

DATE: 6 May 2025
DESIGNER: Michael Lannon
PROJECT No: 3200
PROJECT NAME: Mahon

**LIGHTING
REALITY**

Lighting class Design to EN13201 / BS 5489
Grid 1 (Roadway & Footpath) - Lighting Class P4
Grid 2 (Footpath) - Lighting Class P6

Note: All Lighting Columns are 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	-89.20	-23.09	154.64	98.63	1.49	1.49
2	Grid 2	-53.08	12.98	97.29	34.58	1.50	1.44

Luminaires

Luminaire A Data



Supplier	Philips
Type	BGP702 DM70
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.40
File Name	Luma Gen2 Micro_BGP702_DM70_3400_2 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	385.8, 389.0, 0.0
No. in Project	3

Luminaire B Data



Supplier	Philips
Type	BGP701 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.40
File Name	Luma Gen2 Nano_BGP701_DM10_1400_6 LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	-50.28	5.91	6.00	275.00	0.00	0.00	0.40	100%			
2	A	-29.43	5.04	6.00	290.00	0.00	0.00	0.40	100%			
3	A	-6.89	4.21	6.00	120.00	0.00	0.00	0.40	100%			
4	B	-22.92	22.00	6.00	259.00	0.00	0.00	0.40	75%			

Horizontal Illuminance (lux)

Grid 1

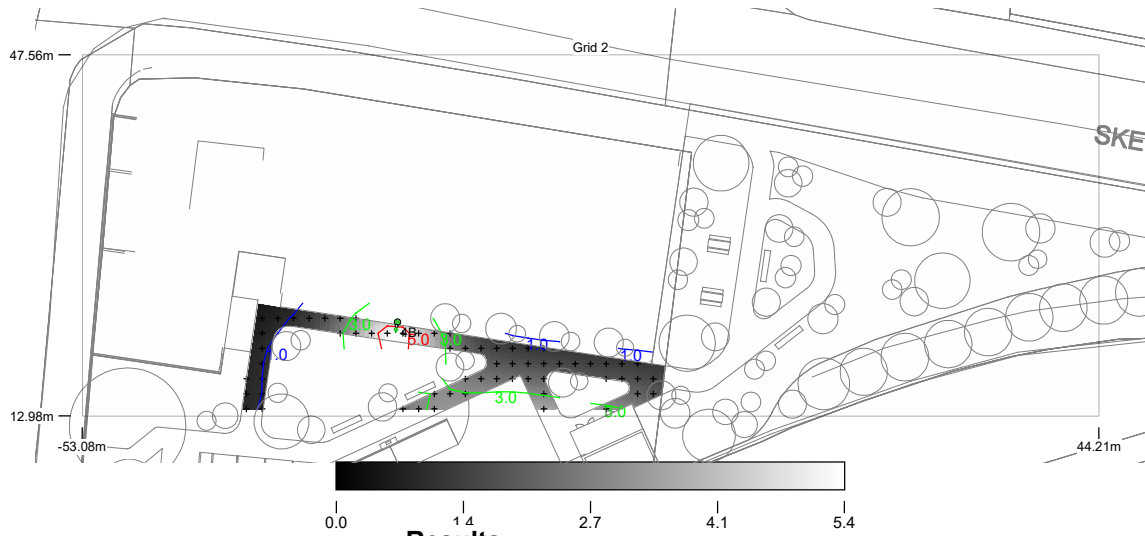


Results

Eav	5.41
Emin	1.29
Emax	12.35
Emin/Emax	0.10
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 2



Results

Eav	2.14
Emin	0.66
Emax	5.42
Emin/Emax	0.12
Emin/Eav	0.31