

DATE: 9 September 2025
DESIGNER: DFL - UK
PROJECT No: 4074
PROJECT NAME: FOLDERS GROVE PHASE 2



Location: Folders Grove Phase 2
Environmental Zone: E2
Design Class: P6
Eav: 2.00 - 3.00 Lux
Emin: 0.40 Lux
Lighting classes as per BS5489-1:2020, the lighting levels for which
are taken from EN 13201-2:2015

This calculation shows all luminaires dimmed to 65% output to
achieve a P6 lighting class.

4074-DFL-HLG-XX-CA-EO-13004-S3-P02

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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 - P6	591.56	-56.10	50.52	38.22	1.49	1.47
2	Grid 2 - P6	641.49	-55.12	77.21	40.68	1.48	1.45
3	Grid 3 - P6	648.40	-129.76	29.92	79.74	1.50	1.48
4	Grid 4 - P6	704.42	-132.09	18.21	78.52	1.40	1.48
5	Grid 5 - P6	670.91	-136.64	38.17	15.62	1.47	1.42
6	Grid 6 - P6	641.11	-14.44	77.60	30.89	1.49	1.47
7	Grid 7 - P6	620.19	15.07	38.47	56.31	1.48	1.48

Luminaires

Luminaire B Data

Supplier	Urbis Schreder
Type	ALBANY GEN2 MIDI 5305 [Deep shape PC], [Lum. shape-related, P
Lamp(s)	20 LH351C@200mA WW 727 230V 01-37-043
LampFlux(klm)/Colour	2.04 WW 2700K/70
File Name	13.2W 548552 [Deep shape PC], [Lum. shape-related, Plastic, White] BL 230V EF .ldt
Maintenance Factor	0.75
Lum. Int. Class	G1
No. in Project	19

Luminaire C Data

Supplier	Urbis Schreder
Type	ALBANY GEN2 MIDI 5366 [Deep shape PC], [Lum. shape-related, P
Lamp(s)	20 LH351C@200mA WW 727 230V 01-37-043
LampFlux(klm)/Colour	2.04 WW 2700K/70
File Name	13.2W 548672 [Deep shape PC], [Lum. shape-related, Plastic, White] BL 230V EF .ldt
Maintenance Factor	0.75
Lum. Int. Class	G3
No. in Project	1

