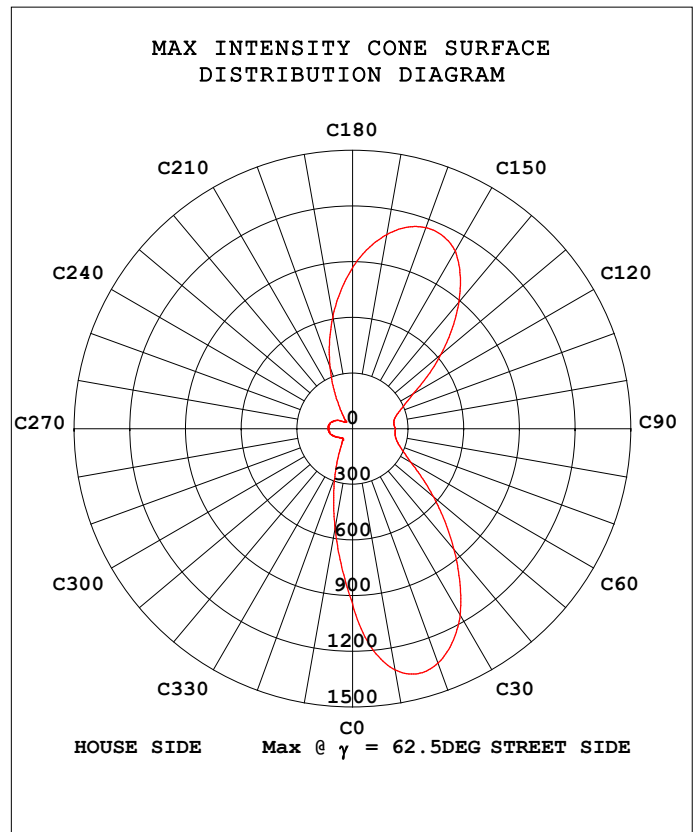
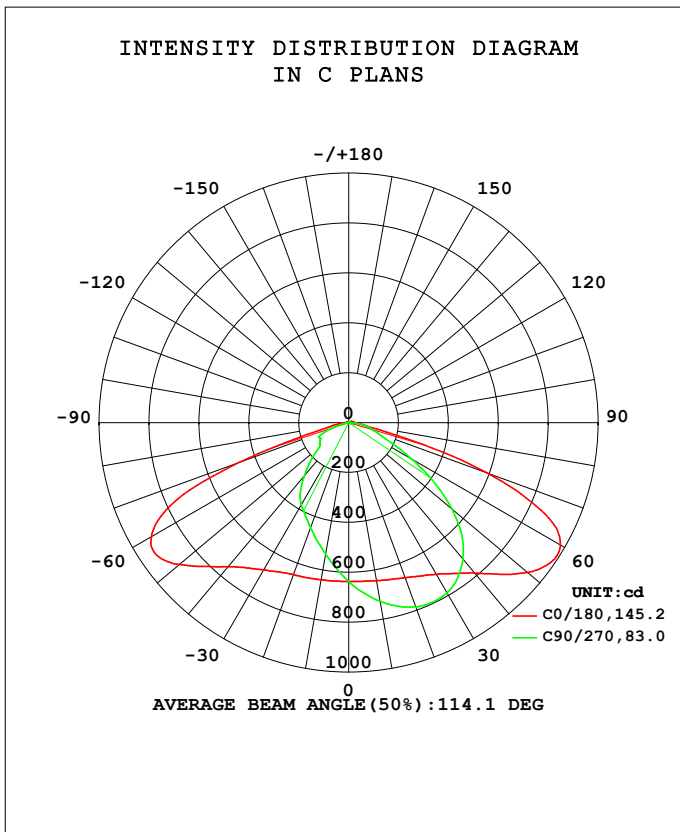


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL-CLX-0040	I <sub>max</sub> (cd)	1161	η street_up (%)	0.6
NOMINAL POWER (W)	15.3	LOR (%)	100.0	η street_down (%)	66.5
RATED VOLTAGE (V)	3.2	TOTAL FLUX (lm)	2567	η house_up (%)	0.4
NOMINAL FLUX (lm)	2566.65	MAXIMUM @ (C, γ )	30, 62.5	η house_down (%)	32.5
LAMPS INSIDE	1	η up (%)	1.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	3.2	η down (%)	99.0	SLI	16.894

