

DATE: 18 June 2026
DESIGNER: F O' Sullivan
PROJECT No: 24083HD
PROJECT NAME: Longview Neighbourhood 7

**LIGHTING
REALITY**

LIGHTING CLASSIFICATION

GRID 1: SPINE ROAD MIDDLE - C4
GRID 2: SPINE ROAD CONFLICT ZONE 1 - C3
GRID3 : SPINE ROAD CONFLICT ZONE 2 - C3
GRID 4: SPINE ROAD CONFLICT ZONE 3 - C3
GRID 5: SPINE ROAD CONFLICT ZONE 4 - C3
GRID 6: SPINE ROAD BOTTOM - C4
GRID 7: N7 ESTATE ROADS P4
GRID 8: APARTMENT BLOCKS - P4

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	569446.24	574983.14	41.63	69.13	1.49	1.47
2	Grid 2	569428.79	575150.24	45.95	42.02	1.48	1.45
3	Grid 3	569438.60	575051.07	28.91	90.69	1.45	1.49
4	Grid 4	569476.04	574939.69	33.06	49.38	1.44	1.50
5	Grid 5	569526.87	574864.48	30.97	47.11	0.74	1.27
6	Grid 6	569496.40	574901.83	32.54	43.21	1.48	1.17
7	Grid 7	569328.49	574781.81	237.46	476.86	1.49	1.91
8	Grid 8	569229.76	575184.43	134.48	65.08	1.49	1.59

Luminaires

Luminaire A Data



Supplier	Philips
Type	BGP703 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	11.50
File Name	Luma Gen2 Mini_BGP703_DW50_11500_40 LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	14

Luminaire B Data



Supplier	Philips
Type	BGP703 DM30
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	11.50
File Name	Luma Gen2 Mini_BGP703_DM30_11500_40L ED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	455.2, 34.3, 0.0
No. in Project	1

Luminaire C Data



Supplier	Philips
Type	BGP703 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	9.50
File Name	Luma Gen2 Mini_BGP703_DW50_9500_40L ED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	2

Luminaire D Data



Supplier	Philips
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	4.00
File Name	Luma Gen2 Micro_BGP702_DW50_4000_20 LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	48

Luminaires



Luminaire E Data

Supplier	Philips
Type	BGP702 DX10
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	3.40
File Name	Luma Gen2 Micro_BGP702_DX10_3400_20L ED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	522.9, 97.5, 0.0
No. in Project	10



Luminaire F Data

Supplier	Philips
Type	BGP701 DRN1
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Nano_BGP701_DRN1_800_6LE D_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	495.5, 24.7, 0.0
No. in Project	7



Luminaire G Data

Supplier	Philips
Type	BGP702 DRXN0
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Micro_BGP702_DRXN0_800_6L ED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1419.1, 20.0, 0.0
No. in Project	19

DATE: 18 June 2026
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DESIGNER: F O' Sullivan
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Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
6	A	569421.98	575197.13	8.00	50.00	0.00	0.00	0.50			
2	B	569425.90	575171.61	8.00	50.00	5.00	0.00	0.50			
3	A	569463.53	575165.62	8.00	200.00	0.00	0.00	0.50			
4	A	569449.59	575142.89	8.00	0.00	0.00	0.00	0.50			
5	A	569451.44	575189.96	8.00	212.00	0.00	0.00	0.50			
6	A	569463.26	575119.46	8.00	173.00	0.00	0.00	0.50			
7	A	569446.13	575097.12	8.00	354.00	0.00	0.00	0.50			
8	A	569462.05	575073.66	8.00	184.00	0.00	0.00	0.50			
9	A	569448.93	575049.32	8.00	19.00	0.00	0.00	0.50			
10	C	569469.23	575026.28	8.00	190.00	0.00	0.00	0.50			
11	A	569462.38	574995.00	8.00	23.00	0.00	0.00	0.50			
12	A	569471.18	574972.47	8.00	26.00	5.00	0.00	0.50			
13	A	569483.56	574949.92	8.00	32.00	5.00	0.00	0.50			
14	C	569498.15	574927.36	8.00	38.00	0.00	0.00	0.50			
15	A	569510.15	574909.49	8.00	33.00	5.00	0.00	0.50			
16	A	569524.80	574887.03	8.00	33.00	5.00	0.00	0.50			
17	D	569496.82	574974.44	6.00	138.00	0.00	0.00	0.50			
18	D	569554.30	574892.67	6.00	117.00	0.00	0.00	0.50			
19	A	569535.81	574870.90	8.00	35.00	0.00	0.00	0.50			
20	G	569361.05	575222.39	6.00	178.00	5.00	0.00	0.50			
21	G	569361.28	575202.51	6.00	180.00	5.00	0.00	0.50			
47	D	569485.75	575176.51	6.00	91.00	0.00	0.00	0.50			
68	D	569470.69	575099.59	6.00	248.00	0.00	0.00	0.50			
78	D	569455.22	574968.06	6.00	106.00	0.00	0.00	0.50			
79	D	569419.21	574966.47	6.00	91.00	0.00	0.00	0.50			
81	D	569386.05	574973.21	6.00	91.00	0.00	0.00	0.50			
82	D	569400.06	575021.12	6.00	359.00	5.00	0.00	0.50			
84	D	569350.71	574972.87	6.00	90.00	5.00	0.00	0.50			
86	D	569290.76	574993.88	6.00	19.00	5.00	0.00	0.50			
88	D	569281.79	575029.57	6.00	14.00	5.00	0.00	0.50			
89	D	569273.23	575064.29	6.00	10.00	5.00	0.00	0.50			
86	D	569322.34	575063.98	6.00	95.00	0.00	0.00	0.50			
87	E	569302.47	575073.45	6.00	270.00	5.00	0.00	0.50			
88	D	569353.00	575073.22	6.00	271.00	0.00	0.00	0.50			

