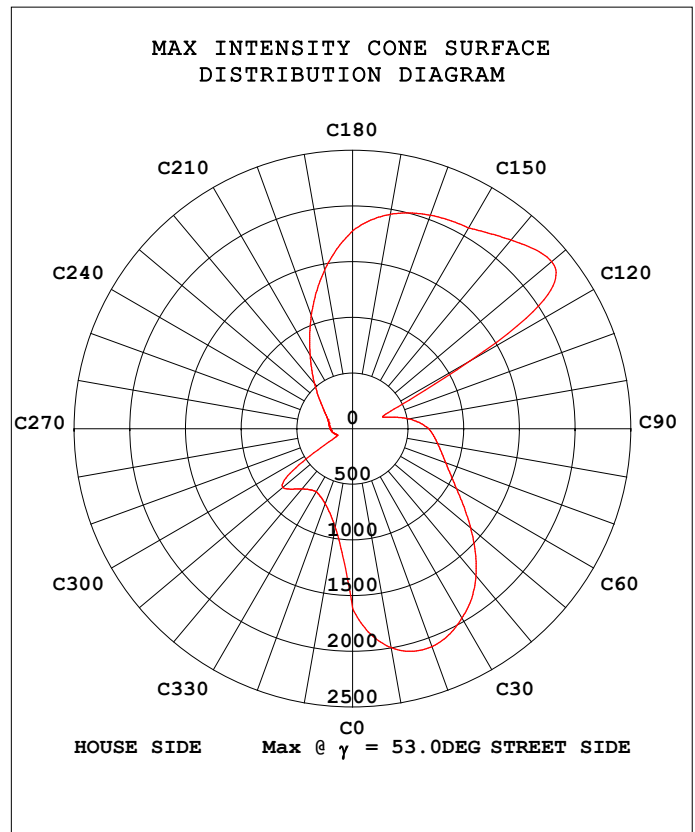
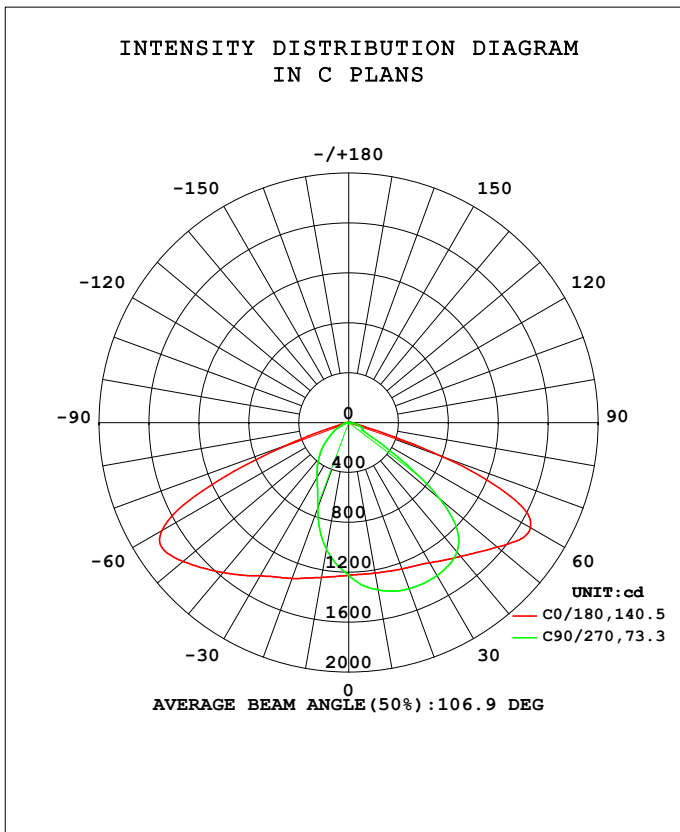


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:3.2000V I:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL-CLX-0060	I _{max} (cd)	2083	η street_up (%)	0.1
NOMINAL POWER (W)	25	LOR (%)	100.0	η street_down (%)	62.3
RATED VOLTAGE (V)	3.2	TOTAL FLUX (lm)	4139	η house_up (%)	0.2
NOMINAL FLUX (lm)	4139.4	MAXIMUM @ (C, γ)	150,53.0	η house_down (%)	37.4
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	3.2	η down (%)	99.7	SLI	16.583

