	36%	63,6%	4	3	2	2			0	0	13,9%			
Luminaire manufacturing	2	29%	70,6%	5	7	4	1			0	0	21,5%			
Building owner consultant	3	33%	100,0%	2	4	0	0			0	0	7,6%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%			
Municipality	6	27%	40,0%	4	2	6	3			1	0	20,3%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	43%	78,3%	10	8	1	4			0	0	29,1%			
Consulting Engineers	9	42%	75,0%	5	4	1	2			1	0	16,5%			
Energy sector	10	63%	87,5%	5	2	1	0			0	0	10,1%			
Other	11	37%	57,9%	7	4	4	4			1	0	25,3%			
Total		35%	61,3%	26	20	19	10			4	0	79			

Sector															
Crossed with: Virtual models															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	30%	80,0%	3	5	1	1			1	0	13,8%			
Luminaire manufacturing	2	13%	43,8%	2	5	6	3			1	0	21,3%			
Building owner consultant	3	17%	83,3%	1	4	0	1			0	0	7,5%			
Daylight advisers	4	50%	100,0%	2	2	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,5%			
Municipality	6	0%	21,4%	0	3	6	5			2	0	20,0%			
Landscape Architects	7	33%	100,0%	1	2	0	0			0	0	3,8%			
Lighting designers	8	23%	54,5%	5	7	3	7			1	1	30,0%			
Consulting Engineers	9	25%	58,3%	3	4	3	2			1	0	16,3%			
Energy sector	10	25%	62,5%	2	3	2	1			0	0	10,0%			
Other	11	11%	66,7%	2	10	3	3			2	0	25,0%			
Total		17%	52,9%	12	25	20	13			9	1	80			

Sector															
Crossed with: Software development (for lighting control / rendering / light calculation etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	10%	40,0%	1	3	4	2			1	0	13,9%			
Luminaire manufacturing	2	12%	23,5%	2	2	8	5			0	0	21,5%			
Building owner consultant	3	0%	0,0%	0	0	3	2			1	0	7,6%			
Daylight advisers	4	0%	75,0%	0	3	1	0			1	0	6,3%			
Sales	5	0%	0,0%	0	0	1	1			0	0	2,5%			
Municipality	6	0%	6,7%	0	1	5	9			1	0	20,3%			
Landscape Architects	7	0%	0,0%	0	0	2	0			1	0	3,8%			
Lighting designers	8	9%	27,3%	2	4	5	11			2	0	30,4%			
Consulting Engineers	9	9%	36,4%	1	3	3	4			1	0	15,2%			
Energy sector	10	38%	50,0%	3	1	3	1			0	0	10,1%			
Other	11	44%	66,7%	8	4	3	3			2	0	25,3%			
Total		20%	38,0%	14	13	20	24			8	0	79			

Sector															
Crossed with: Applications (for lighting control / rendering / light calculation etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	20%	50,0%	2	3	2	3			1	0	13,9%			
Luminaire manufacturing	2	18%	64,7%	3	8	5	1			0	0	21,5%			
Building owner consultant	3	17%	66,7%	1	3	1	1			0	0	7,6%			
Daylight advisers	4	0%	100,0%	0	4	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,5%			
Municipality	6	0%	33,3%	0	5	6	4			1	0	20,3%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,8%			
Lighting designers	8	14%	59,1%	3	10	3	6			2	0	30,4%			
Consulting Engineers	9	8%	58,3%	1	6	3	2			1	0	16,5%			
Energy sector	10	29%	57,1%	2	2	3	0			0	0	8,9%			
Other	11	39%	66,7%	7	5	2	4			2	0	25,3%			
Total		20%	53,5%	14	24	20	13			8	0	79			

Sector															
Crossed with: Smart City															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	10%	50,0%	1	4	3	2			1	0	14,1%			
Luminaire manufacturing	2	38%	75,0%	6	6	2	2			1	0	21,8%			
Building owner consultant	3	0%	33,3%	0	2	3	1			0	0	7,7%			
Daylight advisers	4	0%	100,0%	0	4	0	0			1	0	6,4%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,6%			
Municipality	6	43%	64,3%	6	3	1	4			2	0	20,5%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	6%	50,0%	1	8	5	4			4	0	28,2%			
Consulting Engineers	9	9%	54,5%	1	5	3	2			1	0	15,4%			
Energy sector	10	38%	50,0%	3	1	3	1			0	0	10,3%			
Other	11	22%	50,0%	4	5	5	4			2	0	25,6%			
Total		22%	50,7%	15	20	19	15			9	0	78			

Sector															
Crossed with: Big Data															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	20%	50,0%	2	3	3	2			1	0	13,9%			
Luminaire manufacturing	2	7%	28,6%	1	3	8	2			3	0	21,5%			
Building owner consultant	3	0%	33,3%	0	2	2	2			0	0	7,6%			
Daylight advisers	4	25%	100,0%	1	3	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,5%			
Municipality	6	8%	33,3%	1	3	4	4			4	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	10%	35,0%	2	5	4	9			4	0	30,4%			
Consulting Engineers	9	0%	33,3%	0	3	3	3			4	0	16,5%			
Energy sector	10	14%	57,1%	1	3	2	1			1	0	10,1%			
Other	11	19%	43,8%	3	4	4	5			3	0	24,1%			
Total		13%	36,5%	8	15	23	17			16	0	79			

Sector															
Crossed with: Radiation															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	25%	37,5%	2	1	3	2			3	0	13,9%			
Luminaire manufacturing	2	0%	30,8%	0	4	4	5			3	0	20,3%			
Building owner consultant	3	20%	20,0%	1	0	2	2			1	0	7,6%			
Daylight advisers	4	67%	66,7%	2	0	1	0			1	1	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	0%	14,3%	0	2	7	5			1	0	19,0%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,8%			
Lighting designers	8	20%	40,0%	4	4	5	7			3	1	30,4%			
Consulting Engineers	9	20%	50,0%	2	3	3	2			3	0	16,5%			
Energy sector	10	17%	16,7%	1	0	2	3			2	0	10,1%			
Other	11	7%	57,1%	1	7	3	3			6	0	25,3%			
Total		13%	36,1%	8	14	20	19			16	2	79			
Sector															
Crossed with: Glare															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	80,0%	5	3	1	1			1	0	13,8%			
Luminaire manufacturing	2	82%	88,2%	14	1	2	0			0	0	21,3%			
Building owner consultant	3	33%	66,7%	2	2	2	0			0	0	7,5%			
Daylight advisers	4	80%	80,0%	4	0	1	0			0	0	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	40%	46,7%	6	1	7	1			1	0	20,0%			
Landscape Architects	7	67%	66,7%	2	0	1	0			0	0	3,8%			
Lighting designers	8	61%	73,9%	14	3	4	2			0	1	30,0%			
Consulting Engineers	9	62%	84,6%	8	3	2	0			0	0	16,3%			
Energy sector	10	63%	87,5%	5	2	0	1			0	0	10,0%			
Other	11	58%	83,3%	7	8	1	2			2	0	25,0%			
Total		53%	76,0%	40	17	13	5			4	1	80			
Sector															
Crossed with: Colour rendering															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	70%	80,0%	7	1	1	1			1	0	13,8%			
Luminaire manufacturing	2	76%	88,2%	13	2	2	0			0	0	21,3%			
Building owner consultant	3	50%	83,3%	3	2	1	0			0	0	7,5%			
Daylight advisers	4	100%	100,0%	5	0	0	0			0	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	43%	62,5%	6	4	5	1			0	0	20,0%			
Landscape Architects	7	67%	66,7%	2	0	1	0			0	0	3,8%			
Lighting designers	8	70%	87,0%	16	4	1	2			0	1	30,0%			
Consulting Engineers	9	69%	92,3%	9	3	1	0			0	0	16,3%			
Energy sector	10	75%	100,0%	6	2	0	0			0	0	10,0%			
Other	11	37%	84,2%	7	9	0	3			1	0	25,0%			
Total		57%	81,8%	44	19	9	5			2	1	80			

Sector															
Crossed with: Colour temperature															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	67%	77,8%	6	1	1	1			1	0	13,0%			
Luminaire manufacturing	2	76%	88,2%	13	2	1	1			0	0	22,1%			
Building owner consultant	3	50%	83,3%	3	2	1	0			0	0	7,8%			
Daylight advisers	4	75%	100,0%	3	1	0	0			0	1	6,5%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,6%			
Municipality	6	47%	53,3%	7	1	4	3			1	0	20,8%			
Landscape Architects	7	50%	50,0%	1	0	1	0			0	0	2,6%			
Lighting designers	8	68%	90,9%	15	5	0	2			0	1	29,9%			
Consulting Engineers	9	67%	91,7%	8	3	1	0			1	0	16,9%			
Energy sector	10	75%	100,0%	6	2	0	0			0	0	10,4%			
Other	11	29%	82,4%	5	9	1	2			1	0	23,4%			
Total		58%	80,3%	41	16	8	6			4	2	77			
Sector															
Crossed with: Flicker															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	75,0%	4	2	1	1			3	0	13,9%			
Luminaire manufacturing	2	53%	70,6%	9	3	4	1			0	0	21,5%			
Building owner consultant	3	33%	50,0%	2	1	3	0			0	0	7,6%			
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%			
Municipality	6	29%	35,7%	4	1	7	2			1	0	19,0%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,8%			
Lighting designers	8	64%	77,3%	14	3	2	3			1	1	30,4%			
Consulting Engineers	9	58%	75,0%	7	2	3	0			1	0	16,5%			
Energy sector	10	38%	50,0%	3	1	3	1			0	0	10,1%			
Other	11	33%	88,9%	6	10	0	2			2	0	25,3%			
Total		45%	71,0%	31	18	14	6			9	1	79			
Sector															
Crossed with: Evaluation of light sources															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	75,0%	4	2	1	1			3	0	13,9%			
Luminaire manufacturing	2	59%	76,5%	10	3	2	2			0	0	21,5%			
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	7,6%			
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	31%	62,5%	5	5	3	3			0	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	64%	77,3%	14	3	2	3			1	1	30,4%			
Consulting Engineers	9	58%	91,7%	7	4	1	0			1	0	16,5%			
Energy sector	10	63%	87,5%	5	2	1	0			0	0	10,1%			
Other	11	33%	72,2%	6	7	3	2			1	0	24,1%			
Total		49%	76,1%	35	19	11	6			7	1	79			

Sector															
Crossed with: Calibration of measuring equipment															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	0%	25,0%	0	2	4	2			3	0	13,9%			
Luminaire manufacturing	2	6%	35,3%	1	5	8	3			0	0	21,5%			
Building owner consultant	3	20%	40,0%	1	1	2	1			1	0	7,6%			
Daylight advisers	4	0%	50,0%	0	2	2	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,5%			
Municipality	6	0%	20,0%	0	3	4	8			1	0	20,3%			
Landscape Architects	7	0%	0,0%	0	0	2	0			1	0	3,8%			
Lighting designers	8	14%	27,3%	3	3	9	7			1	0	29,1%			
Consulting Engineers	9	9%	36,4%	1	3	5	2			2	0	16,5%			
Energy sector	10	25%	50,0%	2	2	2	2			0	0	10,1%			
Other	11	6%	41,2%	1	6	6	4			2	0	24,1%			
Total		9%	36,2%	6	19	26	18			10	0	79			