89	D	569386.52	575064.09	6.00	90.00	5.00	0.00	0.50			
90	D	569429.39	575064.03	6.00	91.00	0.00	0.00	0.50			

Layout Continued

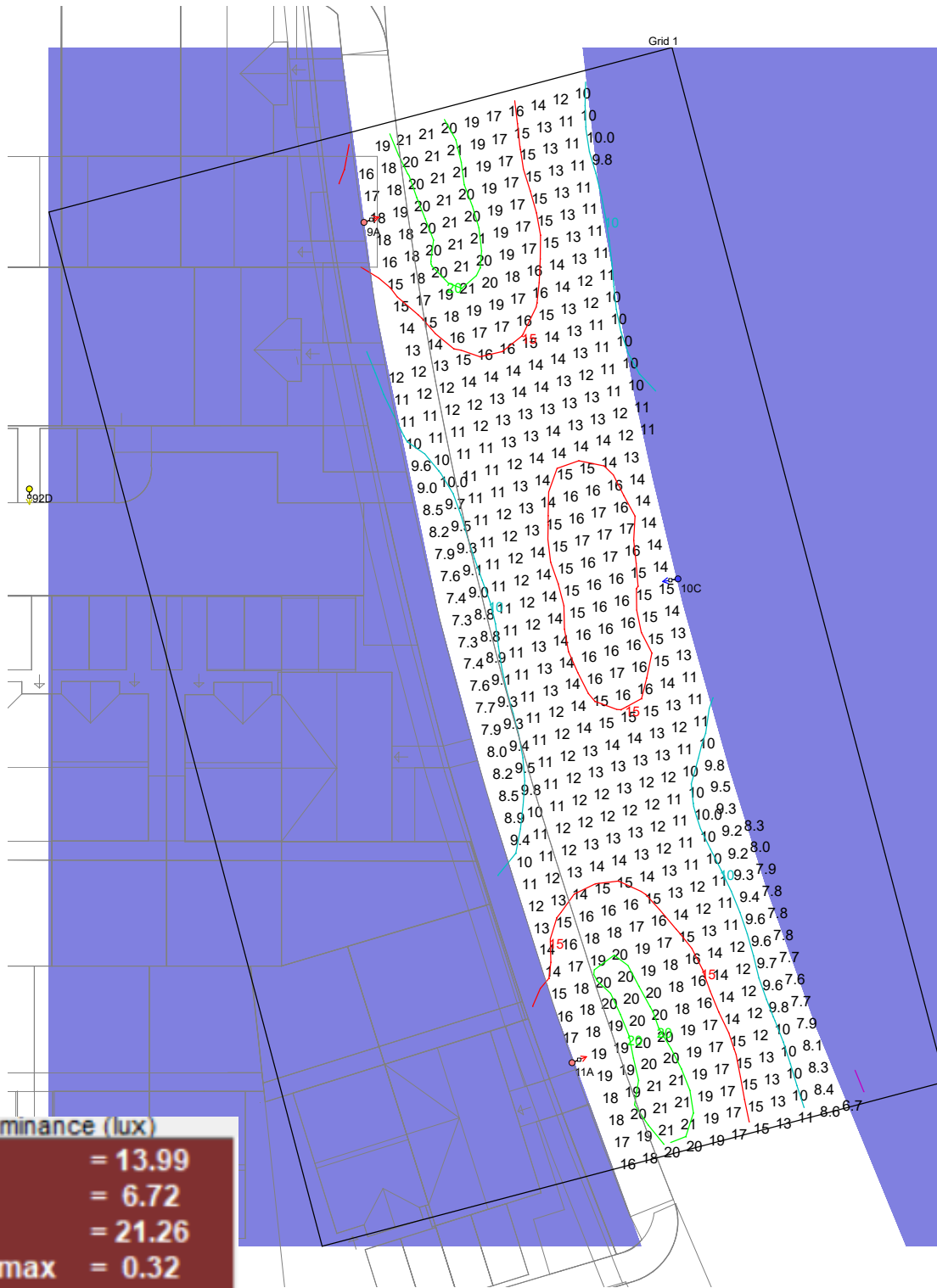
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
91	D	569409.05	575053.54	6.00	181.00	0.00	0.00	0.50			
92	D	569427.31	575032.08	6.00	270.00	0.00	0.00	0.50			
93	D	569342.74	575007.81	6.00	0.00	0.00	0.00	0.50			
94	D	569351.76	575044.04	6.00	183.00	0.00	0.00	0.50			
95	D	569381.06	575095.95	6.00	0.00	0.00	0.00	0.50			
96	D	569430.74	575121.34	6.00	90.00	5.00	0.00	0.50			
97	D	569389.92	575130.41	6.00	270.00	5.00	0.00	0.50			
98	D	569419.54	575145.34	6.00	181.00	0.00	0.00	0.50			
99	D	569414.54	575180.61	6.00	182.00	0.00	0.00	0.50			
100	D	569386.02	575178.73	6.00	92.00	0.00	0.00	0.50			
47	D	569346.98	575188.99	6.00	271.00	0.00	0.00	0.50			
102	D	569275.42	575171.33	6.00	1.00	0.00	0.00	0.50			
104	D	569305.12	575178.72	6.00	92.00	0.00	0.00	0.50			
105	E	569288.42	575205.02	6.00	178.00	5.00	0.00	0.50			
106	D	569335.16	575121.12	6.00	90.00	0.00	0.00	0.50			
107	D	569302.46	575120.91	6.00	94.00	0.00	0.00	0.50			
108	D	569275.49	575134.90	6.00	3.00	0.00	0.00	0.50			
109	D	569507.21	574878.81	6.00	124.00	0.00	0.00	0.50			
110	D	569473.52	574864.76	6.00	114.00	0.00	0.00	0.50			
111	D	569439.58	574852.88	6.00	112.00	0.00	0.00	0.50			
112	D	569404.64	574840.68	6.00	110.00	0.00	0.00	0.50			
113	D	569370.23	574827.63	6.00	111.00	0.00	0.00	0.50			
114	D	569339.45	574840.81	6.00	19.00	0.00	0.00	0.50			
115	D	569327.32	574874.32	6.00	22.00	0.00	0.00	0.50			
116	D	569317.30	574908.53	6.00	3.00	0.00	0.00	0.50			
117	D	569343.67	574922.17	6.00	291.00	0.00	0.00	0.50			
63	G	569495.34	574905.37	6.00	213.00	0.00	0.00	0.50			
119	D	569400.82	574928.96	6.00	287.00	0.00	0.00	0.50			
120	E	569372.06	574922.26	6.00	20.00	0.00	0.00	0.50			
121	E	569388.23	574897.95	6.00	206.00	0.00	0.00	0.50			
122	D	569391.55	574868.53	6.00	21.00	0.00	0.00	0.50			
