

**DATE:** 6 April 2017  
**DESIGNER:** PS  
**PROJECT No:** 071  
**PROJECT NAME:** Longford Park



## Outdoor Lighting Report

**PREPARED BY:**

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees

### Calculation Grids

No.	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	446360.00	238393.00	18.00	54.00	1.50	1.50
2	Grid 2	446426.00	238351.00	25.00	97.00	1.47	1.49
3	Grid 3	446265.00	238411.00	174.00	34.00	6.96	1.36
4	Grid 4	446538.00	238254.72	140.15	115.17	1.49	1.50

### Luminaires



### Luminaire A Data

Supplier	LED Roadway Lighting
Type	NXT 12S 0 X 2ES 350 XX 1 G XX XX X
Lamp(s)	12 WHITE LEDS
Lamp Flux (klm)	1.53
File Name	NXT-12S-350mA-2ES.IES
Maintenance Factor	0.75
Imax70,80,90(cd/klm)	764.4, 211.7, 0.0
Lamp S/P Ratio	1.68
No. in Project	20

### Layout

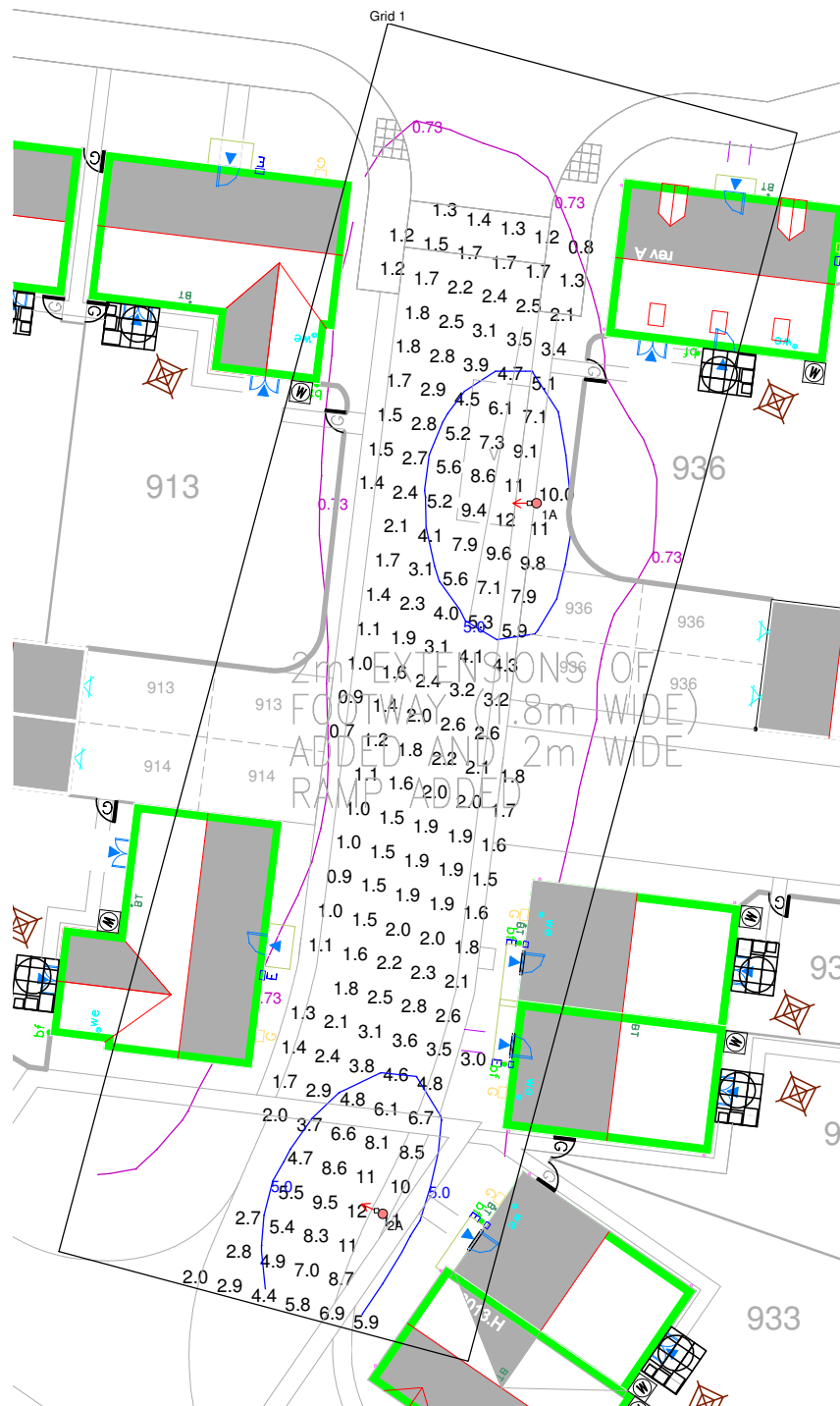
No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	446380.30	238424.78	5.00	180.00	5.00	0.00	0.30			
2	A	446373.77	238394.61	5.00	156.00	5.00	0.00	0.30			
3	A	446459.10	238399.36	5.00	173.00	5.00	0.00	0.30			
4	A	446436.42	238358.37	5.00	131.00	5.00	0.00	0.30			
5	A	446452.10	238372.30	5.00	131.00	5.00	0.00	0.30			
6	A	446421.16	238349.29	5.00	90.00	5.00	0.00	0.30			
7	A	446395.48	238363.54	5.00	62.00	5.00	0.00	0.30			
8	A	446374.90	238383.53	5.00	241.00	5.00	0.00	0.30			
9	A	446345.34	238395.48	5.00	62.00	5.00	0.00	0.30			
10	A	446320.62	238411.88	5.00	59.00	5.00	0.00	0.30			
11	A	446297.51	238422.23	5.00	340.00	5.00	0.00	0.30			
12	A	446462.73	238427.05	5.00	175.00	5.00	0.00	0.30			
13	A	446560.50	238351.51	5.00	159.00	5.00	0.00	0.30			
14	A	446546.00	238326.79	5.00	18.00	5.00	0.00	0.30			
15	A	446562.19	238312.87	5.00	64.00	5.00	0.00	0.30			
16	A	446589.79	238295.28	5.00	65.00	5.00	0.00	0.30			
17	A	446619.56	238279.15	5.00	68.00	5.00	0.00	0.30			