Sector															
Crossed with: The use of light measuring instruments															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	55,6%	3	2	3	1			2	0	13,9%			
Luminaire manufacturing	2	12%	52,9%	2	7	6	2			0	0	21,5%			
Building owner consultant	3	20%	60,0%	1	2	1	1			1	0	7,6%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,5%			
Municipality	6	0%	20,0%	0	3	4	8			1	0	20,3%			
Landscape Architects	7	0%	50,0%	0	1	1	0			1	0	3,8%			
Lighting designers	8	36%	54,5%	8	4	5	5			2	0	30,4%			
Consulting Engineers	9	27%	54,5%	3	3	3	2			2	0	16,5%			
Energy sector	10	25%	50,0%	2	2	4	0			0	0	10,1%			
Other	11	24%	52,9%	4	5	5	3			2	0	24,1%			
Total		23%	53,6%	16	21	20	12			10	0	79			

Sector															
Crossed with: Light measuring methods															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	30%	50,0%	3	2	4	1			1	0	13,8%			
Luminaire manufacturing	2	18%	70,6%	3	9	3	2			0	0	21,3%			
Building owner consultant	3	17%	83,3%	1	4	1	0			0	0	7,5%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	0%	50,0%	0	1	1	0			0	0	2,5%			
Municipality	6	0%	26,7%	0	4	4	7			1	0	20,0%			
Landscape Architects	7	0%	66,7%	0	2	1	0			0	0	3,8%			
Lighting designers	8	35%	56,5%	8	5	6	4			1	0	30,0%			
Consulting Engineers	9	25%	75,0%	3	6	2	1			1	0	16,3%			
Energy sector	10	38%	75,0%	3	3	2	0			0	0	10,0%			
Other	11	28%	55,6%	5	5	5	3			2	0	25,0%			
Total		26%	60,3%	19	25	19	10			7	0	80			

Sector															
Crossed with: Biometric data collection															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	25%	50,0%	2	2	3	1			3	0	13,9%			
Luminaire manufacturing	2	6%	50,0%	1	7	2	6			1	0	21,5%			
Building owner consultant	3	20%	80,0%	1	3	0	1			1	0	7,6%			
Daylight advisers	4	33%	100,0%	1	2	0	0			2	0	6,3%			
Sales	5	0%	50,0%	0	1	0	1			0	0	2,5%			
Municipality	6	0%	7,1%	0	1	2	11			2	0	20,3%			
Landscape Architects	7	0%	50,0%	0	1	1	0			1	0	3,8%			
Lighting designers	8	22%	44,4%	4	4	0	10			5	0	29,1%			
Consulting Engineers	9	14%	28,6%	1	1	2	3			5	0	15,2%			
Energy sector	10	25%	50,0%	2	2	1	3			0	0	10,1%			
Other	11	27%	40,0%	4	2	5	4			5	0	25,3%			
Total		17%	38,3%	10	13	12	25			19	0	79			

Sector															
Crossed with: Evaluation of luminaires															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	75,0%	4	2	1	1			3	0	13,9%			
Luminaire manufacturing	2	71%	94,1%	12	4	1	0			0	0	21,5%			
Building owner consultant	3	33%	83,3%	2	3	1	0			0	0	7,6%			
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%			
Sales	5	100%	100,0%	2	0	0	0			0	0	2,5%			
Municipality	6	40%	60,0%	6	3	2	4			1	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	57%	82,6%	13	6	1	3			1	0	30,4%			
Consulting Engineers	9	67%	91,7%	8	3	1	0			1	0	16,5%			
Energy sector	10	38%	87,5%	3	4	0	1			0	0	10,1%			
Other	11	29%	70,6%	5	7	2	3			2	0	24,1%			
Total		46%	78,6%	32	23	6	9			9	0	79			

Sector															
Crossed with: Spectral distribution															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	38%	62,5%	3	2	2	1			3	0	13,9%			
Luminaire manufacturing	2	53%	82,4%	9	5	2	1			0	0	21,5%			
Building owner consultant	3	17%	50,0%	1	2	2	1			0	0	7,6%			
Daylight advisers	4	100%	100,0%	4	0	0	0			0	1	6,3%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%			
Municipality	6	13%	46,7%	2	5	4	4			1	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,8%			
Lighting designers	8	39%	73,9%	9	8	4	2			1	0	30,4%			
Consulting Engineers	9	25%	66,7%	3	5	3	1			1	0	16,5%			
Energy sector	10	25%	50,0%	2	2	4	0			0	0	10,1%			
Other	11	35%	76,5%	6	7	2	2			2	0	24,1%			
Total		36%	68,6%	25	23	14	8			8	1	79			

Sector															
Crossed with: Diffusion of light															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	55,6%	3	2	3	1			2	0	14,1%			
Luminaire manufacturing	2	47%	94,1%	8	8	1	0			0	0	21,8%			
Building owner consultant	3	0%	40,0%	0	2	2	1			0	0	6,4%			
Daylight advisers	4	67%	100,0%	2	1	0	0			0	1	5,1%			
Sales	5	0%	0,0%	0	0	1	0			0	0	1,3%			
Municipality	6	13%	60,0%	2	7	4	2			1	0	20,5%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,8%			
Lighting designers	8	33%	61,9%	7	6	6	2			1	1	29,5%			
Consulting Engineers	9	10%	60,0%	1	5	2	2			2	0	15,4%			
Energy sector	10	25%	62,5%	2	3	3	0			0	0	10,3%			
Other	11	24%	52,9%	4	5	6	2			2	0	24,4%			
Total		31%	61,8%	21	21	19	7			8	2	78			

Sector															
Crossed with: Transmission of light															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	44%	55,6%	4	1	3	1			2	0	14,1%			
Luminaire manufacturing	2	35%	76,5%	6	7	3	1			0	0	21,8%			
Building owner consultant	3	0%	40,0%	0	2	2	1			0	0	6,4%			
Daylight advisers	4	67%	100,0%	2	1	0	0			0	1	5,1%			
Sales	5	0%	0,0%	0	0	1	0			0	0	1,3%			
Municipality	6	14%	42,9%	2	4	4	4			2	0	20,5%			
Landscape Architects	7	0%	33,3%	0	1	1	1			0	0	3,8%			
Lighting designers	8	37%	68,4%	7	6	3	3			3	1	29,5%			
Consulting Engineers	9	25%	58,3%	3	4	3	2			0	0	15,4%			
Energy sector	10	25%	62,5%	2	3	2	1			0	0	10,3%			
Other	11	25%	62,5%	4	6	4	2			3	0	24,4%			
Total		30%	59,7%	20	20	17	10			9	2	78			

Sector															
Crossed with: Reflection of light															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	70,0%	5	2	2	1			1	0	13,9%			
Luminaire manufacturing	2	41%	82,4%	7	7	3	0			0	0	21,5%			
Building owner consultant	3	17%	50,0%	1	2	2	1			0	0	7,6%			
Daylight advisers	4	75%	100,0%	3	1	0	0			0	1	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	27%	53,3%	4	4	4	3			1	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	43%	76,2%	9	7	2	3			2	1	30,4%			
Consulting Engineers	9	25%	58,3%	3	4	4	1			1	0	16,5%			
Energy sector	10	50%	87,5%	4	3	1	0			0	0	10,1%			
Other	11	25%	68,8%	4	7	2	3			3	0	24,1%			
Total		39%	70,0%	27	22	13	8			7	2	79			

Sector															
Crossed with: Refraction of light															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	33%	55,6%	3	2	3	1			2	0	13,8%			
Luminaire manufacturing	2	24%	76,5%	4	9	4	0			0	0	21,3%			
Building owner consultant	3	20%	40,0%	1	1	2	1			1	0	7,5%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	50%	50,0%	1	0	1	0			0	0	2,5%			
Municipality	6	0%	53,3%	0	8	3	4			1	0	20,0%			
Landscape Architects	7	0%	50,0%	0	1	1	0			1	0	3,8%			
Lighting designers	8	35%	65,0%	7	6	4	3			3	1	30,0%			
Consulting Engineers	9	17%	66,7%	2	6	3	1			1	0	16,3%			
Energy sector	10	25%	50,0%	2	2	2	2			0	0	10,0%			
Other	11	13%	56,3%	2	7	6	1			4	0	25,0%			
Total		22%	60,3%	15	26	18	9			11	1	80			

Sector															
Crossed with: Photonics															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	38%	37,5%	3	0	4	1			3	0	13,9%			
Luminaire manufacturing	2	13%	56,3%	2	7	6	1			1	0	21,5%			
Building owner consultant	3	20%	40,0%	1	1	1	2			0	0	6,3%			
Daylight advisers	4	75%	100,0%	3	1	0	0			1	0	6,3%			
Sales	5	50%	50,0%	1	0	0	1			0	0	2,5%			
Municipality	6	0%	15,4%	0	2	8	3			3	0	20,3%			
Landscape Architects	7	0%	0,0%	0	0	2	0			0	0	2,5%			
Lighting designers	8	21%	36,8%	4	3	2	10			5	0	30,4%			
Consulting Engineers	9	14%	28,6%	1	1	2	3			5	0	15,2%			
Energy sector	10	14%	42,9%	1	2	2	2			1	0	10,1%			
Other	11	0%	47,1%	0	8	6	3			3	0	25,3%			
Total		13%	42,6%	8	18	19	16			18	0	79			

Sector															
Crossed with: Photometry															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	38%	37,5%	3	0	3	2			3	0	14,1%			
Luminaire manufacturing	2	7%	53,3%	1	7	6	1			1	0	20,5%			
Building owner consultant	3	20%	40,0%	1	1	1	2			1	0	7,7%			
Daylight advisers	4	75%	100,0%	3	1	0	0			0	0	5,1%			
Sales	5	50%	50,0%	1	0	0	1			0	0	2,6%			
Municipality	6	0%	13,3%	0	2	8	5			1	0	20,5%			
Landscape Architects	7	0%	0,0%	0	0	1	1			1	0	3,8%			
Lighting designers	8	25%	45,0%	5	4	3	8			4	0	30,8%			
Consulting Engineers	9	11%	22,2%	1	1	3	4			4	0	16,7%			
Energy sector	10	14%	42,9%	1	2	2	2			1	0	10,3%			
Other	11	6%	43,8%	1	6	5	4			4	0	25,6%			
Total		14%	39,7%	9	16	21	17			15	0	78			

Sector															
Crossed with: Light calculation															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	62,5%	4	1	2	1			3	0	13,9%			
Luminaire manufacturing	2	94%	94,1%	16	0	1	0			0	0	21,5%			
Building owner consultant	3	67%	100,0%	4	2	0	0			0	0	7,6%			
Daylight advisers	4	100%	100,0%	3	0	0	0			1	0	5,1%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%			
Municipality	6	53%	60,0%	8	1	3	3			1	0	20,3%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,8%			
Lighting designers	8	64%	81,8%	14	4	2	2			1	0	29,1%			
Consulting Engineers	9	73%	100,0%	8	3	0	0			1	0	15,2%			
Energy sector	10	63%	87,5%	5	2	1	0			0	0	10,1%			
Other	11	32%	68,4%	6	7	5	1			1	0	25,3%			
Total		55%	76,1%	39	15	12	5			8	0	79			
Sector															
Crossed with: Light sources - aging and degradation															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	38%	62,5%	3	2	2	1			3	0	13,9%			
Luminaire manufacturing	2	41%	82,4%	7	7	3	0			0	0	21,5%			
Building owner consultant	3	17%	50,0%	1	2	2	1			0	0	7,6%			
Daylight advisers	4	100%	100,0%	4	0	0	0			0	1	6,3%			
Sales	5	50%	50,0%	1	0	0	1			0	0	2,5%			
Municipality	6	13%	62,5%	2	8	4	2			0	0	20,3%			
Landscape Architects	7	0%	33,3%	0	1	2	0			0	0	3,8%			
Lighting designers	8	46%	75,0%	11	7	2	4			0	0	30,4%			
Consulting Engineers	9	42%	66,7%	5	3	3	1			1	0	16,5%			
Energy sector	10	63%	100,0%	5	3	0	0			0	0	10,1%			
Other	11	18%	52,9%	3	6	5	3			2	0	24,1%			
Total		36%	66,7%	26	22	16	8			6	1	79			
Sector															
Crossed with: Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)															
		HIGH	SOME	To high degree	To some dregree	To lesser dregree	Not at all			Don't know	Comment	Total			
Architects	1	50%	50,0%	5	0	4	1			1	0	13,8%			
Luminaire manufacturing	2	76%	94,1%	13	3	1	0			0	0	21,3%			
Building owner consultant	3	67%	100,0%	4	2	0	0			0	0	7,5%			
Daylight advisers	4	100%	100,0%	4	0	0	0			1	0	6,3%			
Sales	5	50%	100,0%	1	1	0	0			0	0	2,5%			
Municipality	6	54%	69,2%	7	2	1	3			3	0	20,0%			
Landscape Architects	7	33%	66,7%	1	1	1	0			0	0	3,8%			
Lighting designers	8	68%	81,8%	15	3	1	3			2	0	30,0%			
Consulting Engineers	9	67%	100,0%	8	4	0	0			1	0	16,3%			
Energy sector	10	75%	75,0%	6	0	2	0			0	0	10,0%			
Other	11	33%	66,7%	5	5	2	3			5	0	25,0%			
Total		57%	75,0%	39	12	9	8			12	0	80			

