

DATE: 17 February 2026
DESIGNER: AJ
PROJECT No: 0119710
PROJECT NAME: CNWQR Cork Housing Estate P3C

**LIGHTING
REALITY**

- Primary streets are designed in accordance with EN13201-2:2015 to category P2.
- Secondary streets are designed in accordance with EN13201-2:2015 to category P3.
- Footpaths are designed in accordance with EN13201-2:2015 to minimum category P4.
Maintenance factor 0.88

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	565474.89	572992.34	182.38	84.75	1.49	1.49
2	Grid 2	565537.58	573000.25	60.07	67.29	1.47	1.50
3	Grid 3	565630.43	573043.75	13.43	59.52	1.49	1.49
4	Grid 4	565612.04	573034.91	21.58	56.07	1.44	1.48
5	Grid 5	565599.58	573013.01	27.62	23.61	1.45	1.48
6	Grid 6	565474.84	573013.81	60.61	33.06	1.48	1.44

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	E950-28-P6A-730-SD0275-13W
Lamp(s)	730SA
Lamp Flux (klm)	1.64
File Name	E950-28-P6A-730-SD0275-13W.ies
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	803.0, 171.3, 0.0
No. in Project	25



Luminaire B Data

Supplier	C U Phosco
Type	E950-28-P4P-730-SD0200-10W
Lamp(s)	730SA
Lamp Flux (klm)	1.20
File Name	E950-28-P4P-730-SD0200-10W.ies
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	684.3, 224.3, 3.7
No. in Project	12

Layout

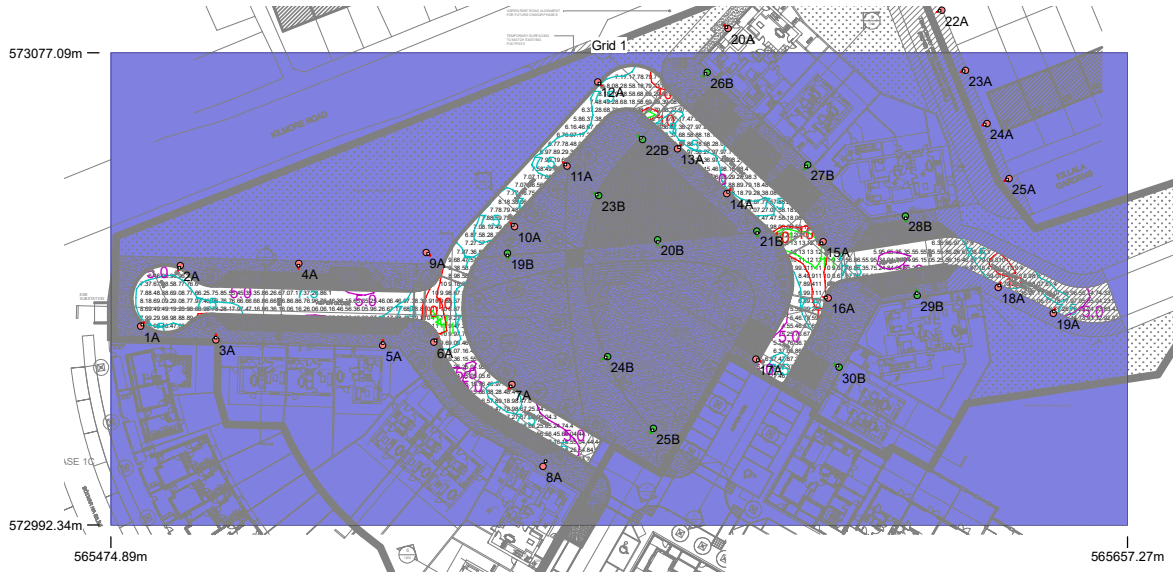
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	565480.24	573028.04	8.00	51.00	0.00	0.00	0.40			
2	A	565487.37	573038.89	8.00	243.00	0.00	0.00	0.40			
3	A	565493.74	573025.62	8.00	91.00	0.00	0.00	0.40			
4	A	565508.57	573039.34	8.00	267.00	0.00	0.00	0.40			
5	A	565523.65	573024.62	8.00	89.00	0.00	0.00	0.40			
6	A	565532.81	573025.19	8.00	45.00	0.00	0.00	0.40			
7	A	565546.84	573017.59	8.00	233.00	0.00	0.00	0.40			
