

DATE: 9 April 2026
DESIGNER: Lucien McQueen
PROJECT No: ZT170326-1 v2
PROJECT NAME: Wheelwrights Place, Crawley Down



Outdoor Lighting Report

DISCLAIMER: This lighting layout is provided for indicative guidance only and does not constitute a detailed lighting design. Calculations are based on assumed site conditions and may not reflect all installation, environmental, or maintenance factors. Where lighting performance or lux levels are critical, Gemma Lighting recommends that a full design is undertaken by a suitably qualified lighting designer or engineer. To the fullest extent permitted by law, Gemma Lighting accepts no liability for any loss or damage arising from reliance on this information without independent verification or a comprehensive lighting design. Nothing in this disclaimer excludes liability that cannot be excluded under the Unfair Contract Terms Act 1977.

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	Site	1114007.35	248429.55	206.95	138.75	1.50	1.49
2	Access Road	1114050.98	248448.45	134.13	90.98	1.49	1.49
3	Plots 1 - 4	1114158.03	248481.91	25.67	49.42	1.43	1.50
4	Plots 2, 3 & \$ Rear	1114154.82	248508.94	8.96	28.18	1.49	1.48

Luminaires

Luminaire A Data

Supplier	
Type	Nelson 10W
Lamp(s)	NB10-A1X-00B
LampFlux(klm)/Colour	0.86 2700K/Ra80
File Name	Nelson 10W - 2.7K.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	118.7, 282.3, 298.4
No. in Project	7

Luminaire B Data

Supplier	
Type	Portchester 15W Hood
Lamp(s)	PH15-A3X-00B
LampFlux(klm)/Colour	1.21 2700K/Ra80
File Name	Portchester 15W - Hood - 2.7K.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	186.2, 122.9, 0.0
No. in Project	16

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	1114086.85	248485.59	1.00	109.00	0.00	0.00	0.00			
2	A	1114104.26	248494.83	1.00	127.00	0.00	0.00	0.00			
3	A	1114119.08	248506.89	1.00	122.00	0.00	0.00	0.00			
4	A	1114131.95	248504.91	1.00	28.00	0.00	0.00	0.00			
5	A	1114140.16	248489.09	1.00	41.00	0.00	0.00	0.00			
6	A	1114151.71	248477.77	1.00	114.00	0.00	0.00	0.00			
7	A	1114147.23	248498.28	1.00	295.00	0.00	0.00	0.00			
8	B	1114131.73	248519.67	1.85	128.00	90.00	0.00	0.00			
9	B	1114141.49	248512.48	1.85	312.00	90.00	0.00	0.00			
10	B	1114152.07	248502.38	1.85	313.00	90.00	0.00	0.00			
11	B	1114154.92	248497.78	1.85	133.00	90.00	0.00	0.00			
12	B	1114143.02	248475.85	1.85	306.00	90.00	0.00	0.00			
13	B	1114140.33	248525.48	1.85	37.00	90.00	0.00	0.00			
14	B	1114146.31	248518.76	1.85	46.00	90.00	0.00	0.00			
15	B	1114150.65	248513.69	1.85	40.00	90.00	0.00	0.00			
16	B	1114153.95	248510.06	1.85	40.00	90.00	0.00	0.00			
17	B	1114152.05	248507.18	1.85	303.00	90.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
18	B	1114162.01	248498.54	1.85	40.00	90.00	0.00	0.00			
19	B	1114165.54	248494.57	1.85	40.00	90.00	0.00	0.00			
20	B	1114159.20	248496.81	1.85	129.00	90.00	0.00	0.00			
21	B	1114130.04	248476.32	1.85	219.00	90.00	0.00	0.00			
22	B	1114132.99	248472.99	1.85	220.00	90.00	0.00	0.00			
23	B	1114135.54	248473.88	1.85	307.00	90.00	0.00	0.00			

Horizontal Illuminance (lux)