**Layout Continued**

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
18	A	446641.30	238284.67	5.00	121.00	5.00	0.00	0.30			
19	A	446655.99	238296.10	5.00	117.00	5.00	0.00	0.30			
20	A	446670.77	238303.50	5.00	123.00	5.00	0.00	0.30			

# Horizontal Illuminance (lux)

Grid 1

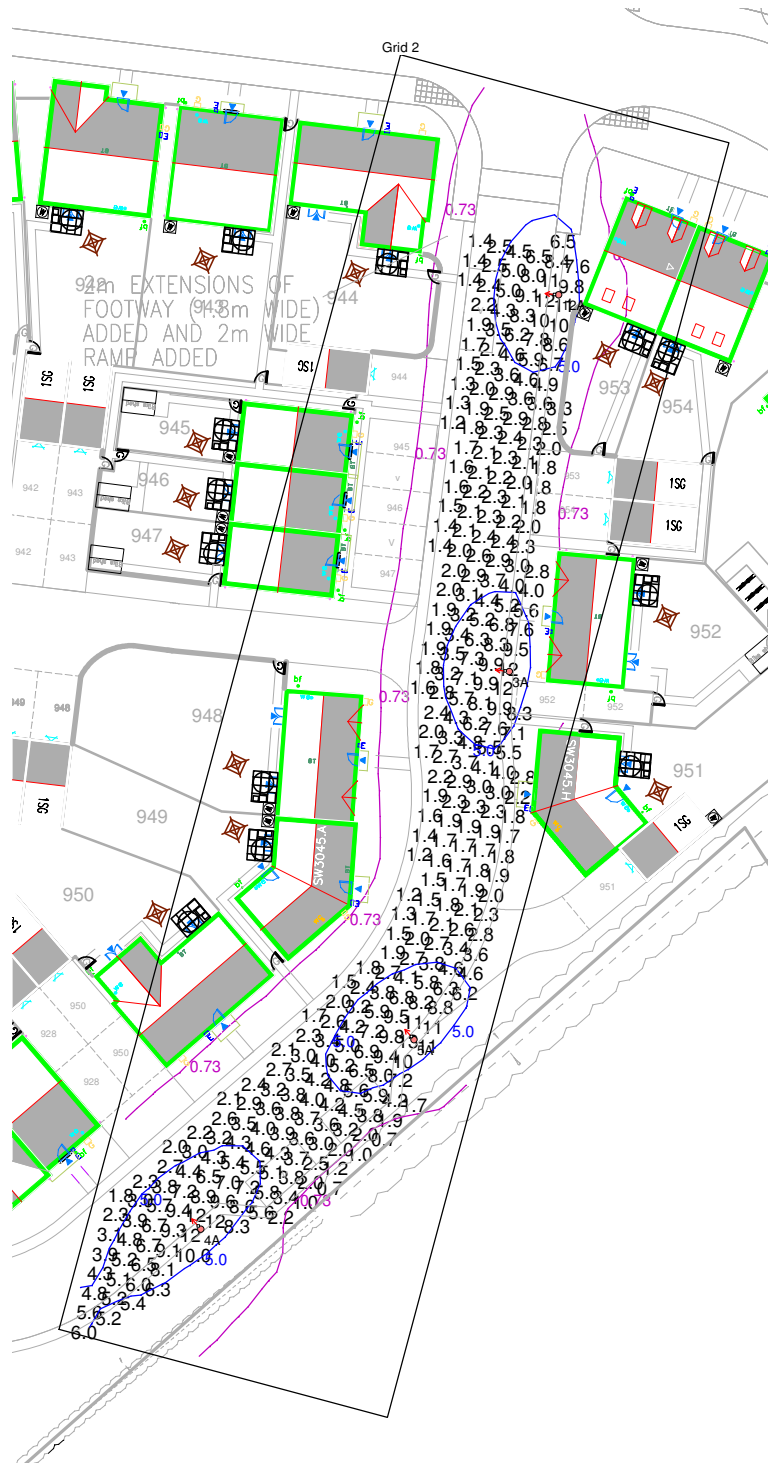


## Results

Eav	3.75
Emin	0.75
Emax	12.40
Emin/Emax	0.06
Emin/Eav	0.20

# Horizontal Illuminance (lux)

Grid 2

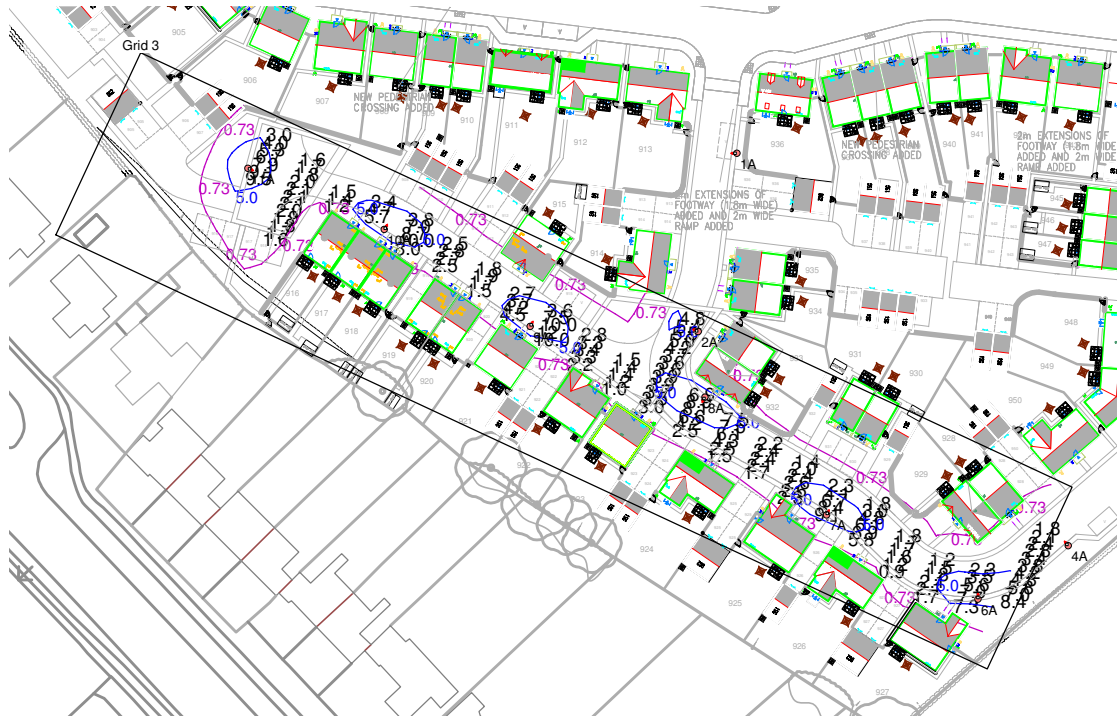


## Results

Eav	4.23
Emin	0.74
Emax	12.55
Emin/Emax	0.06
Emin/Eav	0.17

# Horizontal Illuminance (lux)

Grid 3