123	D	569432.27	574940.19	6.00	290.00	5.00	0.00	0.50			
124	D	569465.70	574952.16	6.00	289.00	0.00	0.00	0.50			
125	E	569440.63	574915.48	6.00	201.00	0.00	0.00	0.50			
126	D	569450.64	574887.11	6.00	202.00	0.00	0.00	0.50			
127	D	569365.80	575121.14	6.00	89.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
128	E	569409.14	574994.28	6.00	186.00	0.00	0.00	0.50			
129	D	569318.85	574973.11	6.00	92.00	0.00	0.00	0.50			
130	G	569248.53	575186.09	6.00	89.00	5.00	0.00	0.50			
131	E	569302.75	575211.19	6.00	95.00	5.00	0.00	0.50			
132	E	569313.90	575205.07	6.00	0.00	5.00	0.00	0.50			
78	G	569479.76	574929.41	6.00	213.00	0.00	0.00	0.50			
79	F	569363.34	575093.65	6.00	306.00	0.00	0.00	0.50			
135	G	569266.46	575217.69	6.00	2.00	0.00	0.00	0.50			
136	E	569277.85	575227.21	6.00	272.00	5.00	0.00	0.50			
137	G	569266.37	575198.59	6.00	0.00	0.00	0.00	0.50			
138	F	569267.83	575186.09	6.00	93.00	5.00	0.00	0.50			
139	G	569300.03	575234.29	6.00	0.00	0.00	0.00	0.50			
141	G	569335.31	575209.39	6.00	181.00	0.00	0.00	0.50			
142	G	569335.08	575238.83	6.00	182.00	0.00	0.00	0.50			
143	E	569325.63	575227.30	6.00	270.00	0.00	0.00	0.50			
144	G	569277.57	575099.30	6.00	2.00	0.00	0.00	0.50			
145	G	569267.70	575091.53	6.00	198.00	5.00	0.00	0.50			
146	G	569257.87	575122.00	6.00	196.00	5.00	0.00	0.50			
147	G	569248.59	575150.79	6.00	198.00	5.00	0.00	0.50			
148	G	569241.47	575177.77	6.00	194.00	5.00	0.00	0.50			
149	G	569234.52	575203.00	6.00	190.00	5.00	0.00	0.50			
150	G	569230.13	575222.46	6.00	185.00	0.00	0.00	0.50			
152	G	569301.52	574965.84	6.00	206.00	5.00	0.00	0.50			
153	F	569324.27	574958.46	6.00	107.00	5.00	0.00	0.50			
154	F	569409.78	574946.87	6.00	225.00	5.00	0.00	0.50			
155	F	569388.89	574954.97	6.00	54.00	5.00	0.00	0.50			
156	F	569393.60	574939.39	6.00	324.00	5.00	0.00	0.50			
157	G	569314.27	574937.74	6.00	203.00	5.00	0.00	0.50			
101	F	569357.82	575110.47	6.00	7.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Illuminance (lux)

