

DATE: 25 October 2024
DESIGNER: Daniel McDonnell
PROJECT No: 2972/LDR
PROJECT NAME: Social Housing Bundle (Lambs Cross)

**LIGHTING
REALITY**

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	Mini Plaza Area	-38.37	-39.72	25.36	23.54	1.49	1.47
2	External Car Park	24.11	-14.24	29.74	32.22	1.49	1.46
3	Ramp/Stairs	11.61	-16.64	12.32	10.47	1.37	1.50

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@400mA
Lamp(s)	16 OSLO SQUARE GIANT@400mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	3.00 NW 3000K/70
File Name	AXIA 2.1 5167 16 OSLO SQUARE GIANT 400mA NW 740 21W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	2

Luminaire B Data



Supplier	Urbis Schreder
Type	FLEXIA TOP 5304 Deep shape PC 20 LH3 51C@300mA NW 740 230V
Lamp(s)	20 LH351C@300mA NW 740 230V
LampFlux(klm)/Colour	2.79 NW 3000K/70
File Name	FLEXIA TOP 5304 20 LH351C 300mA NW 740 19.6W 445412 Deep shape PC 230V ...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	329.1, 124.0, 39.1
No. in Project	1

Luminaire C Data



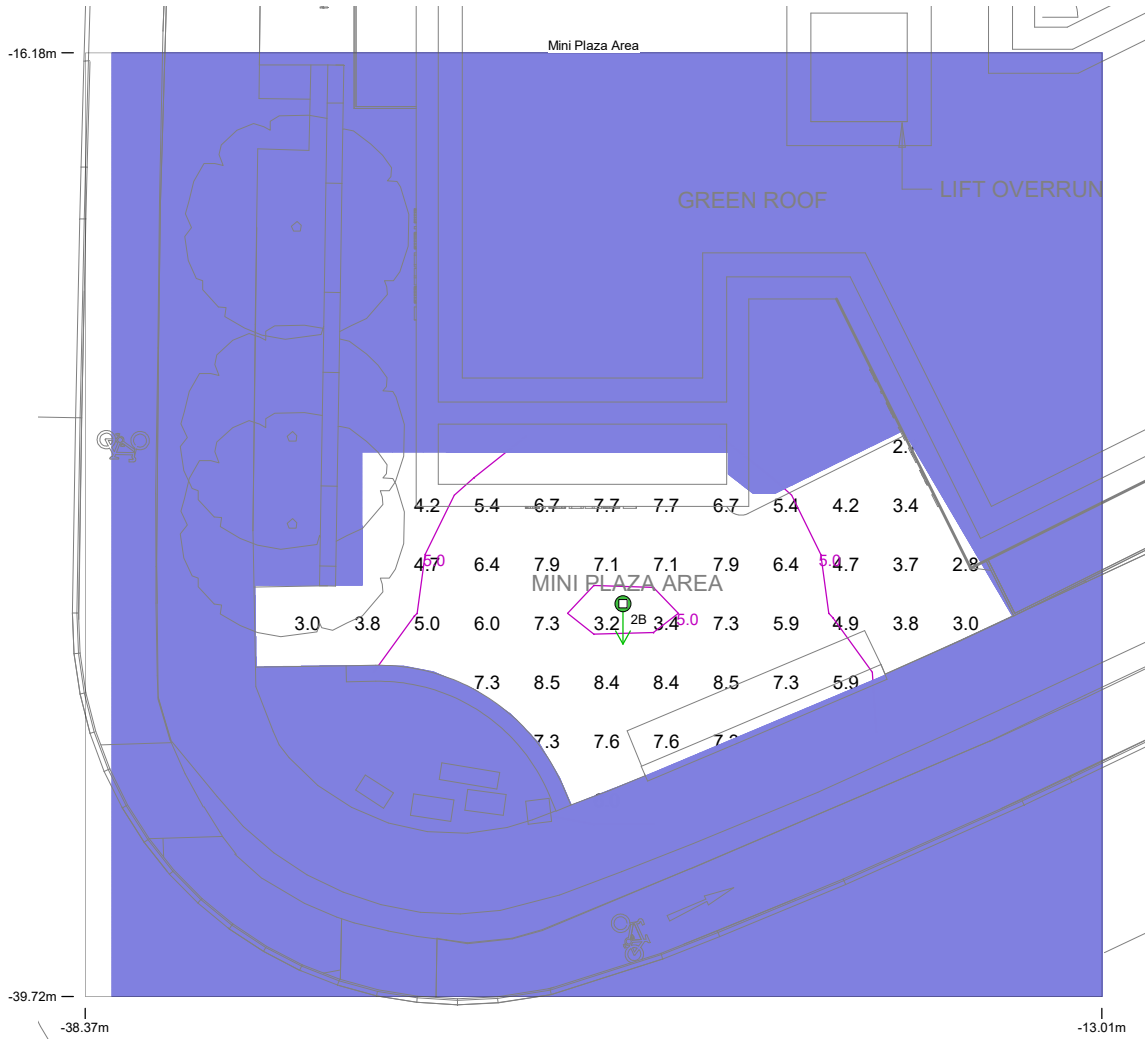
Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO SQUARE GIANT@700mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	4.86 NW 3000K/70
File Name	AXIA 2.1 5167 16 OSLO SQUARE GIANT 700mA NW 740 36W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	34.01	-2.12	6.00	91.00	3.00	0.00	0.60			
2	B	-24.96	-29.92	6.00	270.00	0.00	0.00	0.00			
3	A	49.81	8.56	6.00	209.00	3.00	0.00	0.60			
4	C	22.82	-8.16	5.00	202.00	0.00	0.00	0.60			

