

DATE: 24 July 2026
DESIGNER: Shane Bradley
PROJECT No: SDCC25
PROJECT NAME: Elmfield Housing Development R3



Proposed Housing Development R3
Elmfield
Ninth Lock Road
Clondalkin, Dublin 22.

Housing Lighting Class P3, Public Road P2
Mounting Height 6 Mtr & 8 Mtr Public Road

Lantern A: Philips BGP530 Citysoul Gen 2 T35 S GRN50
Lantern B: Philips BGP530 Citysoul Gen 2 T35 DM GRNN50
Lantern C: Philips BGP292 Lumistreet Gen 2 DM50 9.50 klm
Lantern D: Philips BGP294 Lumistreet Gen 2 DW50 22.00 klm
CCT: 3000K (Warm White)

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	707023.92	731947.39	137.30	74.89	1.49	1.50
2	Grid 2	706993.66	731847.13	170.04	100.22	1.49	1.50
3	Grid 3- Amenity Area	707098.57	731974.00	25.77	14.14	1.03	0.57
4	Grid 4-Amenity Area	707099.57	731866.57	23.90	34.82	1.49	1.45
5	Grid 5-Amenity Area	707016.47	731867.78	25.29	33.85	1.01	1.35

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP530 T35 S GRN50/- NO
Lamp(s)	GRN50/830/-
LampFlux(klm)/Colour	5.00 -/-
File Name	BGP530 T35 1xGRN50_830 S.lgt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	332.2, 38.0, 0.0
No. in Project	34



Luminaire B Data

Supplier	Philips
Type	BGP530 T35 DM GRN50/- NO
Lamp(s)	GRN50/830/-
LampFlux(klm)/Colour	5.00 -/-
File Name	BGP530 T35 1xGRN50_830 DM.lgt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	525.2, 72.6, 0.0
No. in Project	8

