

DATE: 31 January 2024
DESIGNER: Unnamed
PROJECT No: 2972
PROJECT NAME: SHB4-BLY-DR-SMK-ME-P3-6000

**LIGHTING
REALITY**

Balally 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	Communal/Open Space	152.14	84.13	9.61	64.47	1.37	1.50
2	Vehicular Access	131.59	145.54	37.30	22.91	1.49	1.43
3	Pedestrian/Cycle Route	183.21	93.95	3.98	65.29	1.33	1.48
4	Front Pedestrian Entrance	155.98	72.79	36.46	11.56	1.46	1.44

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@760mA
Lamp(s)	16 OSLO SQUARE GIANT@760mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	5.20 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLO SQUARE GIANT 760mA NW 740 39W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
Lamp S/P Ratio	1.50
No. in Project	2

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@600mA
Lamp(s)	16 OSLO SQUARE GIANT@600mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	4.28 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLO SQUARE GIANT 600mA NW 740 31W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
Lamp S/P Ratio	1.50
No. in Project	2

Luminaire C Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@300mA
Lamp(s)	16 OSLO SQUARE GIANT@300mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	2.31 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLO SQUARE GIANT 300mA NW 740 16W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
Lamp S/P Ratio	1.50
No. in Project	1

Luminaire D Data



Supplier	Urbis Schreder
Type	FLEXIA MIDI 5300 Flat glass Symmetrical 20 LH351C@200mA WW 7
Lamp(s)	20 LH351C@200mA WW 730 230V
LampFlux(klm)/Colour	1.86 WW 3000K/70
File Name	FLEXIA MIDI 5300 20 LH351C 200mA WW 730 13.5W 44663S Flat glass Symmetrical...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1084.6, 57.1, 0.0
Lamp S/P Ratio	1.22
No. in Project	5