8	A	565552.38	573002.94	8.00	61.00	0.00	0.00	1.00			
9	A	565531.44	573041.24	8.00	326.00	0.00	0.00	0.40			
10	A	565547.30	573045.92	8.00	138.00	0.00	0.00	0.40			
11	A	565556.71	573056.79	8.00	138.00	0.00	0.00	0.40			
12	A	565562.22	573071.86	8.00	317.00	0.00	0.00	0.40			
13	A	565576.48	573059.86	8.00	43.00	0.00	0.00	0.40			
14	A	565585.36	573051.81	8.00	53.00	0.00	0.00	0.40			
15	A	565602.61	573043.22	8.00	221.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
16	A	565603.54	573033.11	8.00	171.00	0.00	0.00	0.40			
18	A	565634.02	573035.02	8.00	63.00	0.00	0.00	0.40			
19	B	565546.00	573041.15	6.00	276.00	0.00	0.00	0.40			
20	B	565572.95	573043.57	6.00	276.00	0.00	0.00	0.40			
21	B	565590.76	573045.14	6.00	276.00	0.00	0.00	0.40			
22	B	565570.24	573061.54	6.00	138.00	0.00	0.00	0.40			
23	B	565562.39	573051.48	6.00	157.00	0.00	0.00	0.40			
24	B	565564.01	573022.63	6.00	204.00	0.00	0.00	0.40			
25	B	565572.21	573009.75	6.00	239.00	0.00	0.00	0.40			
26	B	565581.82	573073.57	6.00	225.00	0.00	0.00	0.40			
27	B	565599.88	573056.98	6.00	225.00	0.00	0.00	0.40			
28	B	565617.35	573047.82	6.00	278.00	0.00	0.00	0.40			
29	B	565619.51	573033.58	6.00	102.00	0.00	0.00	0.40			
30	B	565605.52	573020.72	6.00	148.00	0.00	0.00	0.40			
19	A	565643.91	573030.33	8.00	73.00	0.00	0.00	0.40			
17	A	565590.58	573022.17	8.00	330.00	0.00	0.00	0.40			
25	A	565635.97	573054.53	8.00	206.00	0.00	0.00	0.40			
24	A	565632.01	573064.40	8.00	201.00	0.00	0.00	0.40			
23	A	565628.17	573073.92	8.00	199.00	0.00	0.00	0.40			
22	A	565623.90	573084.74	8.00	201.00	0.00	0.00	0.40			
21	A	565619.47	573095.30	8.00	199.00	0.00	0.00	0.40			
20	A	565585.59	573081.42	8.00	138.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

