

DATE: Rev 15 July 2016
DESIGNER: John McNally
PROJECT No: P035/969
PROJECT NAME: Graven Hill Demonstrator

Target Lighting Levels
P5 Ave. 2.05 - 3.08 Lux
Minimum - 0.41
S/P Ratio applied 1.2

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 424.4m x 161.8m
Area 103.6m x 147.4m
Sample Spacing 1.50m x 1.50m

Luminaires



Luminaire A Data

Supplier	Thorn UK
Type	R2L2 Small - 12 Warm White 3000K LEDs 500mA - EWSC Optic - FI
Lamp(s)	LED 3000K
LampFlux(klm)/Colour	1.96 3000/
File Name	RS12L50EWSC3KG32_DC.LDT
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	716.1, 96.6, 0.0
Lamp S/P Ratio	1.20
No. in Project	8



Luminaire B Data

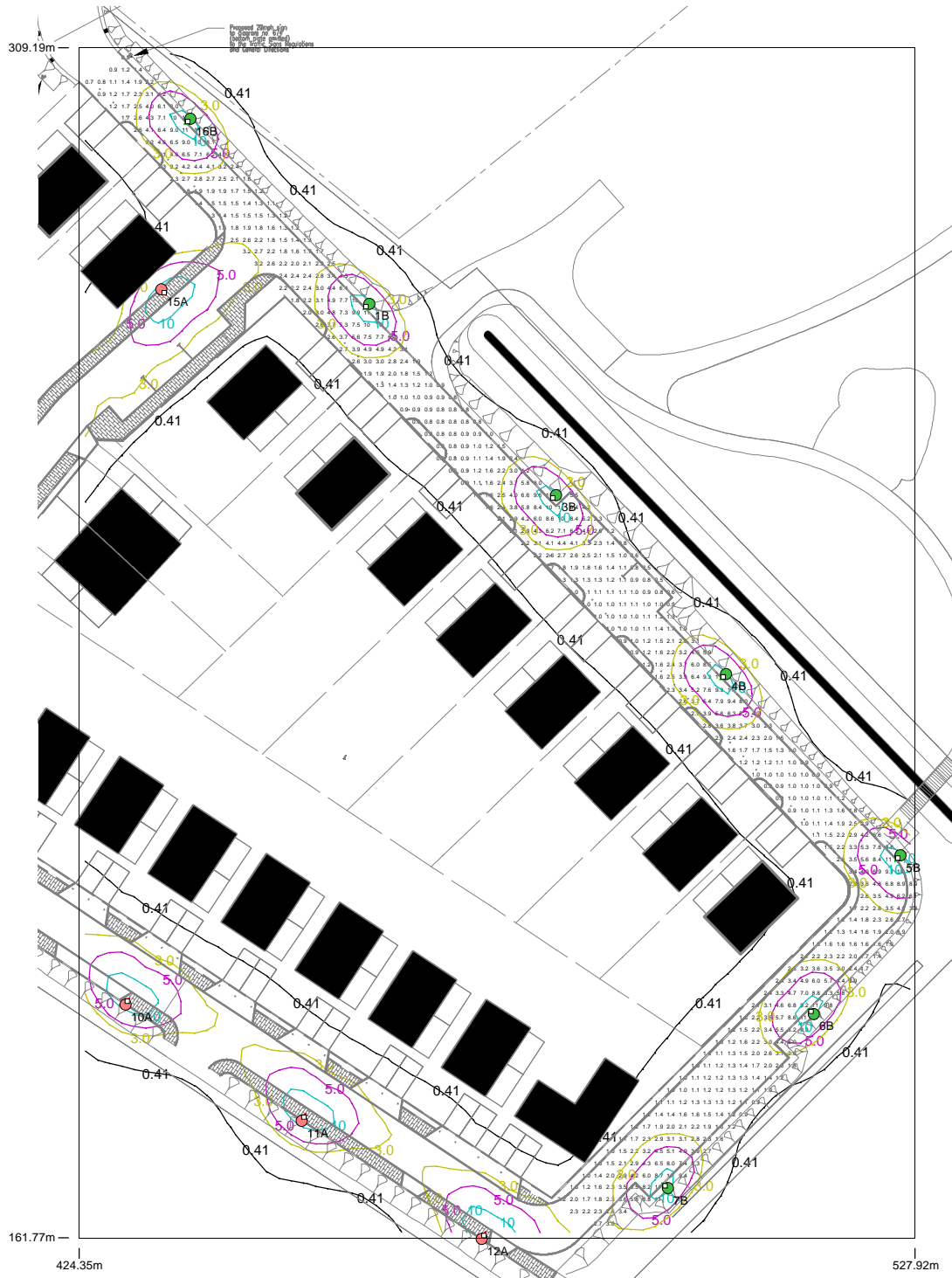
Supplier	Thorn UK
Type	R2L2 Small - 12 Warm White 3000K LEDs 350mA - EWS Optic - Fla
Lamp(s)	LED 3000K
Lamp Flux (klm)	1.41
File Name	RS12L35EWS3KG32_DC.LDT
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	398.0, 190.4, 0.0
Lamp S/P Ratio	1.20
No. in Project	7

Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	460.27	277.48	5.00	222.00	0.00	0.00	0.50			
3	B	483.39	253.78	5.00	222.00	0.00	0.00	0.50			
4	B	504.48	231.61	5.00	221.00	0.00	0.00	0.50			
5	B	526.09	209.19	5.00	226.00	0.00	0.00	0.50			
6	B	515.34	189.52	5.00	138.00	0.00	0.00	0.50			
7	B	497.27	167.98	5.00	140.00	0.00	0.00	0.50			
8	A	388.36	225.74	5.00	319.00	0.00	0.00	0.50			
9	A	406.54	206.65	5.00	54.00	0.00	0.00	0.50			
10	A	430.07	190.70	5.00	59.00	0.00	0.00	0.50			
11	A	451.92	176.34	5.00	59.00	0.00	0.00	0.50			
12	A	474.21	161.71	5.00	60.00	0.00	0.00	0.50			
13	A	402.84	244.61	5.00	327.00	0.00	0.00	0.50			
14	A	417.28	262.88	5.00	326.00	0.00	0.00	0.50			
15	A	434.52	279.27	5.00	311.00	0.00	0.00	0.50			
16	B	438.10	300.38	5.00	225.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 2



Results

Eav	3.06
Emin	0.54
Emax	11.45
Emin/Emax	0.05
Emin/Eav	0.18