

**DATE:** 28 May 2025  
**DESIGNER:** RN  
**PROJECT No:** P1980  
**PROJECT NAME:** INCLINE FIELDS

**LIGHTING  
REALITY**

LIGHTING CALCULATIONS: INCLINE FIELDS  
ISSUE 2  
DESIGNED TO ACHIEVE:  
Roadways and Footpaths  
BS5489:2013 CLASSIFICATION P4 (S/P RATIO 1.0)  
MF 0.8

## **INCLINE FIELDS LTG REPORT**

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 632.6m x 318.2m  
Area 414.0m x 144.4m  
Sample Spacing 1.66m x 1.49m

### Luminaires



### Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3 EVO 1 5293 16 OSLOM SQUARE G IANT@350mA WW 727 230V 00-53
Lamp(s)	16 OSLOM SQUARE GIANT@350mA WW 727 230V 00-53-397 [CJOIO3STDA]
Lamp Flux (klm)	2.35
File Name	AXIA 3 EVO 1 5293 16 OSLOM SQUARE G IANT 350mA WW 727 18.2W 7x7 III-VeryS...
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	560.6, 25.2, 0.0
No. in Project	24

### Layout

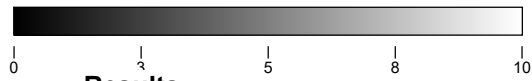
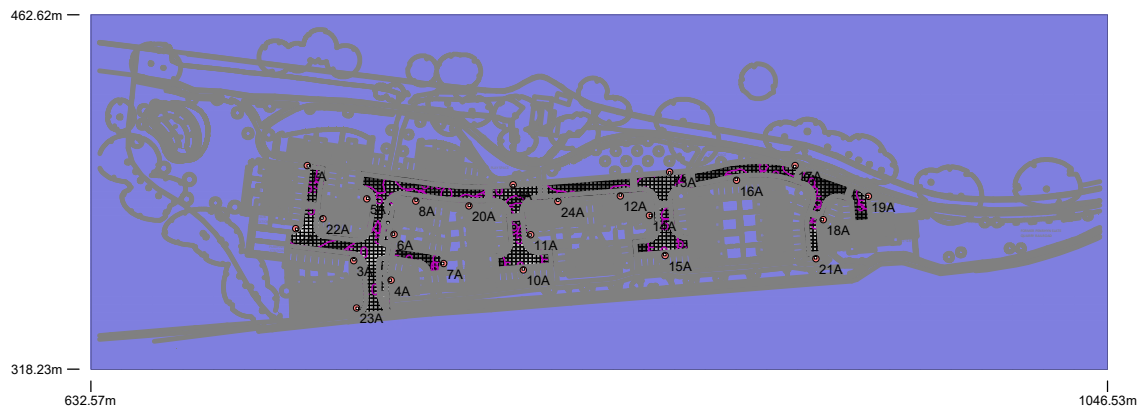
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	720.61	401.26	6.00	347.00	0.00	0.00	0.40			
2	A	716.01	375.54	6.00	317.00	0.00	0.00	0.40			
3	A	739.50	362.61	6.00	60.00	0.00	0.00	0.40			
4	A	754.81	354.57	6.00	180.00	0.00	0.00	0.40			
5	A	744.89	387.67	6.00	36.00	0.00	0.00	0.40			
6	A	756.02	373.25	6.00	162.00	0.00	0.00	0.40			
7	A	776.18	361.42	6.00	180.00	0.00	0.00	0.40			
8	A	764.84	386.83	6.00	74.00	0.00	0.00	0.40			
9	A	804.39	393.43	6.00	280.00	0.00	0.00	0.40			
10	A	808.56	358.83	6.00	90.00	0.00	0.00	0.40			
11	A	811.66	373.12	6.00	200.00	0.00	0.00	0.40			
12	A	848.08	388.81	6.00	94.00	0.00	0.00	0.40			
13	A	868.12	398.66	6.00	280.00	0.00	0.00	0.40			
14	A	859.98	380.88	6.00	357.00	0.00	0.00	0.40			
15	A	866.30	364.65	6.00	104.00	0.00	0.00	0.40			
16	A	895.35	395.26	6.00	99.00	0.00	0.00	0.40			
17	A	919.25	401.22	6.00	245.00	0.00	0.00	0.40			
18	A	930.75	379.19	6.00	177.00	0.00	0.00	0.40			
19	A	949.01	388.69	6.00	199.00	0.00	0.00	0.40			
20	A	786.46	384.78	6.00	71.00	0.00	0.00	0.40			

**Layout Continued**

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	927.66	363.35	6.00	95.00	0.00	0.00	0.40			
22	A	727.01	379.67	6.00	155.00	0.00	0.00	0.40			
23	A	740.70	343.30	6.00	328.00	0.00	0.00	0.40			
24	A	822.69	386.72	6.00	85.00	0.00	0.00	0.40			

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	5.38
Emin	1.60
Emax	10.23
Emin/Emax	0.16
Emin/Eav	0.30