

DATE: 21 March 2025
DESIGNER: Nick Smith
PROJECT No: 3125
PROJECT NAME: Leicester Road, Earl Shilton



Nick Smith Associates
Lighting to the end of the tunnel

Design prepared with S9 AS64_LED_142W_GR5_3000K_FG
(lantern A) also checked with A64_GEN2_LED_129W_CLO_GR5
_Blue)_G0_3000K_FG.ies (lantern G) which works slightly better at
the same spacing and improved uniformity

Outdoor Lighting Report

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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	Road 1	446529.00	298198.61	300.00	245.77	1.50	1.50
2	Road 2	446676.86	298423.41	74.16	84.26	1.48	1.48
3	Road 3	446690.44	298328.28	74.16	84.26	1.48	1.48

Luminaires

Luminaire C Data

Supplier	_My data
Type	S1 HWD2-#3K12 500-N2-CLO Gen 5
Lamp(s)	LED 3000K
LampFlux(klm)/Colour	2.48 3000/72
File Name	S1 HWD2-#3K12 500-N2-CLO (19W).ldt
Maintenance Factor	0.83
Lum. Int. Class	G3
No. in Project	2



Luminaire E Data

Supplier	_My data
Type	S2 HWD2-#3K16 700-M1-CLO Gen 5
Lamp(s)	LED 3000K
LampFlux(klm)/Colour	3.62 3000/72
File Name	S2 HWD2-#3K16 700-M1-CLO (34W).ldt
Maintenance Factor	0.83
Lum. Int. Class	G2
No. in Project	21



Luminaire G Data

Supplier	TRT Lighting
Type	A64_GEN2_LED_129W_CLO_GR5_Blue)_G0_3000K_FG
Lamp(s)	42 0129 0000 100
Lamp Flux (klm)	17.98
File Name	A64_GEN2_LED_129W_CLO_GR5_Blue)_G0_3000K_FG.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	662.1, 393.9, 0.0
No. in Project	12

Luminaire H Data

Supplier	TRT Lighting
Type	A32_GEN2_LED_40W_CLO_GA2_(Yellow)_G1_3000K_FG
Lamp(s)	42 0040 0000 100
Lamp Flux (klm)	6.21
File Name	A32_GEN2_LED_40W_CLO_GA2_(Yellow)_G1_3000K_FG.ies
Maintenance Factor	0.83
Lum. Int. Class	G1
No. in Project	1

Luminaire X Data

Supplier	_My data
Type	T5 AMPERA MIDI 5119 - 64 OSLOM SQUA RE GIANT 700mA NW 230V 00
Lamp(s)	64 OSLOM SQUARE GIANT 700mA _NW
LampFlux(klm)/Colour	17.05 NW 4000K/70
File Name	T5_AMPERA MIDI 5119 64 OSLOM SQUA RE GIANT 700mA NW 136W 403192 Flat ...
Maintenance Factor	0.83
Lum. Int. Class	G3
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	X	446867.71	298259.18	10.00	162.00	5.00	0.00	1.00	100%			
2	G	446868.69	298293.56	10.00	188.00	5.00	0.00	1.00	100%			
3	G	446848.43	298322.86	10.00	12.00	0.00	0.00	0.50	100%			
4	G	446839.41	298358.46	10.00	12.00	0.00	0.00	0.50	100%			
5	G	446831.81	298395.25	10.00	0.00	0.00	0.00	0.50	100%			
6	G	446842.33	298436.44	10.00	181.00	0.00	0.00	0.50	100%			
7	G	446827.66	298477.15	10.00	352.00	0.00	0.00	0.50	100%			
8	G	446831.08	298514.94	10.00	353.00	0.00	0.00	0.50	100%			
9	G	446854.77	298552.39	10.00	164.00	0.00	0.00	0.50	100%			
10	G	446824.38	298552.29	10.00	71.00	0.00	0.00	0.50	100%			
11	G	446851.19	298592.73	10.00	343.00	0.00	0.00	0.50	100%			
12	H	446812.72	298426.67	8.00	85.00	0.00	0.00	0.50	100%			
13	C	446809.26	298511.81	6.00	26.00	0.00	0.00	0.40	60%			
14	C	446790.25	298542.40	6.00	29.00	0.00	0.00	0.40	60%			
15	G	446867.37	298629.23	10.00	343.00	0.00	0.00	0.50	100%			
16	G	446788.37	298563.75	10.00	62.00	0.00	0.00	0.50	100%			
17	E	446758.51	298433.49	8.00	292.00	0.00	0.00	0.50	70%			
18	E	446734.78	298409.34	8.00	112.00	0.00	0.00	0.50	70%			
19	E	446730.03	298435.55	6.00	22.00	0.00	0.00	0.50	70%			
20	E	446704.63	298410.89	6.00	277.00	0.00	0.00	0.50	70%			
21	E	446718.46	298390.31	6.00	195.00	0.00	0.00	0.50	50%			
22	E	446667.14	298415.24	6.00	256.00	0.00	0.00	0.50	70%			
23	E	446630.80	298419.01	6.00	275.00	0.00	0.00	0.50	70%			
24	E	446592.50	298406.38	6.00	300.00	0.00	0.00	0.50	70%			
25	E	446559.35	298382.35	6.00	314.00	0.00	0.00	0.50	70%			
26	E	446539.28	298346.28	6.00	347.00	0.00	0.00	0.50	70%			
27	E	446544.06	298310.08	6.00	13.00	0.00	0.00	0.50	70%			
28	E	446550.14	298277.73	6.00	11.00	0.00	0.00	0.50	70%			
29	E	446572.45	298227.37	6.00	56.00	0.00	0.00	0.50	70%			
30	E	446597.40	298216.30	6.00	70.00	0.00	0.00	0.50	70%			
31	E	446738.64	298355.83	6.00	116.00	0.00	0.00	0.50	100%			
32	E	446786.13	298441.03	8.00	273.00	0.00	0.00	0.50	70%			
33	E	446710.46	298468.53	6.00	34.00	0.00	0.00	0.50	70%			
34	E	446694.96	298494.15	6.00	306.00	0.00	0.00	0.50	70%			
35	E	446597.00	298236.01	10.00	339.00	0.00	0.00	0.50	70%			
36	E	446555.12	298249.88	6.00	12.00	0.00	0.00	0.60	70%			