Layout

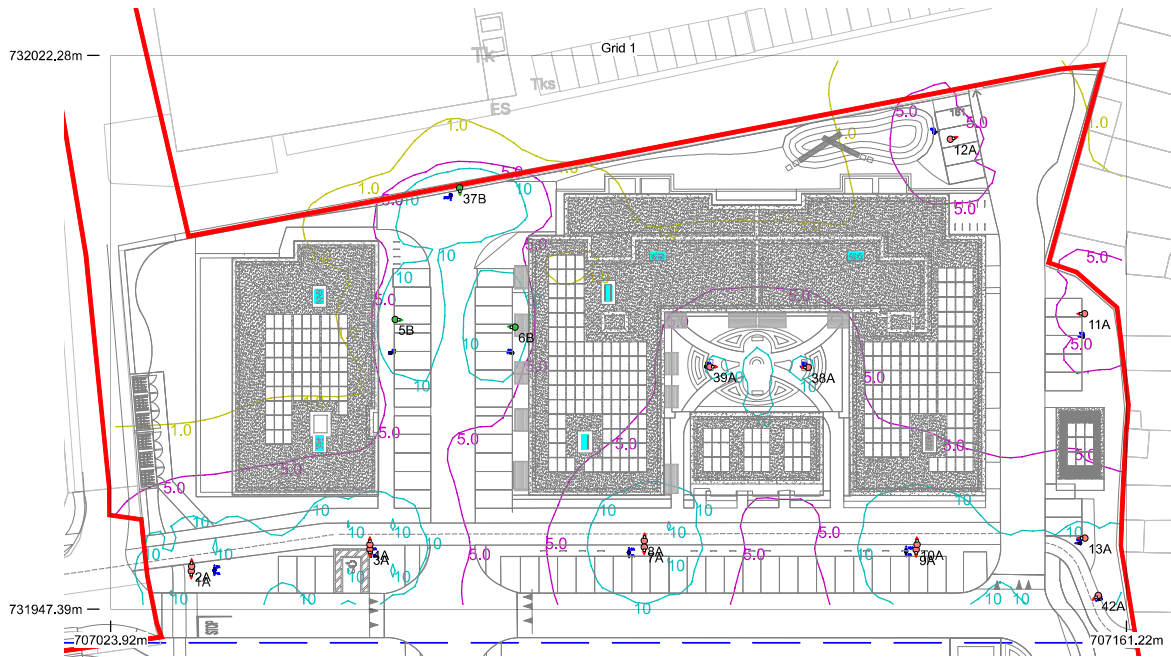
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	707034.80	731952.55	6.00	271.00	0.00	0.00	0.45			
2	A	707034.85	731953.20	6.00	91.00	0.00	0.00	0.45			
3	A	707058.94	731955.51	6.00	270.00	0.00	0.00	0.45			
4	A	707058.91	731956.15	6.00	90.00	0.00	0.00	0.45			
5	B	707062.36	731986.60	6.00	354.00	0.00	0.00	0.45			
6	B	707078.53	731985.53	6.00	175.00	5.00	0.00	0.45			
7	A	707095.99	731955.83	6.00	270.00	0.00	0.00	0.45			
8	A	707096.00	731956.69	6.00	86.00	0.00	0.00	0.45			
9	A	707132.75	731955.48	6.00	270.00	0.00	0.00	0.45			
10	A	707132.87	731956.17	6.00	92.00	0.00	0.00	0.45			
11	A	707155.51	731987.35	6.00	179.00	5.00	0.00	0.45			
12	A	707137.38	732010.98	6.00	16.00	5.00	0.00	0.45			
13	A	707155.58	731957.01	6.00	180.00	5.00	0.00	0.45			
14	A	707005.78	731925.29	6.00	270.00	0.00	0.00	0.45			
15	A	707005.73	731926.05	6.00	95.00	0.00	0.00	0.45			
16	A	707037.11	731927.69	6.00	88.00	0.00	0.00	0.45			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
17	A	707037.11	731926.75	6.00	270.00	0.00	0.00	0.45			
18	A	707062.32	731926.94	6.00	270.00	0.00	0.00	0.45			
19	A	707062.38	731927.87	6.00	95.00	0.00	0.00	0.45			
20	A	707084.75	731926.20	6.00	90.00	5.00	0.00	0.45			
21	A	707084.83	731925.31	6.00	270.00	0.00	0.00	0.45			
22	A	707109.68	731926.20	6.00	92.00	5.00	0.00	0.45			
23	A	707109.68	731925.23	6.00	270.00	0.00	0.00	0.45			
24	A	707142.70	731926.54	6.00	93.00	5.00	0.00	0.45			
25	A	707142.65	731925.50	6.00	270.00	0.00	0.00	0.45			
26	B	707062.45	731904.42	6.00	355.00	0.00	0.00	0.45			
27	B	707078.26	731890.32	6.00	174.00	5.00	0.00	0.45			
28	B	707062.26	731874.39	6.00	355.00	0.00	0.00	0.45			
29	A	707078.29	731865.19	6.00	180.00	0.00	0.00	0.45			
30	B	707144.65	731892.33	6.00	0.00	0.00	0.00	0.42			
31	A	707045.38	731856.66	6.00	108.00	0.00	0.00	0.45			
32	A	707009.13	731850.35	6.00	100.00	0.00	0.00	0.45			
33	B	707160.18	731902.29	6.00	173.00	0.00	0.00	0.45			
34	A	707159.89	731878.34	6.00	185.00	0.00	0.00	0.45			
35	A	707032.41	731885.28	6.00	90.00	0.00	0.00	0.45			
36	A	707111.65	731883.94	6.00	272.00	0.00	0.00	0.45			
37	B	707071.07	732004.34	6.00	276.00	0.00	0.00	0.42			
38	A	707118.18	731980.08	6.00	179.00	0.00	0.00	0.42			
39	A	707104.85	731980.20	6.00	0.00	0.00	0.00	0.42			
40	A	707111.67	731884.61	6.00	88.00	0.00	0.00	0.42			
41	A	707032.43	731884.60	6.00	274.00	0.00	0.00	0.42			
42	A	707157.38	731949.29	6.00	220.00	0.00	0.00	0.42			

Horizontal Illuminance (lux)