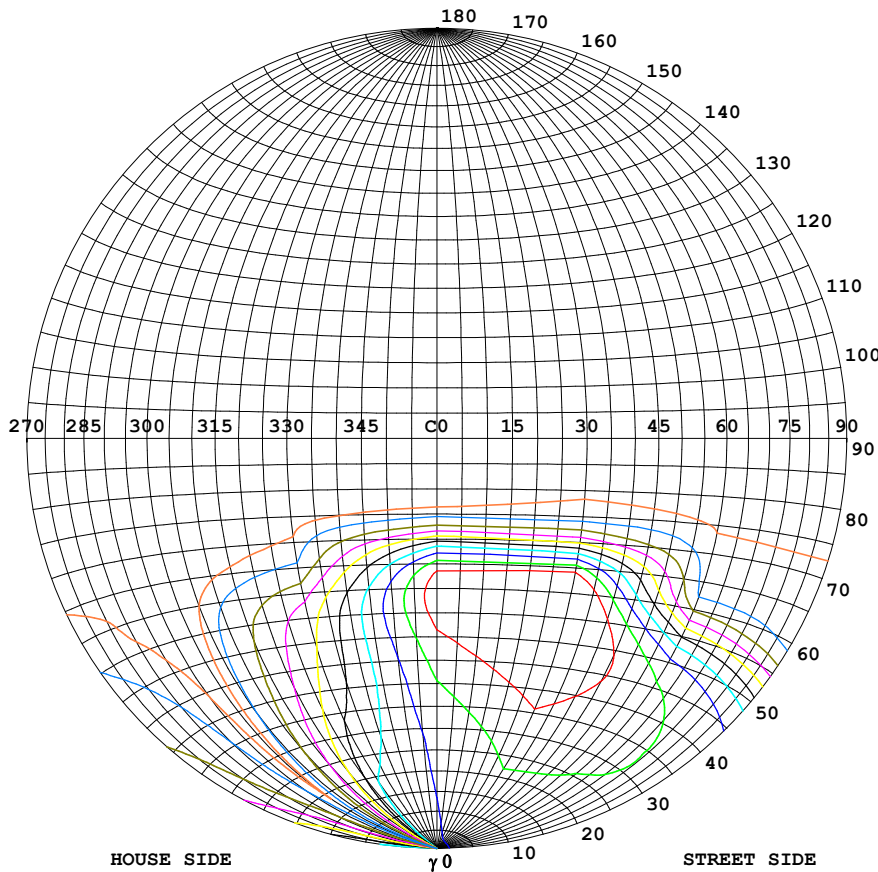


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2022-12-10

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:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