APPENDIX A
SUPPLY - EDUCATIONAL LEVEL DISTRIBUTION

Level of Education
Crossed with: 1.1 Light culture and traditions

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	11%	27%	5	7	13	20	0	0	52,3%
University - bachelor (BA)	2	20%	33%	3	2	3	7	1	0	18,6%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,8%
Profession	4	13%	44%	2	5	6	3	0	0	18,6%
Other	5	29%	43%	2	1	1	3	0	0	8,1%
Total		14%	32%	12	15	23	35	1	0	86

Level of Education
Crossed with: 1.2 Art - with the use of light

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	2%	11%	1	4	14	26	0	0	51,7%
University - bachelor (BA)	2	13%	25%	2	2	3	9	0	0	18,4%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,7%
Profession	4	6%	12%	1	1	5	10	0	0	19,5%
Other	5	14%	29%	1	1	2	3	0	0	8,0%
Total		6%	15%	5	8	24	50	0	0	87

Level of Education
Crossed with: 1.3 Architectural lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	27%	32%	12	2	11	19	1	0	51,7%
University - bachelor (BA)	2	13%	31%	2	3	2	9	0	0	18,4%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,7%
Profession	4	6%	35%	1	5	4	7	0	0	19,5%
Other	5	29%	43%	2	1	2	2	0	0	8,0%
Total		19%	31%	16	11	19	40	1	0	87

Level of Education
Crossed with: 1.4 Landscape Planning and light

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	12%	30%	5	8	8	22	2	0	52,3%
University - bachelor (BA)	2	0%	6%	0	1	3	12	0	0	18,6%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	5,8%
Profession	4	0%	6%	0	1	5	10	0	0	18,6%
Other	5	17%	33%	1	1	2	2	1	0	8,1%
Total		7%	20%	6	11	18	48	3	0	86

Level of Education
Crossed with: 1.5 Communication - with the use of light

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	28%	4	7	6	23	2	1	51,2%
University - bachelor (BA)	2	38%	44%	6	1	1	8	0	0	19,0%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,0%
Profession	4	13%	38%	2	4	3	7	0	0	19,0%
Other	5	29%	29%	2	0	4	1	0	0	8,3%
Total		17%	32%	14	12	14	41	2	1	84

Level of Education
Crossed with: 1.6 Visual perception

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	30%	53%	12	9	8	11	3	1	52,4%
University - bachelor (BA)	2	33%	42%	4	1	2	5	3	1	19,0%
Professional bachelor (PBA)	3	0%	50%	0	2	0	2	1	0	6,0%
Profession	4	0%	33%	0	4	2	6	3	0	17,9%
Other	5	50%	83%	3	2	0	1	1	0	8,3%
Total		26%	50%	19	17	12	24	10	2	84

Level of Education
Crossed with: 1.7 Atmosphere - including the use of lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	23%	43%	10	9	11	14	1	0	52,3%
University - bachelor (BA)	2	38%	44%	6	1	1	8	0	0	18,6%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,8%
Profession	4	20%	67%	3	7	5	0	1	0	18,6%
Other	5	43%	71%	3	2	0	2	0	0	8,1%
Total		26%	49%	22	19	17	26	2	0	86

Level of Education
Crossed with: 1.8 Materials and its lighting properties

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	26%	60%	11	15	9	8	0	0	50,6%
University - bachelor (BA)	2	31%	44%	5	2	5	4	0	0	18,8%
Professional bachelor (PBA)	3	0%	25%	0	1	2	1	1	0	5,9%
Profession	4	38%	81%	6	7	2	1	1	0	20,0%
Other	5	80%	80%	4	0	0	1	1	1	8,2%
Total		30%	61%	25	25	17	15	2	1	85

Level of Education
Crossed with: 1.9 Aesthetics - in relation to the light / lighting / lamps

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	19%	38%	8	8	7	19	3	0	51,7%
University - bachelor (BA)	2	25%	38%	4	2	2	8	0	0	18,4%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	5,7%
Profession	4	18%	59%	3	7	4	3	0	0	19,5%
Other	5	33%	67%	2	2	1	1	1	0	8,0%
Total		20%	43%	17	19	14	33	4	0	87

Level of Education
Crossed with: 1.10 Sensory experiences - including the use of lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	13%	31%	5	7	8	19	6	0	51,7%
University - bachelor (BA)	2	7%	7%	1	0	5	8	2	0	18,4%
Professional bachelor (PBA)	3	0%	40%	0	2	0	3	0	0	5,7%
Profession	4	7%	27%	1	3	6	5	1	1	19,5%
Other	5	29%	57%	2	2	1	2	0	0	8,0%
Total		12%	30%	9	14	20	34	9	1	87

Level of Education
Crossed with: 1.11 Shadow and form drawing

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	16%	30%	7	6	8	22	2	0	51,7%
University - bachelor (BA)	2	33%	40%	5	1	2	7	0	1	18,4%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	5,7%
Profession	4	0%	24%	0	4	5	8	0	0	19,5%
Other	5	57%	71%	4	1	1	1	0	0	8,0%
Total		19%	33%	16	12	17	39	2	1	87

Level of Education
Crossed with: 2.1 Biological lighting

		HIGH	SOME	gh degree	ne degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	18%	4	3	7	26	3	2	51,7%
University - bachelor (BA)	2	0%	7%	0	1	3	11	1	0	18,4%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	5,7%
Profession	4	0%	6%	0	1	3	12	1	0	19,5%
Other	5	17%	50%	1	2	1	2	1	0	8,0%
Total		6%	15%	5	7	14	53	6	2	87

Level of Education
Crossed with: 2.2 Light and circadian rhythm

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	17%	38%	7	9	9	17	1	2	51,7%
University - bachelor (BA)	2	0%	33%	0	5	1	9	0	1	18,4%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	5,7%
Profession	4	0%	29%	0	5	6	6	0	0	19,5%
Other	5	43%	57%	3	1	1	2	0	0	8,0%
Total		12%	37%	10	21	16	37	1	2	87

Level of Education
Crossed with: 2.3 Human centric lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	19%	3	4	7	23	6	1	51,2%
University - bachelor (BA)	2	0%	13%	0	2	2	11	1	0	18,6%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,8%
Profession	4	0%	13%	0	2	0	13	2	0	19,8%
Other	5	43%	57%	3	1	1	2	0	0	8,1%

Total		8%	20%	6	9	9	52		9	1	86

Level of Education

Crossed with: 2.4 Effects of visible light on humans

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	39%	8	8	12	13	2	0	50,6%
University - bachelor (BA)	2	13%	25%	2	2	1	11	0	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	2	2	1	0	5,9%
Profession	4	0%	14%	0	2	5	7	2	1	20,0%
Other	5	17%	83%	1	4	0	1	1	0	8,2%
Total		14%	34%	11	16	19	33	5	1	85

Level of Education

Crossed with: 2.5 Effects of non-visible light on humans

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	15%	28%	6	5	5	23	5	0	51,8%
University - bachelor (BA)	2	7%	13%	1	1	1	12	0	1	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	1	2	2	0	5,9%
Profession	4	0%	0%	0	0	5	7	2	2	18,8%
Other	5	33%	50%	2	1	2	1	1	0	8,2%
Total		12%	22%	9	7	14	43	9	3	85

Level of Education

Crossed with: 2.6 Optometry

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	9%	26%	3	6	9	16	11	0	52,9%
University - bachelor (BA)	2	0%	0%	0	0	2	13	1	0	18,8%
Professional bachelor (PBA)	3	50%	50%	2	0	0	2	1	0	5,9%
Profession	4	0%	0%	0	0	2	11	2	0	17,6%
Other	5	14%	14%	1	0	3	3	0	0	8,2%
Total		9%	17%	6	6	15	43	15	0	85

Level of Education

Crossed with: 2.7 Light in medical technology

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	22%	4	5	12	20	3	0	51,8%
University - bachelor (BA)	2	6%	6%	1	0	1	14	0	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	5,9%
Profession	4	0%	0%	0	0	1	15	0	0	18,8%
Other	5	0%	14%	0	1	2	4	0	0	8,2%
Total		6%	13%	5	6	17	54	3	0	85

Level of Education

Crossed with: 2.8 Visual ergonomics

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	26%	4	6	8	21	6	0	52,3%
University - bachelor (BA)	2	0%	6%	0	1	2	13	0	0	18,6%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	5,8%
Profession	4	7%	20%	1	2	5	7	1	0	18,6%
Other	5	29%	57%	2	2	1	2	0	0	8,1%
Total		9%	25%	7	13	16	43	7	0	86

Level of Education

Crossed with: 2.9 The eye's anatomy and physiology

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	9%	29%	4	9	10	22	0	0	52,3%
University - bachelor (BA)	2	7%	27%	1	3	4	7	0	0	17,4%
Professional bachelor (PBA)	3	40%	40%	2	0	0	3	0	0	5,8%
Profession	4	6%	18%	1	2	9	5	0	0	19,8%
Other	5	29%	43%	2	1	2	2	0	0	8,1%
Total		12%	29%	10	15	24	37	0	0	86

Level of Education

Crossed with: 2.10 Working environment and lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	24%	40%	10	7	11	14	2	1	51,7%
University - bachelor (BA)	2	6%	13%	1	1	5	9	0	0	18,4%
Professional bachelor (PBA)	3	0%	40%	0	2	3	0	0	0	5,7%
Profession	4	47%	82%	8	6	2	1	0	0	19,5%
Other	5	57%	86%	4	2	0	1	0	0	8,0%
Total		26%	46%	22	17	21	24	2	1	87

Level of Education

Crossed with: 3.1 Sensor technology

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	40%	9	9	9	18	0	0	52,9%
University - bachelor (BA)	2	6%	25%	1	3	4	8	0	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	5,9%
Profession	4	21%	57%	3	5	2	4	1	0	17,6%
Other	5	14%	29%	1	1	4	1	0	0	8,2%
Total		17%	37%	14	17	19	34	1	0	85

Level of Education

Crossed with: 3.2 Optics and lenses (Filters, optical mirrors, prisms, foils etc.)