Layout

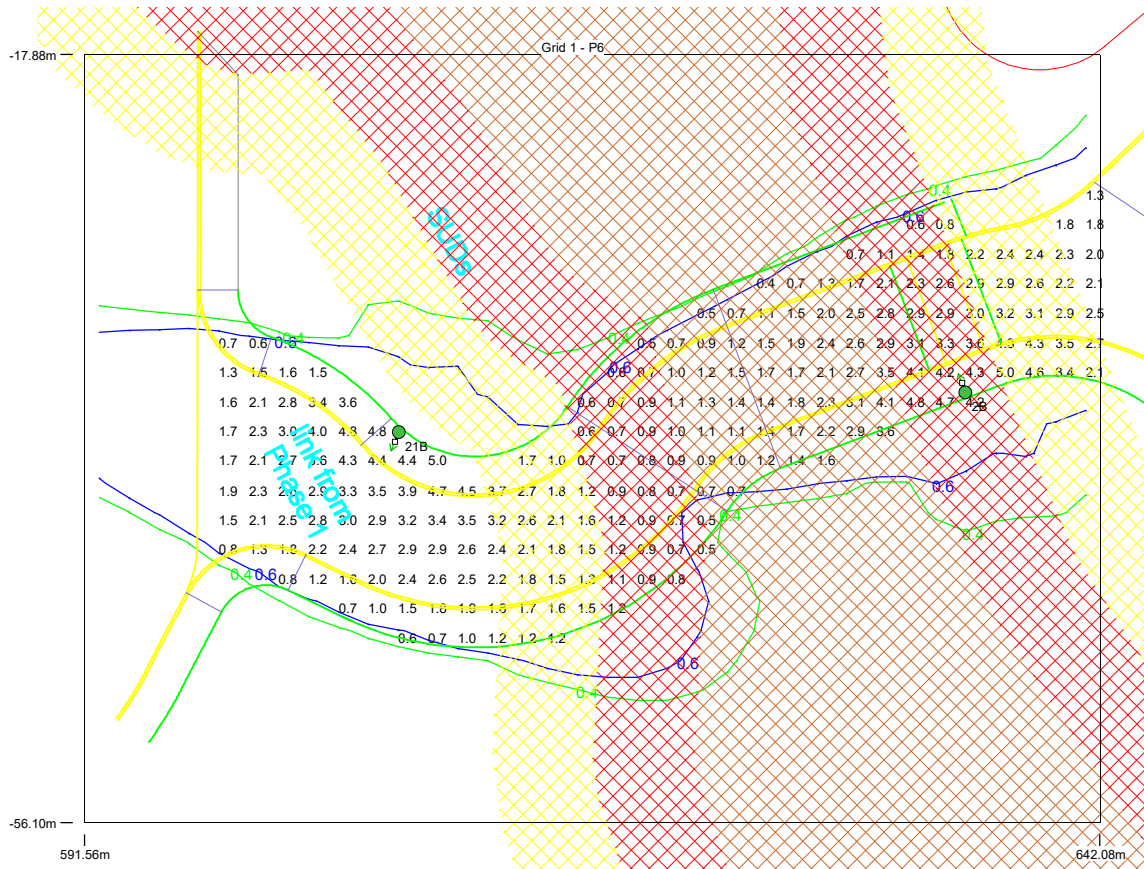
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	B	710.17	-77.76	6.00	7.00	0.00	0.00	0.50	65%			
2	B	635.36	-34.69	6.00	110.00	0.00	0.00	0.50	65%			
3	B	655.69	-36.59	6.00	204.00	0.00	0.00	0.50	65%			
4	B	670.95	-37.45	6.00	291.00	0.00	0.00	0.50	65%			
5	B	698.57	-33.21	6.00	273.00	0.00	0.00	0.50	65%			
6	B	706.98	-48.29	6.00	0.00	0.00	0.00	0.50	65%			
7	B	710.26	-115.84	6.00	358.00	0.00	0.00	0.50	65%			
8	B	690.84	-123.88	6.00	264.00	0.00	0.00	0.50	65%			
9	B	672.88	-108.68	6.00	192.00	0.00	0.00	0.50	65%			
10	B	666.37	-83.03	6.00	197.00	0.00	0.00	0.50	65%			
12	B	658.42	-60.10	6.00	194.00	0.00	0.00	0.50	65%			
13	B	710.60	-24.34	6.00	0.00	0.00	0.00	0.50	65%			
14	B	660.97	-2.73	6.00	169.00	0.00	0.00	0.50	65%			
15	B	664.88	16.24	6.00	270.00	0.00	0.00	0.50	65%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
16	B	699.31	16.05	6.00	268.00	0.00	0.00	0.50	65%			
17	B	711.08	-0.31	6.00	0.00	0.00	0.00	0.50	65%			
18	B	648.64	30.85	6.00	191.00	0.00	0.00	0.50	65%			
19	C	631.91	66.90	6.00	262.00	0.00	0.00	0.50	65%			
20	B	639.58	50.29	6.00	353.00	0.00	0.00	0.50	65%			
21	B	607.18	-36.66	6.00	248.00	0.00	0.00	0.50	65%			

Horizontal Illuminance (lux)