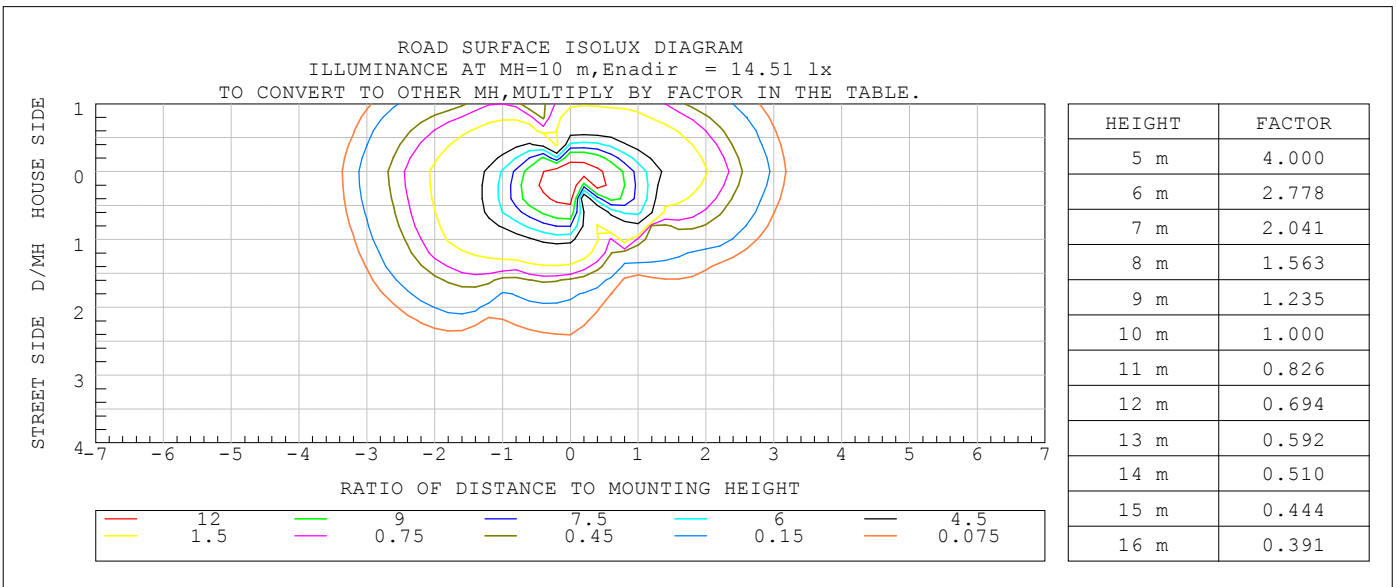
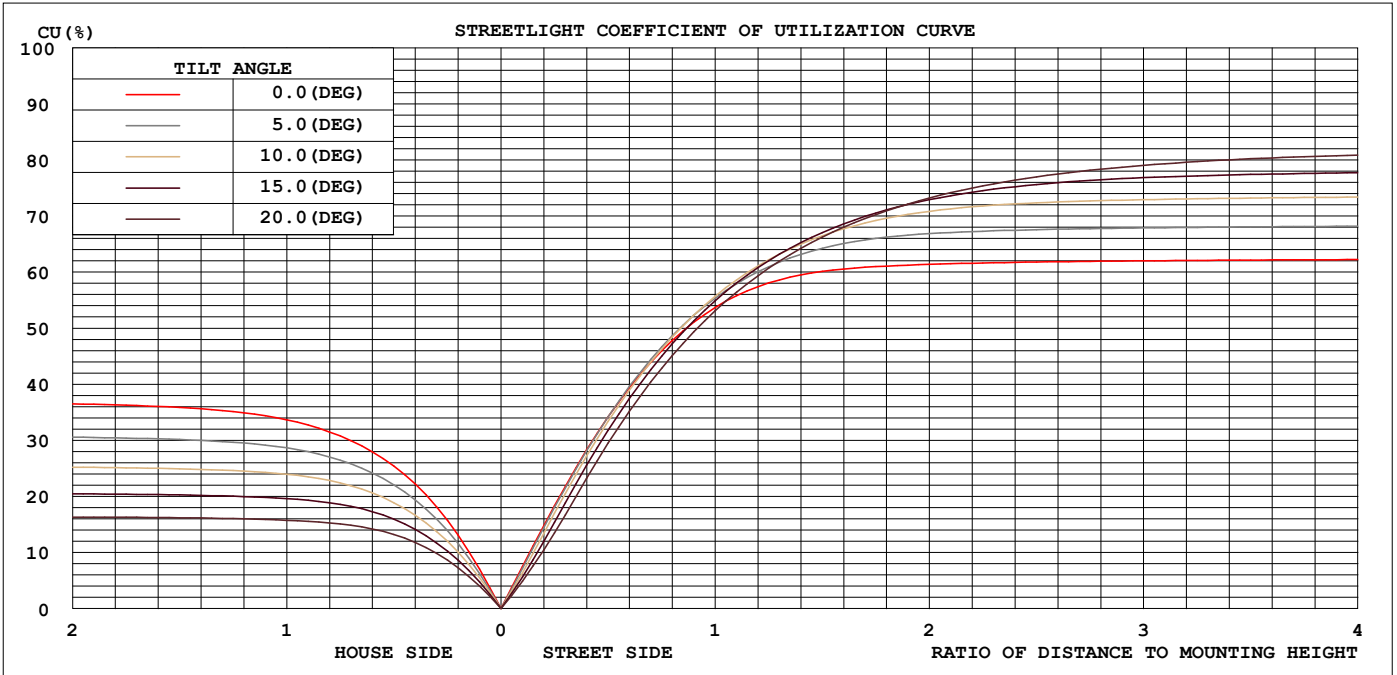
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:17.75cd/klm
 Max.At90:5.299cd/klm
 Max.80-90:17.75cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2083
— 90%	1875
— 80%	1666
— 70%	1458
— 60%	1250
— 50%	1042
— 40%	833
— 30%	625
— 20%	417
— 10%	208
— 5%	104

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:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