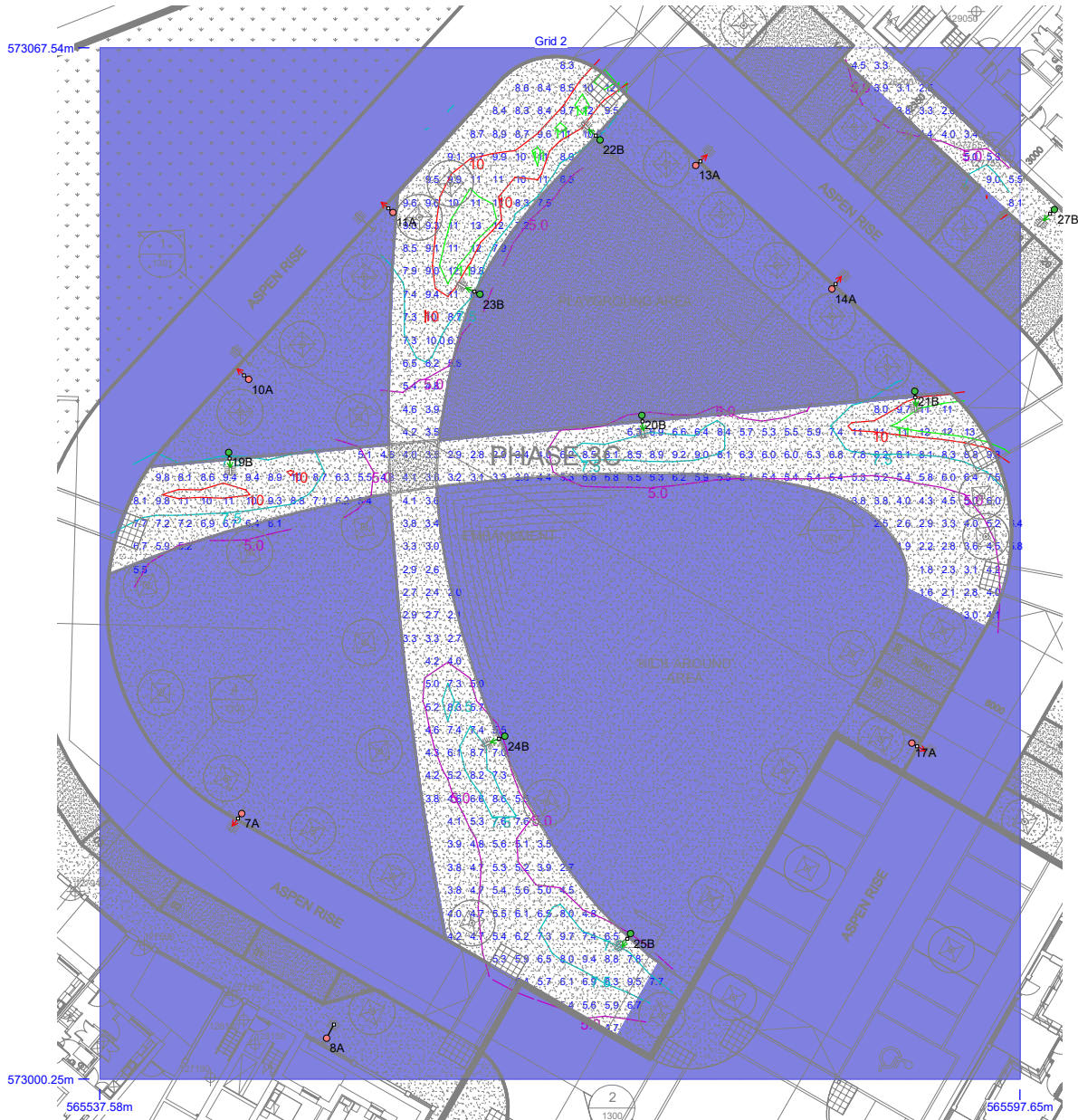


Results

Eav	7.50
Emin	2.37
Emax	14.70
Emin/Emax	0.16
Emin/Eav	0.32

Horizontal Illuminance (lux)