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	23%	40%	10	7	11	15	1	0	52,4%
University - bachelor (BA)	2	33%	47%	5	2	1	7	0	0	17,9%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,0%
Profession	4	13%	20%	2	1	5	7	0	0	17,9%
Other	5	43%	71%	3	2	0	2	0	0	8,3%
Total		24%	41%	20	14	18	31	1	0	84

Level of Education

Crossed with: 3.3 Light source development

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	5%	27%	2	9	12	18	2	0	51,8%
University - bachelor (BA)	2	19%	31%	3	2	2	9	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	2	2	1	0	6,0%
Profession	4	27%	67%	4	6	3	2	0	0	18,1%
Other	5	17%	33%	1	1	3	1	1	0	8,4%
Total		13%	35%	10	18	21	31	3	0	83

Level of Education

Crossed with: 3.4 Light source manufacturing

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	5%	18%	2	6	9	27	1	0	53,6%
University - bachelor (BA)	2	0%	6%	0	1	2	13	0	0	19,0%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,0%
Profession	4	7%	29%	1	3	5	5	0	0	16,7%
Other	5	17%	33%	1	1	1	3	1	0	8,3%
Total		5%	18%	4	11	17	50	2	0	84

Level of Education

Crossed with: 3.5 Luminaire design

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	7%	21%	3	6	11	23	1	0	52,4%
University - bachelor (BA)	2	6%	13%	1	1	4	10	0	0	19,0%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,0%
Profession	4	13%	47%	2	5	4	4	0	0	17,9%
Other	5	33%	50%	2	1	2	1	0	1	8,3%
Total		10%	26%	8	13	20	41	1	1	84

Level of Education

Crossed with: 3.6 Luminaire manufacturing

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	2%	11%	1	4	6	33	1	0	52,9%
University - bachelor (BA)	2	0%	0%	0	0	0	16	0	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	5,9%
Profession	4	0%	7%	0	1	6	8	0	0	17,6%
Other	5	0%	33%	0	2	2	2	0	1	8,2%
Total		1%	10%	1	7	14	61	1	1	85

Level of Education

Crossed with: 3.7 Wireless lighting

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	14%	0	6	7	30	1	1	52,9%
University - bachelor (BA)	2	0%	13%	0	2	2	11	1	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	5,9%

Profession	4	8%	33%	1	3	5	3		3	0	17,6%
Other	5	0%	0%	0	0	3	4		0	0	8,2%
Total		1%	15%	1	11	18	49		5	1	85

Level of Education

Crossed with: 3.8 Interface for lighting control

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	7%	21%	3	6	15	18	2	0	53,0%
University - bachelor (BA)	2	13%	19%	2	1	4	9	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,0%
Profession	4	43%	64%	6	3	1	4	0	0	16,9%
Other	5	0%	29%	0	2	3	2	0	0	8,4%
Total		14%	28%	11	12	22	36	2	0	83

Level of Education

Crossed with: 4.1 Energy consumption

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	31%	58%	14	12	11	8	0	0	52,9%
University - bachelor (BA)	2	19%	44%	3	4	3	6	0	0	18,8%
Professional bachelor (PBA)	3	20%	60%	1	2	0	2	0	0	5,9%
Profession	4	60%	87%	9	4	2	0	0	0	17,6%
Other	5	14%	57%	1	3	3	0	0	0	8,2%
Total		32%	59%	27	23	19	16	0	0	85

Level of Education

Crossed with: 4.2 Solar energy

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	33%	56%	15	10	7	13	0	0	52,9%
University - bachelor (BA)	2	6%	19%	1	2	5	8	0	0	18,8%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	5,9%
Profession	4	33%	53%	5	3	6	1	0	0	17,6%
Other	5	17%	33%	1	1	1	3	0	1	8,2%
Total		25%	44%	21	16	20	27	0	1	85

Level of Education

Crossed with: 4.3 Power system design

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	7%	22%	3	7	13	22	0	0	52,9%
University - bachelor (BA)	2	0%	19%	0	3	5	8	0	0	18,8%
Professional bachelor (PBA)	3	20%	20%	1	0	2	2	0	0	5,9%
Profession	4	93%	93%	14	0	1	0	0	0	17,6%
Other	5	0%	0%	0	0	2	5	0	0	8,2%
Total		21%	32%	18	9	22	36	0	0	85

Level of Education

Crossed with: 4.4 Power Systems and Building Construction

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	11%	20%	5	4	7	29	0	0	52,9%
University - bachelor (BA)	2	6%	13%	1	1	2	12	0	0	18,8%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	5,9%
Profession	4	60%	87%	9	4	1	1	0	0	17,6%
Other	5	0%	14%	0	1	2	4	0	0	8,2%
Total		18%	31%	15	11	13	46	0	0	85

Level of Education

Crossed with: 4.5 Building Integrated energy production

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	18%	34%	8	7	5	24	0	0	52,4%
University - bachelor (BA)	2	6%	13%	1	1	2	12	0	0	19,0%
Professional bachelor (PBA)	3	0%	40%	0	2	0	3	0	0	6,0%
Profession	4	7%	36%	1	4	6	3	1	0	17,9%
Other	5	14%	29%	1	1	1	4	0	0	8,3%
Total		12%	28%	10	13	14	46	1	0	84

Level of Education

Crossed with: 4.6 Introduction to energy classes

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	10%	33%	4	10	3	25	1	0	51,8%
University - bachelor (BA)	2	0%	6%	0	1	4	11	0	0	19,3%
Professional bachelor (PBA)	3	0%	40%	0	2	0	3	0	0	6,0%
Profession	4	27%	47%	4	3	5	3	0	0	18,1%
Other	5	17%	33%	1	1	2	2	0	1	8,4%
Total		11%	30%	9	15	14	43	1	1	83

Level of Education

Crossed with: 4.7 Energy friendly light sources

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	16%	39%	7	10	12	15	1	0	52,9%
University - bachelor (BA)	2	13%	19%	2	1	4	9	0	0	18,8%
Professional bachelor (PBA)	3	0%	40%	0	2	0	3	0	0	5,9%
Profession	4	60%	80%	9	3	3	0	0	0	17,6%
Other	5	29%	43%	2	1	2	2	0	0	8,2%
Total		23%	42%	19	16	21	28	1	0	85

Level of Education

Crossed with: 4.8 Energy renovation (including lighting)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	13%	28%	5	6	8	21	4	0	52,4%
University - bachelor (BA)	2	6%	6%	1	0	3	12	0	0	19,0%
Professional bachelor (PBA)	3	25%	25%	1	0	1	2	1	0	6,0%
Profession	4	38%	62%	5	3	2	3	1	1	17,9%
Other	5	17%	17%	1	0	2	3	1	0	8,3%
Total		16%	27%	12	9	16	40	6	1	84

Level of Education

Crossed with: 5.1 Light strategies

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	18%	33%	7	6	7	20	3	0	51,8%
University - bachelor (BA)	2	13%	31%	2	3	1	10	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,0%
Profession	4	7%	29%	1	3	4	6	1	0	18,1%
Other	5	33%	67%	2	2	1	1	1	0	8,4%
Total		15%	32%	12	13	13	40	5	0	83

Level of Education

Crossed with: 5.2 Lighting masterplans

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	20%	3	5	4	28	3	0	52,4%
University - bachelor (BA)	2	6%	6%	1	0	2	13	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,1%
Profession	4	8%	15%	1	1	1	10	2	0	18,3%
Other	5	20%	40%	1	1	1	2	1	0	7,3%
Total		8%	17%	6	7	7	56	6	0	82

Level of Education

Crossed with: 5.3 Light planning

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	30%	4	8	8	20	2	0	51,2%
University - bachelor (BA)	2	19%	31%	3	2	3	8	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,1%
Profession	4	14%	21%	2	1	7	4	0	1	18,3%
Other	5	29%	43%	2	1	3	1	0	0	8,5%
Total		14%	28%	11	11	21	36	2	1	82

Level of Education

Crossed with: 5.4 Economy (for light planning / energy consumption / construction costs etc.)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	3%	13%	1	4	8	27	3	0	51,8%
University - bachelor (BA)	2	6%	6%	1	0	3	12	0	0	19,3%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,0%
Profession	4	21%	57%	3	5	4	2	0	1	18,1%
Other	5	0%	29%	0	2	3	2	0	0	8,4%
Total		6%	22%	5	12	19	43	3	1	83

Level of Education

Crossed with: 5.5 Lighting legislation

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	5%	29%	2	10	11	18	1	0	51,9%

University - bachelor (BA)	2	0%	13%	0	2	2	11		0	0	18,5%
Professional bachelor (PBA)	3	0%	0%	0	0	3	2		0	0	6,2%
Profession	4	50%	64%	7	2	3	2		0	0	17,3%
Other	5	14%	43%	1	2	3	1		0	0	8,6%
Total		13%	31%	10	15	21	34		1	0	81

Level of Education

Crossed with: 5.6 Urban design and lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	12%	27%	5	6	8	22	2	0	53,1%
University - bachelor (BA)	2	0%	13%	0	2	1	12	0	0	18,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,2%
Profession	4	0%	0%	0	0	5	9	0	0	17,3%
Other	5	29%	43%	2	1	0	4	0	0	8,6%
Total		9%	20%	7	9	14	49	2	0	81

Level of Education

Crossed with: 5.7 Technical descriptions (including lighting)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	25%	3	7	15	15	2	0	51,2%
University - bachelor (BA)	2	27%	33%	4	1	6	4	1	0	19,5%
Professional bachelor (PBA)	3	20%	40%	1	1	1	2	0	0	6,1%
Profession	4	33%	60%	5	4	3	3	0	0	18,3%
Other	5	29%	43%	2	1	1	3	0	0	8,5%
Total		19%	35%	15	13	25	27	2	0	82

Level of Education

Crossed with: 5.8 Tender specifications (including lighting)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	8%	29%	3	8	9	18	3	1	51,2%
University - bachelor (BA)	2	7%	20%	1	2	3	9	1	0	19,5%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,1%
Profession	4	20%	53%	3	5	3	4	0	0	18,3%
Other	5	14%	57%	1	3	0	3	0	0	8,5%
Total		10%	35%	8	19	15	36	3	1	82

Level of Education

Crossed with: 5.9 Light signals

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	3%	8%	1	2	6	29	5	0	51,8%
University - bachelor (BA)	2	0%	6%	0	1	2	13	0	0	19,3%
Professional bachelor (PBA)	3	0%	25%	0	1	0	3	1	0	6,0%
Profession	4	7%	7%	1	0	2	12	0	0	18,1%
Other	5	0%	0%	0	0	1	5	1	0	8,4%
Total		3%	8%	2	4	11	60	6	0	83

Level of Education

Crossed with: 5.10 Traffic lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	3%	3%	1	0	5	34	2	0	51,9%
University - bachelor (BA)	2	0%	0%	0	0	0	15	0	0	18,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,2%
Profession	4	0%	0%	0	0	3	12	0	0	18,5%
Other	5	0%	0%	0	0	1	6	0	0	8,6%
Total		1%	1%	1	0	9	69	2	0	81

Level of Education

Crossed with: 5.11 Public lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	18%	28%	7	4	7	21	2	0	50,6%
University - bachelor (BA)	2	0%	13%	0	2	1	13	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,2%
Profession	4	7%	29%	1	3	6	4	0	1	18,5%
Other	5	29%	57%	2	2	1	2	0	0	8,6%
Total		13%	27%	10	11	16	41	2	1	81

Level of Education

Crossed with: 5.12 Light pollution

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	25%	4	6	9	21	2	1	51,8%
University - bachelor (BA)	2	6%	13%	1	1	3	11	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	1	3	1	0	6,0%
Profession	4	0%	14%	0	2	6	6	0	1	18,1%
Other	5	17%	50%	1	2	0	3	1	0	8,4%
Total		8%	22%	6	11	19	42	3	2	83

Level of Education

Crossed with: 5.13 Safety lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	15%	0	6	7	27	2	0	51,2%
University - bachelor (BA)	2	0%	0%	0	0	4	12	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,1%
Profession	4	20%	33%	3	2	7	3	0	0	18,3%
Other	5	14%	29%	1	1	2	3	0	0	8,5%
Total		5%	16%	4	9	20	47	2	0	82

