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Upward Waste Light Ratio
Total Watts = 1612
UWLR = 0.032

Existing Hedgerow
To be reduced in width to accomodate new road widening. Existing species to be retained and enhanced with native species. Plants which are removed are to be translocated in line with ecological recommendations.

Additional transplanting of existing hedgerow possible in this location if required.

Proposed native meadow
Low maintenance tussocky grass mix to provide ecological value.

Symbol	Qty	Label	Sap Code	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
[Symbol]	6	A-6	92907852	SINGLE	R2L2 S 12L50-740 EWR BS 3550 CL1 GY	0.790	2922	20	120	6
[Symbol]	3	A-6 Twin	2 x 92907852	Back-Back	2 x R2L2 S 12L50-740 EWR BS 3550 CL1 GY	0.790	2922	20	120	6
[Symbol]	26	CA	98264242	SINGLE	TR B S 10L25 740 ASY CL1 MGR	0.790	813	11	288	1
[Symbol]	31	CS	98264241	SINGLE	TR B S 10L25 740 R_S CL1 MGR	0.790	872	11	341	1
[Symbol]	21	B	98666258	SINGLE	PIAZZA II 1690-840	0.790	1844	15	315	2.4
[Symbol]	11	D	92901987	SINGLE	AQFFRO S LED 2900-840 PC WB HF	0.790	3021	22	242	4
[Symbol]	4	A-4 Twin	2 x 92907852	BACK-BACK	2 x R2L2 S 12L50-740 EWR BS 3550 CL1 GY	0.790	2922	20	160	4
[Symbol]	7	B1	98666256	SINGLE	PIAZZA II 1690-840	0.790	1844	15	105	1.8

Label	CalcType	Units	Avg	Max	Min	MiniAvg
Bldg Perimeter	Illuminance	Lux	20.01	38	5	0.25
Car Parking	Illuminance	Lux	6.94	15	2	0.23
Drop Off Area	Illuminance	Lux	18.48	133	5	0.27
Habitat Area	Illuminance	Lux	13.37	127	3	0.22
Main Bldg Entrance	Illuminance	Lux	19.34	39	4	0.21
North West Hedge 1m	Illuminance	Lux	0.26	1	0	0.00
Path To Sports	Illuminance	Lux	24.02	62	6	0.25
Plant	Illuminance	Lux	23.96	55.1	5.9	0.29
Rear Path	Illuminance	Lux	16.60	61	2	0.12
South Hedge 1m	Illuminance	Lux	0.18	1	0	0.00
South West Hedge 1m	Illuminance	Lux	0.09	1	0	0.00
Vehicle Access	Illuminance	Lux	5.94	24	3	0.51

Label	UWLR	%
Upward Waste Light Ratio	0.032	

PLANT AREA OPEN WITH 2.5M HIGH PERIMETER WALL
CANOPY WITHIN DROP OFF ZONE ASSUMED AT 4M AFFL. SIZE OF CANOPY TO BE DEFINED AND ADJUSTED LIGHTING LAYOUT TO SUIT MAY BE REQUIRED
ILLUMINATION LEVELS TO BE CHECKED AGAINST SPECIFICATION. RISK ASSESSMENT MAY REQUIRE INCREASED LEVELS

Isoline Legend	Illuminance (Lux)	Color	Value
[Green Line]	0.5	Green	0.5
[Purple Line]	1	Purple	1

Project Title: Ysgyd Y Ddi
Area: External Lighting
Client: McEwan & Partners Cardiff
Scale: 1:200 (B/A0)
Date: 27.09.22
Drawing Number: 000228379-EX-R2-270922
Rev Number: R2
Checked By:
For Approval
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Tel: 01588 420042
accd SIMES THORN
zgs ZUMTOBEL
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