Grid 2

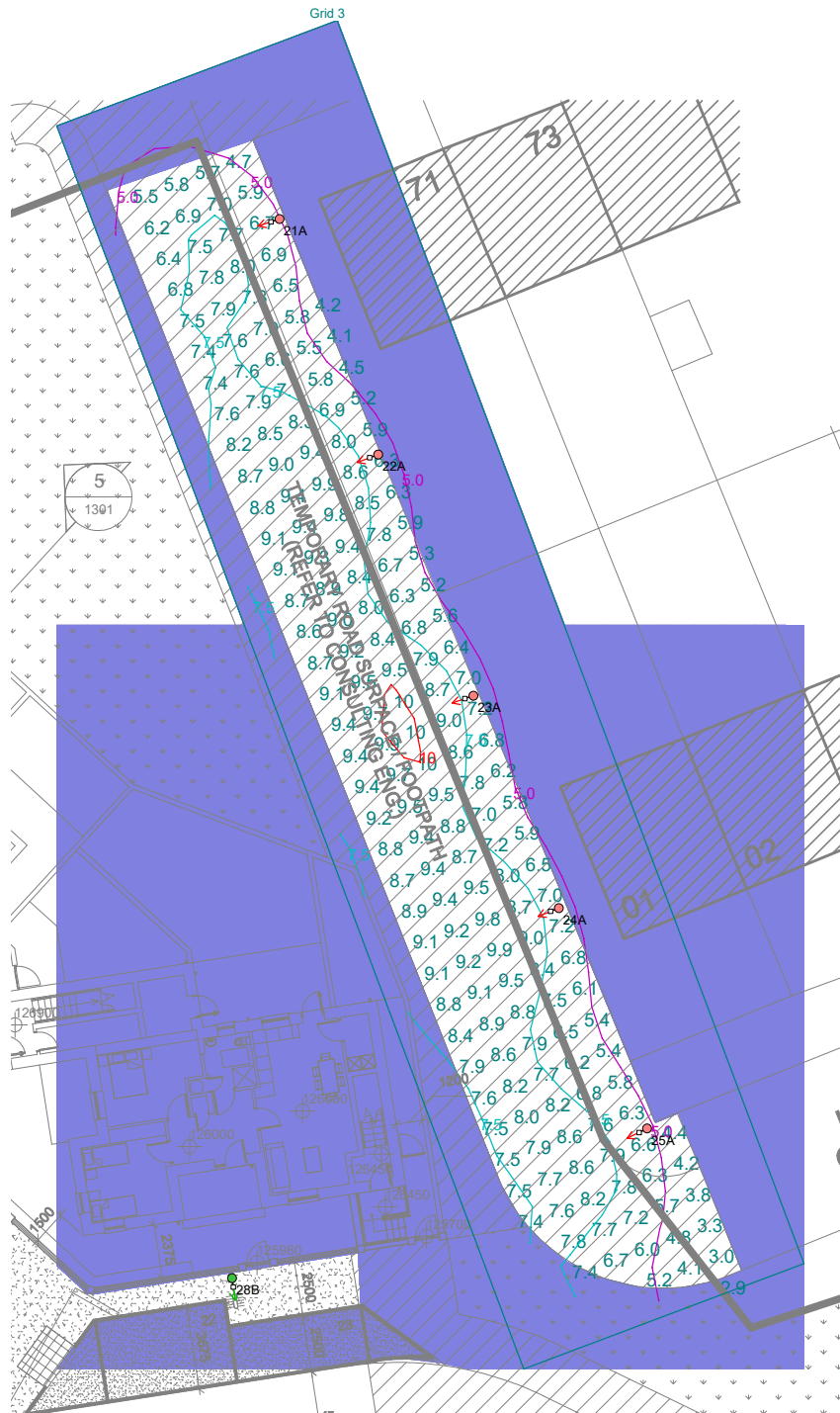


Results

Eav	6.52
Emin	1.65
Emax	13.02
Emin/Emax	0.13
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 3