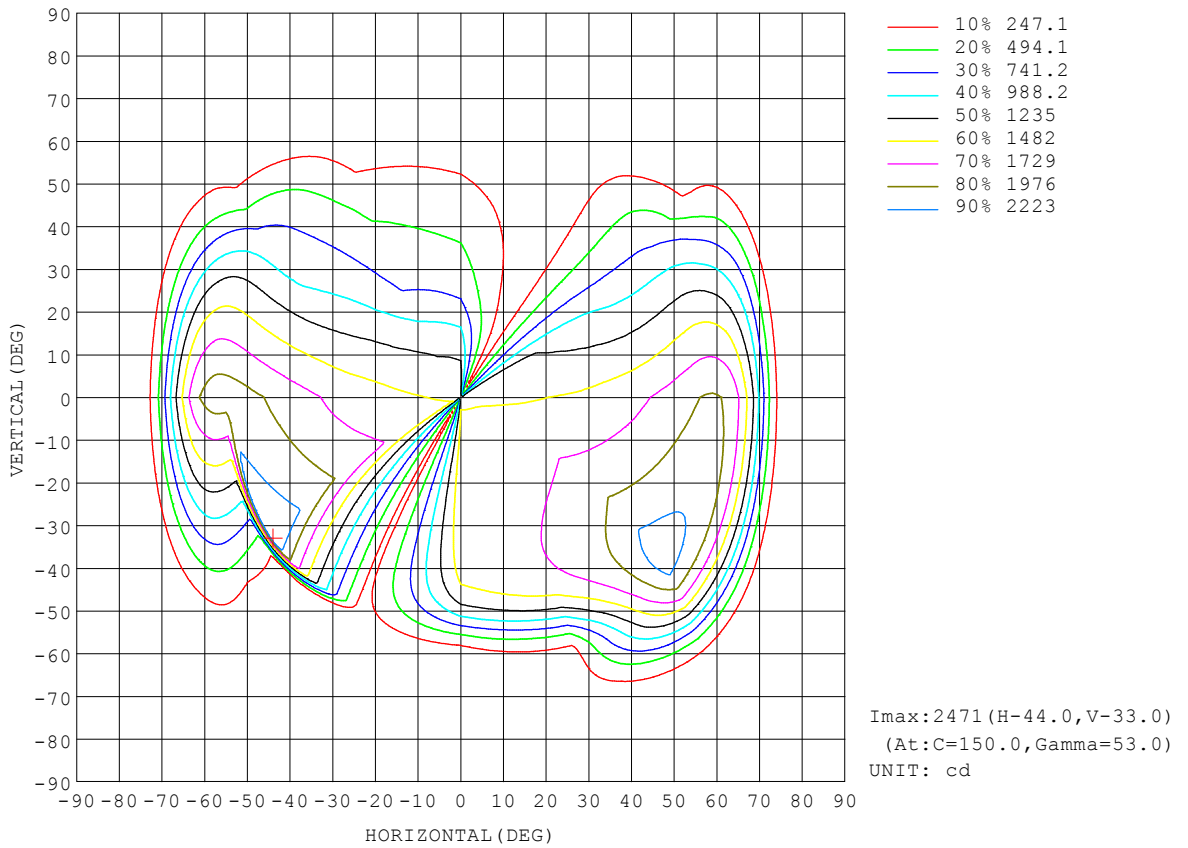
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1225	1328	1361	1333	1260	1120	1032	1132	0- 10	117.0	117.0	2.83,2.83
20	1249	1405	1416	1444	1329	976.1	727.0	1017	10- 20	343.2	460.2	11.1,11.1
30	1298	1478	1415	1574	1418	809.1	507.7	884.5	20- 30	545.4	1006	24.3,24.3
40	1398	1572	1351	1745	1568	687.9	374.3	751.7	30- 40	735.7	1741	42.1,42.1
50	1554	1591	957.0	1947	1733	571.7	242.0	654.6	40- 50	905.0	2646	63.9,63.9
60	1682	1131	137.4	236.5	1727	361.9	137.5	421.1	50- 60	838.2	3485	84.2,84.2
70	803.6	396.0	107.9	109.9	521.5	100.3	62.76	95.57	60- 70	511.1	3996	96.5,96.5
80	48.11	67.78	35.52	14.88	43.53	29.65	17.35	27.09	70- 80	111.1	4107	99.2,99.2
90	14.08	9.961	0.1282	4.133	9.504	4.812	0.2198	8.328	80- 90	19.22	4126	99.7,99.7
100	5.301	2.184	1.696	0.6398	3.835	1.329	0.2744	1.785	90-100	4.373	4130	99.8,99.8
110	1.886	0.3950	0.2746	0.1335	2.457	1.898	0.8183	2.574	100-110	1.376	4132	99.8,99.8
120	2.618	0.9193	0.4669	0.6598	3.031	2.698	1.652	3.485	110-120	1.587	4133	99.9,99.9
130	2.990	0.5446	0.7596	0.9916	3.129	3.240	2.658	3.856	120-130	1.819	4135	99.9,99.9
140	3.147	0.7559	0.1251	1.354	0.2959	3.521	3.386	3.781	130-140	1.587	4137	99.9,99.9
150	3.143	0.9888	0.1720	1.774	0.2959	1.812	3.638	3.599	140-150	1.147	4138	100,100
160	3.057	1.242	0.2301	2.300	0.3004	1.744	3.734	3.454	150-160	0.8710	4139	100,100
170	3.039	1.488	0.2974	2.780	0.3183	1.707	3.592	0.6364	160-170	0.4764	4139	100,100
180	3.080	1.691	0.3386	3.206	3.174	1.685	3.244	0.6234	170-180	0.1640	4139	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