Grid 1 - P6

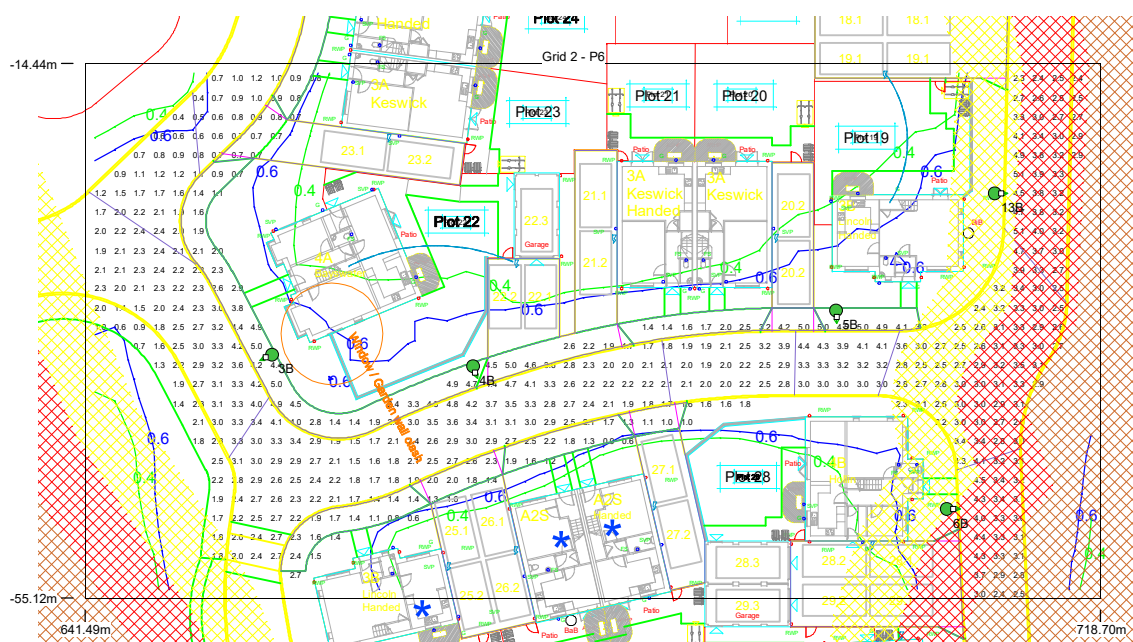


Results

Eav	2.07
Emin	0.43
Emax	4.98
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 2 - P6