Layout

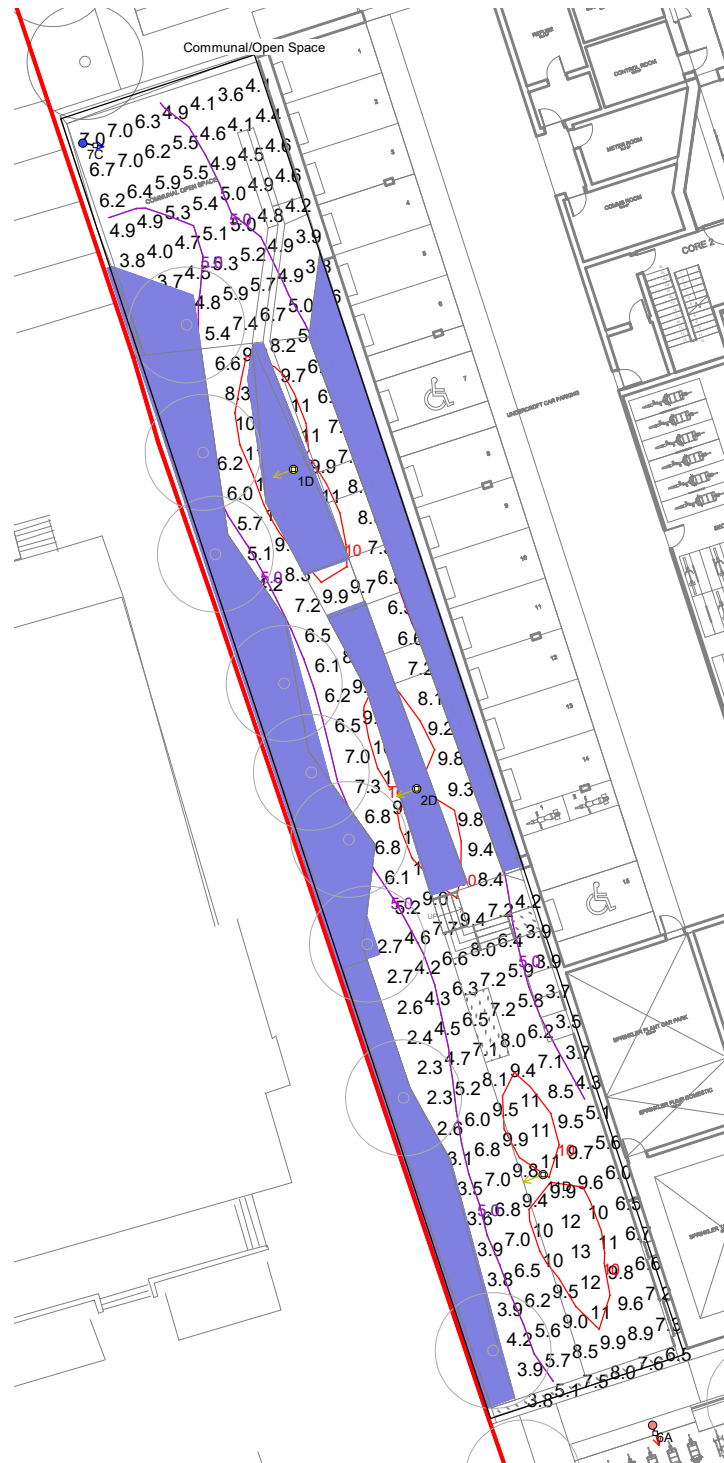
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	D	142.86	128.84	6.00	201.00	0.00	0.00	0.00	80%			
2	D	148.66	113.78	6.00	201.00	0.00	0.00	0.00	80%			
3	D	168.26	138.72	6.00	15.00	0.00	0.00	0.00	100%			
4	B	136.64	162.29	6.00	18.00	0.00	0.00	0.60	100%			
5	B	161.49	154.45	6.00	108.00	0.00	0.00	0.60	100%			
6	A	159.77	83.82	6.00	288.00	0.00	0.00	0.40	100%			
7	C	132.94	144.20	6.00	350.00	0.00	0.00	0.60	85%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
9	A	176.81	89.24	6.00	295.00	0.00	0.00	0.40	100%			
10	D	175.80	115.97	6.00	18.00	0.00	0.00	0.00	100%			
11	D	154.62	95.62	6.00	201.00	0.00	0.00	0.00	80%			

Horizontal Illuminance (lux)