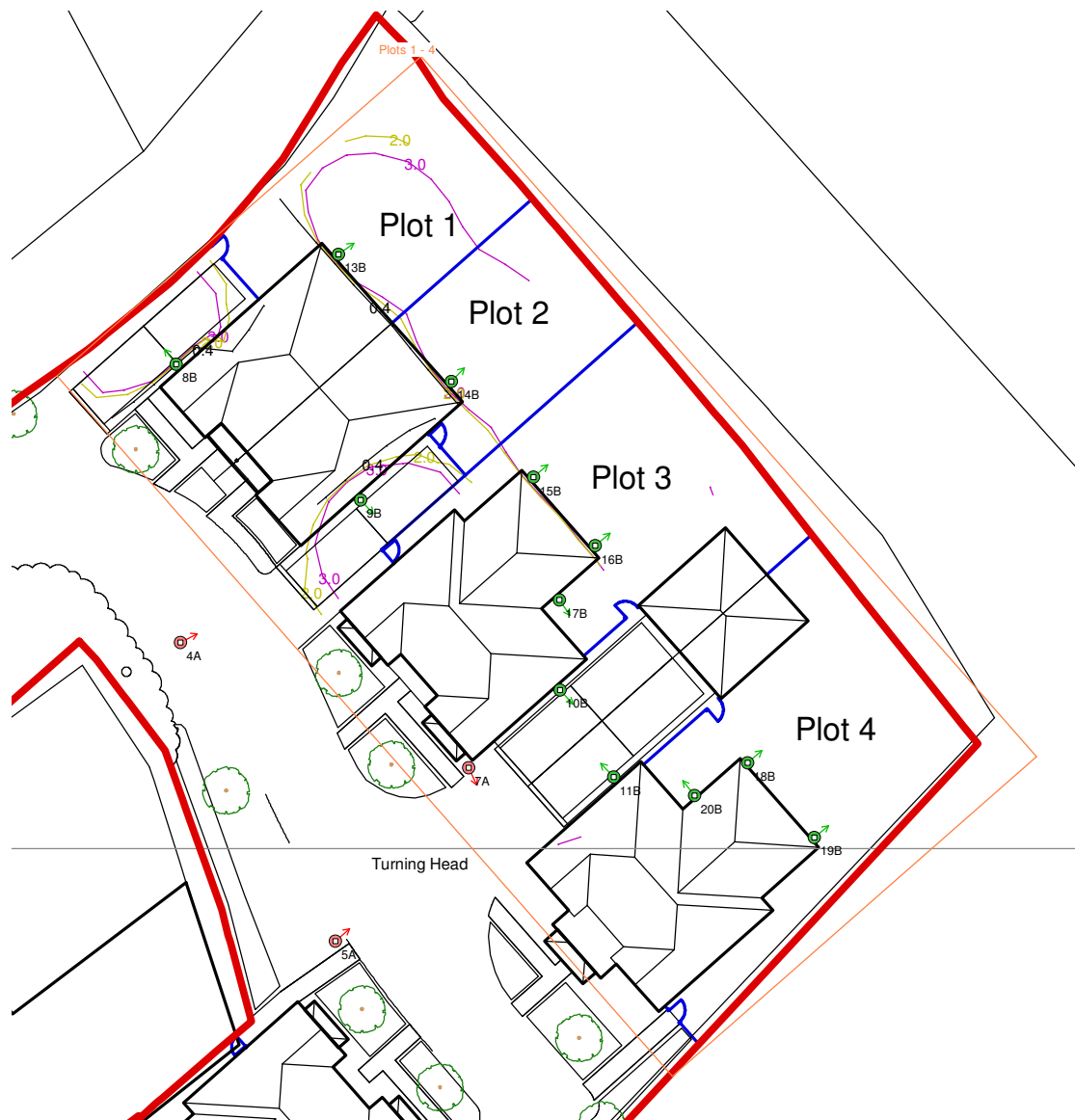


Results

Eav	3.84
Emin	0.41
Emax	49.65
Emin/Emax	0.01
Emin/Eav	0.11

Horizontal Illuminance (lux)