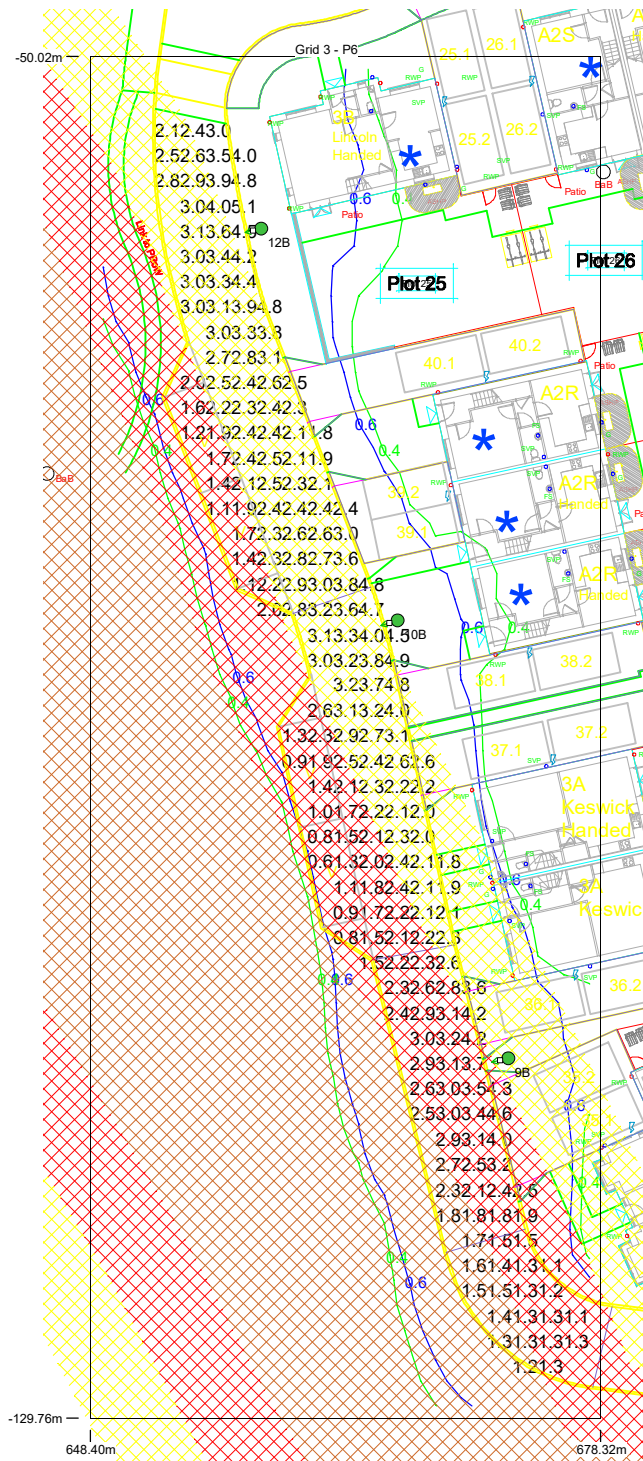


Results

Eav	2.54
Emin	0.43
Emax	5.13
Emin/Emax	0.08
Emin/Eav	0.17

Horizontal Illuminance (lux)

Grid 3 - P6

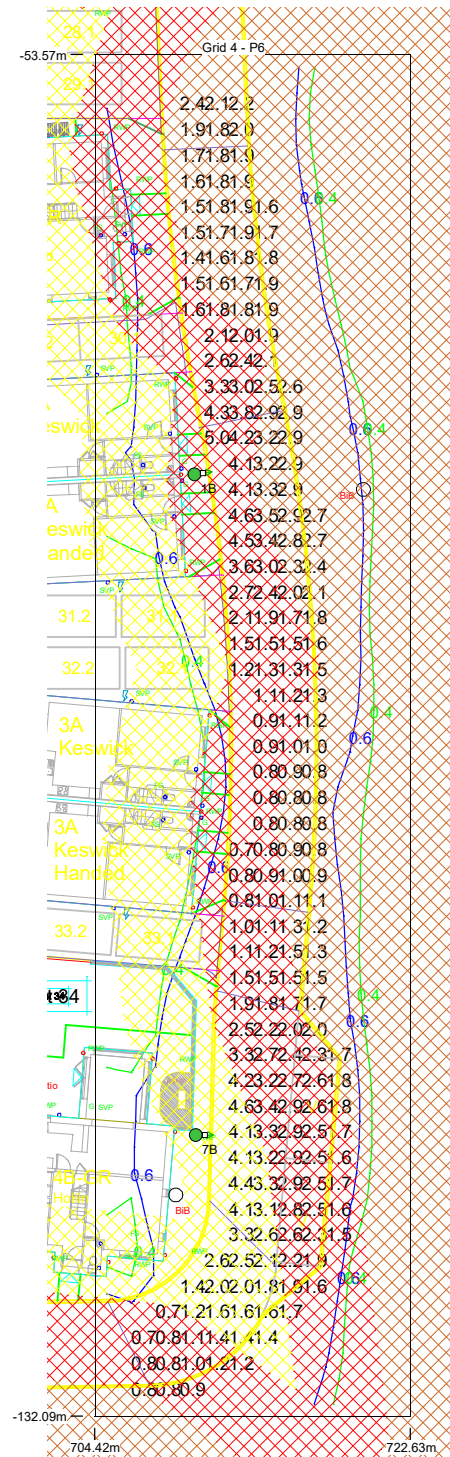


Results

Eav	2.53
Emin	0.60
Emax	5.14
Emin/Emax	0.12
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 4 - P6