Grid 1

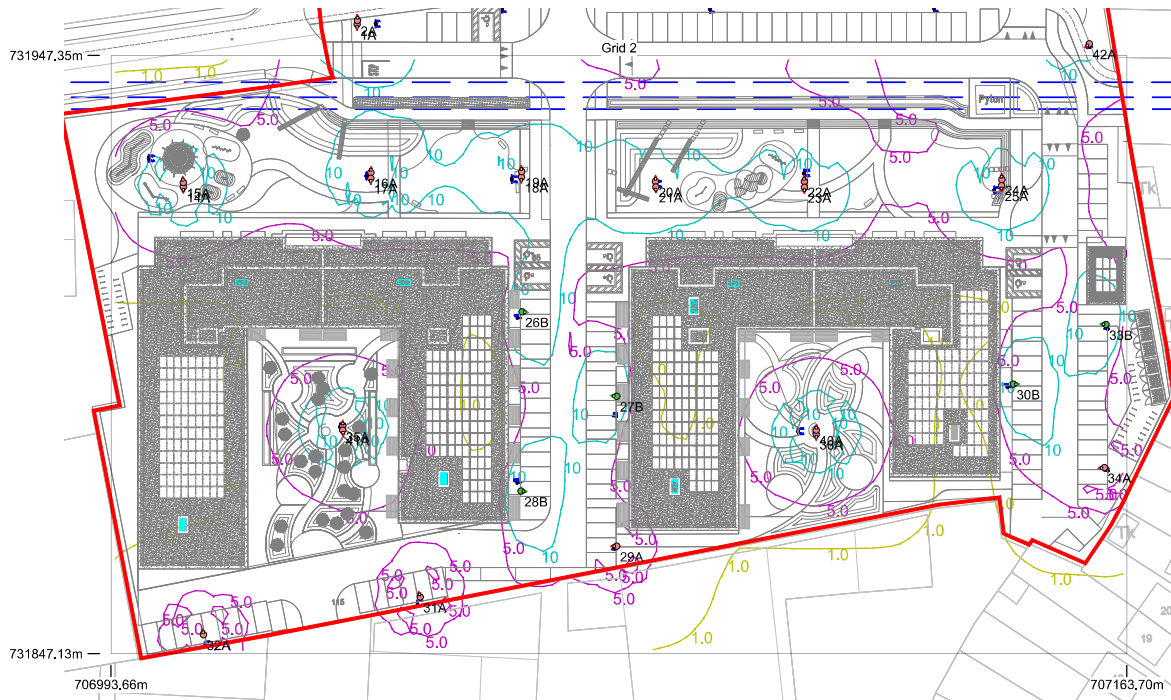


Results

Eav	8.44
Emin	1.52
Emax	32.12
Emin/Emax	0.05
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 2



Results

Eav	8.13
Emin	1.55
Emax	31.00
Emin/Emax	0.05
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 1



Results

Eav	8.44
Emin	1.52
Emax	32.12
Emin/Emax	0.05
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 1

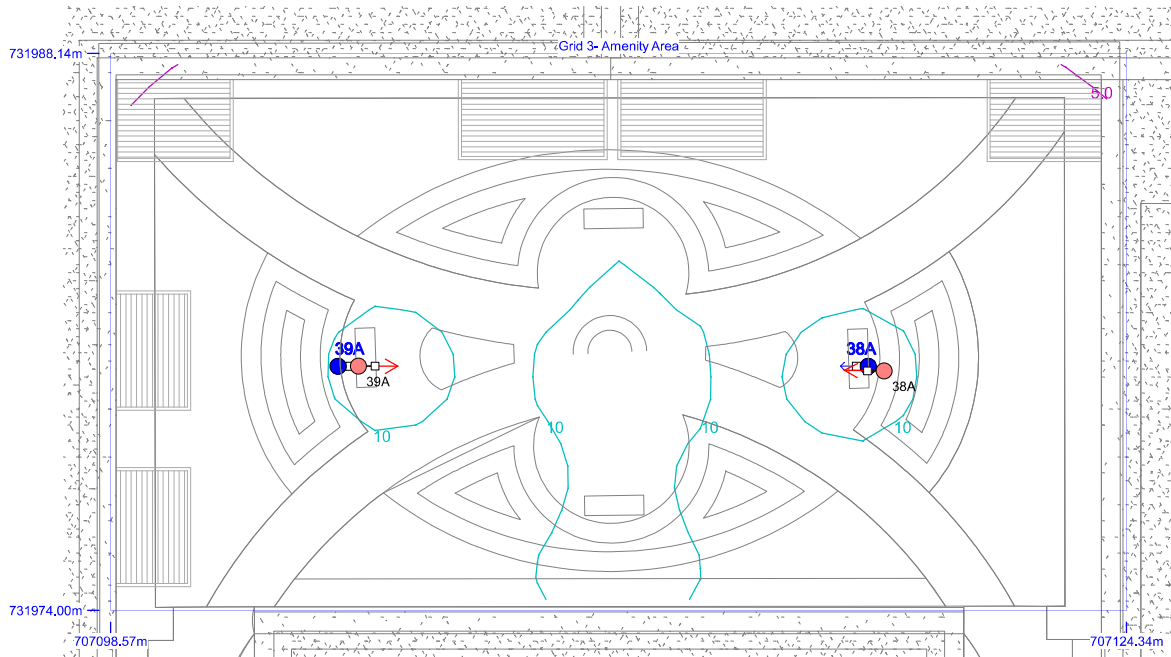


Results

Eav	8.44
Emin	1.52
Emax	32.12
Emin/Emax	0.05
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 3- Amenity Area