Level of Education

Crossed with: 5.14 Panic lighting / escape lighting / emergency lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	15%	0	6	4	30	3	0	51,8%
University - bachelor (BA)	2	6%	13%	1	1	3	11	0	0	19,3%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,0%
Profession	4	20%	53%	3	5	5	2	0	0	18,1%
Other	5	0%	14%	0	1	3	3	0	0	8,4%
Total		5%	21%	4	13	15	48	3	0	83

Level of Education

Crossed with: 5.15 Working environment and lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	25%	35%	10	4	9	17	2	1	52,4%
University - bachelor (BA)	2	7%	27%	1	3	2	9	0	0	18,3%
Professional bachelor (PBA)	3	0%	20%	0	1	4	0	0	0	6,1%
Profession	4	27%	67%	4	6	4	1	0	0	18,3%
Other	5	43%	86%	3	3	0	1	0	0	8,5%
Total		22%	42%	17	16	19	27	2	1	82

Level of Education

Crossed with: 5.16 Landscape planning and light

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	12%	20%	5	3	8	25	2	0	52,4%
University - bachelor (BA)	2	0%	6%	0	1	1	14	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,1%
Profession	4	0%	7%	0	1	2	11	0	0	17,1%
Other	5	14%	43%	1	2	0	4	0	0	8,5%
Total		8%	16%	6	7	11	56	2	0	82

Level of Education

Crossed with: 5.17 Lighting concept development

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	15%	18%	6	1	8	25	2	1	51,8%
University - bachelor (BA)	2	19%	25%	3	1	2	10	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,0%
Profession	4	0%	0%	0	0	3	11	0	1	18,1%
Other	5	33%	50%	2	1	1	2	1	0	8,4%
Total		14%	18%	11	3	14	50	3	2	83

Level of Education

Crossed with: 5.18 Luminous signs

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	2%	2%	1	0	9	31	2	0	51,8%
University - bachelor (BA)	2	0%	6%	0	1	1	14	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,0%
Profession	4	0%	7%	0	1	4	10	0	0	18,1%
Other	5	0%	14%	0	1	3	3	0	0	8,4%
Total		1%	5%	1	3	17	60	2	0	83

Level of Education

Crossed with: 5.19 Communication using lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	14%	35%	5	8	6	18	3	1	51,3%
University - bachelor (BA)	2	21%	43%	3	3	2	6	1	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,3%
Profession	4	13%	27%	2	2	2	9	0	0	18,8%
Other	5	14%	14%	1	0	5	1	0	0	8,8%
Total		14%	32%	11	13	15	37	3	1	80

Level of Education

Crossed with: 5.20 Project planning (including lighting)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	21%	3	5	6	25	2	2	53,1%
University - bachelor (BA)	2	14%	43%	2	4	3	5	0	0	17,3%
Professional bachelor (PBA)	3	0%	40%	0	2	0	3	0	0	6,2%
Profession	4	14%	29%	2	2	5	5	0	1	18,5%
Other	5	29%	43%	2	1	1	3	0	0	8,6%
Total		12%	29%	9	13	14	40	2	3	81

Level of Education

Crossed with: 5.21 Lighting standards

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	37%	4	11	6	20	2	0	51,8%
University - bachelor (BA)	2	0%	6%	0	1	3	12	0	0	19,3%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,0%
Profession	4	40%	53%	6	2	4	3	0	0	18,1%
Other	5	14%	43%	1	2	3	1	0	0	8,4%
Total		14%	32%	11	15	17	38	2	0	83

Level of Education

Crossed with: 5.22 Building Act - in relation to indoor electric lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	23%	3	6	4	27	2	0	51,2%
University - bachelor (BA)	2	0%	6%	0	1	1	14	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	6,1%
Profession	4	33%	60%	5	4	2	4	0	0	18,3%
Other	5	14%	14%	1	0	4	2	0	0	8,5%
Total		11%	24%	9	10	12	49	2	0	82

Level of Education

Crossed with: 5.23 Building Act - in relation to outdoor electric lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	10%	0	4	6	29	3	0	51,9%
University - bachelor (BA)	2	0%	0%	0	0	0	14	1	0	18,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,2%
Profession	4	13%	33%	2	3	4	6	0	0	18,5%
Other	5	0%	14%	0	1	3	3	0	0	8,6%
Total		3%	13%	2	8	13	55	3	0	81

Level of Education

Crossed with: 5.24 Road lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	3%	13%	1	4	9	24	1	0	49,4%
University - bachelor (BA)	2	0%	0%	0	0	0	16	0	0	20,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,3%
Profession	4	0%	7%	0	1	2	12	0	0	19,0%
Other	5	0%	29%	0	2	0	5	0	0	8,9%
Total		1%	10%	1	7	11	59	1	0	79

Level of Education

Crossed with: 5.25 Commissioning and maintenance (of lighting)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	10%	0	4	7	28	2	0	50,6%
University - bachelor (BA)	2	6%	6%	1	0	4	11	0	0	19,8%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	6,2%
Profession	4	29%	64%	4	5	2	3	0	1	18,5%
Other	5	14%	14%	1	0	2	4	0	0	8,6%
Total		8%	19%	6	9	15	48	2	1	81

Level of Education

Crossed with: 5.26 Commissioning and maintenance (of computerised systems)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	0%	3%	0	1	4	35	3	0	51,8%
University - bachelor (BA)	2	6%	6%	1	0	4	11	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,0%
Profession	4	8%	17%	1	1	4	6	2	1	18,1%
Other	5	0%	0%	0	0	3	3	1	0	8,4%
Total		3%	5%	2	2	14	58	6	1	83

Level of Education

Crossed with: 6.1 Daylight openings

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	33%	43%	13	4	3	20	3	0	51,8%
University - bachelor (BA)	2	6%	6%	1	0	3	12	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,0%
Profession	4	13%	47%	2	5	4	4	0	0	18,1%
Other	5	43%	57%	3	1	0	3	0	0	8,4%
Total		23%	35%	18	10	10	42	3	0	83

Level of Education

Crossed with: 6.2 Building construction

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	26%	32%	10	2	4	22	3	0	51,3%
University - bachelor (BA)	2	13%	13%	2	0	3	10	0	0	18,8%
Professional bachelor (PBA)	3	20%	20%	1	0	1	3	0	0	6,3%
Profession	4	20%	20%	3	0	5	7	0	0	18,8%
Other	5	29%	43%	2	1	3	1	0	0	8,8%
Total		21%	25%	16	3	16	42	3	0	80

Level of Education

Crossed with: 6.3 Daylight and spatial design

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	29%	37%	12	3	7	19	2	0	52,4%
University - bachelor (BA)	2	6%	25%	1	3	4	8	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,1%
Profession	4	13%	33%	2	3	5	5	0	0	18,3%
Other	5	50%	50%	3	0	3	0	0	0	7,3%
Total		23%	34%	18	9	18	35	2	0	82

Level of Education

Crossed with: 6.4 Facades

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	27%	32%	11	2	5	23	1	0	51,2%
University - bachelor (BA)	2	6%	25%	1	3	1	11	0	0	19,5%
Professional bachelor (PBA)	3	20%	20%	1	0	1	3	0	0	6,1%
Profession	4	0%	14%	0	2	4	8	1	0	18,3%
Other	5	50%	50%	3	0	0	3	0	1	8,5%
Total		18%	27%	14	7	11	47	2	1	82

Level of Education

Crossed with: 6.5 Glass, glass coatings etc.

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	33%	43%	13	4	2	21	3	0	52,4%
University - bachelor (BA)	2	7%	7%	1	0	3	11	0	0	18,3%
Professional bachelor (PBA)	3	20%	20%	1	0	1	3	0	0	6,1%
Profession	4	7%	13%	1	1	4	9	0	0	18,3%
Other	5	33%	67%	2	2	1	1	0	1	8,5%
Total		21%	29%	16	7	11	44	3	1	82

Level of Education

Crossed with: 6.6 Daylight and thermal comfort

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	24%	41%	10	7	5	19	2	0	51,8%
University - bachelor (BA)	2	6%	13%	1	1	0	14	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	1	3	1	0	6,0%
Profession	4	7%	21%	1	2	6	5	1	0	18,1%
Other	5	20%	40%	1	1	1	2	1	1	8,4%
Total		15%	29%	12	11	13	42	4	1	83

Level of Education

Crossed with: 6.7 Daylight autonomy

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	29%	7	3	4	21	7	0	51,2%
University - bachelor (BA)	2	0%	7%	0	1	0	14	1	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,1%
Profession	4	0%	18%	0	2	3	6	4	0	18,3%
Other	5	33%	33%	2	0	0	4	0	1	8,5%
Total		13%	20%	9	5	7	48	12	1	82

Level of Education

Crossed with: 6.8 Shading systems

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	28%	36%	11	3	5	20	3	0	51,9%
University - bachelor (BA)	2	6%	6%	1	0	2	13	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,2%
Profession	4	0%	20%	0	3	4	8	0	0	18,5%
Other	5	0%	40%	0	2	0	3	0	1	7,4%
Total		14%	25%	11	8	12	46	3	1	81

Level of Education

Crossed with: 6.9 Building components of glass (or other translucent materials)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	23%	36%	9	5	2	23	3	0	51,2%
University - bachelor (BA)	2	6%	6%	1	0	2	13	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,1%
Profession	4	0%	13%	0	2	6	7	0	0	18,3%
Other	5	17%	50%	1	2	1	2	0	1	8,5%
Total		13%	24%	10	9	12	47	3	1	82

Level of Education

Crossed with: 6.10 Surrounding environments influence on daylighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	25%	38%	10	5	5	20	3	0	51,8%
University - bachelor (BA)	2	13%	19%	2	1	1	12	0	0	19,3%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,0%
Profession	4	13%	27%	2	2	7	4	0	0	18,1%
Other	5	33%	67%	2	2	0	2	0	1	8,4%
Total		19%	32%	15	10	13	41	3	1	83

Level of Education

Crossed with: 6.11 Windows and rooflight

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	33%	38%	13	2	3	22	2	0	51,9%
University - bachelor (BA)	2	6%	13%	1	1	2	12	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,2%
Profession	4	20%	33%	3	2	5	5	0	0	18,5%
Other	5	50%	67%	3	1	0	2	0	0	7,4%
Total		24%	32%	19	6	11	43	2	0	81

Level of Education

Crossed with: 6.12 Daylight sensors

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	18%	4	3	7	26	3	0	52,4%
University - bachelor (BA)	2	0%	0%	0	0	2	13	0	0	18,3%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,1%
Profession	4	40%	60%	6	3	2	4	0	0	18,3%
Other	5	0%	57%	0	4	0	3	0	0	8,5%
Total		13%	25%	10	10	9	50	3	0	82

Level of Education

Crossed with: 6.13 Daylight factor

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	26%	37%	10	4	1	23	4	0	52,5%
University - bachelor (BA)	2	6%	13%	1	1	1	13	0	0	20,0%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,3%
Profession	4	38%	46%	5	1	5	2	0	0	16,3%
Other	5	57%	71%	4	1	0	2	0	0	8,8%
Total		25%	34%	19	7	7	43	4	0	80

Level of Education

Crossed with: 6.14 Daylight calculation

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	33%	8	5	4	23	3	0	51,8%
University - bachelor (BA)	2	6%	6%	1	0	0	15	0	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	6,0%
Profession	4	20%	20%	3	0	4	8	0	0	18,1%
Other	5	29%	43%	2	1	3	1	0	0	8,4%
Total		16%	24%	13	6	12	49	3	0	83

Level of Education

Crossed with: 6.15 Useful Daylight Illuminance (UDI)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	3%	21%	1	6	5	21	9	0	51,2%
University - bachelor (BA)	2	6%	13%	1	1	1	13	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,1%
Profession	4	0%	8%	0	1	3	8	3	0	18,3%
Other	5	0%	17%	0	1	2	3	0	1	8,5%
Total		3%	14%	2	8	11	48	12	1	82

Level of Education

Crossed with: 6.16 Surface design (surface, reflectance, texture etc.)