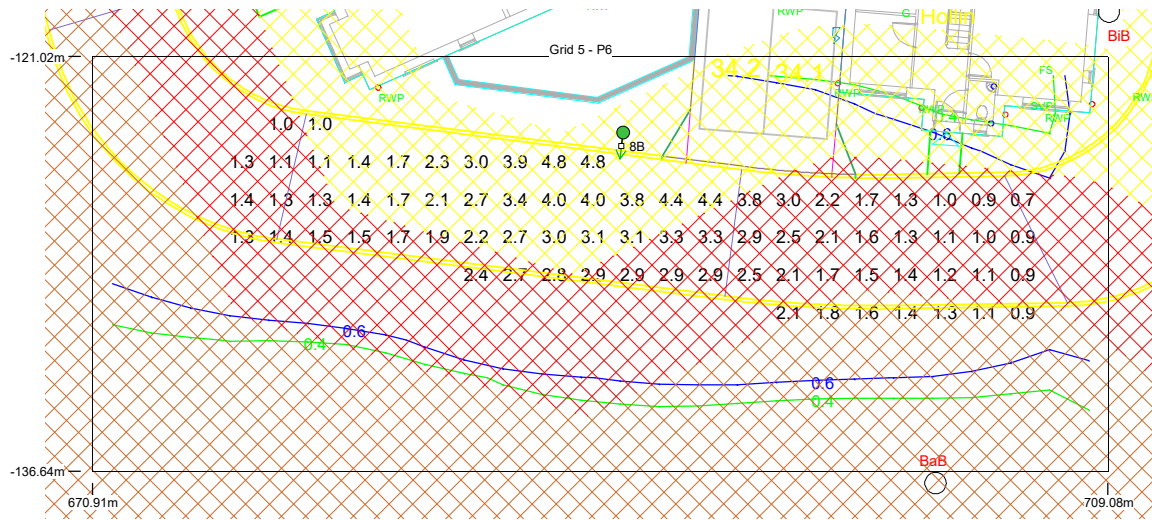


Results

Eav	2.02
Emin	0.69
Emax	4.96
Emin/Emax	0.14
Emin/Eav	0.34

Horizontal Illuminance (lux)

Grid 5 - P6

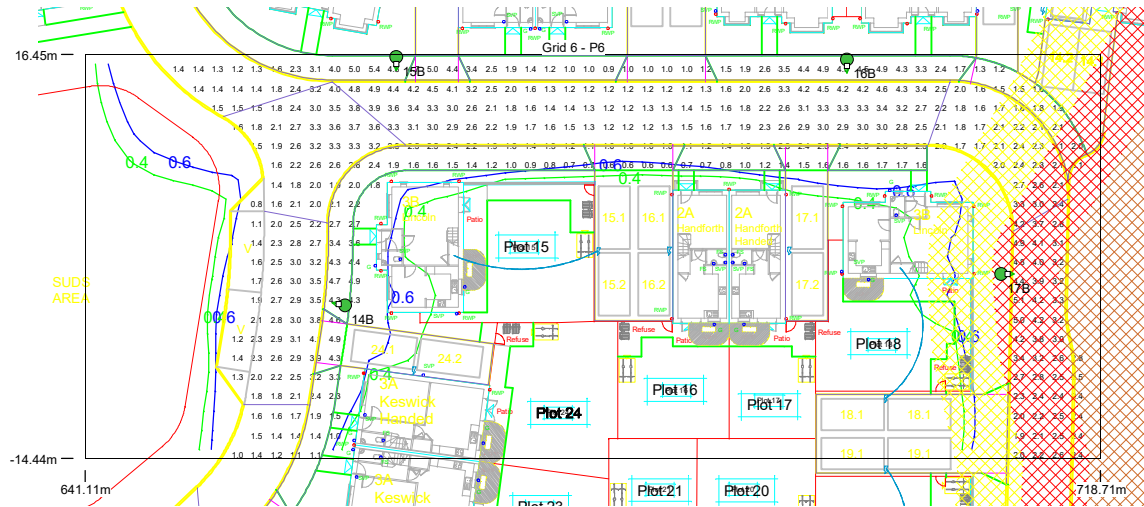


Results

Eav	2.16
Emin	0.73
Emax	4.82
Emin/Emax	0.15
Emin/Eav	0.34

Horizontal Illuminance (lux)