Horizontal Illuminance (lux)

Mini Plaza Area

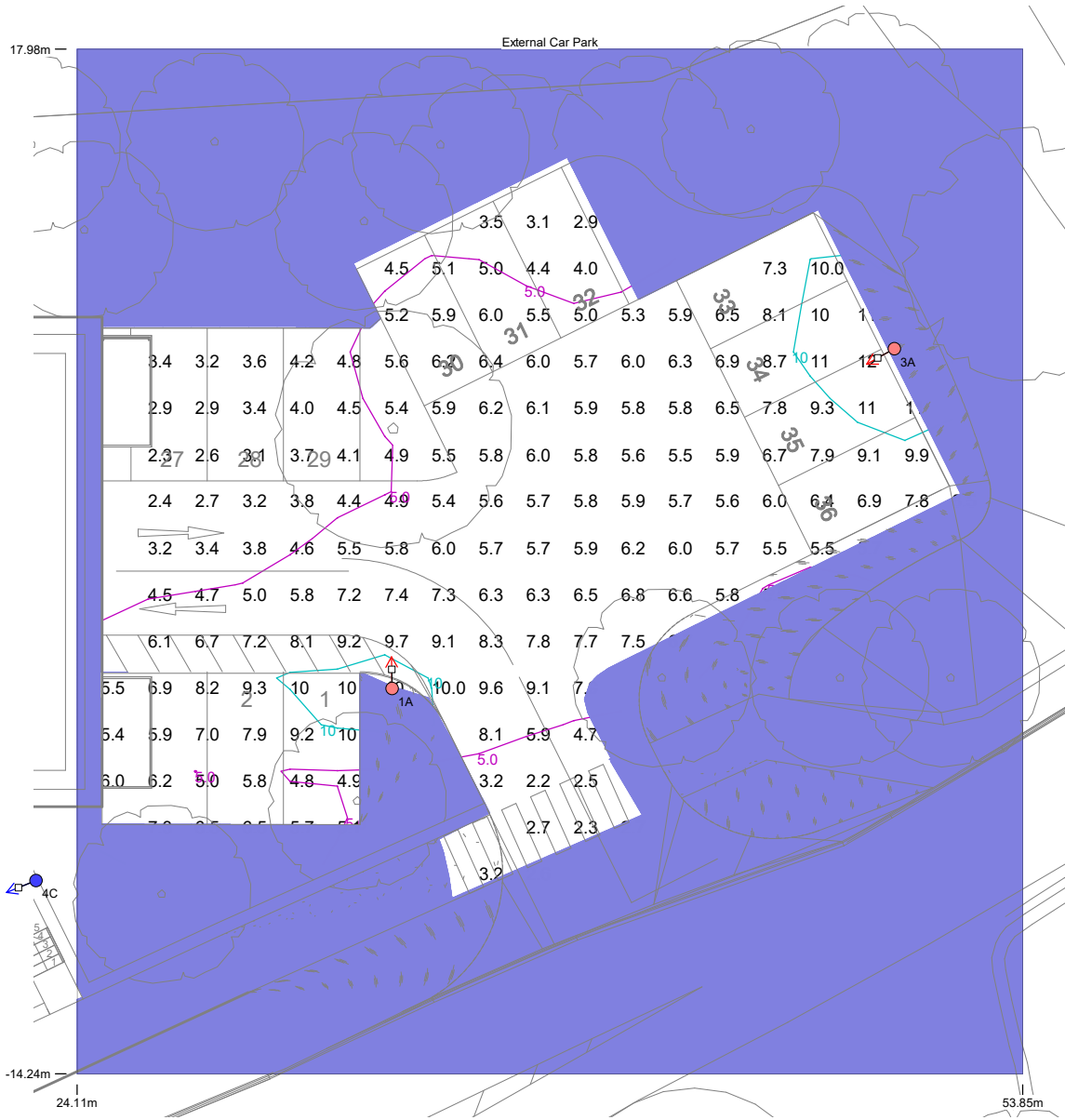


Results

Eav	5.90
Emin	2.73
Emax	8.53
Emin/Emax	0.32
Emin/Eav	0.46

Horizontal Illuminance (lux)