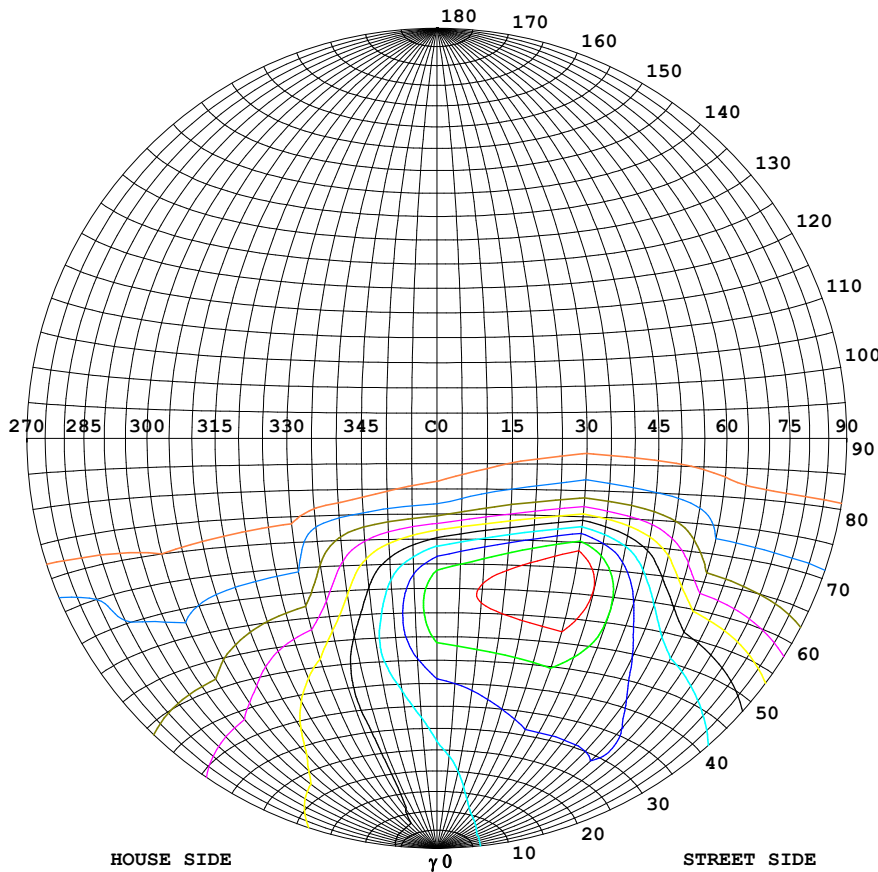


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity: 65.0%  
 Test Distance: 8.884m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