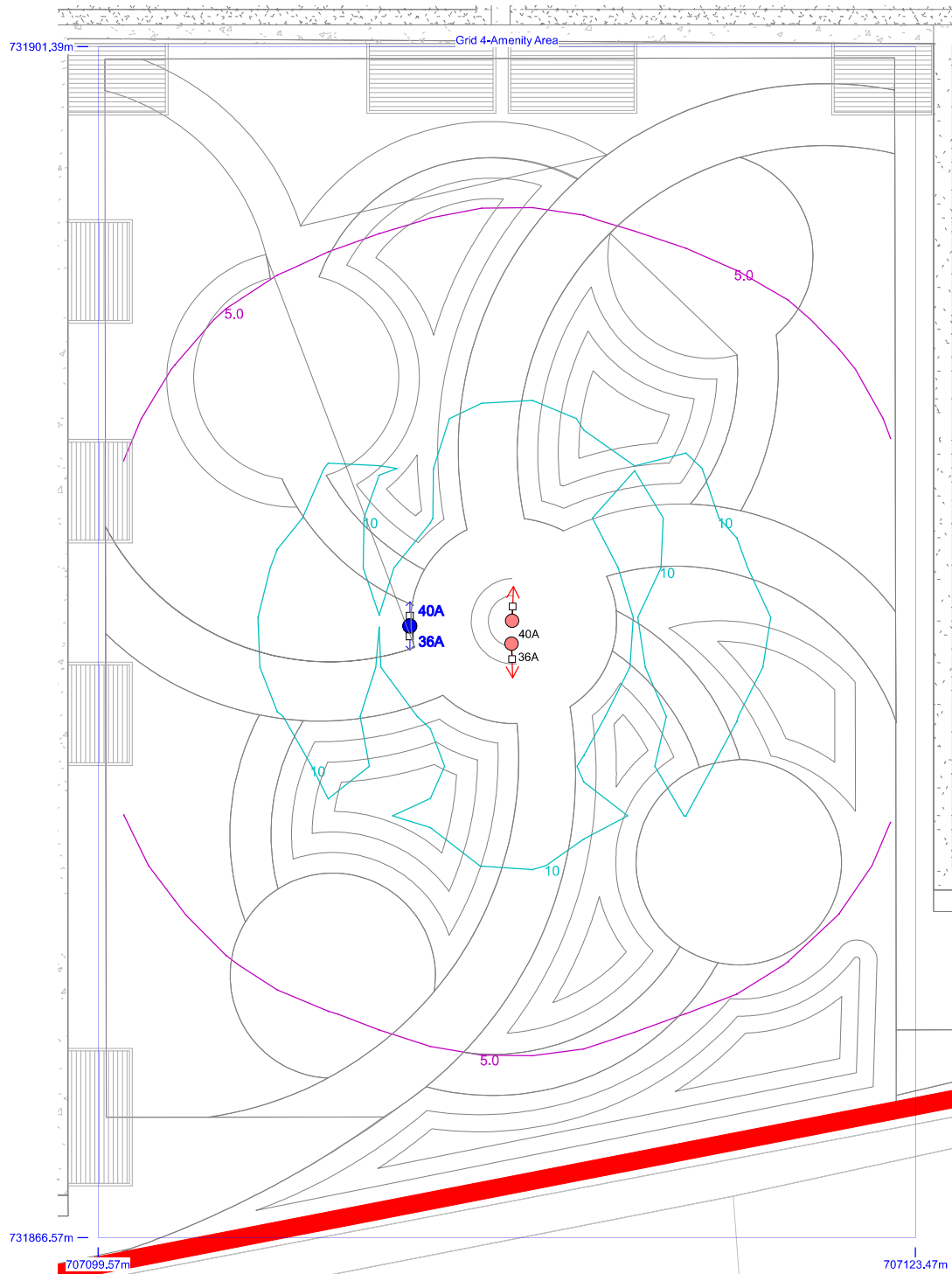


Results

Eav	8.28
Emin	5.57
Emax	11.49
Emin/Emax	0.48
Emin/Eav	0.67

Horizontal Illuminance (lux)