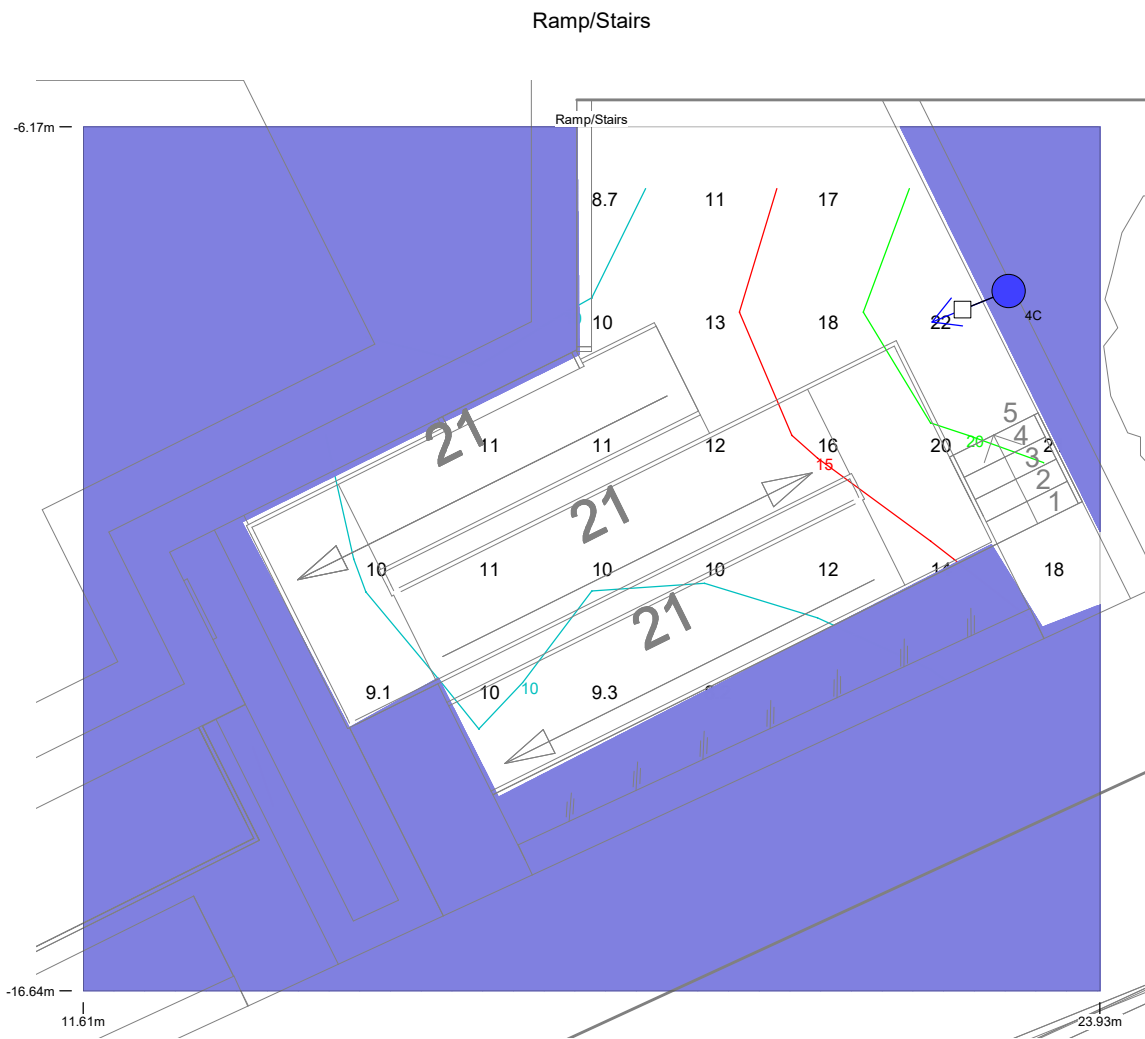
External Car Park



Results

Eav	6.06
Emin	2.22
Emax	11.71
Emin/Emax	0.19
Emin/Eav	0.37

Horizontal Illuminance (lux)



Results

Eav	13.12
Emin	8.23
E _{max}	22.31
Emin/E _{max}	0.37
Emin/Eav	0.63