

DATE: 16 January 2026
DESIGNER: Petro Lozenko
PROJECT No: 3303
PROJECT NAME: Terenure Village (Rathdown Motors)

**LIGHTING
REALITY**

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Lighting Class Design to EN13201 / BS 5489

Grid 1 (Roadway & Footpath) - Lighting Class P4
Grid 2 (Site Entrance) - Lighting Class C3

Note: All Lighting Columns to be at the back of footpaths

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	-65.19	-17.23	95.37	70.42	1.49	1.50
2	Grid 2	-21.58	-20.36	28.93	18.97	1.45	1.46

Luminaires

Luminaire A Data



Supplier	C U Phosco
Type	P852K-12-F2-NW-CB0650-25W
Lamp(s)	740C
Lamp Flux (klm)	3.23
File Name	P852K-12-F2-NW-CB0650-25W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	761.9, 260.5, 34.9
No. in Project	2

Luminaire B Data



Supplier	C U Phosco
Type	P852K-12-P4-NW-CB0650-25W
Lamp(s)	740C
Lamp Flux (klm)	3.29
File Name	P852K-12-P4-NW-CB0650-25W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	747.2, 125.8, 0.0
No. in Project	3

Luminaire C Data



Supplier	C U Phosco
Type	P863-128-A2-4x4-740-SF-0300-57W
Lamp(s)	740SA
Lamp Flux (klm)	9.68
File Name	P863-128-A2-4x4-740-SF-0300-57W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	292.2, 26.8, 0.0
No. in Project	1

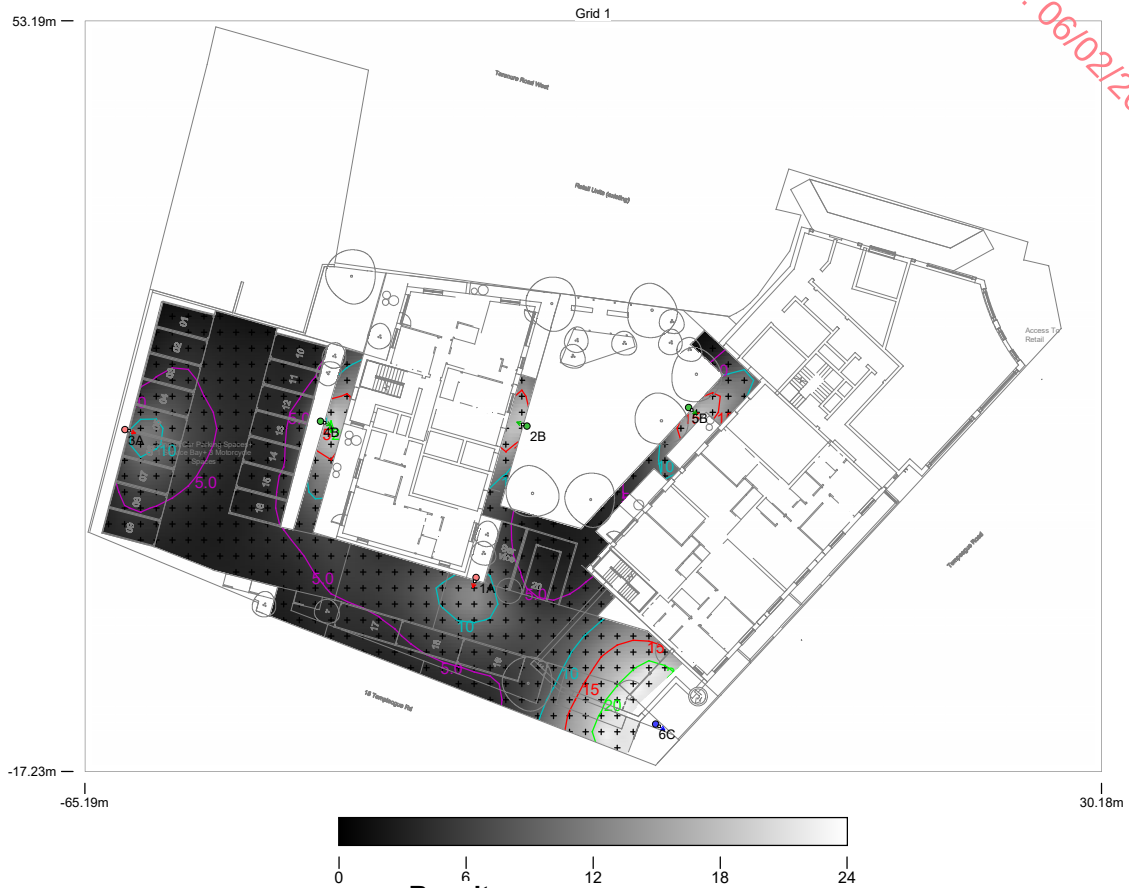
Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-28.51	0.99	6.00	252.00	0.00	0.00	0.40			
2	B	-23.74	15.20	6.00	160.00	0.00	0.00	0.40			
3	A	-61.43	14.85	6.00	341.00	0.00	0.00	0.40			
4	B	-43.09	15.62	6.00	340.00	0.00	0.00	0.40			
5	B	-8.57	16.94	6.00	319.00	0.00	0.00	0.40			
6	C	-11.66	-12.76	6.00	328.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