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	37%	8	7	7	19	2	0	51,8%
University - bachelor (BA)	2	13%	31%	2	3	2	9	0	0	19,3%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,0%
Profession	4	13%	20%	2	1	8	4	0	0	18,1%
Other	5	57%	86%	4	2	0	1	0	0	8,4%
Total		20%	35%	16	12	18	35	2	0	83

Level of Education

Crossed with: 7.1 Light simulation

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	21%	33%	8	5	3	23	3	1	51,8%
University - bachelor (BA)	2	33%	53%	5	3	0	7	1	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,0%
Profession	4	14%	29%	2	2	5	5	1	0	18,1%
Other	5	57%	71%	4	1	1	1	0	0	8,4%
Total		23%	38%	18	11	9	39	5	1	83

Level of Education

Crossed with: 7.2 Intelligent lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	5%	24%	2	7	8	20	6	0	51,8%
University - bachelor (BA)	2	13%	13%	2	0	1	12	1	0	19,3%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,0%
Profession	4	47%	67%	7	3	4	1	0	0	18,1%
Other	5	14%	29%	1	1	1	4	0	0	8,4%
Total		16%	30%	12	11	14	40	6	0	83

Level of Education

Crossed with: 7.3 Interactive lighting

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	9%	23%	3	5	5	22	5	0	50,0%
University - bachelor (BA)	2	7%	20%	1	2	0	12	1	0	20,0%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,3%
Profession	4	21%	36%	3	2	5	4	1	0	18,8%
Other	5	14%	29%	1	1	2	3	0	0	8,8%
Total		11%	24%	8	10	12	44	6	0	80

Level of Education

Crossed with: 7.4 Computer rendering

		HIGH	SOME	gh degree	e degree	r degree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	29%	46%	10	6	2	17	5	0	50,0%
University - bachelor (BA)	2	44%	56%	7	2	2	5	0	0	20,0%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,3%
Profession	4	7%	14%	1	1	5	7	1	0	18,8%
Other	5	33%	50%	2	1	2	1	1	0	8,8%

Total		26%	40%	19	10	11	33	7	0	80	

Level of Education

Crossed with: 7.5 Virtual reality

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	8%	27%	3	7	9	18	4	0	51,3%
University - bachelor (BA)	2	0%	19%	0	3	4	9	0	0	20,0%
Professional bachelor (PBA)	3	0%	0%	0	0	3	2	0	0	6,3%
Profession	4	0%	7%	0	1	2	11	0	0	17,5%
Other	5	0%	29%	0	2	2	3	0	0	8,8%
Total		4%	21%	3	13	19	41	4	0	80

Level of Education

Crossed with: 7.6 Programming (for lighting control / rendering / light calculation etc.)

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	11%	17%	4	2	10	20	4	1	50,6%
University - bachelor (BA)	2	19%	38%	3	3	1	9	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,2%
Profession	4	47%	60%	7	2	2	4	0	0	18,5%
Other	5	0%	29%	0	2	3	2	0	0	8,6%
Total		18%	29%	14	8	16	38	4	1	81

Level of Education

Crossed with: 7.7 Virtual models

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	23%	41%	9	7	3	20	2	0	50,6%
University - bachelor (BA)	2	27%	67%	4	6	1	4	0	0	18,5%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	6,2%
Profession	4	7%	13%	1	1	5	8	0	0	18,5%
Other	5	29%	43%	2	1	2	2	0	0	8,6%
Total		20%	38%	16	14	12	37	2	0	81

Level of Education

Crossed with: 7.8 Software development (for lighting control / rendering / light calculation etc.)

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	8%	11%	3	1	7	25	4	1	50,6%
University - bachelor (BA)	2	0%	6%	0	1	4	11	0	0	19,8%
Professional bachelor (PBA)	3	0%	0%	0	0	0	4	1	0	6,2%
Profession	4	0%	21%	0	3	1	10	0	1	18,5%
Other	5	0%	0%	0	0	1	5	1	0	8,6%
Total		4%	11%	3	5	12	54	5	2	81

Level of Education

Crossed with: 7.9 Applications (for lighting control / rendering / light calculation etc.)

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	16%	19%	6	1	6	24	4	0	50,6%
University - bachelor (BA)	2	13%	27%	2	2	2	9	1	0	19,8%
Professional bachelor (PBA)	3	0%	0%	0	0	2	3	0	0	6,2%
Profession	4	13%	40%	2	4	4	5	0	0	18,5%
Other	5	0%	29%	0	2	1	4	0	0	8,6%
Total		13%	24%	10	8	14	44	5	0	81

Level of Education

Crossed with: 7.10 Smart City

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	6%	17%	2	4	13	17	5	1	51,2%
University - bachelor (BA)	2	0%	0%	0	0	3	13	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	4	0	0	6,1%
Profession	4	0%	0%	0	0	0	15	0	0	18,3%
Other	5	0%	29%	0	2	1	4	0	0	8,5%
Total		3%	11%	2	6	16	52	5	1	82

Level of Education

Crossed with: 7.11 Big Data

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	6%	12%	2	2	10	19	6	2	50,6%
University - bachelor (BA)	2	0%	13%	0	2	1	13	0	0	19,8%
Professional bachelor (PBA)	3	0%	0%	0	0	1	3	1	0	6,2%
Profession	4	0%	8%	0	1	1	10	3	0	18,5%
Other	5	17%	33%	1	1	0	4	1	0	8,6%
Total		4%	12%	3	5	12	49	10	2	81

Level of Education

Crossed with: 8.1 Radiation

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	24%	38%	10	6	8	18	0	0	51,2%
University - bachelor (BA)	2	6%	25%	1	3	3	9	0	0	19,5%
Professional bachelor (PBA)	3	20%	40%	1	1	1	2	0	0	6,1%
Profession	4	15%	38%	2	3	4	4	1	1	18,3%
Other	5	14%	57%	1	3	1	2	0	0	8,5%
Total		18%	38%	14	16	16	34	1	1	82

Level of Education

Crossed with: 8.2 Glare

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	28%	51%	11	9	1	18	2	0	51,3%
University - bachelor (BA)	2	7%	27%	1	3	1	10	0	0	18,8%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,3%
Profession	4	33%	53%	5	3	5	2	0	0	18,8%
Other	5	57%	71%	4	1	1	1	0	0	8,8%
Total		27%	47%	21	16	9	32	2	0	80

Level of Education

Crossed with: 8.3 Colour rendering

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	30%	48%	12	7	7	14	2	0	51,2%
University - bachelor (BA)	2	31%	50%	5	3	3	5	0	0	19,5%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,1%
Profession	4	53%	80%	8	4	1	2	0	0	18,3%
Other	5	43%	86%	3	3	0	1	0	0	8,5%
Total		35%	56%	28	17	12	23	2	0	82

Level of Education

Crossed with: 8.4 Colour temperature

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	23%	45%	9	9	5	17	1	1	51,2%
University - bachelor (BA)	2	31%	56%	5	4	2	5	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,1%
Profession	4	47%	80%	7	5	1	2	0	0	18,3%
Other	5	43%	86%	3	3	0	1	0	0	8,5%
Total		30%	55%	24	20	8	28	1	1	82

Level of Education

Crossed with: 8.5 Flicker

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	10%	23%	4	5	9	21	3	0	51,2%
University - bachelor (BA)	2	6%	6%	1	0	5	10	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	2	2	0	0	6,1%
Profession	4	33%	67%	5	5	3	2	0	0	18,3%
Other	5	43%	71%	3	2	1	1	0	0	8,5%
Total		16%	32%	13	12	18	36	3	0	82

Level of Education

Crossed with: 8.6 Evaluation of light sources

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	7%	41%	3	14	5	19	1	0	51,2%
University - bachelor (BA)	2	19%	25%	3	1	2	10	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	3	1	0	0	6,1%
Profession	4	13%	60%	2	7	4	2	0	0	18,3%
Other	5	43%	71%	3	2	1	1	0	0	8,5%
Total		14%	43%	11	24	14	32	1	0	82

Level of Education

Crossed with: 8.7 Calibration of measuring equipment

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	15%	27%	6	5	11	19	1	0	51,2%
University - bachelor (BA)	2	0%	0%	0	0	5	11	0	0	19,5%
Professional bachelor (PBA)	3	20%	40%	1	1	2	1	0	0	6,1%

Profession	4	0%	7%	0	1	6	8		0	0	18,3%
Other	5	0%	29%	0	2	5	0		0	0	8,5%
Total		9%	19%	7	8	27	39		1	0	82

Level of Education

Crossed with: 8.8 The use of light measuring instruments

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	22%	39%	9	7	7	18	0	1	51,2%
University - bachelor (BA)	2	0%	19%	0	3	4	9	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	4	0	0	0	6,1%
Profession	4	13%	27%	2	2	8	3	0	0	18,3%
Other	5	43%	86%	3	3	1	0	0	0	8,5%
Total		17%	35%	14	14	23	30	0	1	82

Level of Education

Crossed with: 8.9 Light measuring methods

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	20%	45%	8	10	4	18	0	1	50,6%
University - bachelor (BA)	2	0%	19%	0	3	5	8	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	3	1	0	0	6,2%
Profession	4	7%	27%	1	3	9	2	0	0	18,5%
Other	5	43%	86%	3	3	1	0	0	0	8,6%
Total		15%	38%	12	18	21	29	0	1	81

Level of Education

Crossed with: 8.10 Biometric data collection

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	6%	15%	2	3	9	20	7	0	50,6%
University - bachelor (BA)	2	0%	0%	0	0	1	15	0	0	19,8%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,2%
Profession	4	0%	8%	0	1	1	11	2	0	18,5%
Other	5	0%	57%	0	4	1	2	0	0	8,6%
Total		3%	14%	2	8	12	50	9	0	81

Level of Education

Crossed with: 8.11 Evaluation of luminaires

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	5%	17%	2	5	9	25	1	0	51,2%
University - bachelor (BA)	2	0%	6%	0	1	3	12	0	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,1%
Profession	4	0%	20%	0	3	5	7	0	0	18,3%
Other	5	50%	50%	3	0	1	2	0	1	8,5%
Total		6%	18%	5	9	17	49	1	1	82

Level of Education

Crossed with: 8.12 Spectral distribution

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	26%	41%	10	6	6	17	1	1	51,3%
University - bachelor (BA)	2	33%	40%	5	1	3	6	0	0	18,8%
Professional bachelor (PBA)	3	0%	0%	0	0	2	2	1	0	6,3%
Profession	4	13%	33%	2	3	4	6	0	0	18,8%
Other	5	67%	67%	4	0	1	1	1	0	8,8%
Total		27%	40%	21	10	14	32	2	1	80

Level of Education

Crossed with: 8.13 Diffusion of light

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	18%	45%	7	10	5	16	2	0	50,6%
University - bachelor (BA)	2	27%	53%	4	4	0	7	1	0	20,3%
Professional bachelor (PBA)	3	0%	0%	0	0	3	1	0	0	5,1%
Profession	4	13%	33%	2	3	4	6	0	0	19,0%
Other	5	33%	83%	2	3	1	0	0	0	7,6%
Total		20%	45%	15	19	13	29	3	0	79