Grid 4-Amenity Area

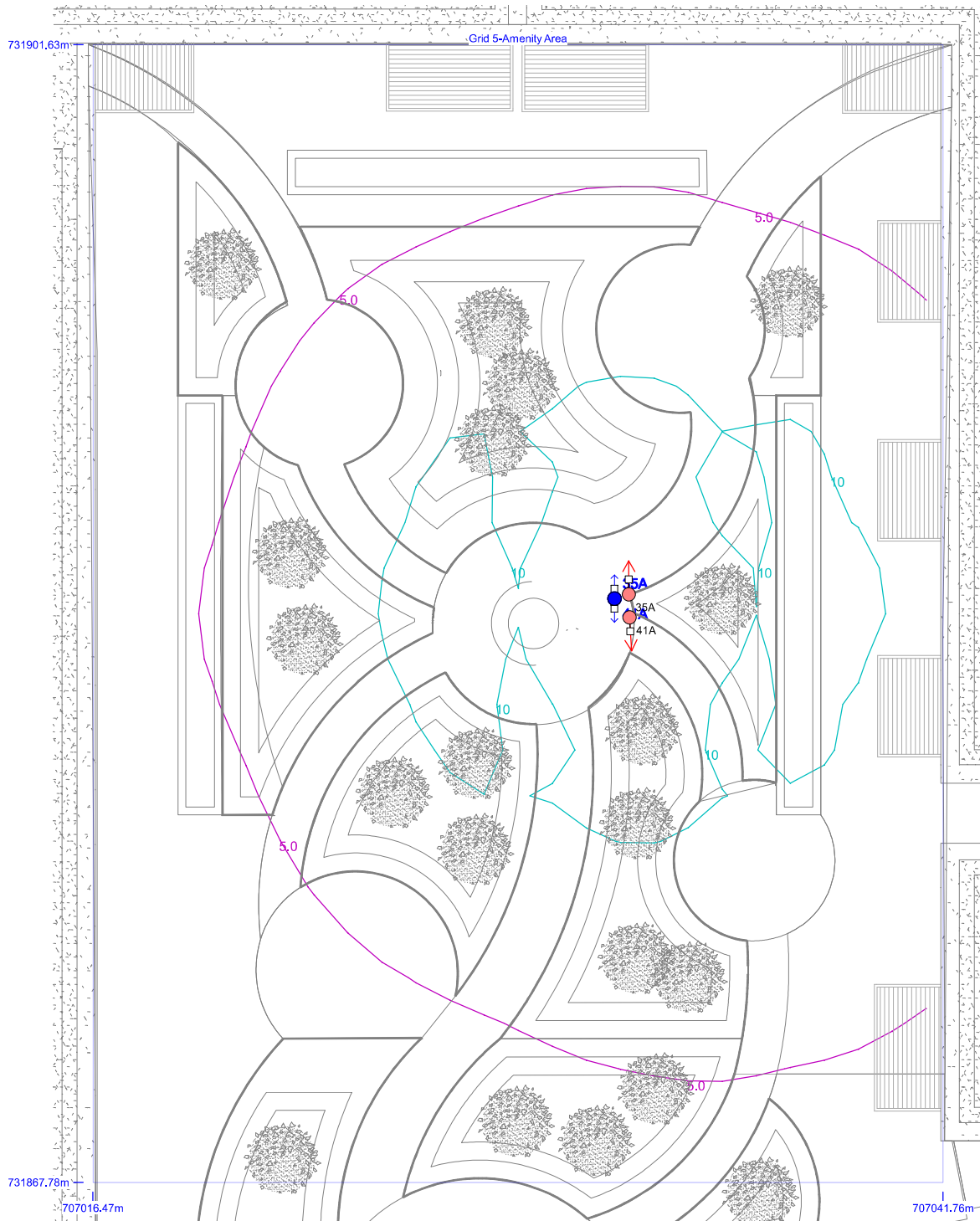


Results

Eav	6.70
Emin	1.83
Emax	16.24
Emin/Emax	0.11
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 5-Amenity Area



Results

Eav	7.19
Emin	1.88
Emax	16.64
Emin/Emax	0.11
Emin/Eav	0.26