**Classification:**

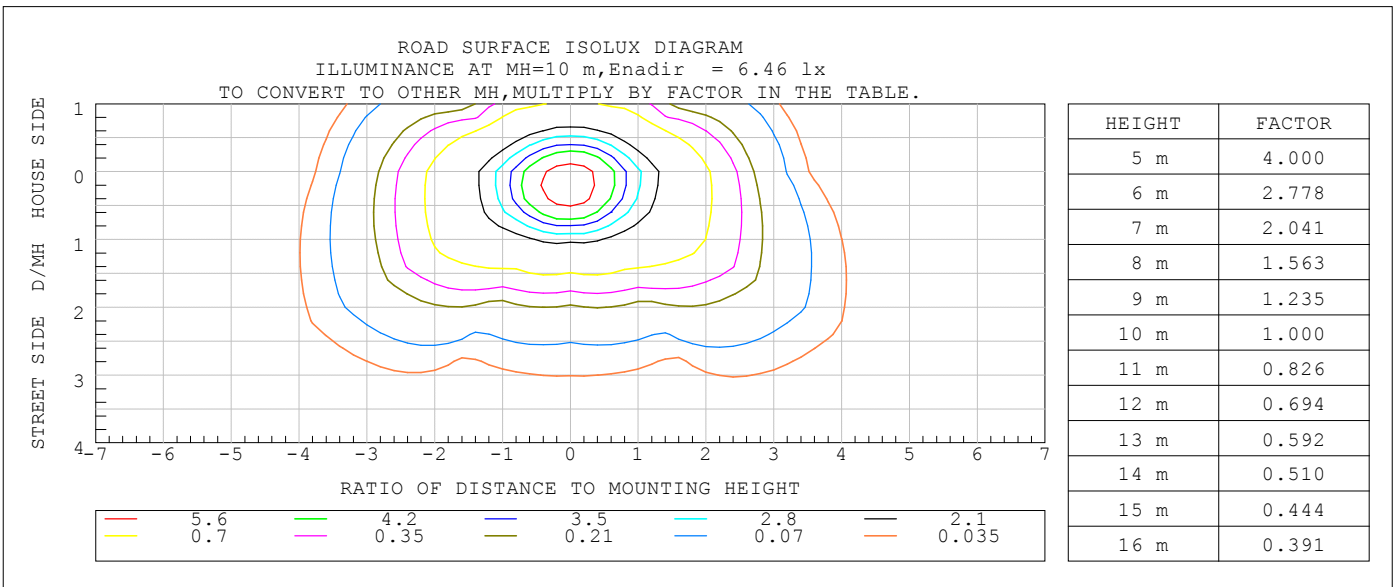
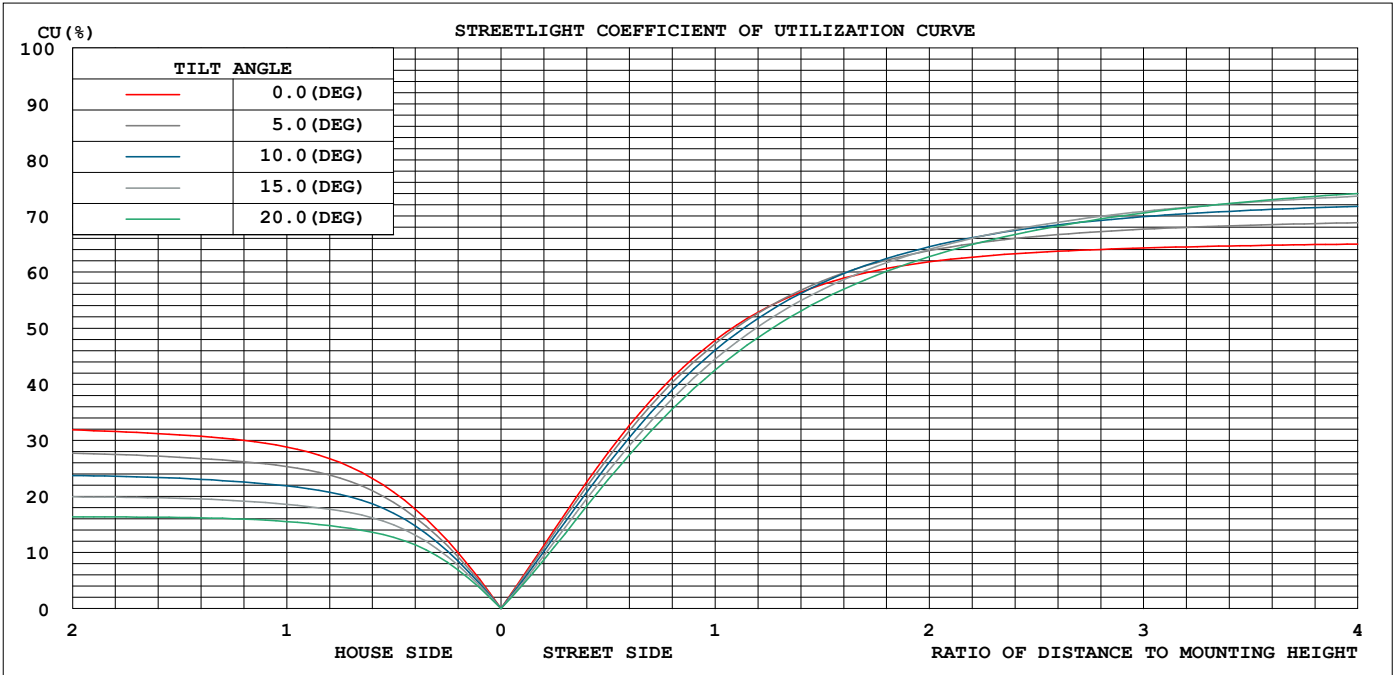
IES:Type III - Short  
 CIE:Average - Intermediate  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:91.18cd/klm  
 Max.At90:13.87cd/klm  
 Max.80-90:91.18cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	1161
— 90%	1045
— 80%	929
— 70%	813
— 60%	697
— 50%	581
— 40%	465
— 30%	348
— 20%	232
— 10%	116
— 5%	58