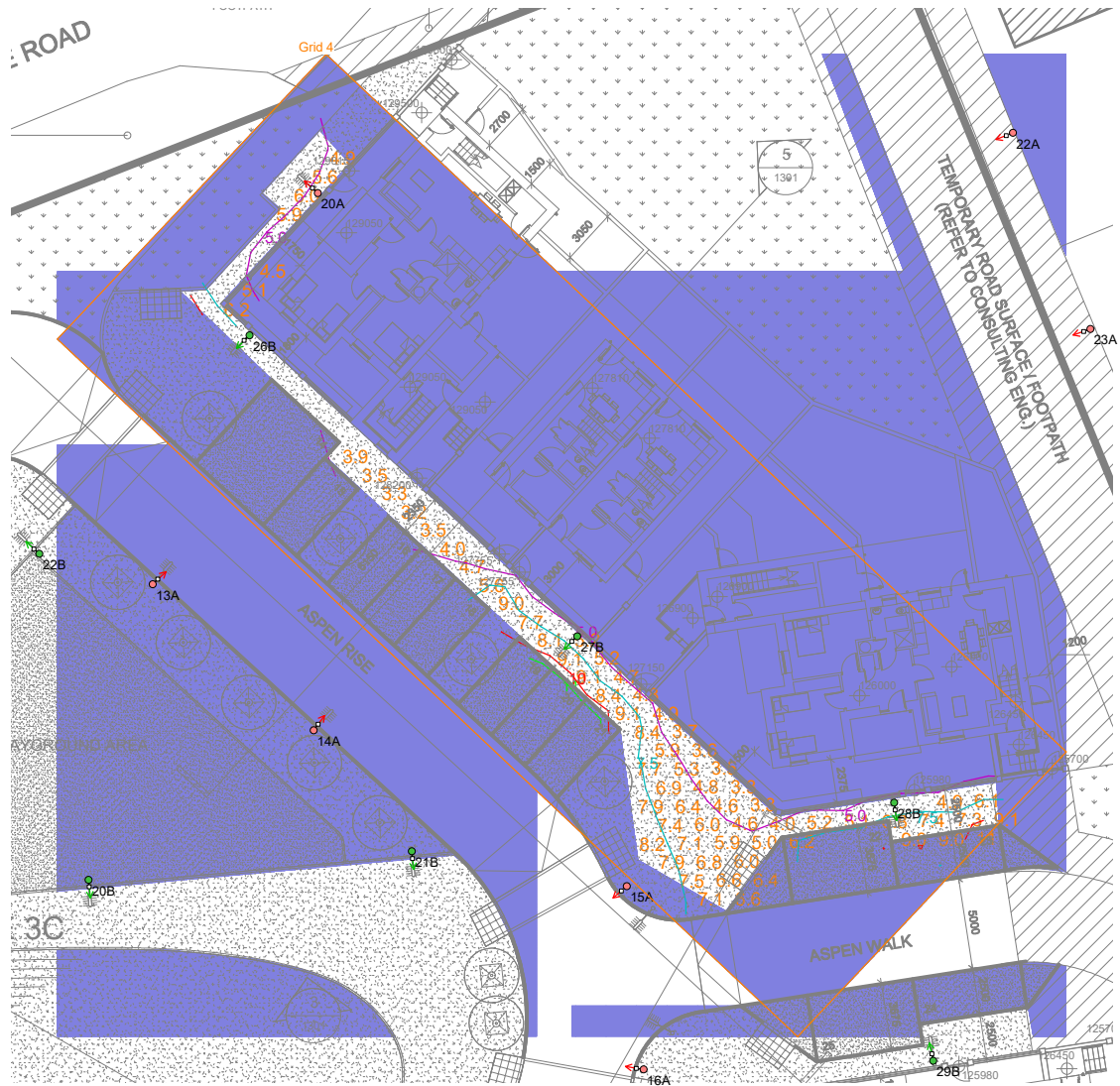


Results

Eav	7.56
Emin	2.92
Emax	10.39
Emin/Emax	0.28
Emin/Eav	0.39

Horizontal Illuminance (lux)