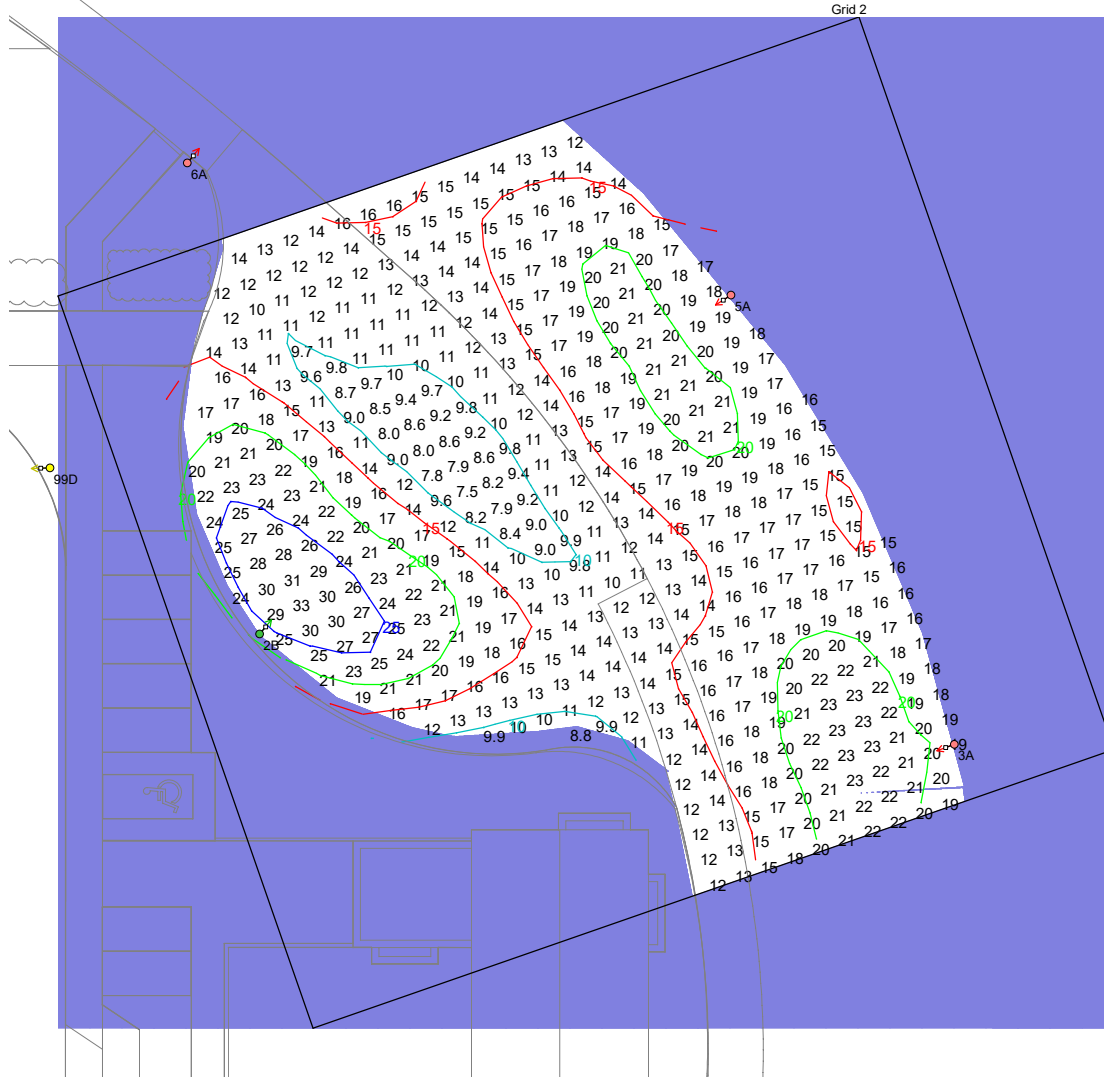
Eav = 13.99
Emin = 6.72
Emax = 21.26
Emin/Emax = 0.32
Emin/Eav = 0.48

Results

Eav	13.99
Emin	6.72
Emax	7 21.26

Horizontal Illuminance (lux)