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2022-12-10

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
Humidity: 65.0%  
Test Distance: 8.884m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

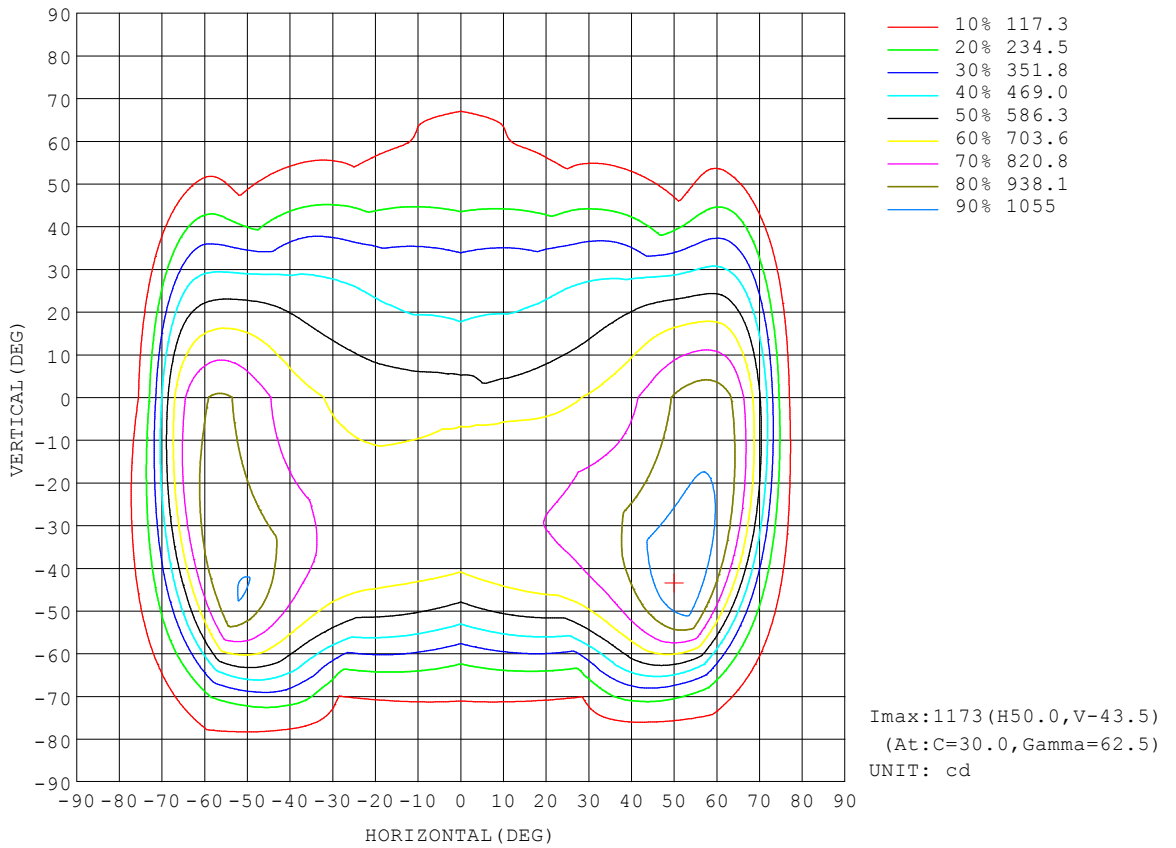
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	643.0	702.6	727.3	699.2	639.7	569.0	535.6	573.3	0- 10	60.73	60.73	2.37,2.37
20	661.5	758.0	785.3	747.9	648.3	515.4	449.6	524.8	10- 20	180.3	241.1	9.39,9.39
30	701.9	801.5	788.0	779.6	681.4	475.8	381.7	486.4	20- 30	294.6	535.7	20.9,20.9
40	786.7	835.5	712.1	804.2	753.6	427.0	276.4	431.5	30- 40	398.4	934.1	36.4,36.4
50	933.9	850.7	541.9	816.3	885.0	312.4	155.8	304.5	40- 50	473.6	1408	54.8,54.8
60	979.6	798.8	289.9	768.5	912.9	151.8	129.2	144.0	50- 60	494.8	1902	74.1,74.1
70	588.2	547.5	123.4	557.9	463.9	67.58	84.86	68.92	60- 70	419.1	2322	90.4,90.4
80	67.80	116.8	66.34	152.9	57.35	20.15	3.287	22.52	70- 80	180.0	2501	97.5,97.5
90	18.91	29.51	0.1207	32.18	9.557	5.784	0.2544	10.08	80- 90	38.57	2540	99,99
100	15.78	11.36	5.415	7.972	7.640	3.847	0.3546	6.828	90-100	10.85	2551	99.4,99.4
110	11.51	6.684	3.367	4.466	5.574	2.664	0.6826	4.365	100-110	6.411	2557	99.6,99.6
120	7.983	3.089	1.789	1.994	3.626	2.140	1.149	2.885	110-120	3.819	2561	99.8,99.8
130	3.065	0.8264	0.5665	0.9343	1.848	1.905	1.609	2.021	120-130	1.901	2563	99.9,99.9
140	1.764	1.066	0.8313	1.127	1.679	1.967	1.932	2.080	130-140	1.169	2564	99.9,99.9
150	1.691	1.266	1.069	1.303	1.638	1.933	2.043	2.055	140-150	1.002	2565	99.9,99.9
160	1.675	1.442	1.361	1.520	1.649	1.903	2.102	2.010	150-160	0.7730	2566	100,100
170	1.675	1.628	1.631	1.704	1.701	1.805	2.028	1.946	160-170	0.4929	2566	100,100
180	1.753	1.748	1.821	1.815	1.753	1.755	1.858	1.855	170-180	0.1692	2567	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

