

Key

0.040	0.034	0.021	0.024	0.050	0.022	0.050	0.051	0.076	0.085	0.053	0.054	0.055	0.095	0.062	0.092	0.057	0.052	0.12	
0.031	0.020	0.031	0.019	0.028	0.020	0.076	0.047	0.050	0.045	0.086	0.061	0.061	0.053	0.061	0.046	0.059	0.056	0.078	0.082
0.019	0.021	0.043	0.015	0.055	0.049	0.044	0.024	0.058	0.073	0.035	0.071	0.076	0.052	0.051	0.050	0.13	0.051	0.15	0.089
0.013	0.019	0.041	0.047	0.012	0.024	0.067	0.039	0.037	0.033	0.090	0.049	0.062	0.043	0.042	0.048	0.14	0.051	0.047	

V1) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

0.16	0.038	0.021	0.018	0.017	0.011	0.005	0.012	0.009	0.017	0.014	0.016	0.039	0.059	0.12	0.042	0.067	0.053	0.066	0.033	0.033	0.025	0.024	0.024	0.032	0.026	0.043
0.083	0.055	0.12	0.014	0.030	0.007	0.008	0.006	0.004	0.005	0.010	0.011	0.041	0.060	0.11	0.040	0.034	0.084	0.042	0.028	0.033	0.051	0.050	0.032	0.030	0.021	0.020
0.12	0.091	0.029	0.076	0.014	0.013	0.011	0.004	0.007	0.003	0.019	0.009	0.016	0.074	0.086	0.074	0.12	0.059	0.066	0.069	0.024	0.029	0.049	0.029	0.055	0.075	0.020
0.040	0.12	0.019	0.035	0.011	0.094	0.040	0.004	0.003	0.004	0.007	0.006	0.010	0.098	0.032	0.036	0.044	0.037	0.080	0.050	0.029	0.035	0.030	0.046	0.020	0.022	0.021

V2) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

0.011	0.012	0.007	0.024	0.032	0.022	0.007	0.011	0.010	0.017	0.011	0.009	0.018	0.013	0.014	0.062	0.042	0.019	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.008	0.007	0.005	0.006	0.017	0.006	0.022	0.011	0.011	0.043	0.021	0.024	0.012	0.014	0.011	0.011	0.052	0.034	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.030	0.008	0.006	0.008	0.008	0.021	0.017	0.011	0.023	0.036	0.022	0.017	0.021	0.052	0.010	0.038	0.011	0.007	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.005	0.007	0.007	0.013	0.008	0.010	0.009	0.028	0.013	0.027	0.025	0.014	0.011	0.011	0.013	0.018	0.004	0.007	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

V3) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

0.001	0.002	0.002	0.002	0.010	0.004	0.004	0.004	0.035	0.006	0.007	0.006	0.022	0.015	0.006	0.006	0.009	0.009	0.009	0.012	0.021	0.015	0.023	0.019	0.020	0.024	0.033	
0.001	0.001	0.002	0.002	0.003	0.004	0.004	0.003	0.004	0.007	0.004	0.004	0.005	0.005	0.005	0.005	0.007	0.009	0.012	0.009	0.029	0.011	0.016	0.034	0.057	0.015	0.021	
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.033	0.006	0.005	0.004	0.006	0.023	0.028	0.007	0.017	0.018	0.027	0.018	
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.003	0.003	0.007	0.003	0.005	0.011	0.018	0.014	0.059	0.023	0.013	0.018	0.012

V4) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.



Isoline and illuminance value (lux) at 1000mm above the ground level.



Dark zone requirement.



Vertical calculation surface positioned at 1000mm above ground level.



Illuminance value (lux) on the vertical surface.

Notes

- Drawing to be cross-referenced with the Luminaire Schedule.
- Locations of light fittings (and circuits and controls, where required) can be found on the Layout Drawing(s).
- Illuminance measurements (conveyed as isolines / lux contours) have been calculated using a maintenance factor of 1.0.
- All external lighting within transition spaces is to be operated via PIR control and shall switch off 1-2 minutes after absence has been detected.
- All other external lighting shall be dimmable to a minimum of 10% of the total light output (although 1% is preferable).
- Dimensions are provided in millimeters.
- Illuminance measurements are recorded at regular intervals across the designated calculation surface.

 ECOLOGICAL LIGHTING SOLUTIONS WILDLIFE-FRIENDLY LIGHTING DESIGN		
Rev:	0	
Reason:	N/A	
Status:	For planning	
Date:	15/01/2026	
Project	Land at Bishopstone	
Client	Cherrington Planning	
Drawing title	Site Isolines 02	
Drawing no.	P25180 - 00 - 02 - ISO	
Project no. P25180	Service no. S1	Iteration no. I0
Drawn by BR	Checked by JK	Scale 1:400 A3 1:200 A1