Grid 6 - P6

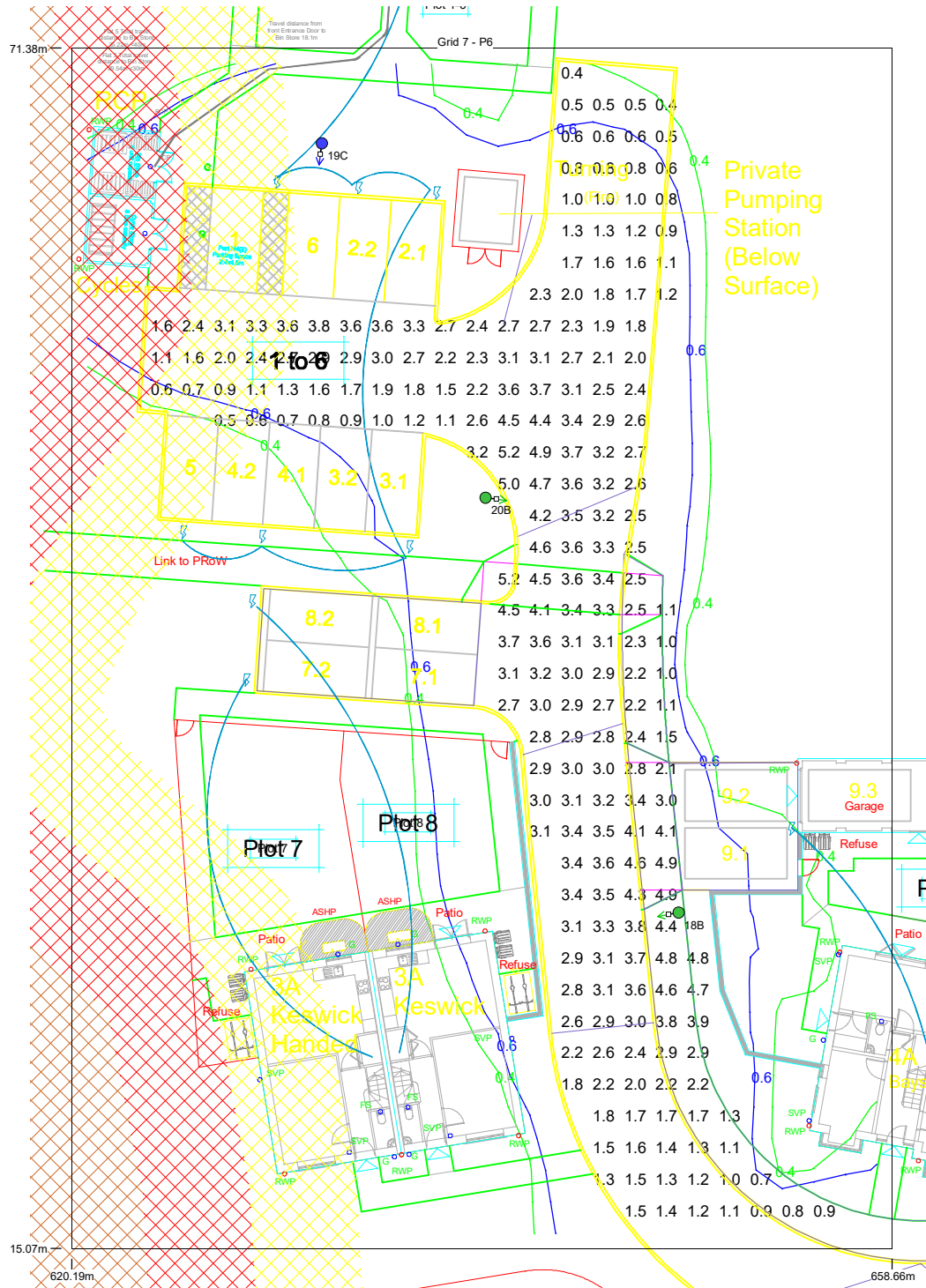


Results

Eav	2.38
Emin	0.61
E _{max}	5.36
E _{min} /E _{max}	0.11
E _{min} /E _{av}	0.26

Horizontal Illuminance (lux)

Grid 7 - P6



Results

Eav	2.46
Emin	0.40
Emax	5.24
Emin/Emax	0.08
Emin/Eav	0.16