

DATE: 14 June 2021
DESIGNER: Graham Sheehan
PROJECT No: SES 16220 Rev F
PROJECT NAME: Cooldown Commons Phase 3 Cairn Homes



Designed in accordance with ISEN 13201-2:2015 Class 4

Rev A: Tilts dropped to 0 and columns relocated into TIC areas.
Rev B: Latest site layout used, some columns relocated.
Rev C: P1 & P2 Tramway Drive relocaed across the road.
Rev D: Latest site layout used.
Rev E: Latest site layout used.
Rev F: Latest site layout used. 1no column removed.

Outdoor Lighting Report

PREPARED BY: Sabre Electrical Services Ltd.
Unit 11 Bellevue Ind. Est.
Finglas
Dublin 11.
Email: graham@sabrelighting.ie
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Layout Report

General Data

Dimensions in Metres Angles in Degrees
 Grid Origin 3185.0m x 827.0m
 Area 316.0m x 226.0m
 Sample Spacing 1.50m x 1.50m

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	P852-12-F2-WW-CA0800-31W
Lamp(s)	730C WW
Lamp Flux (klm)	3.42
File Name	P852-12-F2-WW-CA0800-31W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	750.5, 280.0, 34.0
No. in Project	18



Luminaire B Data

Supplier	C U Phosco
Type	P852-12-P4-WW-CA0500-20W
Lamp(s)	730C WW
Lamp Flux (klm)	2.35
File Name	P852-12-P4-WW-CA0500-20W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	730.4, 161.4, 0.8
No. in Project	4



Luminaire C Data

Supplier	C U Phosco
Type	P862-32-F3-NW-F0750-74W
Lamp(s)	740P NW
Lamp Flux (klm)	8.41
File Name	P862-32-F3-NW-F0750-74W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	763.6, 374.6, 0.0
No. in Project	2

Layout

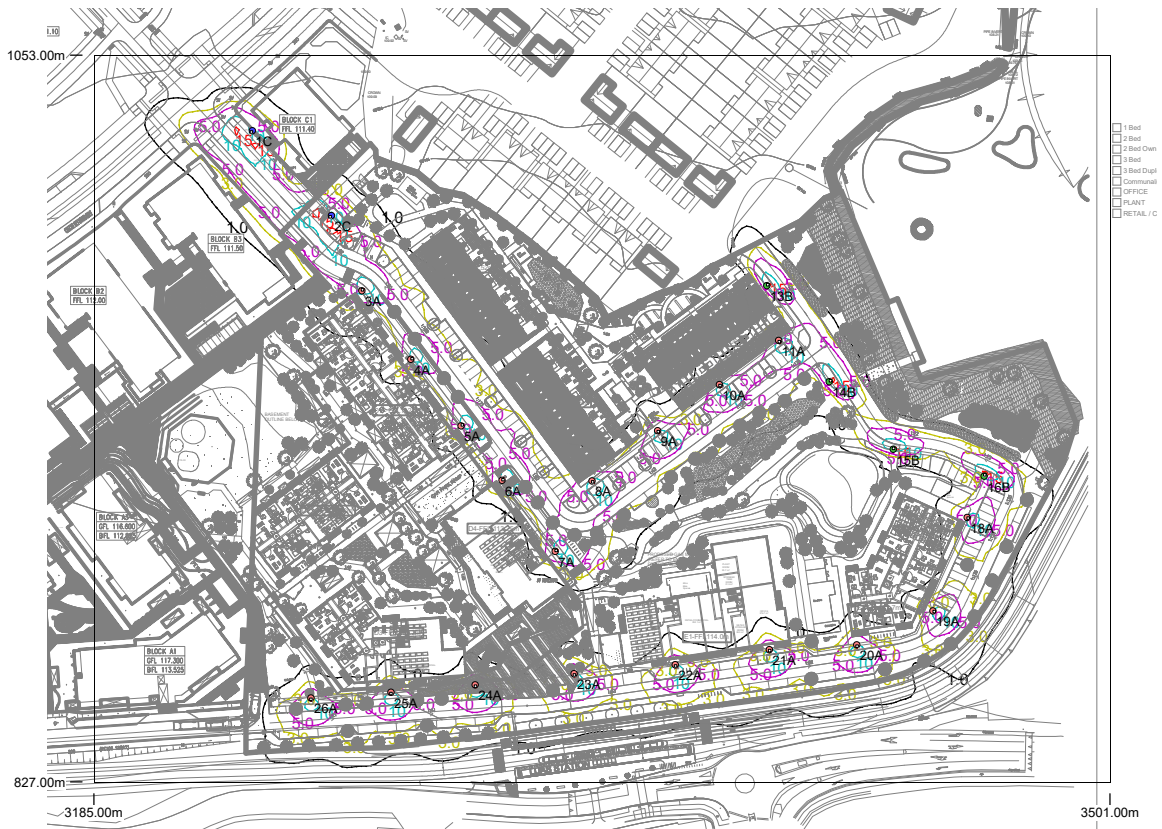
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	3234.31	1029.47	8.00	230.00	5.00	0.00	0.50			
2	C	3258.87	1003.12	8.00	221.00	5.00	0.00	0.50			
3	A	3268.26	979.79	6.00	43.00	0.00	0.00	0.40			
4	A	3283.56	958.45	6.00	35.00	0.00	0.00	0.40			
5	A	3299.18	937.78	6.00	35.00	0.00	0.00	0.40			
6	A	3311.86	920.83	6.00	35.00	0.00	0.00	0.40			
7	A	3328.42	898.78	6.00	35.00	0.00	0.00	0.40			
8	A	3339.84	920.65	6.00	306.00	0.00	0.00	0.40			
9	A	3360.28	936.28	6.00	299.00	0.00	0.00	0.40			
10	A	3379.49	950.58	6.00	306.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	A	3397.87	964.28	6.00	307.00	0.00	0.00	0.40			
13	B	3394.24	981.34	6.00	39.00	0.00	0.00	0.40			
14	B	3413.64	951.52	6.00	37.00	0.00	0.00	0.40			
15	B	3433.54	930.43	6.00	78.00	0.00	0.00	0.40			
16	B	3461.82	922.11	6.00	64.00	0.00	0.00	0.40			
18	A	3456.47	909.28	6.00	333.00	0.00	0.00	0.40			
19	A	3445.90	880.24	6.00	335.00	0.00	0.00	0.40			
20	A	3422.18	869.67	6.00	278.00	0.00	0.00	0.40			
21	A	3394.99	868.23	6.00	282.00	0.00	0.00	0.40			
22	A	3365.74	863.46	6.00	282.00	0.00	0.00	0.40			
23	A	3334.31	860.73	6.00	282.00	0.00	0.00	0.40			
24	A	3303.53	857.26	6.00	282.00	0.00	0.00	0.40			
25	A	3277.34	854.92	6.00	276.00	0.00	0.00	0.40			
26	A	3252.45	853.12	6.00	276.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