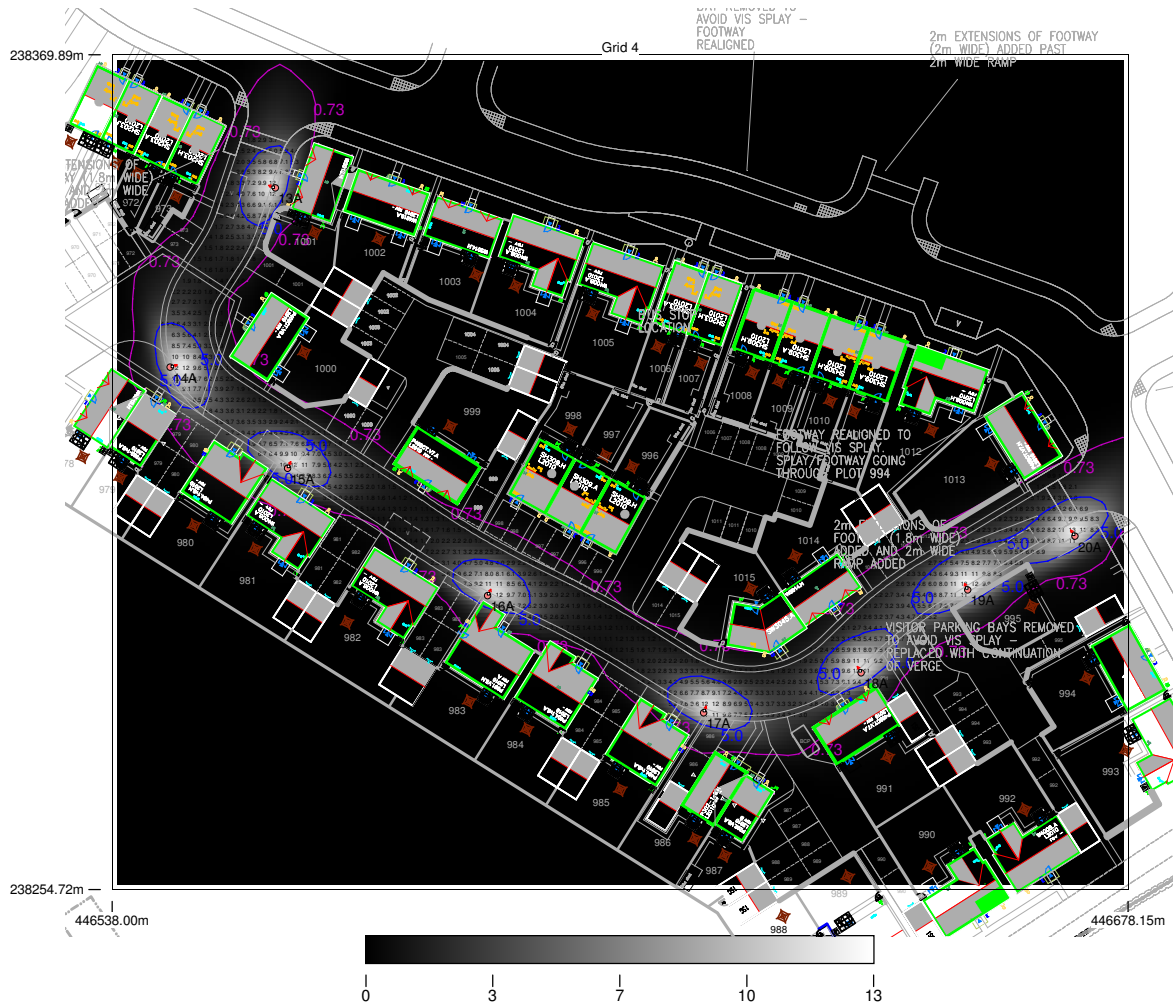


## Results

Eav	3.93
Emin	0.88
E <sub>max</sub>	12.21
E <sub>min</sub> /E <sub>max</sub>	0.07
E <sub>min</sub> /E <sub>av</sub>	0.22

# Horizontal Illuminance (lux)

Grid 4



## Results

Eav	4.15
Emin	0.73
Emax	13.31
Emin/Emax	0.05
Emin/Eav	0.18