

DATE: 3 June 2026
DESIGNER: WLC
PROJECT No: WLC1549
PROJECT NAME: Wood Vale, Billinghamurst, West Sussex



The proposed lighting design adheres to the requirements of the following lighting class(es):

Achieved lighting levels: Wayfinding only

Refer to report for specific results.

WLC1549-LC-AC-001 R0

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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	Grid 1	509455.34	126049.94	132.00	91.21	1.50	1.50
2	Grid 2	509471.11	126046.19	33.00	33.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	
Type	Sierra Solar Bollard_Symmetric_2700K
Lamp(s)	5050 2.7K RA70 T1
Lamp Flux (klm)	0.90
File Name	Sierra Solar Bollard_Symmetric_2700K.ies
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	136.9, 26.2, 7.2
No. in Project	14

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	509485.42	126071.93	1.13	14.00	0.00	0.00	0.00			
2	A	509488.03	126062.77	1.13	27.00	0.00	0.00	0.00			
3	A	509497.58	126062.66	1.13	104.00	0.00	0.00	0.00			
4	A	509509.47	126064.09	1.13	98.00	0.00	0.00	0.00			
5	A	509520.43	126069.50	1.13	133.00	0.00	0.00	0.00			
6	A	509471.47	126065.69	1.13	104.00	0.00	0.00	0.00			
7	A	509524.59	126080.42	1.13	343.00	0.00	0.00	0.00			
8	A	509529.01	126090.30	1.13	0.00	0.00	0.00	0.00			
9	A	509534.03	126101.03	1.13	128.00	0.00	0.00	0.00			
10	A	509478.84	126074.23	1.13	285.00	0.00	0.00	0.00			
11	A	509543.93	126107.63	1.13	113.00	0.00	0.00	0.00			
12	A	509554.28	126109.76	1.13	95.00	0.00	0.00	0.00			
13	A	509564.79	126110.11	1.13	91.00	0.00	0.00	0.00			
14	A	509479.87	126057.57	1.13	105.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1

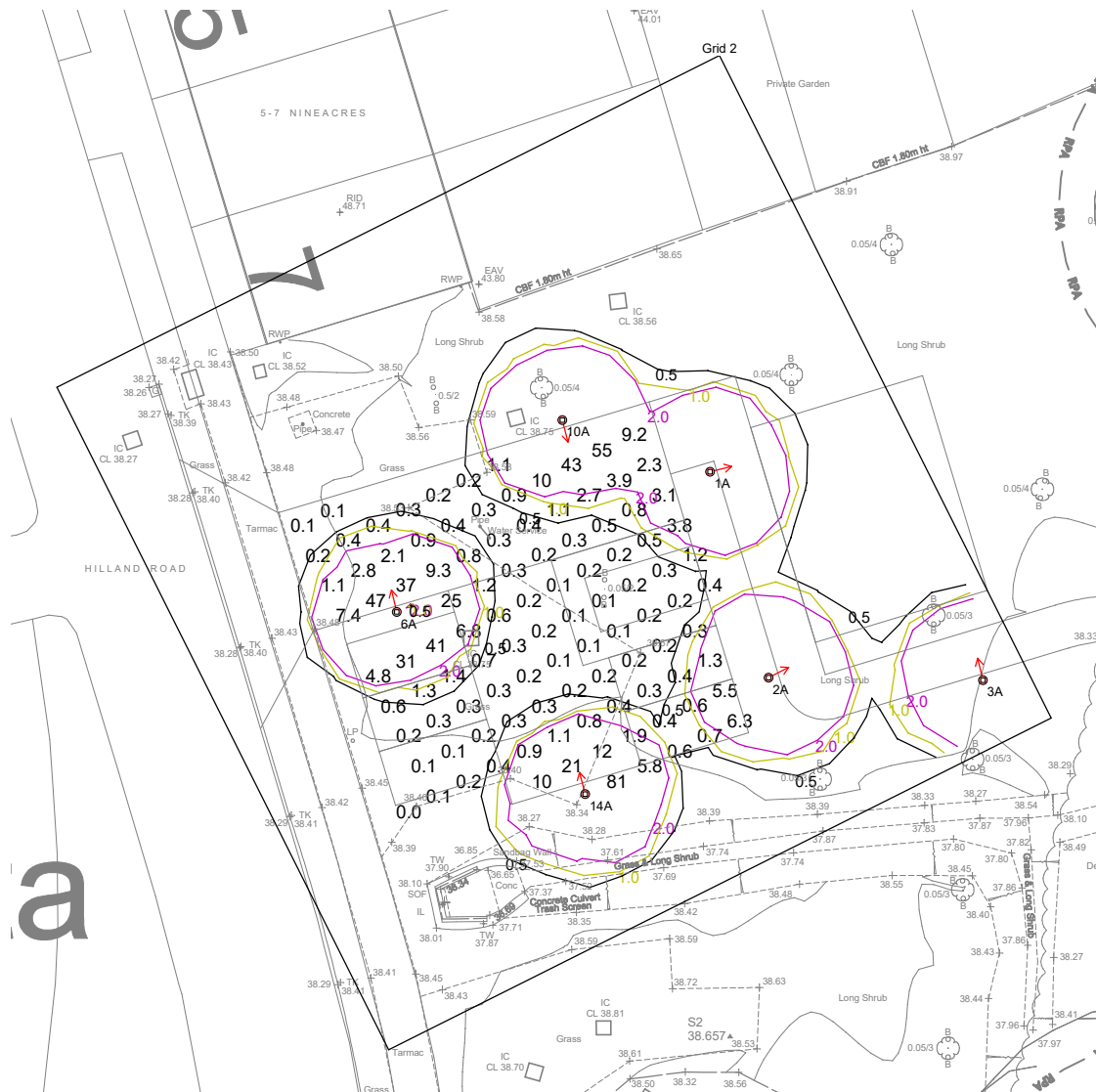


Results

Eav	16.52
Emin	0.11
Emax	86.34
Emin/Emax	0.00
Emin/Eav	0.01

Horizontal Illuminance (lux)

Grid 2



Results

Eav	5.02
Emin	0.04
Emax	80.90
Emin/Emax	0.00
Emin/Eav	0.01