Communal/Open Space

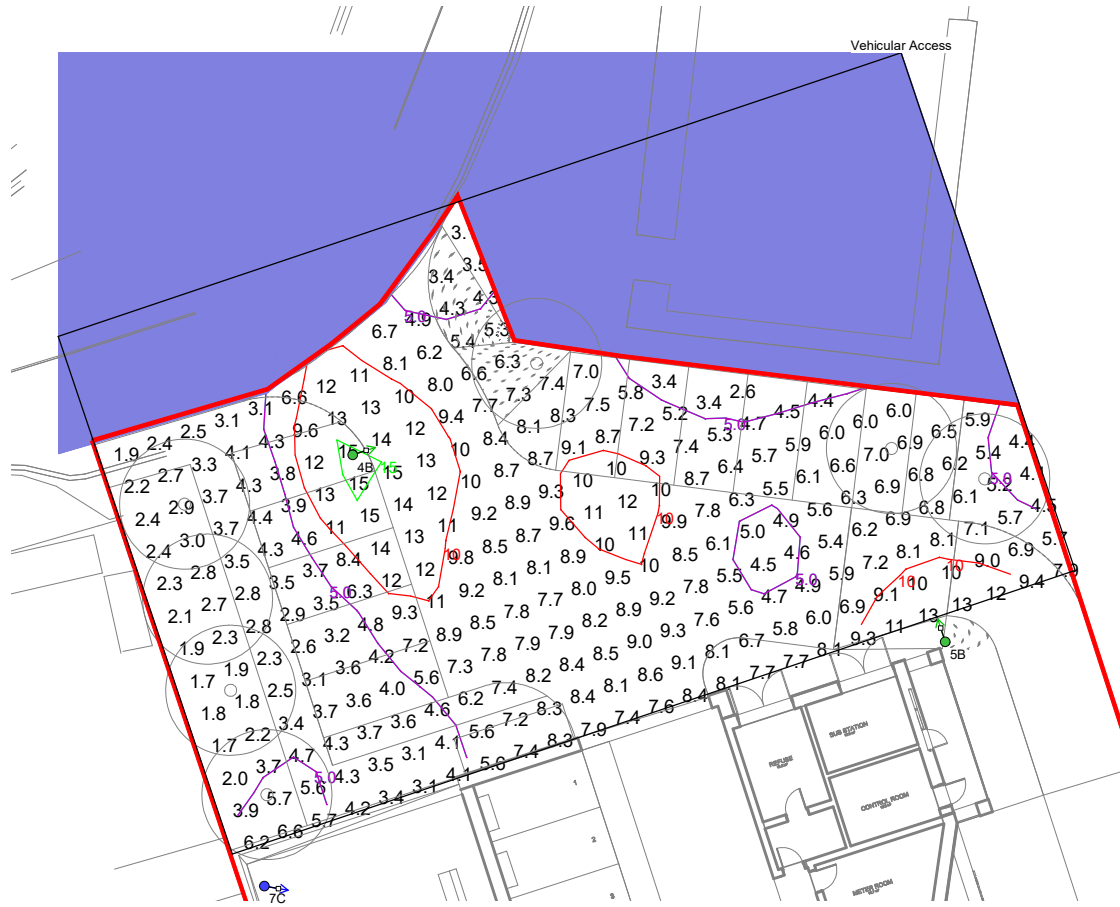


Results

Eav	6.78
Emin	2.29
Emax	12.60
Emin/Emax	0.18
Emin/Eav	0.34

Horizontal Illuminance (lux)