Level of Education

Crossed with: 8.14 Transmission of light

		HIGH	SOME	gh degree	e degree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	28%	50%	11	9	5	15	1	0	51,9%
University - bachelor (BA)	2	15%	31%	2	2	1	8	2	0	19,0%
Professional bachelor (PBA)	3	0%	40%	0	2	1	2	0	0	6,3%
Profession	4	7%	14%	1	1	5	7	1	0	19,0%
Other	5	50%	67%	3	1	1	1	0	0	7,6%
Total		21%	41%	16	15	13	31	4	0	79

Level of Education

Crossed with: 8.15 Reflection of light

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
University - Master (MA)	1	30%	55%	12	10	7	11	0	0	50,0%
University - bachelor (BA)	2	33%	60%	5	4	0	6	1	0	20,0%
Professional bachelor (PBA)	3	0%	40%	0	2	2	1	0	0	6,3%
Profession	4	27%	47%	4	3	6	2	0	0	18,8%
Other	5	57%	71%	4	1	2	0	0	0	8,8%
Total		30%	56%	24	20	16	19	1	0	80

Level of Education

Crossed with: 8.16 Refraction of light

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	23%	38%	9	6	9	15	2	0	50,6%
University - bachelor (BA)	2	19%	31%	3	2	5	6	0	0	19,8%
Professional bachelor (PBA)	3	20%	60%	1	2	1	1	0	0	6,2%
Profession	4	0%	18%	0	2	5	4	4	0	18,5%
Other	5	57%	86%	4	2	1	0	0	0	8,6%
Total		23%	40%	17	13	20	25	6	0	81

Level of Education

Crossed with: 8.17 Photonics

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	14%	23%	5	3	7	20	7	0	51,2%
University - bachelor (BA)	2	7%	7%	1	0	2	12	1	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	1	2	2	0	6,1%
Profession	4	0%	7%	0	1	3	10	1	0	18,3%
Other	5	0%	33%	0	2	3	1	1	0	8,5%
Total		8%	17%	6	6	15	44	11	0	82

Level of Education

Crossed with: 8.18 Photometry

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	11%	22%	4	4	10	18	6	0	51,2%
University - bachelor (BA)	2	7%	14%	1	1	2	10	2	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	2	1	2	0	6,1%
Profession	4	0%	8%	0	1	3	8	3	0	18,3%
Other	5	50%	50%	3	0	1	2	1	0	8,5%
Total		12%	20%	8	6	16	39	13	0	82

Level of Education

Crossed with: 8.19 Light calculation

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	22%	46%	9	10	2	20	0	1	52,5%
University - bachelor (BA)	2	14%	14%	2	0	2	10	0	0	17,5%
Professional bachelor (PBA)	3	0%	20%	0	1	1	3	0	0	6,3%
Profession	4	36%	57%	5	3	2	4	1	0	18,8%
Other	5	29%	57%	2	2	2	1	0	0	8,8%
Total		22%	42%	17	16	8	37	1	1	80

Level of Education

Crossed with: 8.20 Light sources - aging and degradation

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	3%	10%	1	3	8	27	3	0	51,2%
University - bachelor (BA)	2	0%	0%	0	0	2	14	0	0	19,5%
Professional bachelor (PBA)	3	0%	20%	0	1	0	4	0	0	6,1%
Profession	4	21%	50%	3	4	5	2	0	1	18,3%
Other	5	14%	71%	1	4	0	2	0	0	8,5%
Total		6%	21%	5	11	15	47	3	1	82

Level of Education

Crossed with: 8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)

		HIGH	SOME	gh degree	e dregree	r dregree	Not at all	Don't know	Comment	Total
Universty - Master (MA)	1	16%	26%	6	4	4	24	3	1	51,2%
University - bachelor (BA)	2	7%	7%	1	0	0	14	1	0	19,5%
Professional bachelor (PBA)	3	0%	0%	0	0	0	5	0	0	6,1%
Profession	4	29%	43%	4	2	2	6	1	0	18,3%
Other	5	57%	57%	4	0	0	3	0	0	8,5%
Total		18%	26%	14	6	6	50	5	1	82

APPENDIX B
EXPERT INTERVIEWS

17 interviews

A line of expert interviews were conducted subsequently, to better the understanding of how to access the future based on the results from the mapping. Relevant experts from different areas of expertise were contacted and in short interviews the results from the two online surveys were presented. This gave a better understanding of the current situation and investigated if they could recognize the gaps in Denmark and Sweden.

The inputs from the expert interviews gave a unique perspective on the current considerations from the cross disciplinary lighting scene in Northern Europe. (Figure 4) The experts were categorised based on their background, professional training, areas of expertise and knowledge on current research within their field. Their areas of expertise were subsequently compared to the 8 themes from the survey, in order to get insights from all eight areas. Most experts were interviewed over the phone, 3 in person and 2 using skype. All interviews used the same questions and questionnaire, but varied in length from 12 minutes to 57. (Questionnaire 1-3) When interviewing over the phone the interviewer cannot see facial expressions and sense mood in the same way. All types of interviews were voice recorded and partially transcribed, as only important parts were highlighted.

Figure 4: Geographic distribution of the interviewed experts

APPENDIX B
EXPERT INTERVIEWS

Background

- What is your field of work (+ years?)
- Describe your primary interest in the light field?
  - Why is this area particularly interesting? (in your field of work?)
  - What is an important focus in this specific field(-s)?
  - Which areas in this field(-s) du you find in need of more knowledge?

Presentation of survey and short introduction to the results
I will shortly explain the 8 topics + 111 sub points

- Which of the 8 categories do you feel most familiar with? (1 or more)

Results from supply/demand in your field > Where is the gap between the demanded competencies and what is thought

- What are your immediate thoughts on these results?
- To what extent do you feel that the connection between supply and demand in your field works?
  - What works really well and what doesn't?

Future (5-10 years from now)

- We will now look at the industry 5-10 years from now:
  PDF with scale and SWOT matrix
  - Working with light in your field - what *strengths*(W,O,T) do you see when you think 5-10y ahead? (SWOT-matrix)
  - How important do you think these 8 topics will be in the future, thinking 5-10y ahead? (scale 1-10)
  - In your opinion, where will the highest focus be in the future? (supply / demand)
- As we look ahead, how can we we reduce the gap between education and industry?
- Any final remarks?

Questionaire 1: Questions for expert interviews

APPENDIX B
EXPERT INTERVIEWS

Working with light in your field - what *S / W / O / T* do you see when you think 5-10 years ahead?

How important do you think that the 8 topics will be in the future, thinking 5-10 years ahead?
- In your opinion, where will the highest focus be in the future? (supply / demand)

	1	2	3	4	5	6	7	8	9	10	
1.	○	○	○	○	○	○	○	○	○	○	LIGHT & EXPERIENCE
2.	○	○	○	○	○	○	○	○	○	○	LIGHT, HEALTH & WELLBEING
3.	○	○	○	○	○	○	○	○	○	○	LIGHT & TECHNOLOGY
4.	○	○	○	○	○	○	○	○	○	○	LIGHT & ENERGY
5.	○	○	○	○	○	○	○	○	○	○	LIGHT & PLANNING
6.	○	○	○	○	○	○	○	○	○	○	DAYLIGHT
7.	○	○	○	○	○	○	○	○	○	○	DIGITALISED LIGHT
8.	○	○	○	○	○	○	○	○	○	○	LIGHT CHARACTERISTICS & MEASUREMENTS

1= Not at all **To very high degree = 10**

Questionaire 2: Questions for expert interviews

APPENDIX B
EXPERT INTERVIEWS

LIGHT RELATED COMPETENCIES

1. Light & Experience
1.1 *Light culture and traditions*
1.2 *Art - with the use of light*
1.3 *Architectural lighting*
1.4 *Landscape Planning and light*
1.5 *Communication - with the use of light*
1.6 *Visual perception*
1.7 *Atmosphere - including the use of lighting*
1.8 *Materials and its lighting properties*
1.9 *Aesthetics - in relation to the light / lighting / lamps*
1.10 *Sensory experiences - including the use of lighting*
1.11 *Shadow and form drawing*

2. Light, Health & Wellbeing
2.1 *Biological lighting*
2.2 *Light and circadian rhythm*
2.3 *Human centric lighting*
2.4 *Effects of visible light on humans*
2.5 *Effects of non-visible light on humans*
2.6 *Optometry*
2.7 *Light in medical technology*
2.8 *Visual ergonomics*
2.9 *The eye's anatomy and physiology*
2.10 *Working environment and lighting*

3. Light & Technology
3.1 *Sensor technology*
3.2 *Optics and lenses*
3.3 *Light source development*
3.4 *Light source manufacturing*
3.5 *Luminaire design*
3.6 *Luminaire manufacturing*
3.7 *Wireless lighting*
3.8 *Interface for lighting control*

4. Light & Energy
4.1 *Energy consumption*
4.2 *Solar energy*
4.3 *Power system design*
4.4 *Power Systems and Building Construction*
4.5 *Building Integrated energy production*
4.6 *Introduction to energy classes*
4.7 *Energy friendly light sources*
4.8 *Energy renovation (including lighting)*

5. Light & Planning
5.1 *Light strategies*
5.2 *Lighting masterplans*
5.3 *Light planning*
5.4 *Economy*
5.5 *Lighting legislation*
5.6 *Urban design and lighting*
5.7 *Technical descriptions (including lighting)*
5.8 *Tender specifications (including lighting)*
5.9 *Light signals*
5.10 *Traffic lighting*
5.11 *Public lighting*
5.12 *Light pollution*
5.13 *Safety lighting*
5.14 *Panic lighting / escape lighting / emergency lighting*
5.15 *Working environment and lighting*
5.16 *Landscape planning and light*
5.17 *Lighting concept development*
5.18 *Luminous signs*
5.19 *Communication using lighting*
5.20 *Project planning (including lighting)*
5.21 *Lighting standards*
5.22 *Building Act - in relation to indoor electric lighting*
5.23 *Building Act - in relation to outdoor electric lighting*
5.24 *Road lighting*
5.25 *Commissioning and maintenance (of lighting)*
5.26 *Commissioning and maintenance (of computerised systems)*

6. Daylight
6.1 *Daylight openings*
6.2 *Building construction*
6.3 *Daylight and spatial design*
6.4 *Facades*
6.5 *Glass, glass coatings etc.*
6.6 *Daylight and thermal comfort*
6.7 *Daylight autonomy*
6.8 *Shading systems*
6.9 *Building components of glass (other transparent materials)*
6.10 *Surrounding environments influence on daylighting*
6.11 *Windows and rooflight*
6.12 *Daylight sensors*
6.13 *Daylight factor*
6.14 *Daylight calculation*
6.15 *Useful Daylight Illuminance (UDI)*
6.16 *Surface design (surface, reflectance, texture etc.)*

7. Digitalised Light
7.1 *Light simulation*
7.2 *Intelligent lighting*
7.3 *Interactive lighting*
7.4 *Computer rendering*
7.5 *Virtual reality*
7.6 *Programming*
7.7 *Virtual models*
7.8 *Software development*
7.9 *Applications*
7.10 *Smart City*
7.11 *Big Data*

8. Light Characteristics & Measurements
8.1 *Radiation*
8.2 *Glare*
8.3 *Colour rendering*
8.4 *Colour temperature*
8.5 *Flicker*
8.6 *Evaluation of light sources*
8.7 *Calibration of measuring equipment*
8.8 *The use of light measuring instruments*
8.9 *Light measuring methods*
8.10 *Biometric data collection*
8.11 *Evaluation of luminaires*
8.12 *Spectral distribution*
8.13 Diffusion of light
8.14 Transmission of light
8.15 Reflection of light
8.16 Refraction of light
8.17 Photonics
8.18 Photometry
8.19 Light calculation
8.20 Light sources - aging and degradation
8.21 Calculation Software (Radiance, DIALux, OptisWorks, Relux, CalcuLuX etc.)