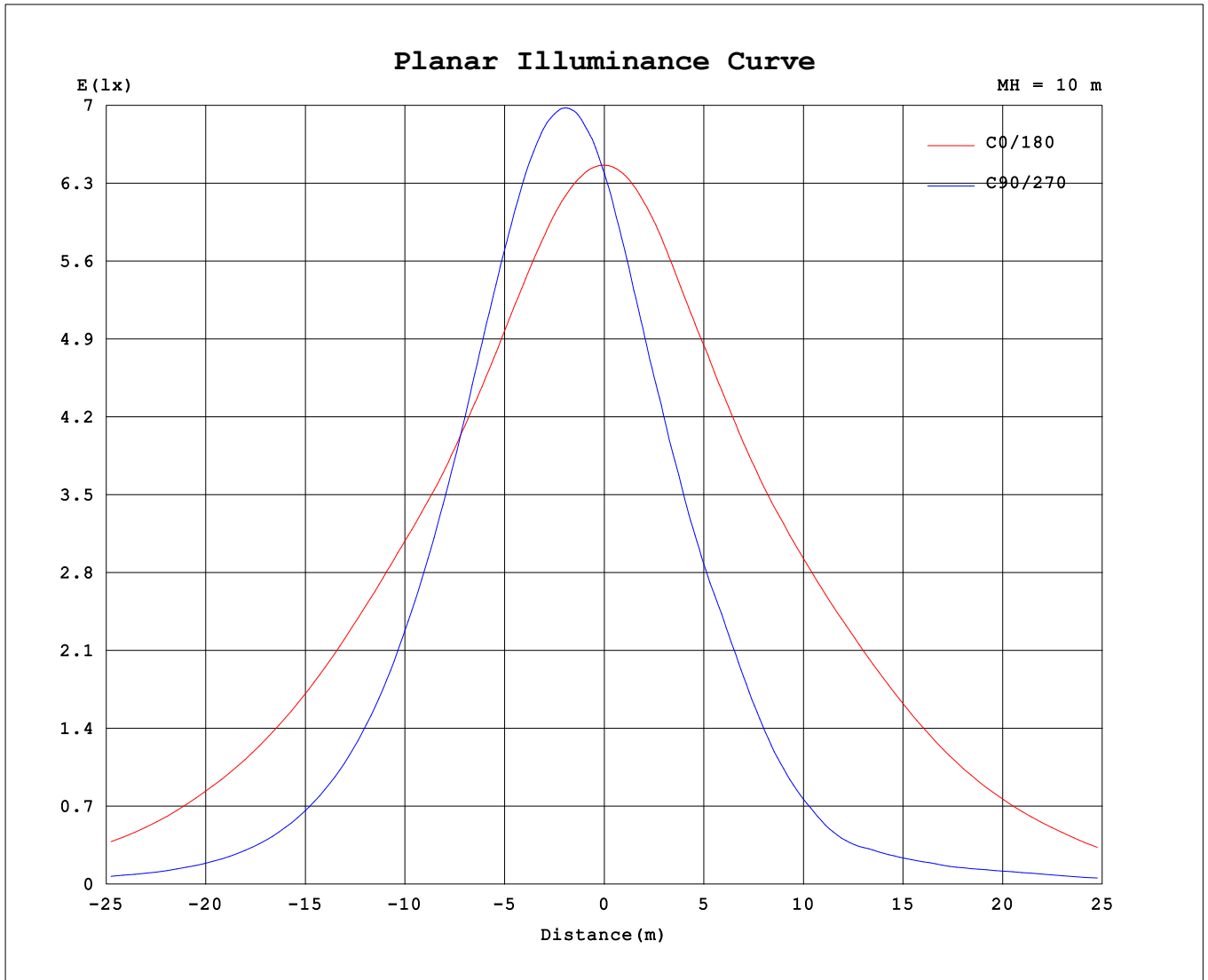
Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