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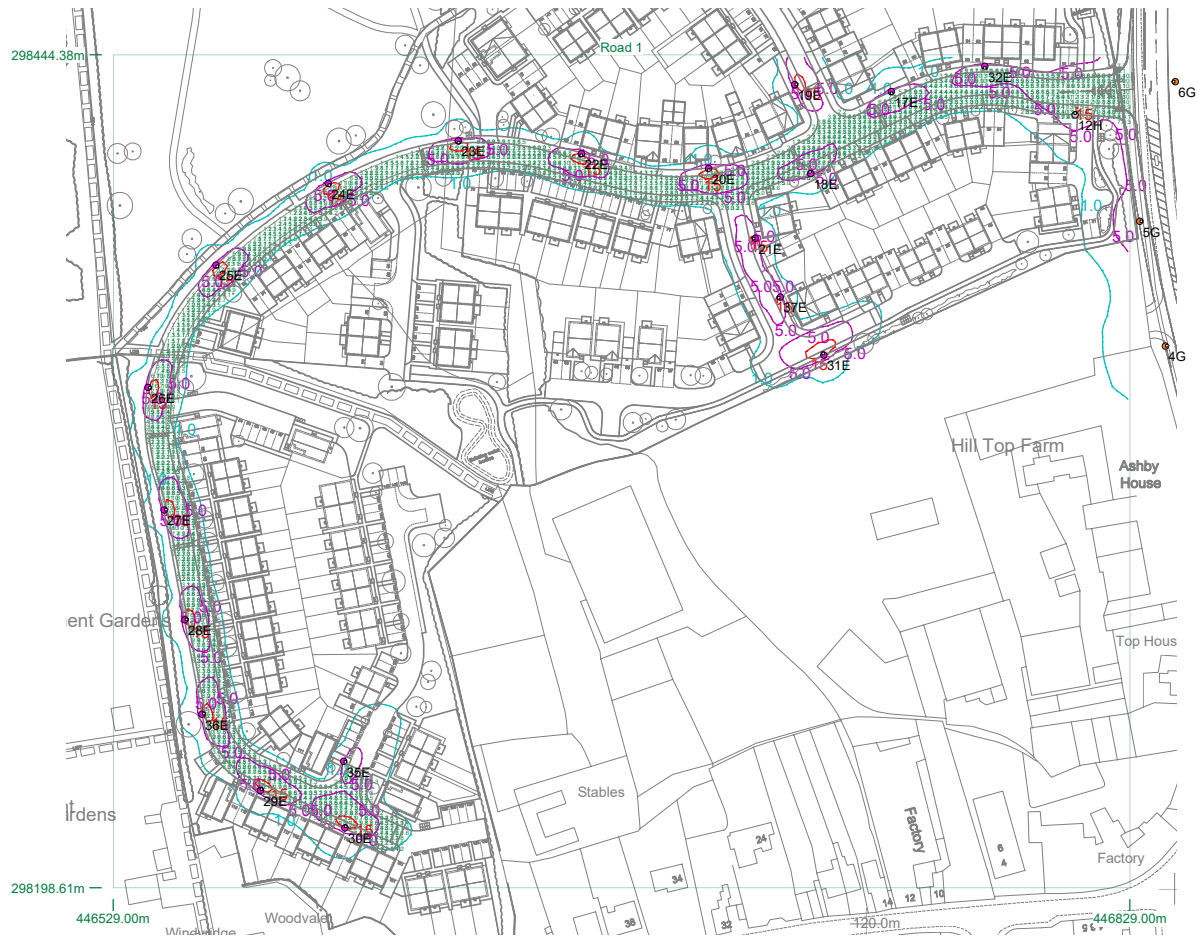


Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
37	E	446725.77	298372.92	6.00	199.00	0.00	0.00	0.50	50%			

Horizontal Illuminance (lux)

Road 1

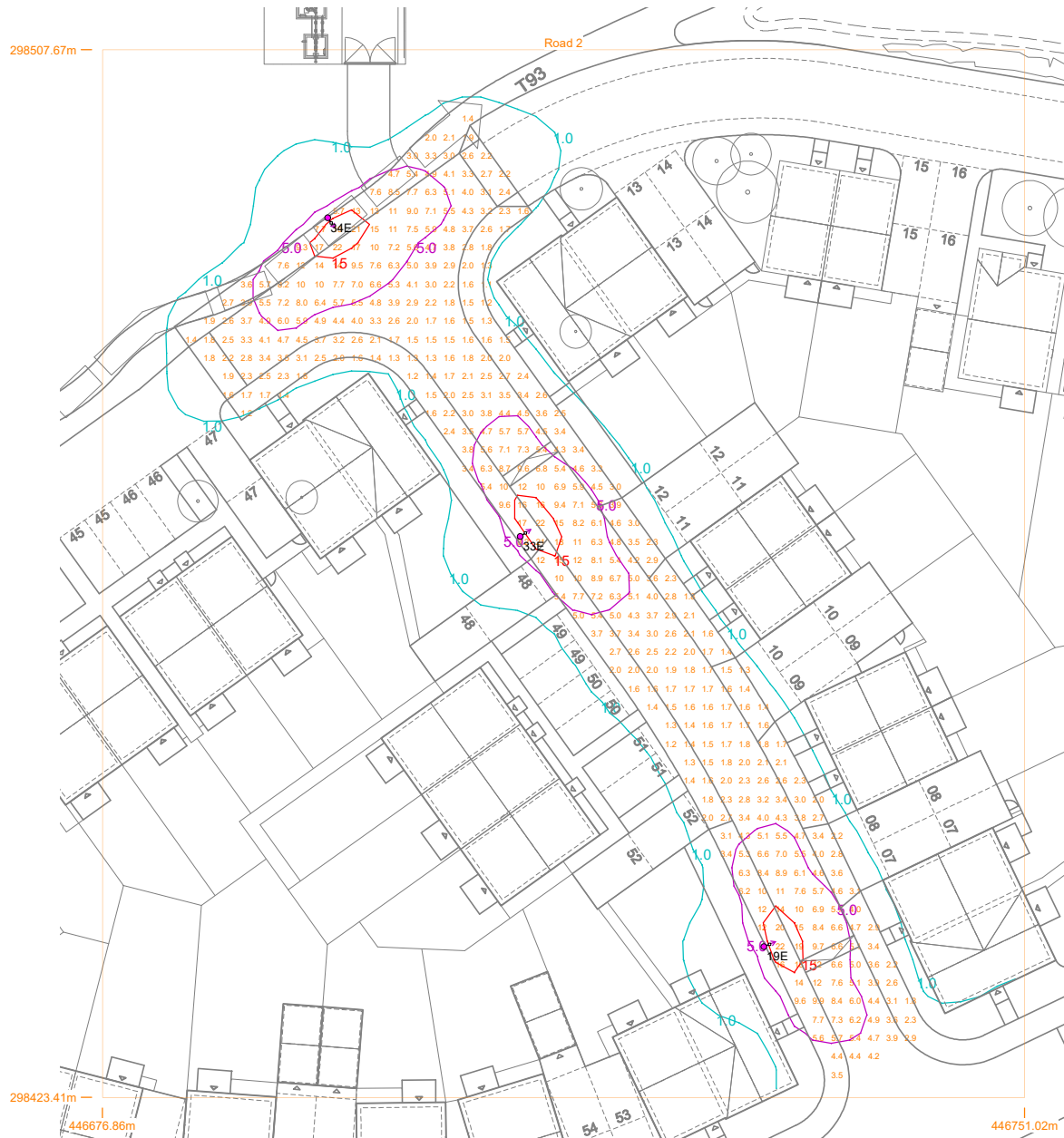


Results

Eav	5.47
Emin	1.15
E _{max}	23.43
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.21

