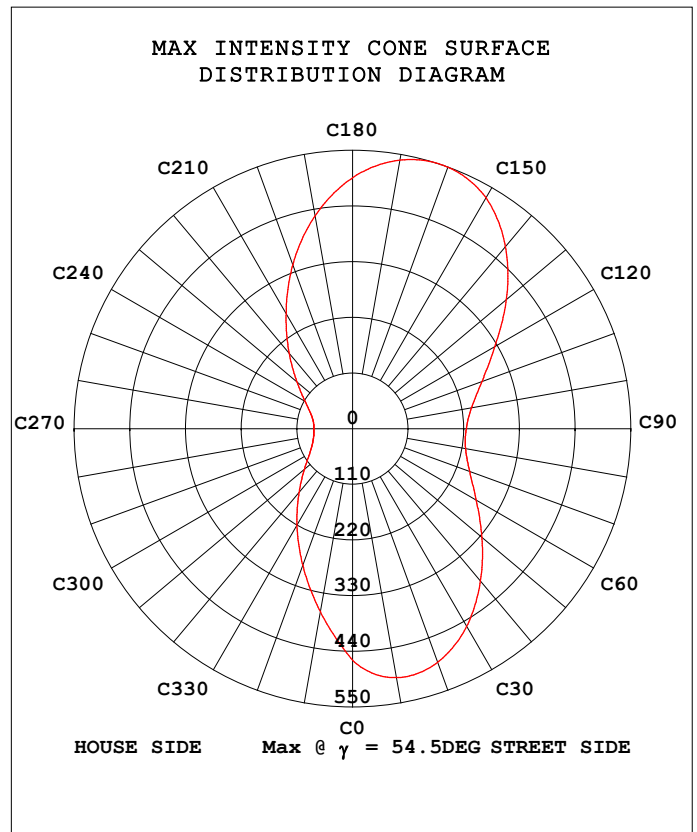
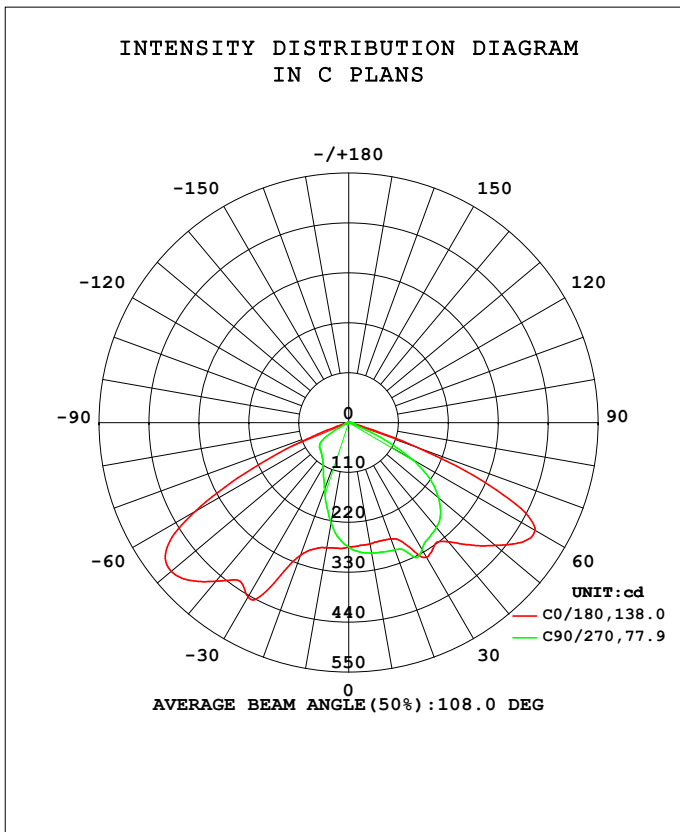


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:3.2000V I:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL-CLX-0020	Imax (cd)	527.3	η street_up (%)	0.2
NOMINAL POWER (W)	7.3	LOR (%)	100.0	η street_down (%)	63.1
RATED VOLTAGE (V)	3.2	TOTAL FLUX (lm)	1073	η house_up (%)	0.2
NOMINAL FLUX (lm)	1072.52	MAXIMUM @ (C, γ)	150,54.5	η house_down (%)	36.5
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	3.2	η down (%)	99.6	SLI	13.791

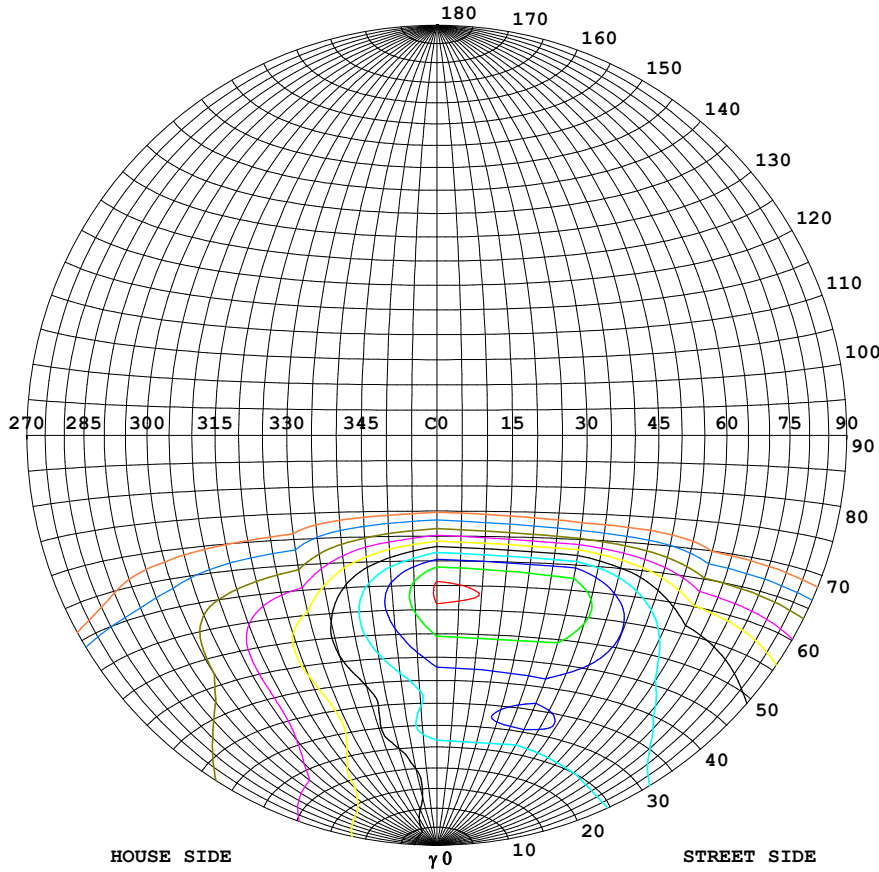


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2022-12-10

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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

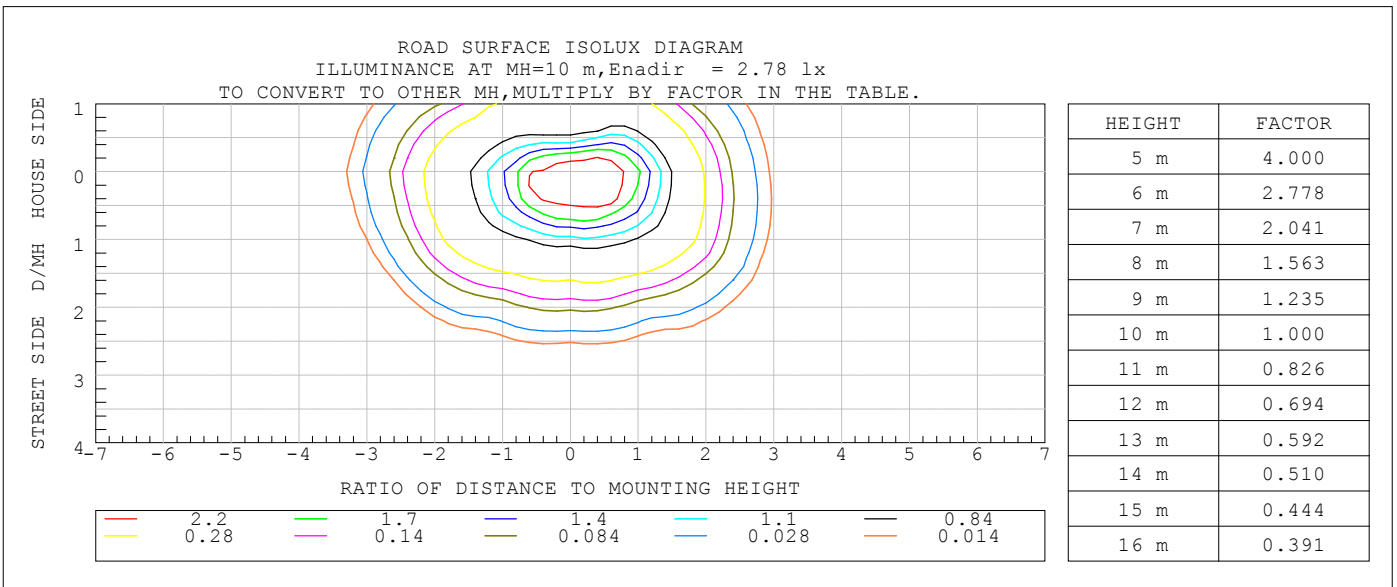
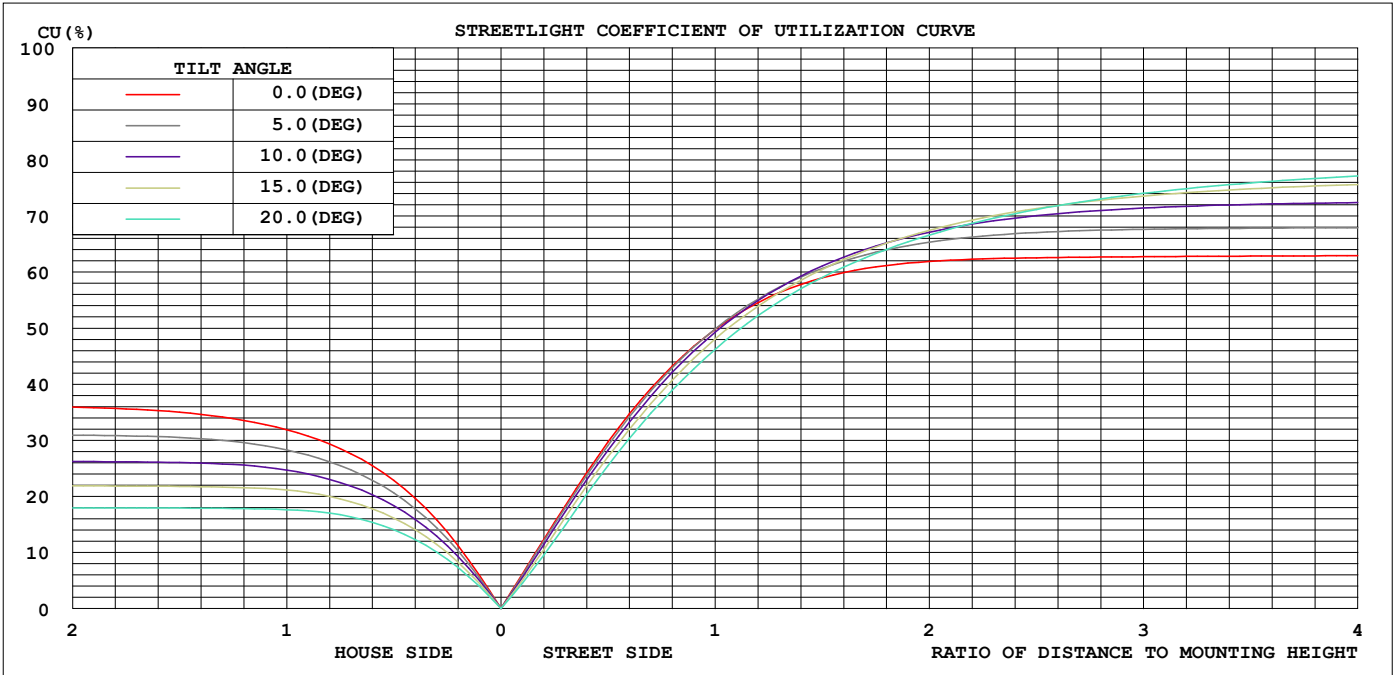
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:12.50cd/klm
 Max.At90:3.521cd/klm
 Max.80-90:12.50cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	527
90%	475
80%	422
70%	369
60%	316
50%	264
40%	211
30%	158
20%	105
10%	53
5%	26

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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

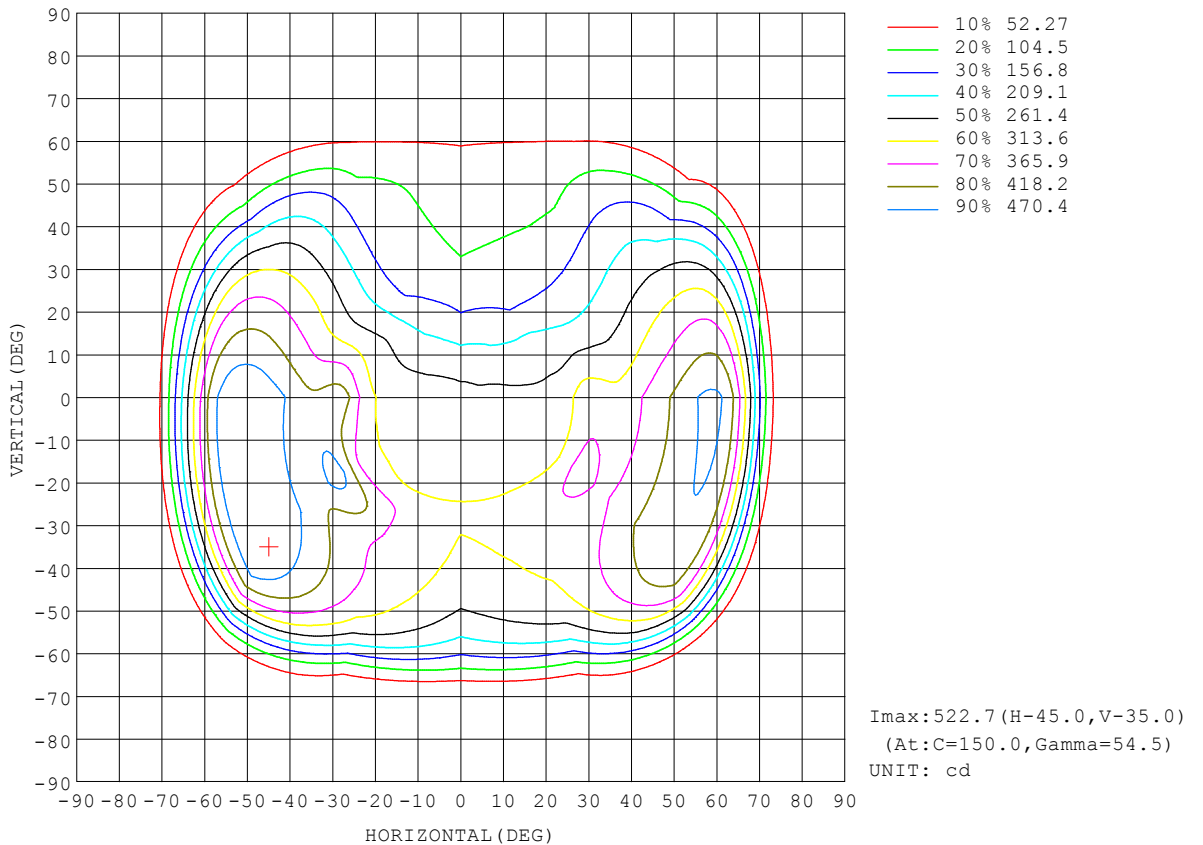
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	271.5	286.5	291.7	292.8	280.0	251.7	224.3	243.8	0- 10	25.94	25.94	2.42,2.42
20	272.9	294.4	298.4	305.9	311.2	234.3	156.1	208.4	10- 20	74.28	100.2	9.34,9.34
30	342.7	345.6	323.5	390.3	443.8	210.9	113.6	175.4	20- 30	126.4	226.6	21.1,21.1
40	342.9	340.6	301.3	398.1	456.1	219.8	92.70	169.2	30- 40	182.0	408.6	38.1,38.1
50	421.1	365.4	258.7	430.7	510.5	211.2	84.35	171.1	40- 50	230.3	638.9	59.6,59.6
60	474.2	332.1	160.8	364.2	389.7	124.8	40.31	121.3	50- 60	256.5	895.4	83.5,83.5
70	162.1	69.16	16.80	73.70	61.00	22.68	6.813	25.89	60- 70	149.5	1045	97.4,97.4
80	8.008	11.38	9.160	12.77	5.885	3.116	0.6928	2.906	70- 80	18.82	1064	99.2,99.2
90	1.973	3.031	0.0320	3.305	0.8818	0.7470	0.0534	0.9618	80- 90	4.178	1068	99.6,99.6
100	1.223	1.012	0.5806	0.9861	0.8974	0.6027	0.0958	0.7017	90-100	1.085	1069	99.7,99.7
110	0.8607	0.4621	0.3037	0.4985	0.8818	0.5928	0.2503	0.6761	100-110	0.6914	1070	99.7,99.7
120	0.9942	0.4298	0.2503	0.4387	0.9193	0.7083	0.4848	0.8440	110-120	0.5876	1070	99.8,99.8
130	0.9606	0.4618	0.2611	0.4601	0.8128	0.7887	0.7511	0.9911	120-130	0.5850	1071	99.8,99.8
140	0.9304	0.5575	0.3250	0.4814	0.7243	0.8301	0.8364	1.010	130-140	0.5406	1071	99.9,99.9
150	0.9184	0.6073	0.4209	0.5524	0.6876	0.8150	0.8511	0.9701	140-150	0.4540	1072	99.9,99.9
160	0.8455	0.6374	0.5487	0.6287	0.6876	0.7934	0.8815	0.9299	150-160	0.3413	1072	100,100
170	0.8030	0.7037	0.6819	0.7020	0.7117	0.7592	0.8531	0.8400	160-170	0.2126	1072	100,100
180	0.7610	0.7513	0.7618	0.7590	0.7400	0.7540	0.7778	0.7590	170-180	0.0720	1073	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

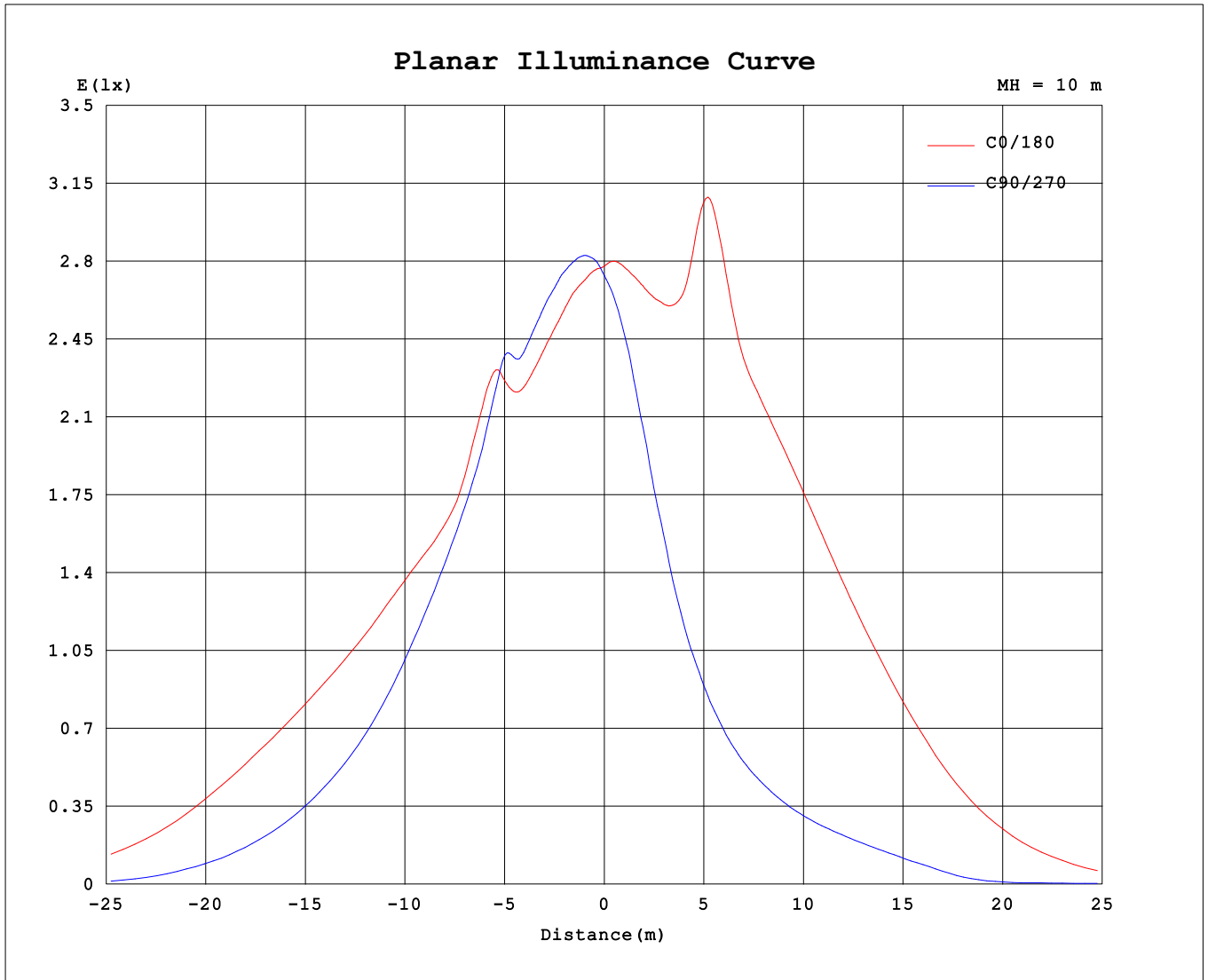
Test:U:3.2000V I:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



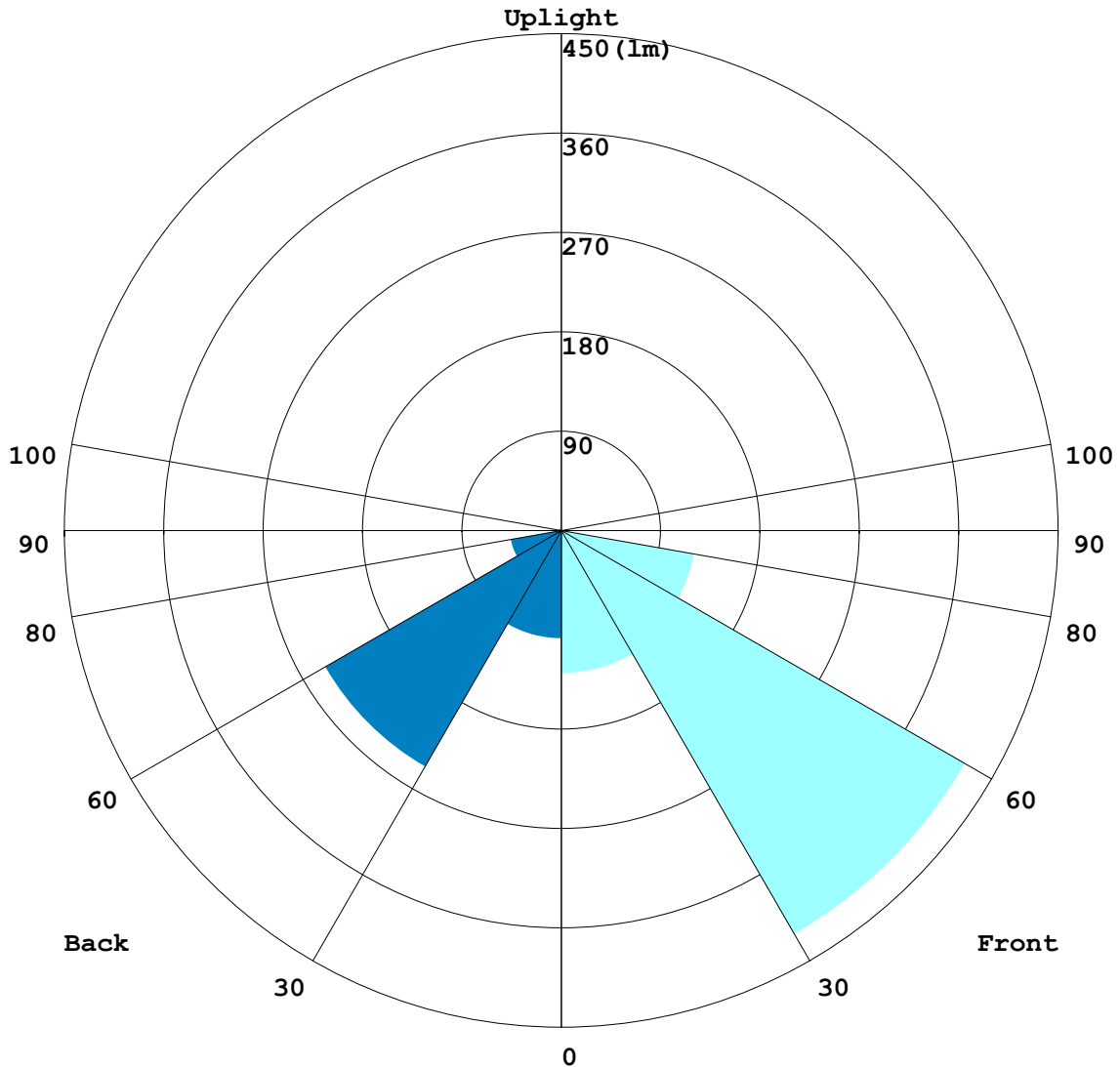
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2022-12-10

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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz		
Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	129.1	12.0
FM - Front-Medium(30-60)	421.95	39.3
FH - Front-High(60-80)	121.91	11.4
FVH - Front-Very High(80-90)	3.2783	0.3
Total Forward Light	678.48	63.3

BL - Back-Low(0-30)	97.551	9.1
BM - Back-Medium(30-60)	246.82	23.0
BH - Back-High(60-80)	46.443	4.3
BVH - Back-Very High(80-90)	0.89958	0.1
Total Back Light	394.05	36.7

UL - Uplight-Low(90-100)	1.0855	0.1
UH - Uplight-High(100-180)	3.4847	0.3
Total Up Light	4.5702	0.4

BUG(Back,Up,Glare) Rating	B1-U1-G0
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	391.72	2.3301	394.05
Street Side	676.24	2.2401	678.48

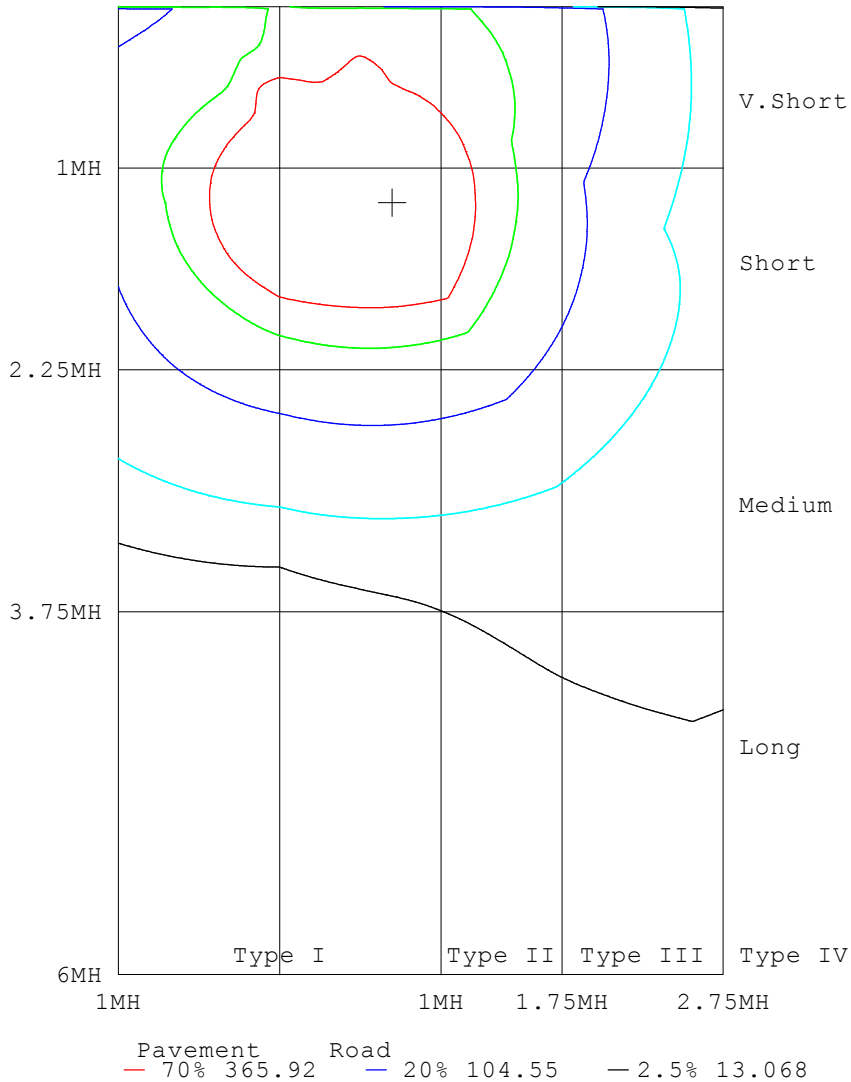
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-12-10

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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	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:2.3000A P:7.3000W PF:1.0000 Freq:0Hz Lamp Flux:1072.52x1 lm		
NAME: Sunflower Solar Street Light	TYPE: Outdoor	WEIGHT: 1.1
SPEC.: SL-CLX-0020	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	274	274	274	274	274	274	274	274	274	274	274	274						
5	272	280	284	286	286	285	278	270	262	255	258	264						
10	271	284	289	292	293	292	280	262	241	224	234	254						
15	270	287	293	295	298	297	288	258	218	189	203	242						
20	273	292	297	298	303	308	311	272	196	156	177	240						
25	295	300	317	320	323	331	391	280	166	132	150	231						
30	343	360	332	323	363	418	444	274	147	114	133	218						
35	330	380	325	309	363	492	425	289	137	100	120	218						
40	343	359	322	301	355	441	456	309	130	92.7	112	227						
45	382	389	318	286	356	477	492	315	126	87.6	107	237						
50	421	425	305	259	349	512	510	302	120	84.4	104	239						
55	461	453	278	220	319	527	491	257	107	75.2	96.8	217						
60	474	449	214	161	239	490	390	172	77.4	40.3	75.9	167						
65	376	344	109	77.8	113	343	217	79.1	39.5	9.26	41.7	92.1						
70	162	112	25.7	16.8	26.3	121	61.0	28.6	16.7	6.81	17.9	34.0						
75	23.0	17.2	15.9	12.5	18.1	17.9	10.1	9.97	5.11	3.29	5.32	9.03						
80	8.01	11.7	11.1	9.16	13.4	12.1	5.89	4.79	1.44	0.69	1.62	4.20						
85	4.90	5.91	7.38	0.04	8.84	7.08	3.12	2.13	0.73	0.44	0.95	2.03						
90	1.97	2.65	3.41	0.03	3.78	2.83	0.88	0.98	0.51	0.05	0.68	1.25						
95	1.15	1.32	1.36	0.21	1.38	1.18	0.91	0.92	0.39	0.06	0.47	1.15						
100	1.22	1.00	1.02	0.58	1.06	0.92	0.90	0.83	0.38	0.10	0.42	0.99						
105	1.03	0.73	0.66	0.42	0.68	0.64	0.86	0.78	0.37	0.17	0.42	0.90						
110	0.86	0.55	0.37	0.30	0.46	0.53	0.88	0.79	0.39	0.25	0.43	0.92						
115	0.91	0.57	0.34	0.25	0.35	0.56	0.92	0.81	0.49	0.40	0.53	1.00						
120	0.99	0.59	0.27	0.25	0.28	0.59	0.92	0.82	0.59	0.48	0.67	1.02						
125	0.99	0.59	0.26	0.21	0.28	0.60	0.92	0.82	0.69	0.63	0.79	1.05						
130	0.96	0.61	0.31	0.26	0.33	0.60	0.81	0.82	0.76	0.75	0.89	1.09						
135	0.93	0.67	0.33	0.28	0.34	0.61	0.76	0.83	0.80	0.80	0.93	1.10						
140	0.93	0.70	0.41	0.32	0.34	0.62	0.72	0.82	0.84	0.84	0.93	1.09						
145	0.93	0.73	0.42	0.37	0.41	0.65	0.69	0.82	0.84	0.84	0.93	1.05						
150	0.92	0.73	0.49	0.42	0.44	0.66	0.69	0.79	0.84	0.85	0.93	1.01						
155	0.87	0.73	0.51	0.48	0.49	0.67	0.69	0.77	0.84	0.90	0.93	0.96						
160	0.85	0.70	0.57	0.55	0.57	0.69	0.69	0.76	0.83	0.88	0.93	0.93						
165	0.82	0.74	0.62	0.62	0.60	0.70	0.69	0.76	0.83	0.87	0.85	0.89						
170	0.80	0.75	0.66	0.68	0.67	0.73	0.71	0.75	0.77	0.85	0.84	0.84						
175	0.78	0.75	0.68	0.72	0.72	0.75	0.73	0.73	0.75	0.82	0.78	0.79						
180	0.76	0.75	0.76	0.76	0.75	0.77	0.74	0.75	0.76	0.78	0.75	0.77						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
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