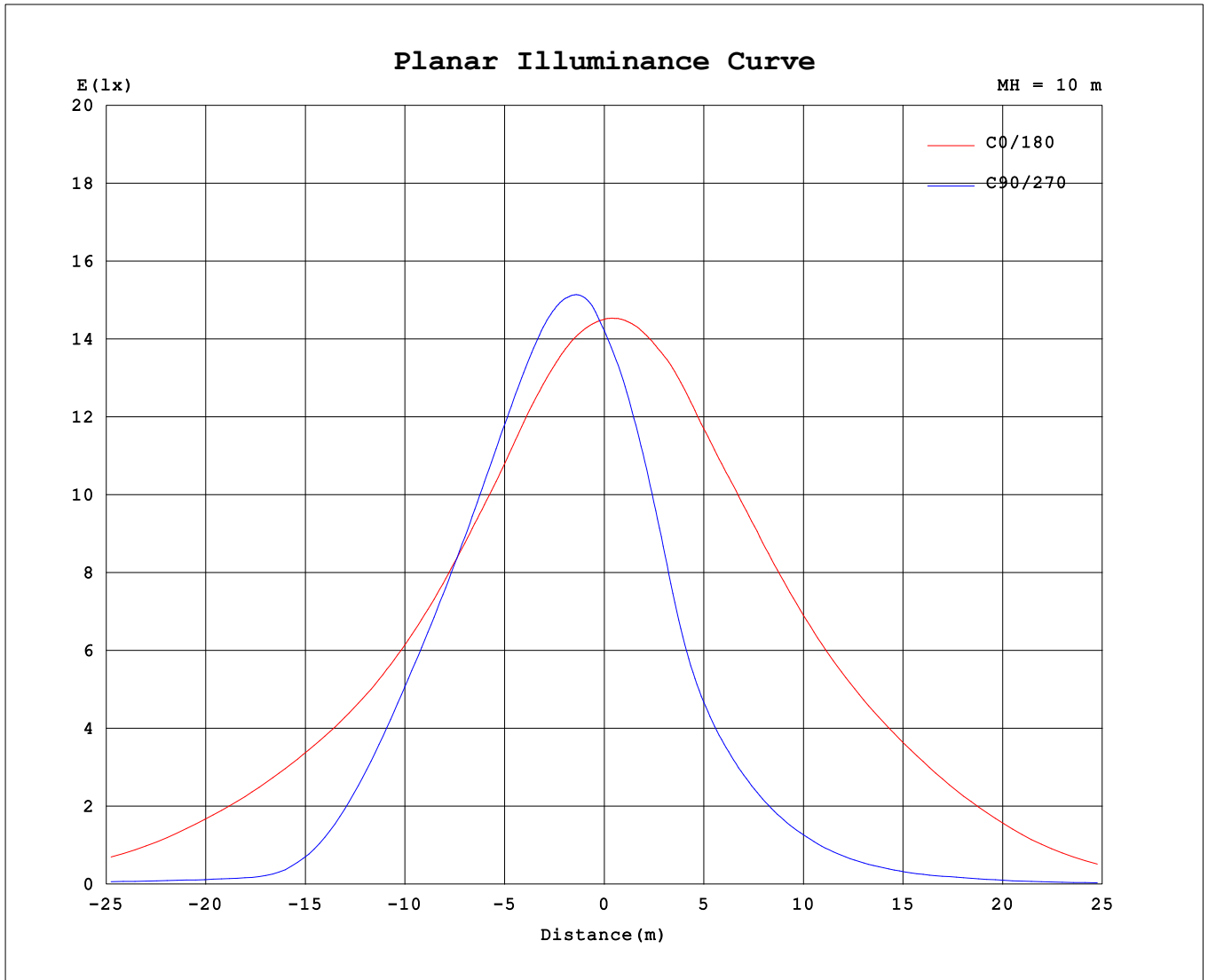
Test:U:3.2000V I:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