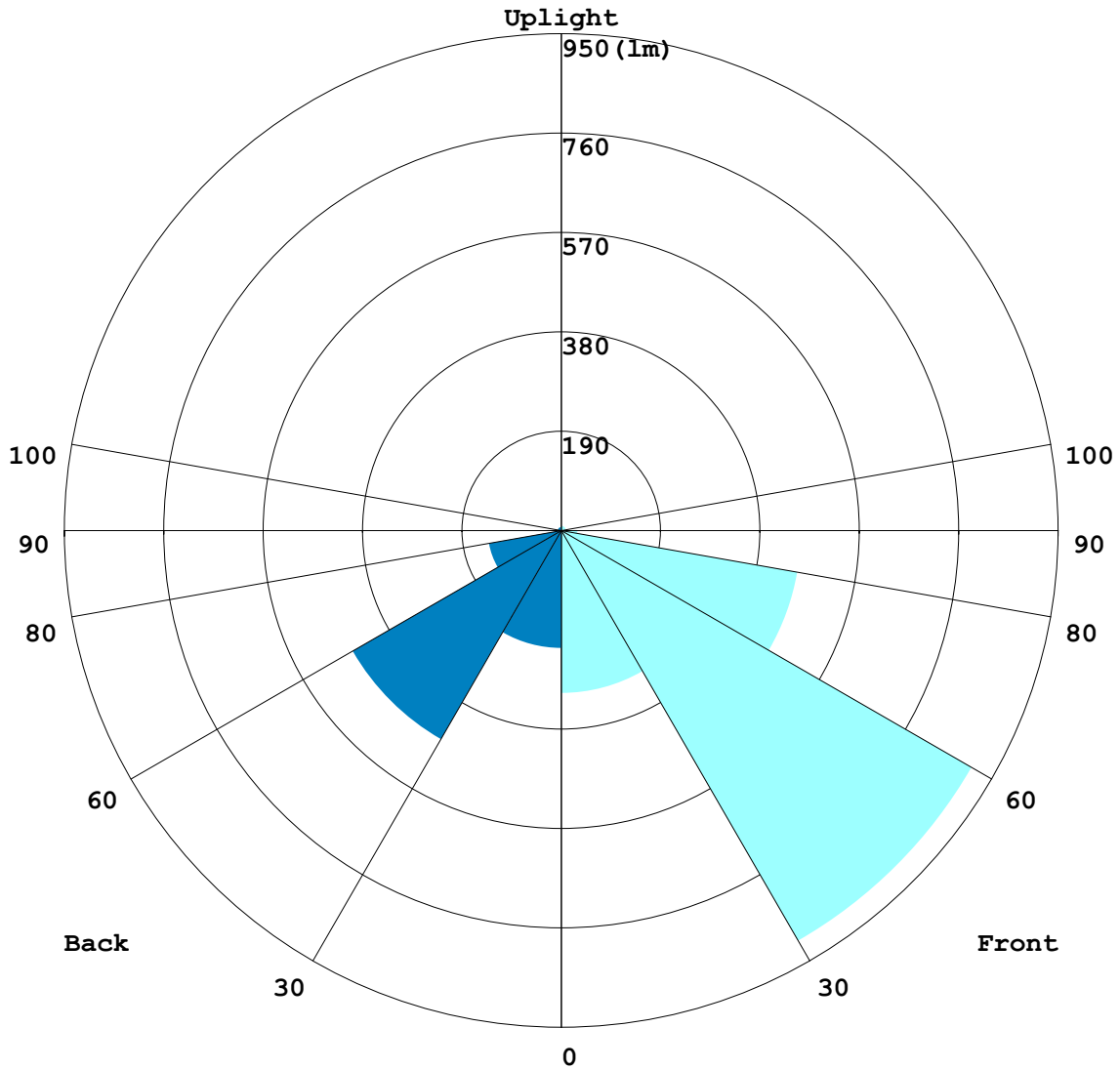
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity: 65.0%  
 Test Distance: 8.884m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz		
Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	310.92	12.1
FM - Front-Medium(30-60)	906.04	35.3
FH - Front-High(60-80)	458.38	17.9
FVH - Front-Very High(80-90)	31.253	1.2
Total Forward Light	1723.3	67.1