Grid 2

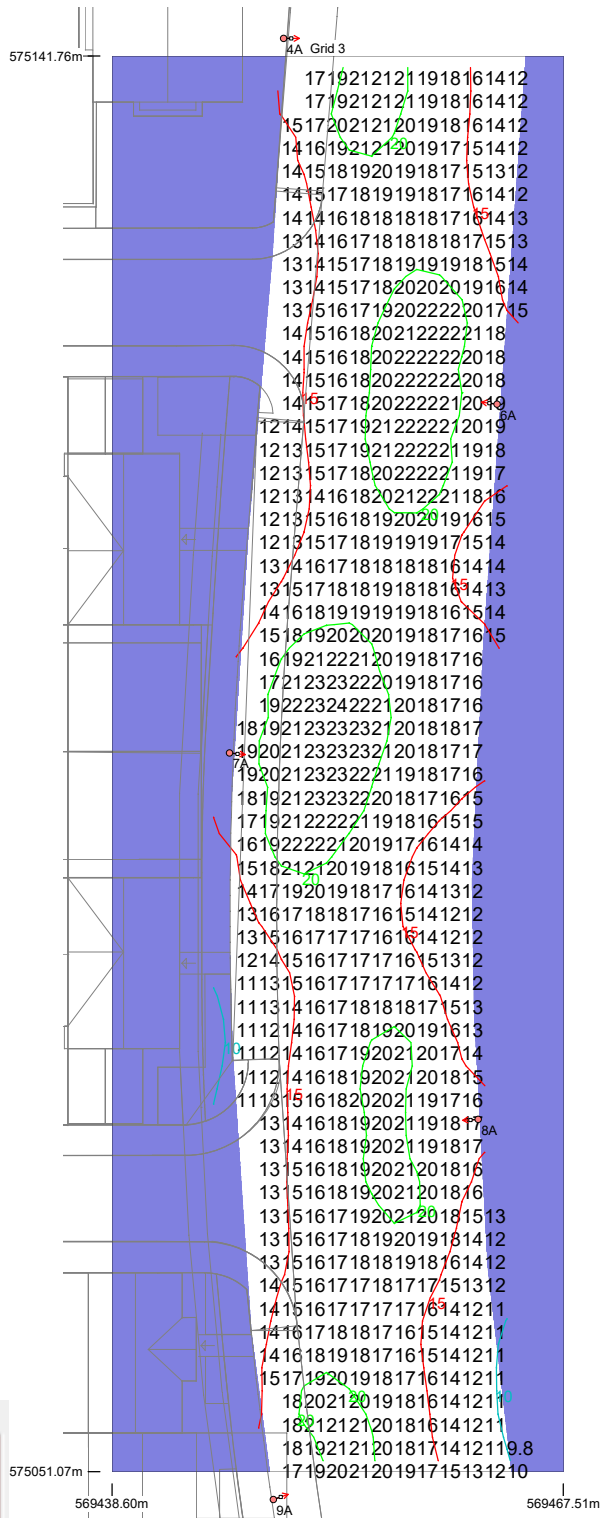


Results

Eav	16.37
Emin	7.50
Emax	32.85
Emin/Emax	0.23
Emin/Eav	0.46

Horizontal Illuminance (lux)

Grid 3



Horizontal Illuminance (lux)

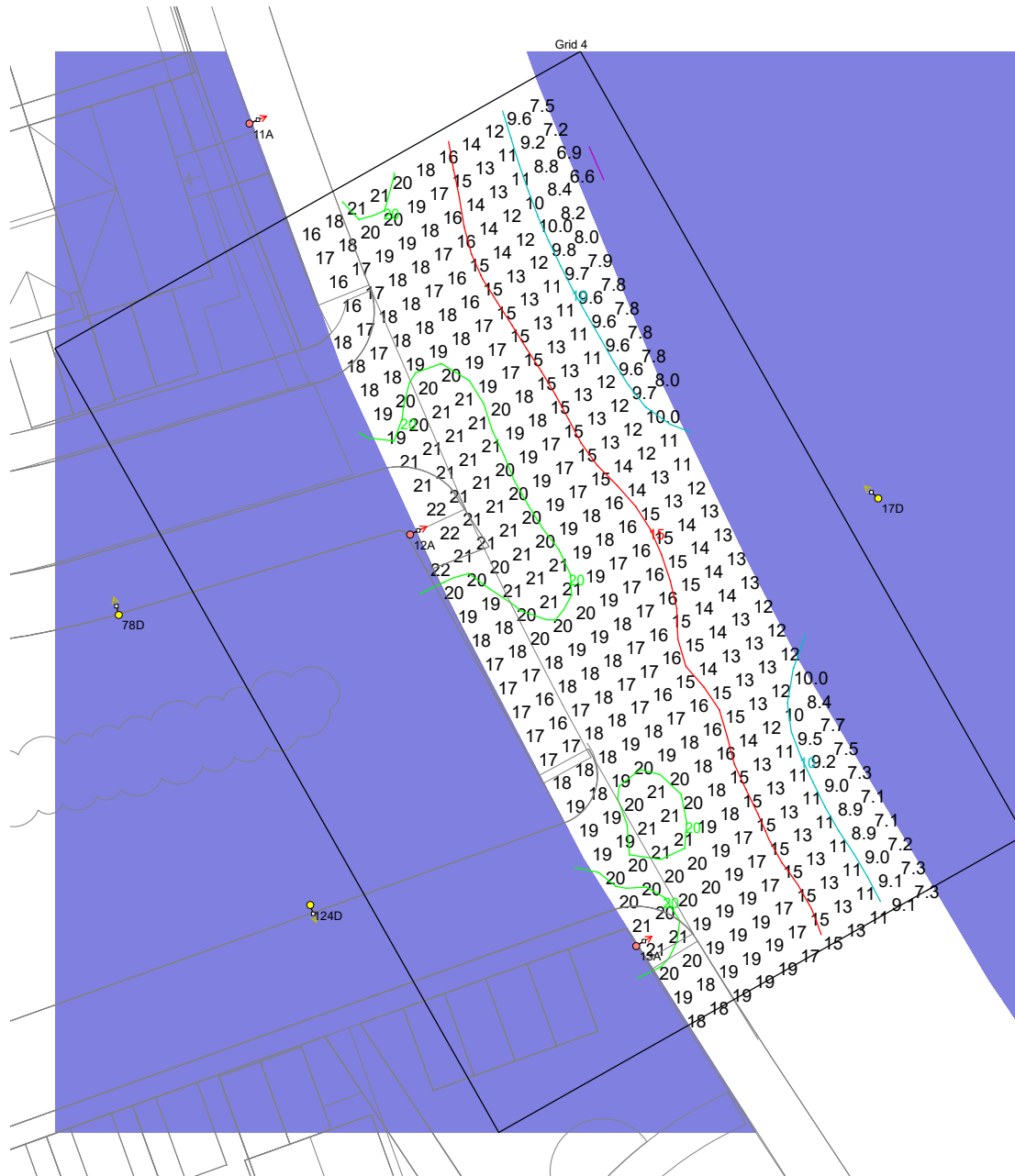
Eav = 17.13
Emin = 9.78
Emax = 23.57
Emin/Emax = 0.42
Emin/Eav = 0.57