Questionaire 3: Questions for expert interviews

APPENDIX B
EXPERT INTERVIEWS

Future

Part of the expert interviews involved a SWOT analysis to get different aspects of the light industry into discussing. In the end of each interview the experts and the focus group were additionally asked to rank the importance of each of the eight categories on a scale from 1-10, when looking 5-10 years ahead. Afterwards, they were asked in which of the categories the highest focus would be moving ahead. On a scale of importance from 1(not at all) to 10 (to very high degree), the future importance of each of the 8 themes has been evaluated. The average opinion from the group of experts shows with 8.1 a tendency towards #2 Light & health and 8.2 #6 Daylight. #7 Digitalized light and #1 Light & experience were the two runners up with 7.6. The lowest average on 6.8 were #4 Light & energy with #5 Light & planning following with 6.9. (Table 3)

Theme	1	2	3	4	5	6	7	8
#1	8	3	3	3	10	4	8	7
#2	10	9	5	5	5	9	8	5
#3	5	10	6	9	7	9	3	6
#4	5	9	10	10	7	8	10	8
#5	10	10	10	10	10	10	10	10
#6	9	10	6	7	8	10	6	7
#7	9	5	8	8	4	9	8	3
#8	6	10	7	4	6	10	5	8
#9	5	7	8	10	9	8	10	7
#10	9	8	7	7	8	7	8	7
#11	9,5	10	4	6	7	9	8	7
#12	4	9	8	7	6	6	9	8
#13	10	10	9	9	10	10	10	8
#14	7	9	7	5	4	7	5	6
#15	9	5	8	3	1	8	10	6
#16	7	4	6	8	9	9	3	10
#17	7	9	7	5	7	7	9	6
Average	7,6	8,1	7,0	6,8	6,9	8,2	7,6	7,0
Focus	**5**	**5**	3	3	2	4	**5**	1
	29%	29%	18%	18%	12%	24%	29%	6%

Table 3: The future importance of the 8 themes categorised by the 17 experts. The blue number indicate where they believe the highest focus will be. The grey square indicate where the expert has his or her personal focus and expertise.

When asked where the focus will be 5-10 years from now, the common opinion showed a tendency towards a focus that varied from the importance, but also a focus on combining more of the fields in the future. Three themes were expected to get the highest focus, with 5/17 each #1 Light & experience, #2 Light & health and #7 Digitalized light – in more cases the combination of the three were mentioned. The lowest expected focus were on #8 Characteristics & measurements with only 1/17. (Table 3)

Future recommendations

This resulted in relevant considerations from the people involved. Observations of this process concludes that:

- *In order to be important in the future the categories must work together*
- *Many categories have future potential in growth and development*
- *The business moves with gigantic steps and no one can predict what kind of light source we will be using 10 years from now*
- *Every lighting design project need to consider all the categories*
- *Almost all the interviewed experts had previous working or research experience within all the 8 themes.*

Low hanging fruits

Current recommendations from the experts suggest focussing on the low hanging fruits. That being:

- Mentoring
- Collaboration in projects
- Field trips (industry could invite)
- Partnerships
- Professional courses

APPENDIX B
EXPERT INTERVIEWS

Collaborations between industry and educations were appearing repeatedly in the interviews. They main issue with collaborations is the economy, as private companies and municipalities cannot afford to give away man-hours and equipment for free, if they don't get any benefit in the long run. The findings in this report can be used as a tool to invent new research collaborations, help municipalities and companies put competencies and needs into words, so they can find new employees with the right skills across disciplines and Øresund.

APPENDIX C
FOCUS GROUP

12 participants

As the final part of the data collection, 12 persons from the cross disciplinairy lighting industry in Denmark and Sweden were gathered at Aalborg University for a two hour focus group. After a joint presentation these were divided into two groups of six and selected hypotheses on current and future obstacles and possibilities were presented and discussed in the two groups.

While experts were selected from companies and schools across northern Europe, the participants in the focus group represented Greater Copenhagen and participants were mainly Danish, but an equal amount of Swedish people were invited to join. The twelve participants represented educations, private companies, municipalities and organisations in Greater Copenhagen. Besides the participants and the moderator, two student helpers observed and wrote summaries of the discussions. The sessions were filmed and voice recorded.

Presentation

The day was divided into three parts, now, on the go and future. Each part was initiated by a line of hypotheses configured by the findings from the two surveys and the expert interviews. A few hypotheses were highlighted and discussed in the two groups.

Now

When looking at the interdisciplinary light industry right now, it is very easy to see that a lot of new initiatives and opportunities as arising, both in terms of research and business. The focus on light as a commodity is still low in Scandinavia, but a lot of passionate people are working hard to create awareness of this. In countries as Germany, Great Britain and The Netherlands they have a stronger tradition for lighting design, but initiatives like Lighting Metropolis and DOLL are creating new opportunities for collaborations and research.

Selected insights from the lighting industry:

1. *Energy has been the driver for much development - it is about to end now*
2. *Economy and maintenance are important factors = Energy has played a major role*
3. *High media awareness about health (money for research)*
4. *Some skills can be quickly obtained (eg measurement / calculation / simulation)*
5. *Others take longer (eg aesthetics / evaluation / planning / health)*
6. *Development is currently moving fast - educations can't follow as fast*
7. *All competencies are not used - employers must be made aware of them*
8. *Technology: Important to focus on the users needs over systems and sensors*
9. *The industry today: some need specialists others need generalists*
10. *The economy currently lies in production and research*
11. *Human centric lighting is very popular right now - well branded (!)*

On the go

How do we build a bridge between the competence supply from the programs and the demand from the interdisciplinary light industry?

1. Mentoring
2. External teachers from the industry
3. Tasks / projects / specialties in cooperation with companies
4. Evaluation of completed projects
5. Internships
6. Common language - formulated so every-

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FOCUS GROUP

one understands (standards and aesthetics)

7. Knowledge bank with competencies
8. Daily courses for both students and professionals
9. Specializations - Additional courses in specific competencies
10. Business visits – open houses
11. Combined projects between schools - technology and aesthetics

Discussions about which low hanging fruits the focus should be on lead to this:

- *Shared labs*
- *One-year projects with municipalities*
- *Creating value with school projects*
- *Economical aspect in projects – prepare for planning*

Theme	1	2	3	4	5	6	7	8
#A	8	8	?	7	8	?	9	7
#B	8	6	10	7	9	7	10	5
#C	9	10	9	9	8	9	9	9
#D	6	9	5	5	7	7	9	6
#E	10	9	8	7	9	9	10	9
#F	8	10	10	7	5	10	10	8
#G	9	4	5	3	7	8	2	9
#H	6	9	7	2	3	5	8	5
#I	5	7	4	4	9	5	9	7
#J	9	4	8	8	9	3	9	6
#K	8	5	9	2	7	3	10	9
#L	8	7	4	5	5	6	10	4
Average								
Focus	7,8	7,3	7,2	5,5	7,2	6,5	8,8	7,0
	7	**3**	**3**	**2**	**1**	**0**	**4**	**1**

Table 4: The future importance of the 8 themes categorised by the focus group participants. The blue number indicate where they believe the highest focus will be. The grey square indicate where the expert has his or her personal focus and expertise.

Future

The questionnaire and scale from the expert interviews were reused in the focus group to evaluate the future importance of each of the 8 themes. The average opinion from the focus group varies more than the experts, and shows with 8.8 a tendency towards #7 Digitalized light as the most important area in the future and #1 Light & experience in second place with 7.8. With 7.3 #2 Light & health, 7.2 #3 Light and technology and #5 Light & planning with 7.2 were the highest rated. #8 Characteristics & measurements scored 7.0. The lowest average on 5.5 for #4 Light & energy and #6 Daylight with 6.5. (Table 4)

When asked where the focus will be 5-10 years from now, the focus group had a strong preference for #1 Light & experience with 7/12. The lowest expected focus were on #6 Daylight with 0/12, #5 Light & planning and #8 Characteristics & measurements with 1/12. #4 Light & energy scored 2/12. In the middle of the spectre #7 Digitalized light scored 4/12 and #2 Light & health and #3 Light and technology were rated with 3/12. (Table 4)

In group 1 the participants had a debate of how hard it was to categorise the themes and one of the participants stated that none of them are interesting or important without combining them.

FUTURE - considerations

1. Nobody knows what's going to happen in a year?
2. Industry and educations must dare to invest in each other, for example in larger projects
3. "The bridge" is about the relationship the teacher has with the industry
4. New employees need to know a little about everything and can then be spe-

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cialized subsequently
5. Great focus on aesthetics and experience in the future
6. Light designers should not be engineers, experts in technology or in human biology, but in light and experience
7. Road lighting becomes a collaboration between light, IT and technology
8. Man is increasingly in focus
9. The wishes of the client are the main driver for the light = economy
10. We must develop what Smart City can be used for
11. There should be a certification to work with light "Light Designer"

Findings

The general opinion from the focus group showed a low importance of energy, mainly based on the current hype, that they didn't see continuing on. They did believe that there could be more focus on sustainability, lifetime, food production and amount of light in the cities, than on LED-savings.

Right now, a paradigm shift in the way we use technology in the public space is being implemented. A high focus on economy and saving money ended in cities changing for LEDs, but the urbanisation and the demands from this demands more light in the small cities. One of the participants said that he is convinced this will result in a future where cities will install more light that they don't need and the economy will end up the same as before.

In the future, the industry will focus not on changing from old technology to a new and more sustainable, it will be about money and business, which will create jobs. This can result in new opportunities for the industry, and could foster funds for education and future research projects.

FUTURE - Hypotheses

1. The experience is important to focus on, along with people
2. Daylight is important, but there is no money in it
3. Light source evaluation is important as a result of the energy wave (flicker / glare)
4. The city and home must be "smart" and personal

Important: Human centric lighting + Daylight (with help from technology)

Focus: Experience + Technology and Health

Development of scenarios

At the end of the focus group the high lights and main findings from the day was presented in cue words:

- *Planning*
- *Transparency in collaborations*
- *Barriers of collaboration*
- *Light as an umbrella*
- *Economy and added value*
- *Working with a Scandinavian lighting approach*
- *Collaborations formalised*
- *Evaluation of projects (prizes are handed out without)*
- *Long-term plan – anticipation of educations shaping themselves after the industry on a short-term notice*
- *Shared labs*
- *Question: What should "light" do, be capable of?*
- *Trainee positions in municipalities – 1 year*
- *Global change and global challenges*

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Discussion

To provide an understanding of the opinions from respectively experts and focus group participants, the findings from the respective analysis has been compared and analysed. Graph 1 and 2 shows the average of the answers from the experts compared to the answers from the focus group. Value 1 meaning "not important at all", and 10 "important to a very high degree". Almost all participants ranked all categories were ranked above 5, which indicated a high average for both groups, 7.4 for the experts and 7.7 for the focus group participants. (Table 3, 4)

Graph 1 shows the predicted importance ranking in the future, presented in a box chart. In graph 2 the average is presented in a simplified curve. In both Graph 1 and 2, the circles indicate the predicted distribution of focus in the future.

Final conclusion

The findings from expert interviews and focus groups support the findings from the statistical analyses, as the experts and focus groups underlined the importance that lighting educations cannot be compartmentalised and taught into eight categories and one hundred and eleven sub-points, in separate educational programmes. Thus, based on the results from the study it is strongly recommended that lighting be taught in a cross-disciplinary context including both technical and aesthetic qualities.

Graph 1: box chart showing the distribution of answers from respectively experts and focus group regarding future importance. Circles indicate the distribution of focus.

Graph 2: Average level of importance.