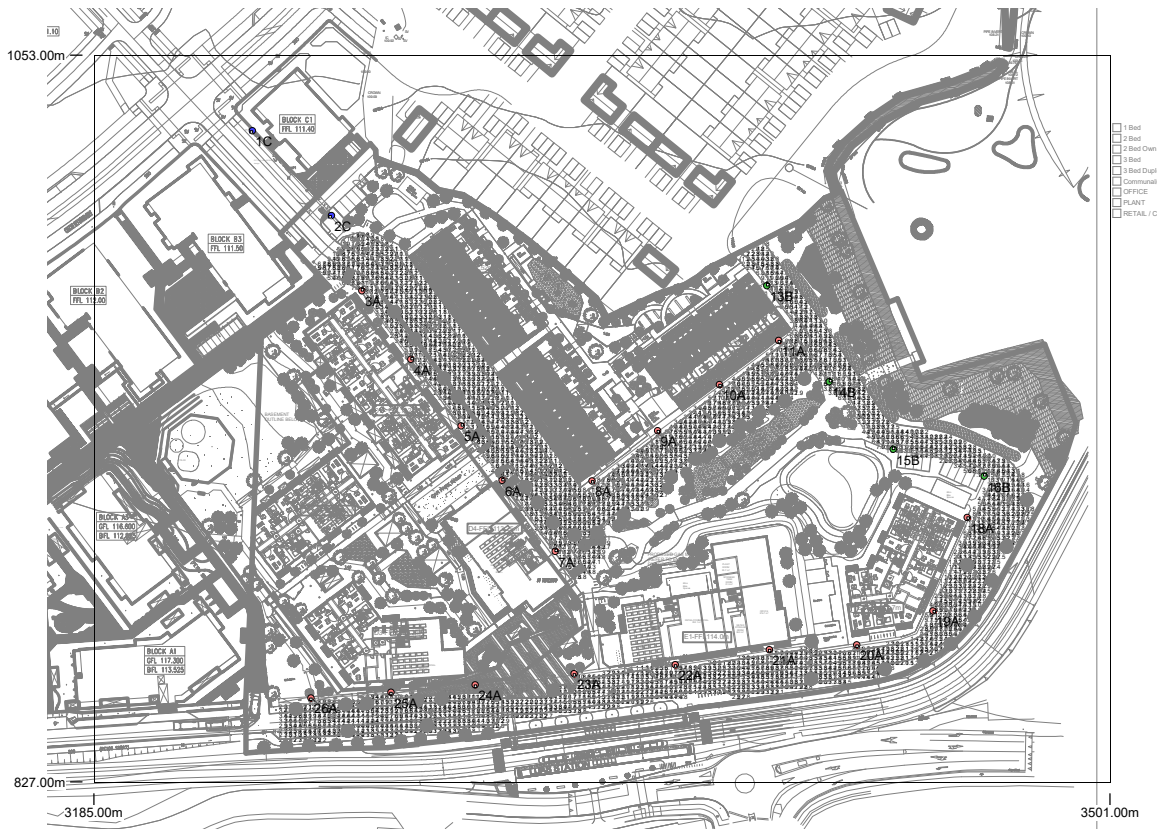


Results

Eav	4.97
Emin	1.05
Emax	16.10
Emin/Emax	0.07
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.97
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