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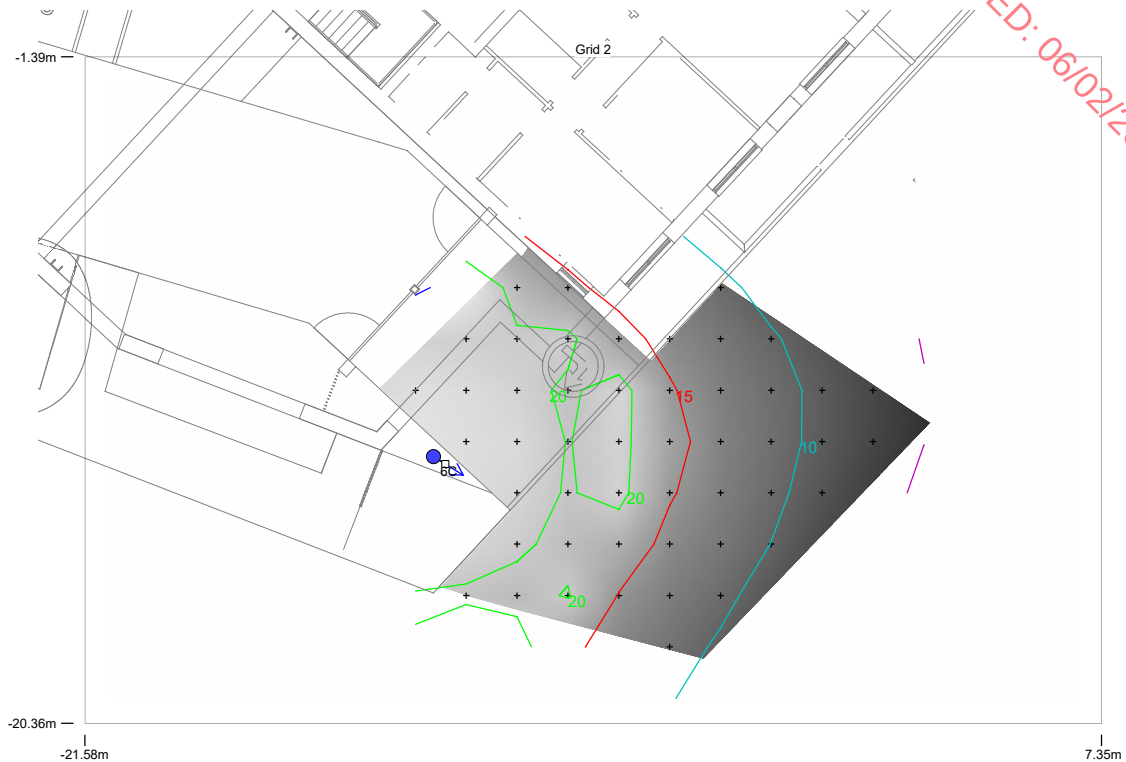


Results

Eav	7.20
Emin	1.86
Emax	24.06
Emin/Emax	0.08
Emin/Eav	0.26

Horizontal Illuminance (lux)

Grid 2



Results

Eav	15.84
Emin	6.99
Emax	22.49
Emin/Emax	0.31
Emin/Eav	0.44