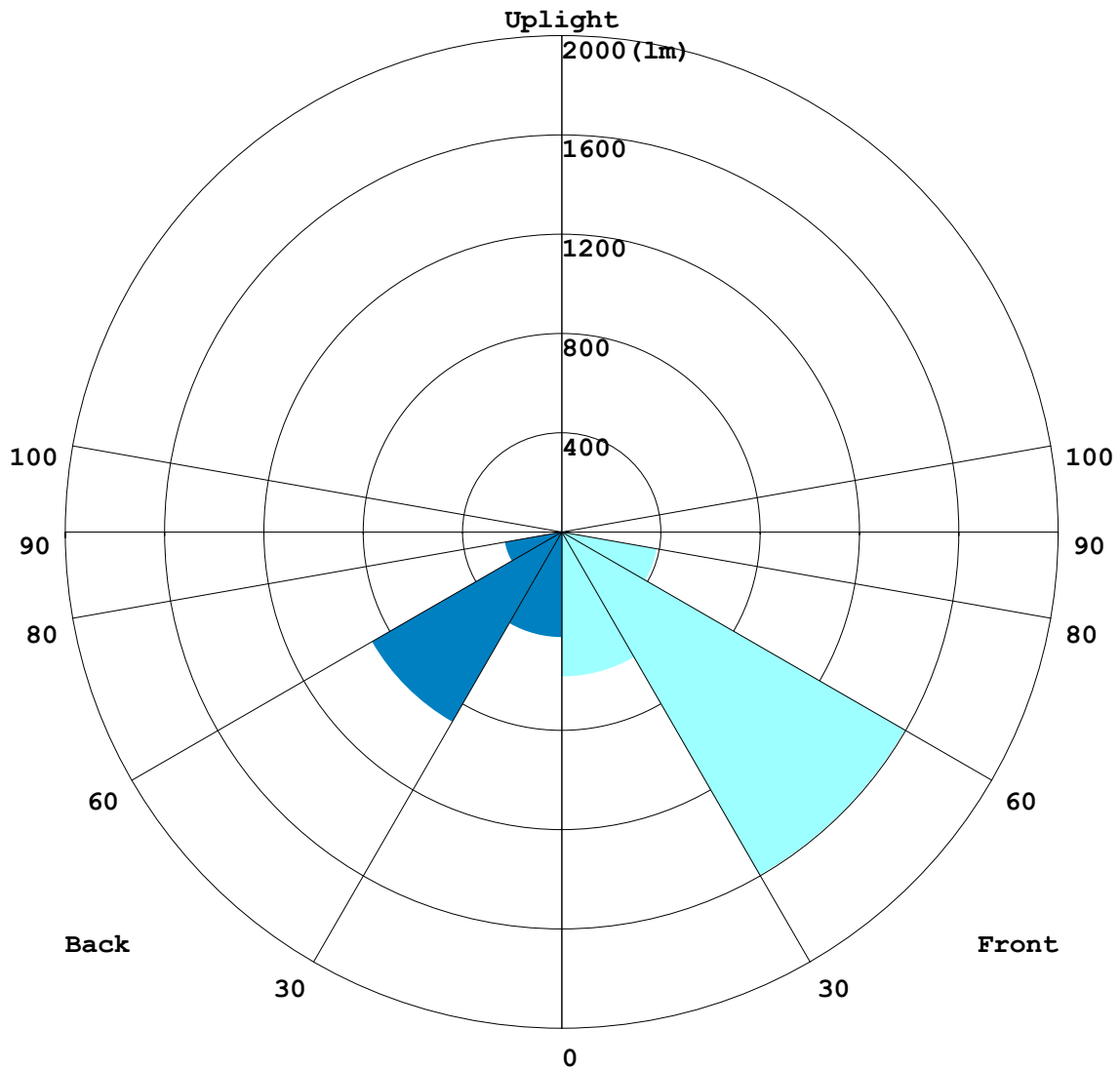
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2022-12-10