Grid 4

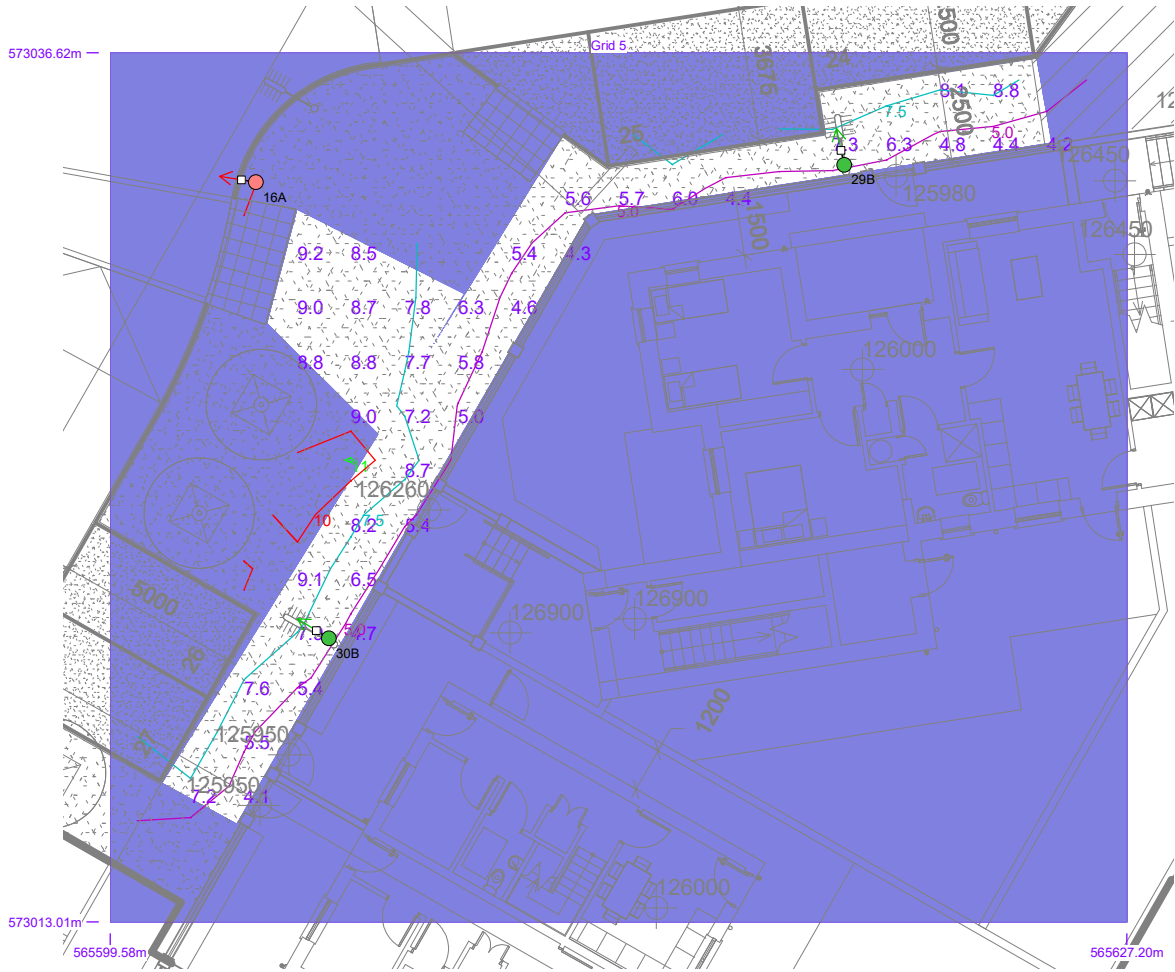


Results

Eav	6.09
Emin	3.25
Emax	10.65
Emin/Emax	0.30
Emin/Eav	0.53

Horizontal Illuminance (lux)

Grid 5

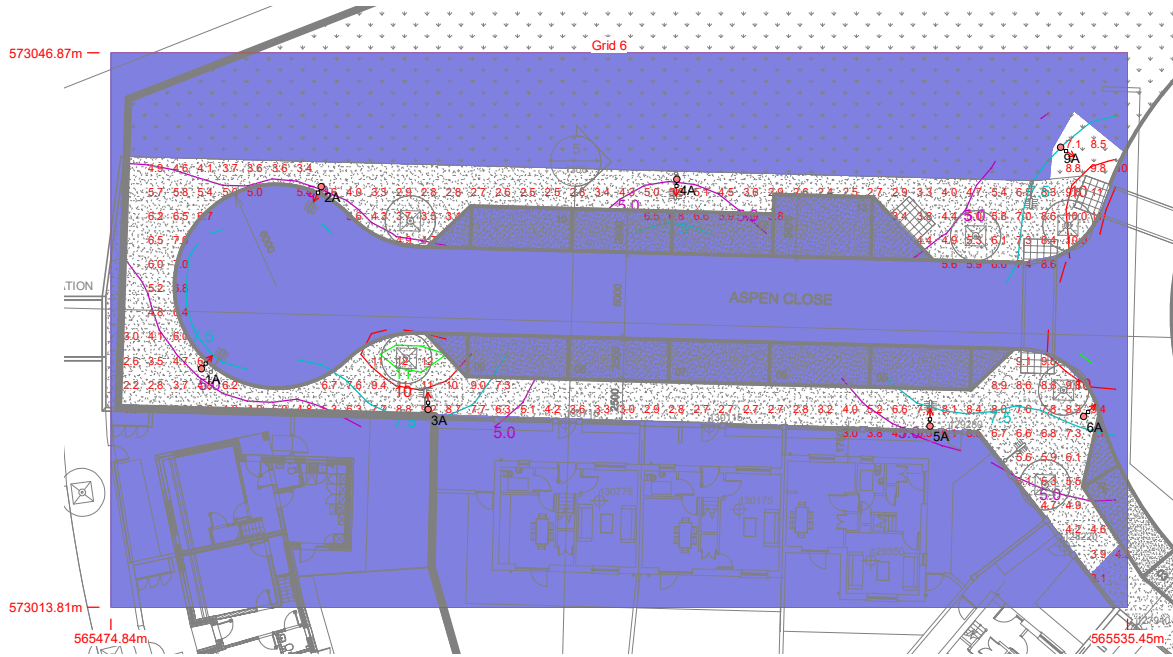


Results

Eav	6.71
Emin	4.15
E _{max}	9.15
E _{min} /E _{max}	0.45
E _{min} /E _{av}	0.62

Horizontal Illuminance (lux)

Grid 6



Results

Eav	5.65
Emin	1.91
Emax	11.62
Emin/Emax	0.16
Emin/Eav	0.34