Horizontal Illuminance (lux)

Road 2

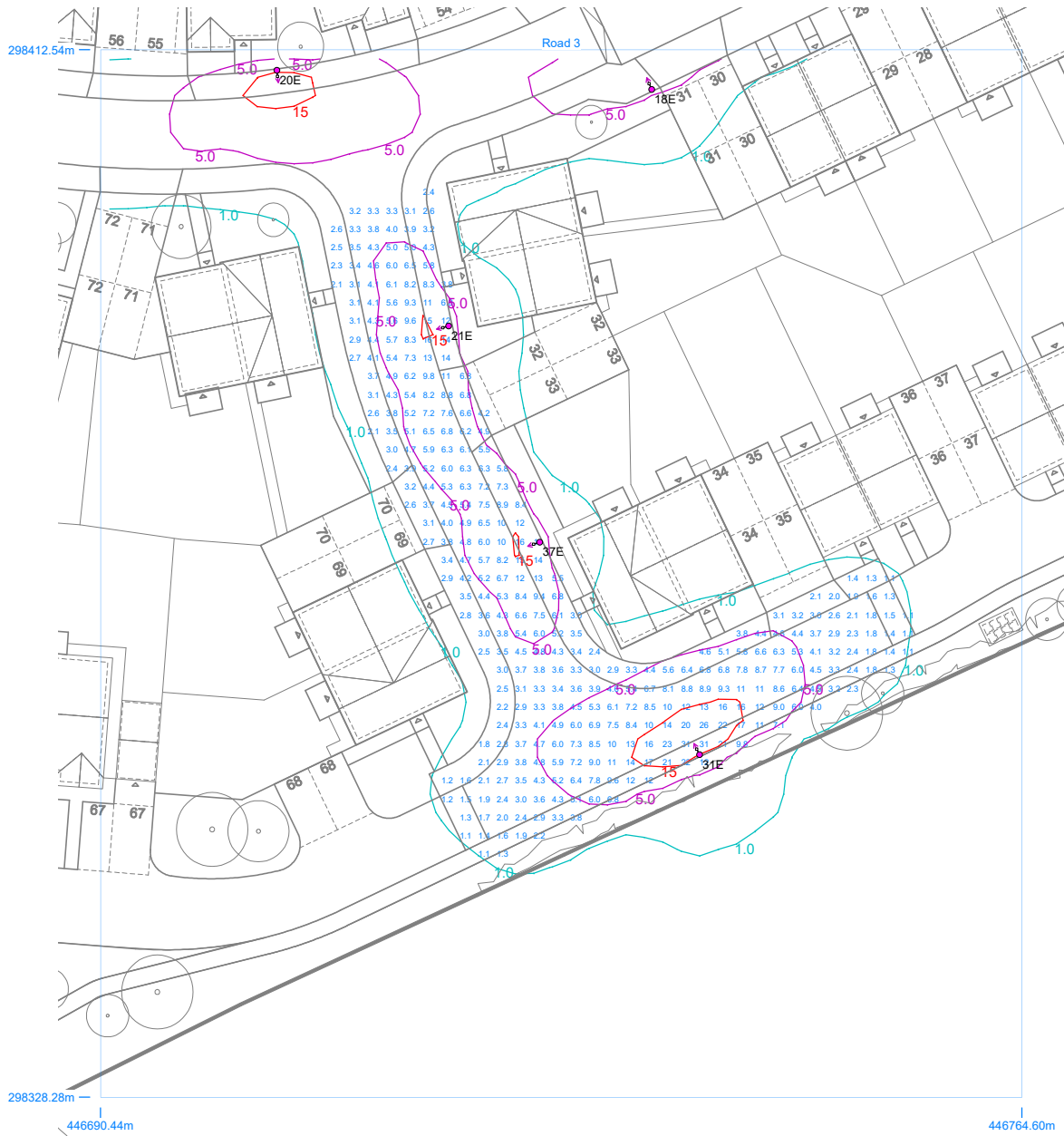


Results

Eav	5.00
Emin	1.14
Emax	22.02
Emin/Emax	0.05
Emin/Eav	0.23

Horizontal Illuminance (lux)

Road 3



Results

Eav	6.01
Emin	1.08
Emax	31.16
Emin/Emax	0.03
Emin/Eav	0.18