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:7.8000A P:25.000W PF:1.0000 Freq:0Hz		
Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	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:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	581.84	14.1
FM - Front-Medium(30-60)	1595.9	38.6
FH - Front-High(60-80)	389.2	9.4
FVH - Front-Very High(80-90)	11.565	0.3
Total Forward Light	2584	62.4

BL - Back-Low(0-30)	423.83	10.2
BM - Back-Medium(30-60)	882.97	21.3
BH - Back-High(60-80)	233	5.6
BVH - Back-Very High(80-90)	7.6561	0.2
Total Back Light	1555.4	37.6

UL - Uplight-Low(90-100)	4.3732	0.1
UH - Uplight-High(100-180)	9.0273	0.2
Total Up Light	13.401	0.3

BUG(Back,Up,Glare) Rating	B1-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1547.5	7.94	1555.4
Street Side	2578.5	5.4605	2584

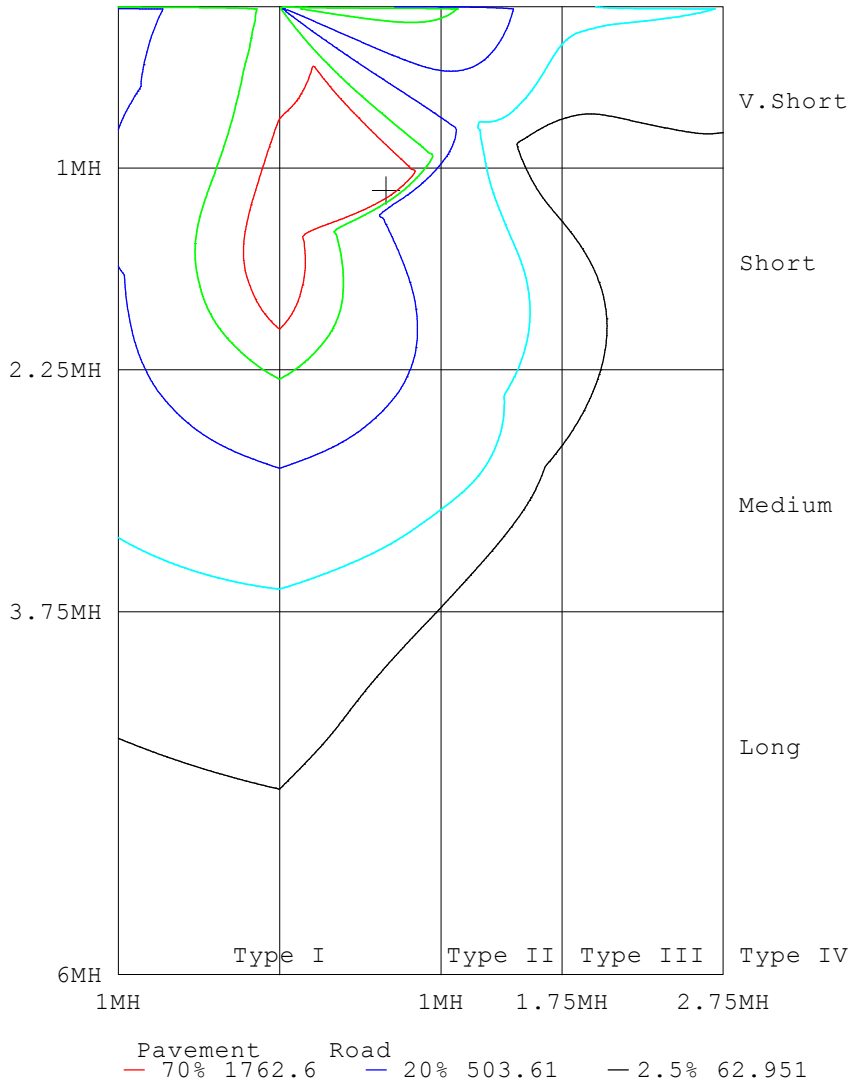
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-10