Plots 1 - 4

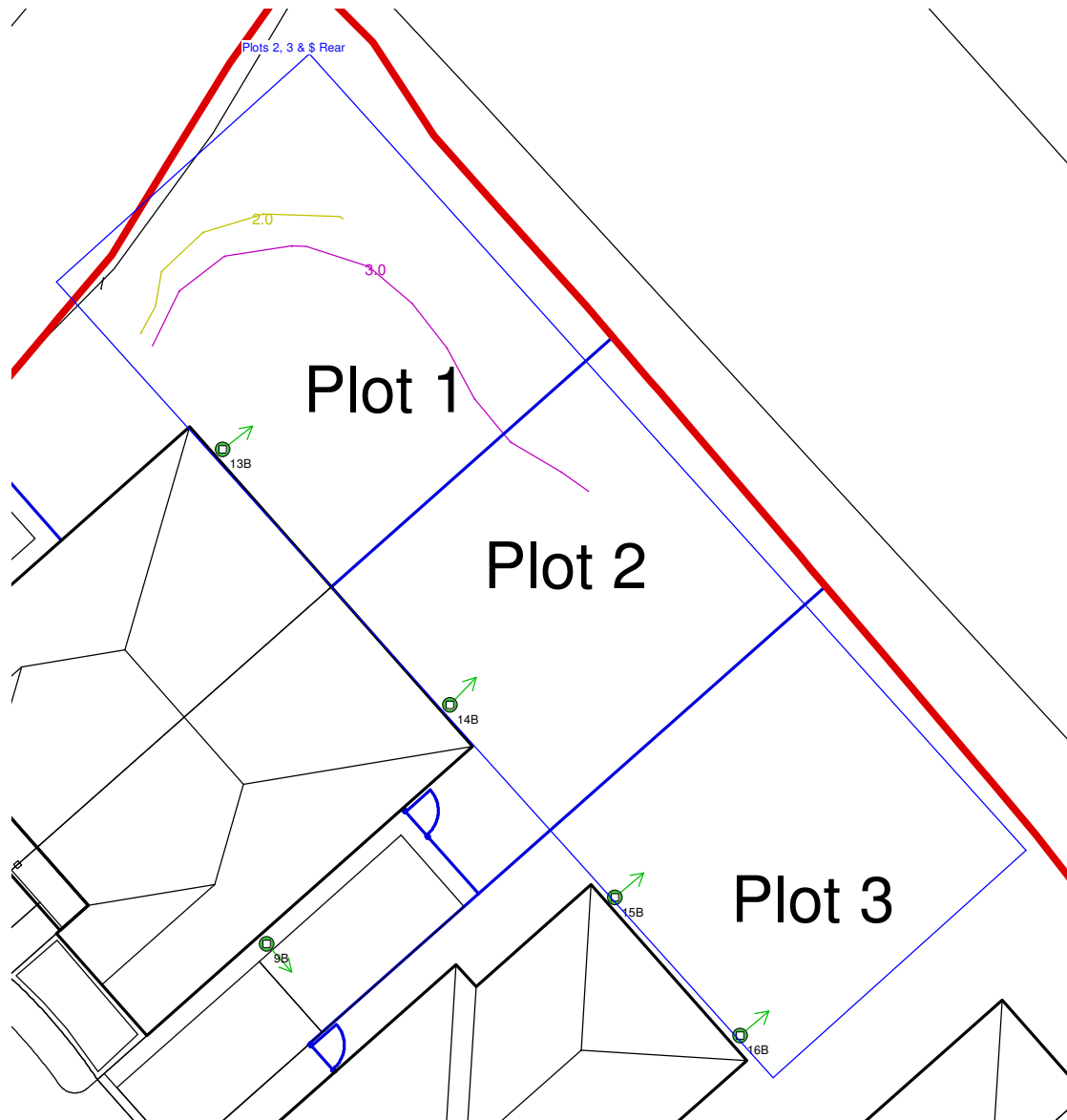


Results

Eav	13.89
Emin	0.14
E _{max}	56.26
Emin/E _{max}	0.00
Emin/Eav	0.01

Horizontal Illuminance (lux)

Plots 2, 3 & \$ Rear



Results

Eav	12.93
Emin	1.41
E _{max}	45.74
E _{min} /E _{max}	0.03
E _{min} /E _{av}	0.11