Results

Eav	17.13
Emin	9.78
Emax	23.57
Emin/Emax	0.42

Horizontal Illuminance (lux)

Grid 4

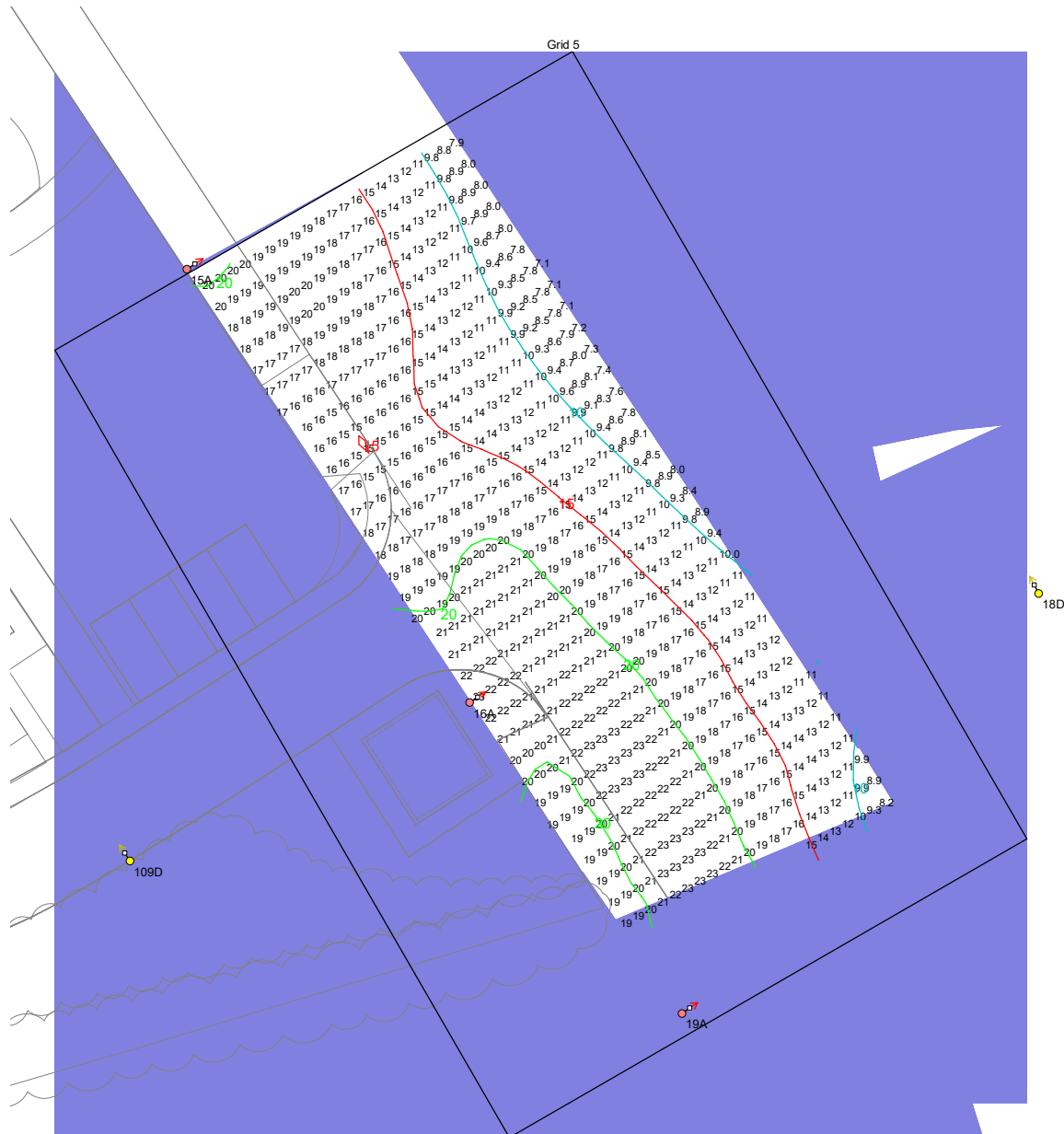


Results

Eav	15.89
Emin	6.65
E _{max}	22.22
E _{min} /E _{max}	0.30
E _{min} /E _{av}	0.42

Horizontal Illuminance (lux)