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:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	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:7.8000A P:25.000W PF:1.0000 Freq:0Hz Lamp Flux:4139.4x1 lm		
NAME: Sunflower Solar Street Light	TYPE:	WEIGHT: 2.36
SPEC.: SL-CLX-0060	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	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224	1224							
5	1220	1268	1295	1308	1301	1278	1238	1191	1155	1138	1148	1180							
10	1225	1312	1343	1361	1354	1330	1260	1163	1076	1032	1060	1140							
15	1234	1354	1382	1399	1399	1381	1289	1131	980	896	953	1089							
20	1249	1400	1410	1416	1437	1444	1329	1098	853	727	815	1038							
25	1267	1452	1426	1421	1462	1512	1366	1062	711	594	668	981							
30	1298	1512	1443	1415	1485	1583	1418	1010	607	508	565	917							
35	1344	1584	1462	1396	1509	1667	1492	952	539	440	505	848							
40	1398	1668	1475	1351	1533	1767	1568	890	485	374	459	782							
45	1468	1770	1448	1236	1528	1875	1649	837	428	310	407	731							
50	1554	1892	1288	957	1404	2003	1733	792	350	242	330	688							
55	1650	1995	879	482	1025	213	1797	733	244	181	228	620							
60	1682	1925	333	137	457	214	1727	570	153	137	137	450							
65	1472	1493	124	118	134	184	1288	284	103	84.3	93.2	210							
70	804	690	99.9	108	108	110	522	124	76.5	62.8	68.98	98.3							
75	141	137	85.3	74.4	93.2	27.0	93.1	74.5	55.7	46.1	49.66	55.7							
80	48.1	73.5	62.1	35.5	72.69	8.97	43.5	33.1	26.2	17.3	22.23	27.6							
85	26.7	38.8	3.89	0.21	46.69	5.07	22.9	15.9	8.40	0.81	7.84	14.7							
90	14.1	18.0	1.87	0.13	21.94	2.31	9.50	7.01	2.60	0.22	3.09	8.86							
95	9.57	9.37	0.66	1.00	7.03	0.78	6.43	4.50	0.62	0.20	0.65	4.99							
100	5.30	4.15	0.21	1.70	2.97	0.40	3.83	2.05	0.60	0.27	0.74	1.89							
105	1.35	0.55	0.09	0.93	1.09	0.08	2.01	2.06	0.91	0.48	1.00	2.21							
110	1.89	0.74	0.05	0.27	0.48	0.10	2.46	2.45	1.34	0.82	1.48	2.69							
115	2.30	1.01	0.44	0.36	0.48	0.12	2.80	2.83	1.80	1.21	2.14	3.18							
120	2.62	1.29	0.55	0.47	5.58	0.16	3.03	3.16	2.23	1.65	2.40	3.60							
125	2.83	0.17	0.71	0.60	7.37	0.17	3.14	3.33	2.68	2.14	2.97	3.85							
130	2.99	0.20	0.89	0.76	8.81	0.19	3.13	3.38	3.10	2.66	3.32	3.91							
135	3.08	0.22	1.07	0.14	10.81	0.21	0.30	3.40	3.44	3.10	3.49	3.90							
140	3.15	0.24	1.27	0.13	12.43	0.22	0.30	3.41	3.64	3.39	3.49	3.81							
145	3.19	0.24	1.47	0.14	14.35	0.24	0.30	3.35	0.35	3.56	3.49	3.71							
150	3.14	0.27	1.72	0.17	16.66	0.25	0.30	3.27	0.35	3.64	3.49	3.61							
155	3.09	0.29	1.94	0.20	19.28	0.27	0.30	3.22	0.35	3.71	3.49	3.53							
160	3.06	0.29	2.19	0.23	22.03	0.28	0.30	3.13	0.35	3.73	3.52	3.45							
165	3.04	0.30	2.45	0.27	24.56	0.29	0.30	3.09	0.35	3.68	3.50	0.35							
170	3.04	0.31	2.67	0.30	26.96	0.31	0.32	3.06	0.35	3.59	3.43	0.35							
175	3.04	0.32	2.83	0.31	28.45	0.33	0.33	3.06	0.32	3.39	3.35	0.35							
180	3.08	0.33	3.06	0.34	31.20	0.34	3.17	3.05	0.31	3.24	3.40	0.34							

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
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