BL - Back-Low(0-30)	224.76	8.8
BM - Back-Medium(30-60)	460.7	17.9
BH - Back-High(60-80)	140.7	5.5
BVH - Back-Very High(80-90)	7.3198	0.3
Total Back Light	843.4	32.9

UL - Uplight-Low(90-100)	10.846	0.4
UH - Uplight-High(100-180)	15.737	0.6
Total Up Light	26.583	1.0

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	833.48	9.9172	843.4
Street Side	1706.6	16.666	1723.3

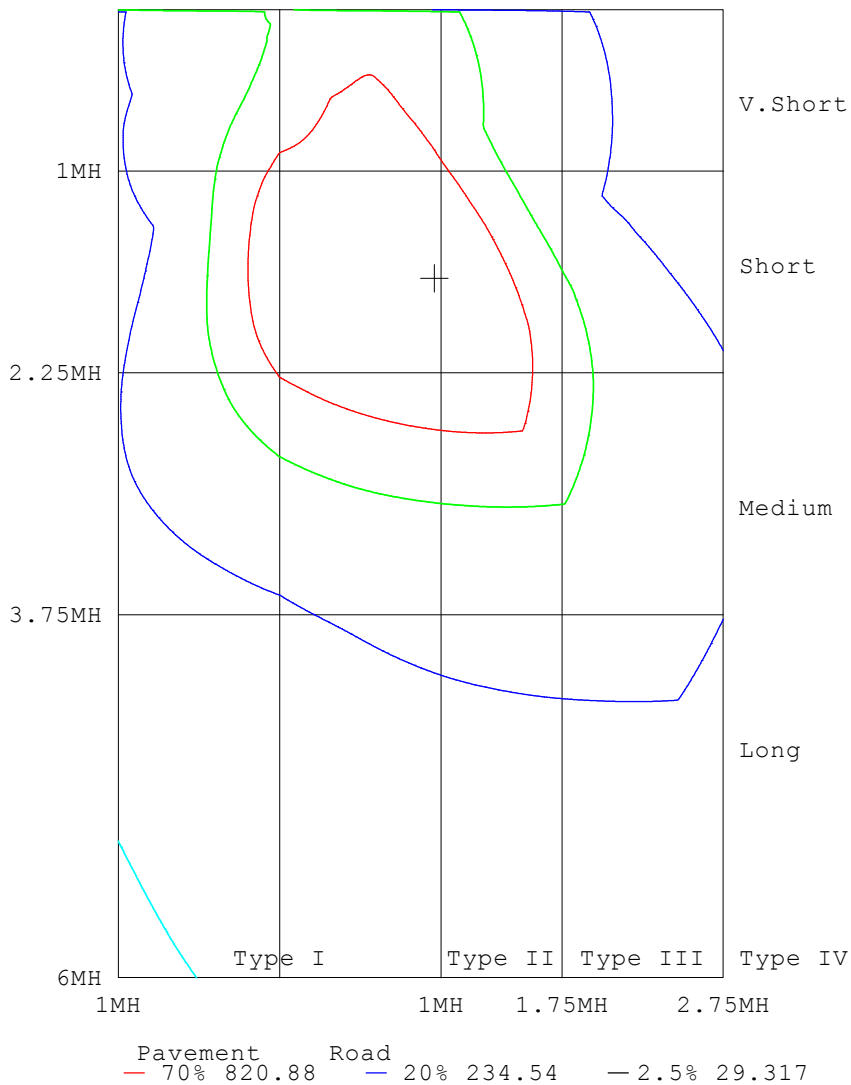
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