Grid 5

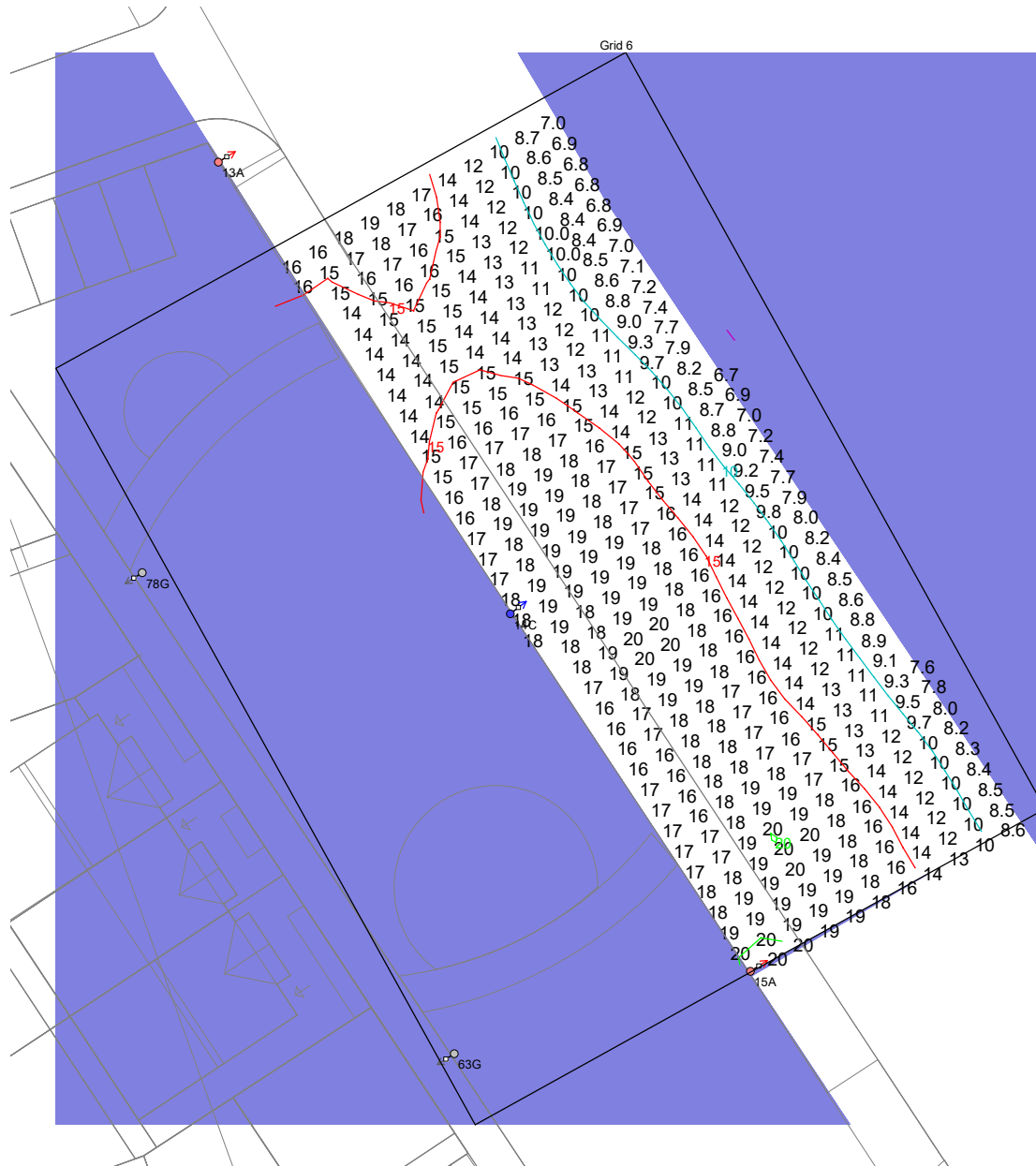


Results

Eav	16.18
Emin	7.07
E _{max}	23.49
E _{min} /E _{max}	0.30
E _{min} /E _{av}	0.44

Horizontal Illuminance (lux)

