

**DATE:** 20 January 2025  
**DESIGNER:** ESL & CBS  
**PROJECT No:** R0  
**PROJECT NAME:** Housing at Cullairbaun, Athenry

## **Outdoor Lighting Report**

The lighting design has achieved the following Lighting  
Standards: P3 --EN 13201-2:2015

**PREPARED BY:** Electric Skyline Ltd &  
CBS Consulting Engineers Ltd

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 549817.9m x 728363.6m  
Area 121.2m x 121.7m  
Sample Spacing 1.50m x 1.48m

### Luminaires



#### Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3 EVO 1 5266 16 OSLO SQUARE GIANT@500mA WW 730 23 0V 02-53
Lamp(s)	16 OSLO SQUARE GIANT@500mA WW 730 230V 02-53-573 [CJO IO4STDA]
Lamp Flux (klm)	3.28
File Name	AXIA 3 EVO 1 5266 16 OSLO SQUARE GIANT 500mA WW 730 25 W 7x4 III-Medium 511022 Integrated lenses Nothing 230V TF .ies
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1081.8, 207.1, 0.0
No. in Project	8



#### Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 3 EVO 1 5267 16 OSLO SQUARE GIANT@500mA WW 730 23 0V 02-53
Lamp(s)	16 OSLO SQUARE GIANT@500mA WW 730 230V 02-53-573 [CJO IO4STDA]
Lamp Flux (klm)	3.21
File Name	AXIA 3 EVO 1 5267 16 OSLO SQUARE GIANT 500mA WW 730 25 W 7x5 III-Medium 511032 Integrated lenses Nothing 230V TF .ies
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	950.2, 150.2, 0.0
No. in Project	3

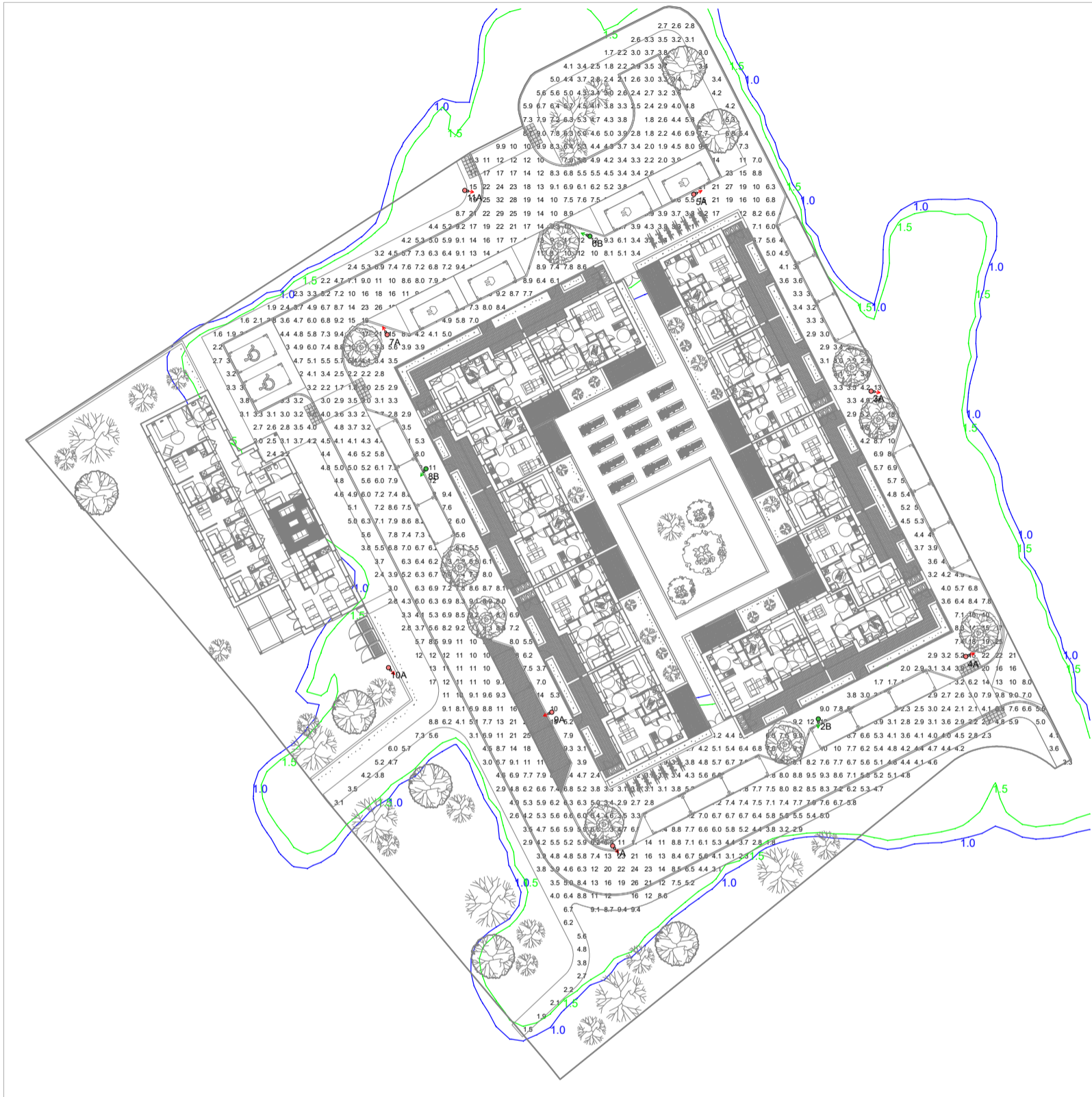
### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	549885.48	728391.70	6.00	310.00	0.00	0.00	0.35			
2	B	549908.30	728405.78	6.00	268.00	0.00	0.00	0.35			
3	A	549914.15	728442.13	6.00	350.00	0.00	0.00	0.35			
4	A	549924.66	728412.70	6.00	21.00	0.00	0.00	0.35			
5	A	549894.47	728463.97	6.00	24.00	0.00	0.00	0.35			
6	B	549882.96	728459.32	6.00	161.00	0.00	0.00	0.35			
7	A	549860.46	728448.39	6.00	119.00	0.00	0.00	0.35			
8	B	549864.76	728433.53	6.00	235.00	0.00	0.00	0.35			
9	A	549878.72	728406.53	6.00	205.00	0.00	0.00	0.35			
10	A	549860.60	728411.45	6.00	313.00	0.00	0.00	0.35			
11	A	549869.07	728464.39	6.00	349.00	0.00	0.00	0.35			

# Horizontal Illuminance (lux)

Grid 1

728485.28m



728363.56m

549817.94m

549939.17m

## Results

Eav	7.17
Emin	1.51
Emax	31.88
Emin/Emax	0.05
Emin/Eav	0.21