Vehicular Access

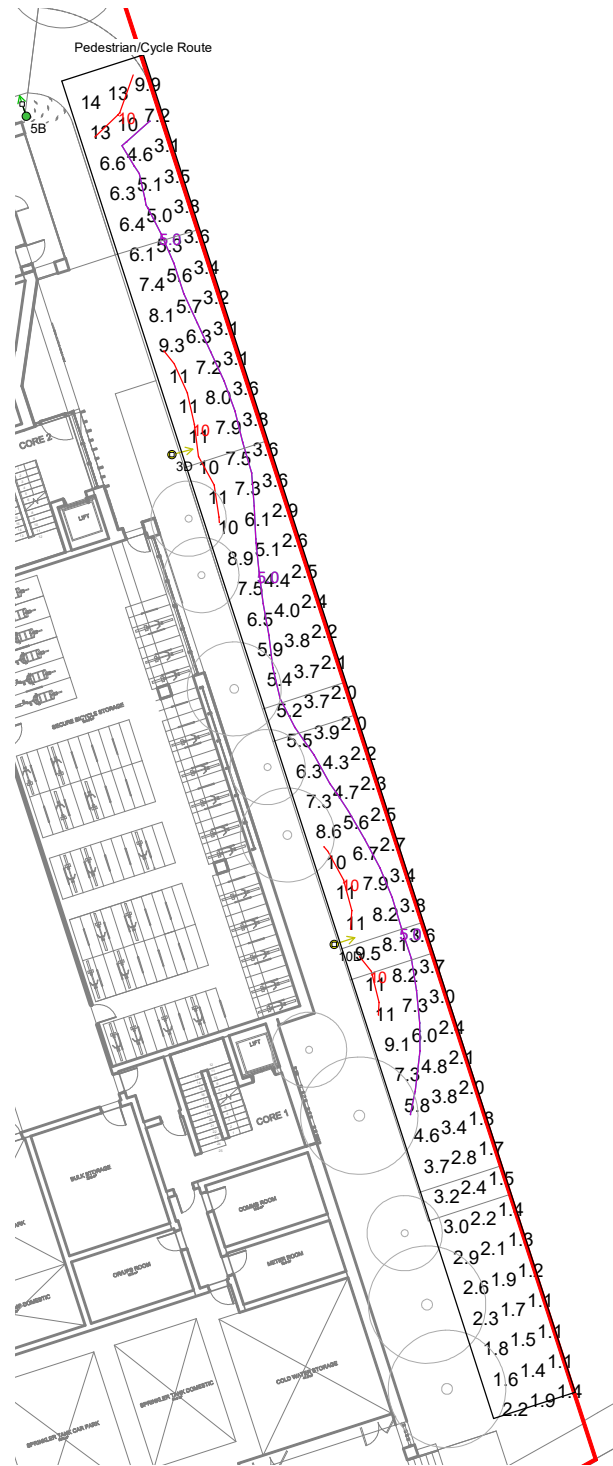


Results

Eav	6.76
Emin	1.69
Emax	15.45
Emin/Emax	0.11
Emin/Eav	0.25

Horizontal Illuminance (lux)

Pedestrian/Cycle Route

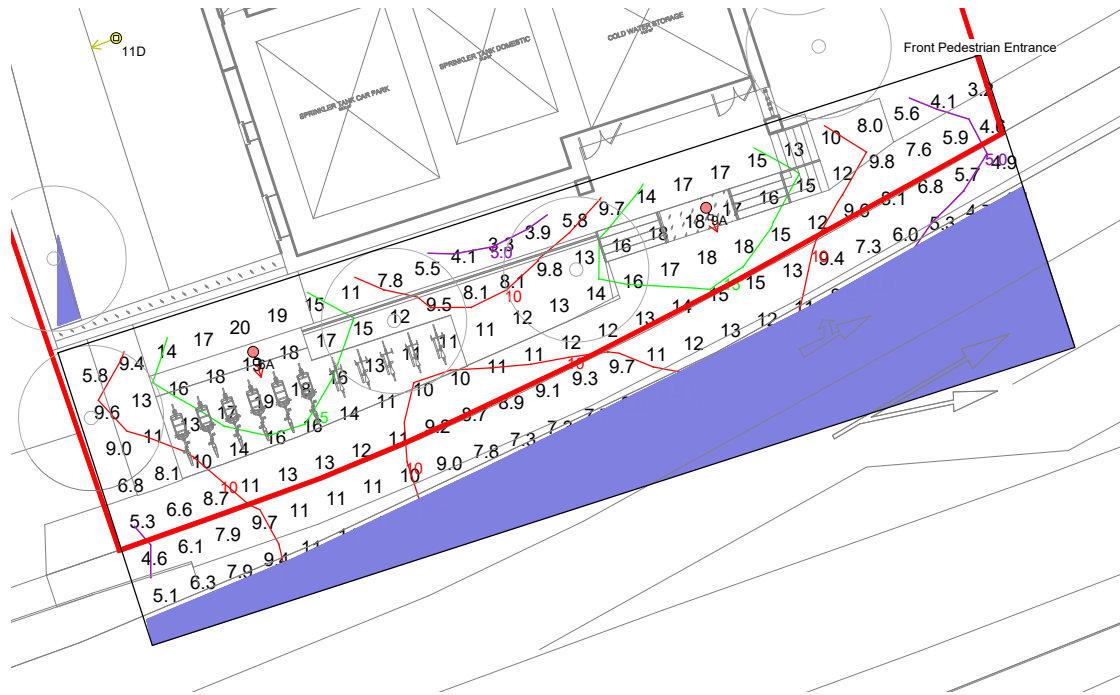


Results

Eav	5.11
Emin	1.05
Emax	13.75
Emin/Emax	0.08
Emin/Eav	0.21

Horizontal Illuminance (lux)

Front Pedestrian Entrance



Results

Eav	11.00
Emin	3.21
Emax	19.68
Emin/Emax	0.16
Emin/Eav	0.29