Grid 6

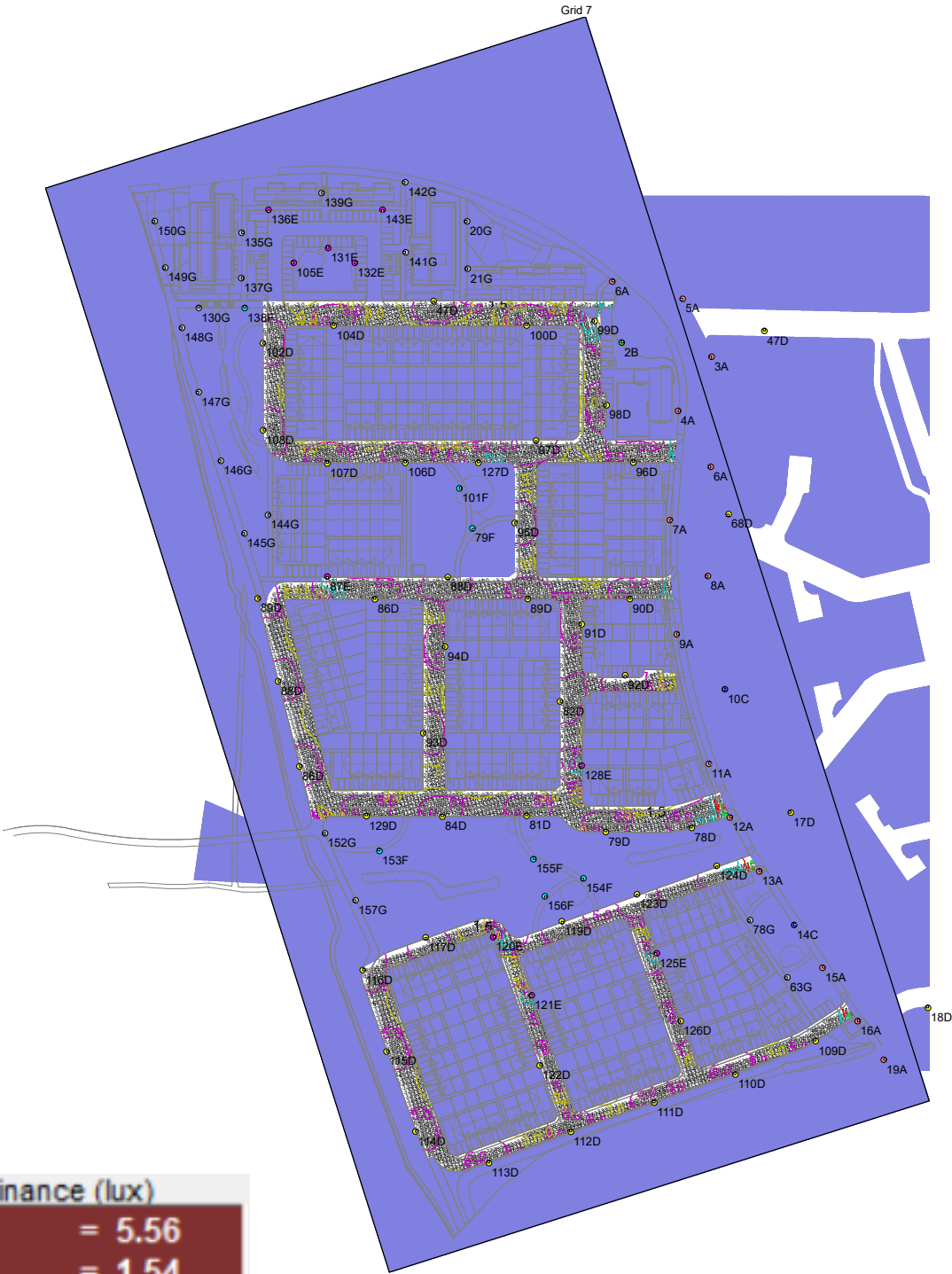


Results

Eav	14.45
Emin	6.68
Emax	20.33
Emin/Emax	0.33
Emin/Eav	0.46

Horizontal Illuminance (lux)

Grid 7



Illuminance (lux)

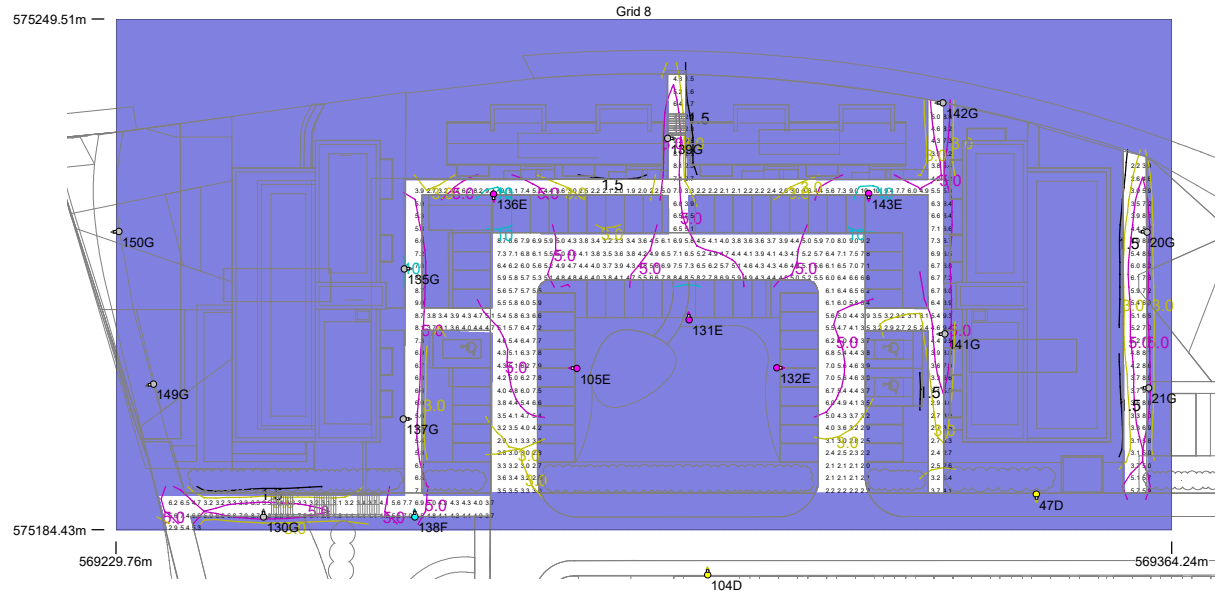
Eav	= 5.56
Emin	= 1.54
Emax	= 22.21
Emin/Emax	= 0.07
Emin/Eav	= 0.28

Results

Eav	5.56
Emin	1.54
Emax	13 22.21

Horizontal Illuminance (lux)

Grid 8



Results

Eav	5.11
Emin	1.55
Emax	10.43
Emin/Emax	0.15
Emin/Eav	0.30