**ROAD ISOCANDELA REPORT**

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.2000V I:4.8000A P:15.300W PF:1.0000 Freq:0Hz Lamp Flux:2566.65x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 1.1
SPEC.: SL-CLX-0040	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	637	637	637	637	637	637	637	637	637	637	637	637							
5	638	662	678	684	677	660	637	612	592	585	593	614							
10	643	688	717	727	714	684	640	589	549	536	552	595							
15	651	715	749	762	745	706	644	569	510	491	516	574							
20	661	739	777	785	771	724	648	554	477	450	484	568							
25	679	764	797	794	787	742	660	545	444	412	450	563							
30	702	796	807	788	793	765	681	539	412	382	417	558							
35	738	836	808	760	783	800	711	531	385	338	384	554							
40	787	875	796	712	772	838	754	518	336	276	327	540							
45	859	924	765	642	744	883	815	489	266	216	255	502							
50	934	996	705	542	692	945	885	424	200	156	190	423							
55	983	1079	595	420	597	1016	934	313	137	141	131	301							
60	980	1148	450	290	464	1085	913	199	105	129	105	185							
65	867	1139	277	183	289	1103	790	117	82.5	132	83.3	113							
70	588	937	157	123	163	968	464	78.2	57.0	84.9	58.1	80.2							
75	205	505	98.4	92.2	101	604	130	52.5	33.4	29.2	35.4	49.4							
80	67.8	163	70.7	66.3	74.8	234	57.4	28.6	11.7	3.29	15.4	29.9							
85	35.7	81.9	49.0	0.23	51.6	104	24.9	14.9	5.58	1.41	9.04	19.1							
90	18.9	30.2	28.8	0.12	28.9	35.6	9.56	7.94	3.62	0.25	6.46	13.8							
95	16.9	15.7	14.4	2.55	13.4	11.0	8.52	6.82	2.74	0.23	4.93	12.3							
100	15.8	13.5	9.20	5.42	7.74	8.21	7.64	5.68	2.02	0.35	3.74	10.04							
105	13.3	10.7	7.00	4.47	5.90	6.39	6.50	4.87	1.43	0.51	2.38	8.66							
110	11.5	8.29	5.08	3.37	4.29	4.65	5.57	4.25	1.07	0.68	1.06	7.79							
115	10.1	6.60	3.03	2.47	2.80	3.32	4.60	3.52	1.24	0.91	1.23	6.24							
120	7.98	4.67	1.51	1.79	1.58	2.42	3.63	2.84	1.44	1.15	1.47	4.36							
125	5.59	2.76	0.53	1.10	0.63	1.76	2.72	2.13	1.63	1.39	1.69	2.34							
130	3.06	1.08	0.57	0.57	0.63	1.25	1.85	2.03	1.79	1.61	1.88	2.17							
135	1.78	1.19	0.74	0.69	0.74	1.31	1.73	1.98	1.89	1.76	1.99	2.13							
140	1.76	1.28	0.85	0.83	0.89	1.37	1.68	1.94	1.99	1.93	2.07	2.09							
145	1.73	1.36	0.98	0.95	1.01	1.42	1.66	1.90	2.00	2.02	2.11	2.05							
150	1.69	1.42	1.11	1.07	1.12	1.50	1.64	1.86	2.00	2.04	2.09	2.02							
155	1.67	1.48	1.23	1.21	1.26	1.58	1.64	1.84	2.00	2.10	2.08	2.01							
160	1.67	1.55	1.34	1.36	1.40	1.65	1.65	1.83	1.98	2.10	2.04	1.98							
165	1.67	1.62	1.50	1.51	1.54	1.71	1.66	1.78	1.92	2.08	2.02	1.93							
170	1.67	1.66	1.59	1.63	1.63	1.78	1.70	1.76	1.85	2.03	1.99	1.90							
175	1.71	1.70	1.67	1.71	1.70	1.80	1.74	1.75	1.79	1.93	1.93	1.86							
180	1.75	1.75	1.74	1.82	1.80	1.83	1.75	1.75	1.76	1.86	1.88	1.83							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-12-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.884m [K=1.0000]  
 Remarks: