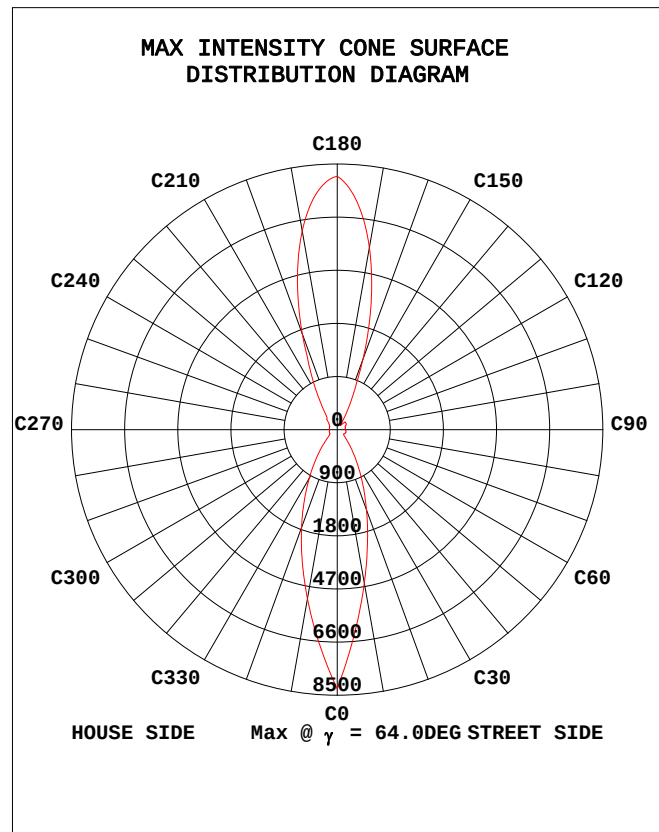
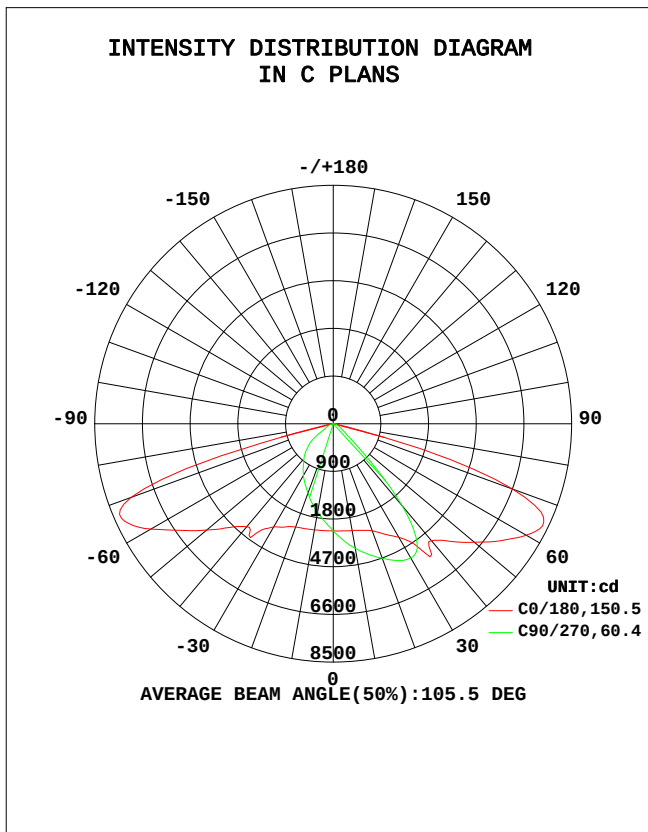


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	80W	I _{max} (cd)	7490	η street_up(%)	0.1
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	57.8
RATED VOLTAGE(V)		TOTAL FLUX(lm)	14243	η house_up(%)	0.1
NOMINAL FLUX(lm)	14242.7	MAXIMUM @ (C, γ)	0, 64.0	η house_down(%)	42.0
LAMPS INSIDE	1	η up(%)	0.2	76 FLASHAREA(m ²)	0.05000
TEST VOLTAGE(V)		η down(%)	99.8	SLI	19.612

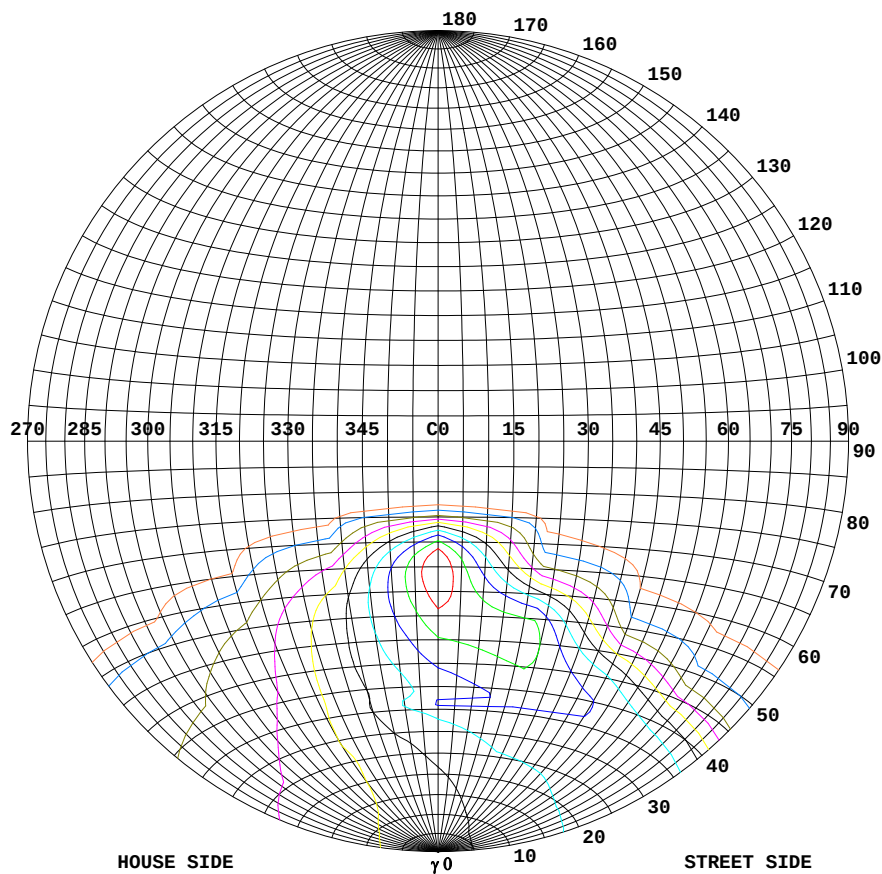


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4587]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A



Classification:

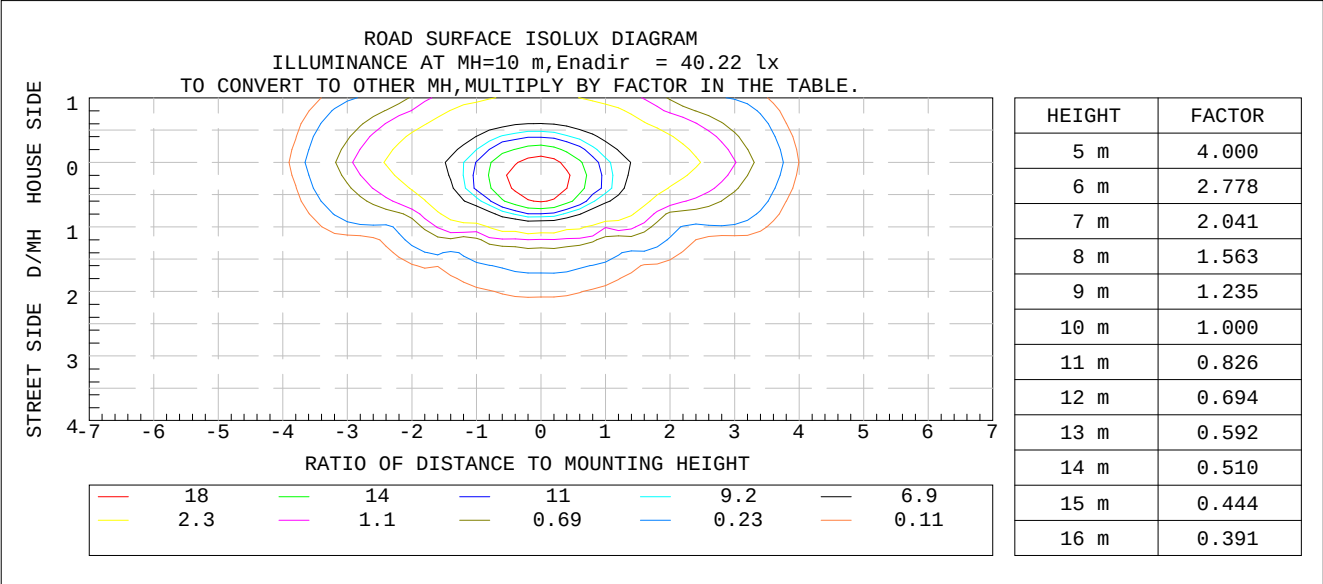
IES:Type I - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:23.67cd/klm
 Max.At90:1.921cd/klm
 Max.80-90:23.67cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7490
90%	6956
80%	5516
70%	5077
60%	4637
50%	3198
40%	2758
30%	2319
20%	959
10%	840
5%	420

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4587]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4587]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A

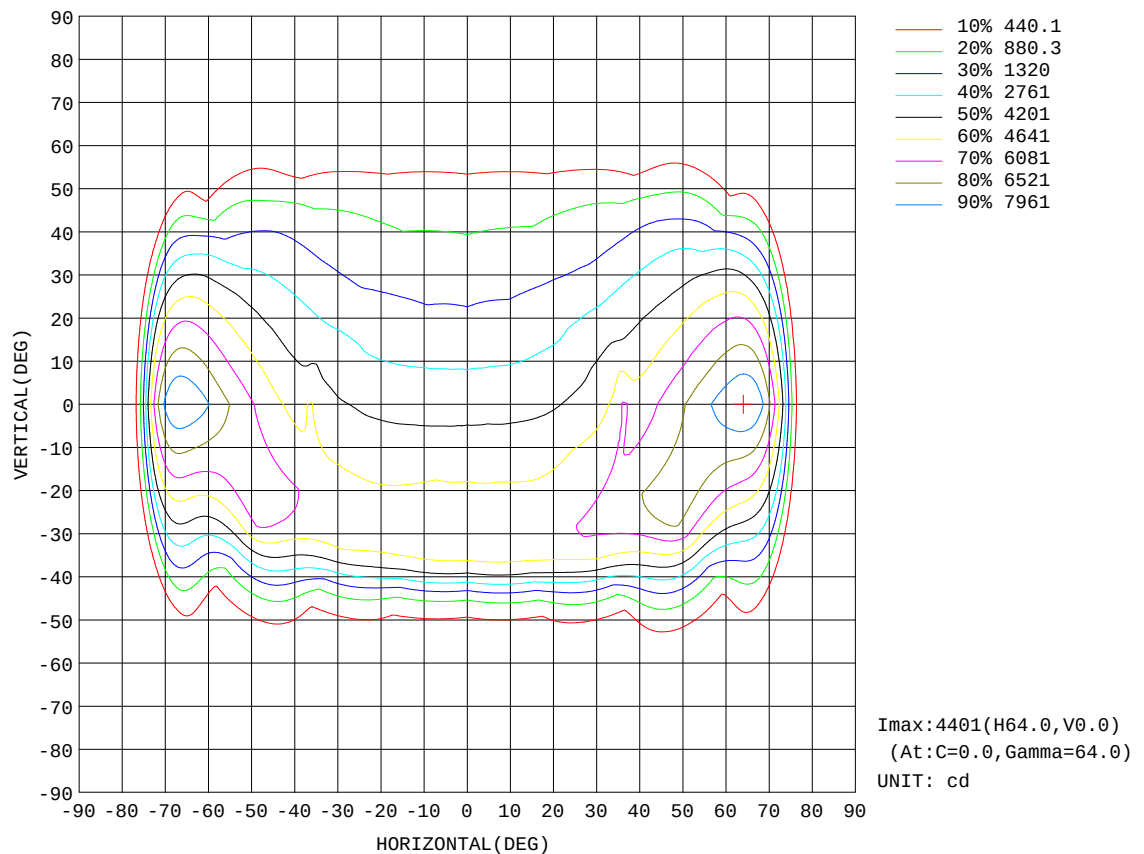
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4048	4290	4388	4284	4035	3788	3698	3813	0- 10	194.1	194.1	2.73,2.73
20	2953	2851	2700	2524	2976	1892	1896	2654	10- 20	584.8	778.9	10.9,10.9
30	2473	2850	2728	2954	2248	1422	1125	1520	20- 30	985.5	1764	24.8,24.8
40	2880	3082	2026	2860	2539	1251	864.0	1358	30- 40	1372	3136	44,44
50	3479	1731	401.6	1408	3120	1038	581.3	1126	40- 50	1458	4595	64.5,64.5
60	4207	289.8	175.9	285.4	3975	555.2	161.4	595.6	50- 60	1276	5871	82.5,82.5
70	3592	136.0	77.05	125.6	4052	123.0	89.85	134.1	60- 70	904.9	6776	95.2,95.2
80	84.81	77.37	62.90	67.53	97.31	47.93	20.30	54.65	70- 80	302.7	7078	99.4,99.4
90	5.589	5.476	5.736	4.117	3.671	0	0	0.4616	80- 90	29.13	7108	99.8,99.8
100	4.914	0.1315	0	0.0942	2.846	0	0	0	90-100	0.9792	7109	99.8,99.8
110	6.660	0.0939	0	0.0942	4.540	0.8500	0.2082	0.2832	100-110	1.090	7110	99.8,99.8
120	7.188	0.0939	0	0.0942	4.590	3.762	1.695	1.545	110-120	1.707	7111	99.9,99.9
130	6.246	0.8339	0.0938	0.1859	3.494	5.079	2.260	2.448	120-130	1.960	7113	99.9,99.9
140	4.636	1.561	0.4690	0.6579	3.254	5.330	3.572	3.391	130-140	2.039	7115	99.9,99.9
150	4.539	2.051	1.500	1.695	3.596	5.403	4.036	4.388	140-150	1.968	7117	100,100
160	4.540	2.817	2.158	2.146	4.258	5.476	4.647	4.831	150-160	1.663	7119	100,100
170	4.699	4.309	3.277	3.031	4.731	5.532	4.605	4.890	160-170	1.105	7120	100,100
180	5.013	5.355	4.033	3.767	5.013	5.543	4.406	4.519	170-180	0.4205	7120	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Link Chai
Test Date:2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity:60%
Test Distance:26.000m [K=1.4587]
Remarks:

ISOCANDELA DIAGRAM

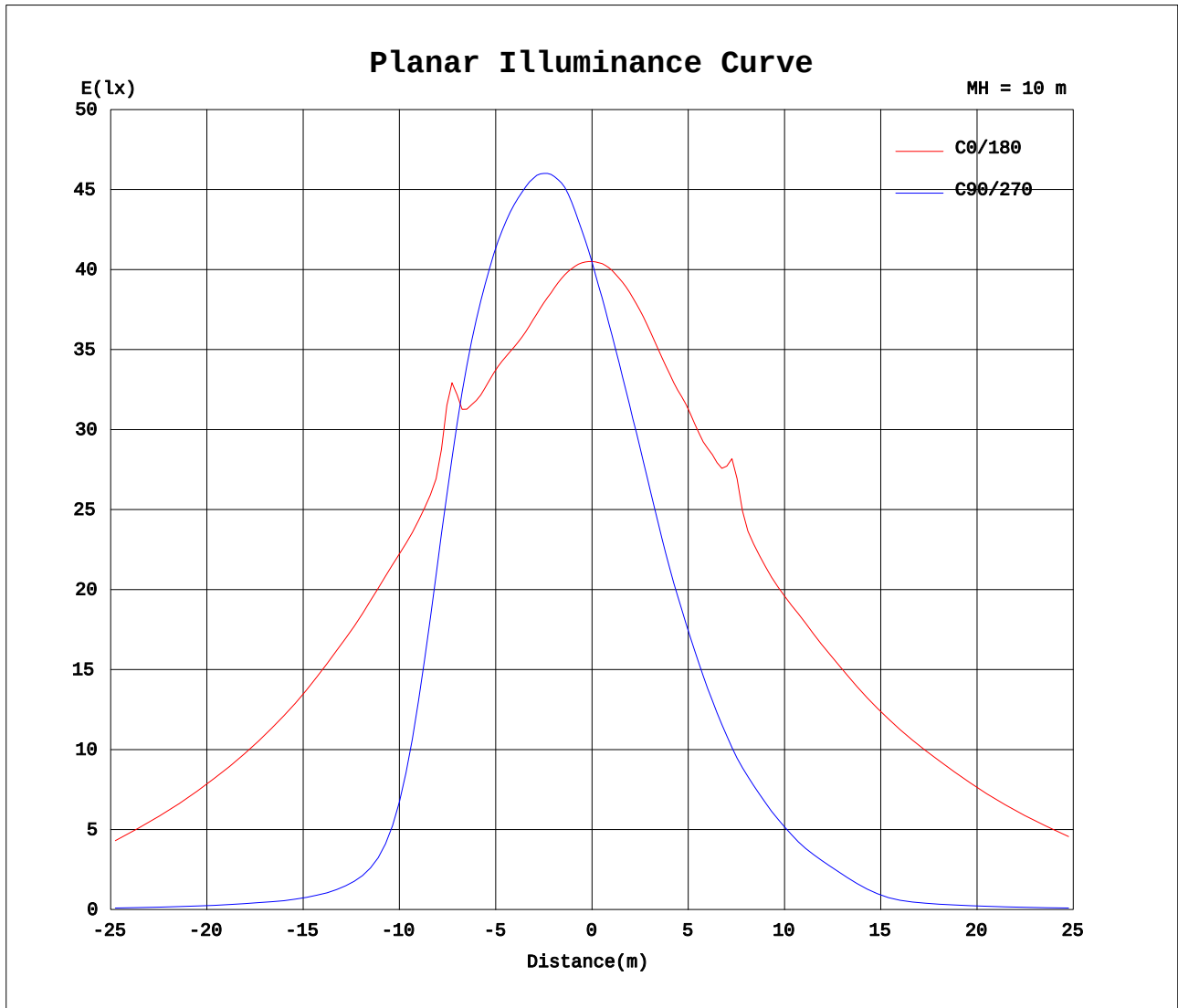
Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4587]
Remarks:

Planar Illuminance Curve



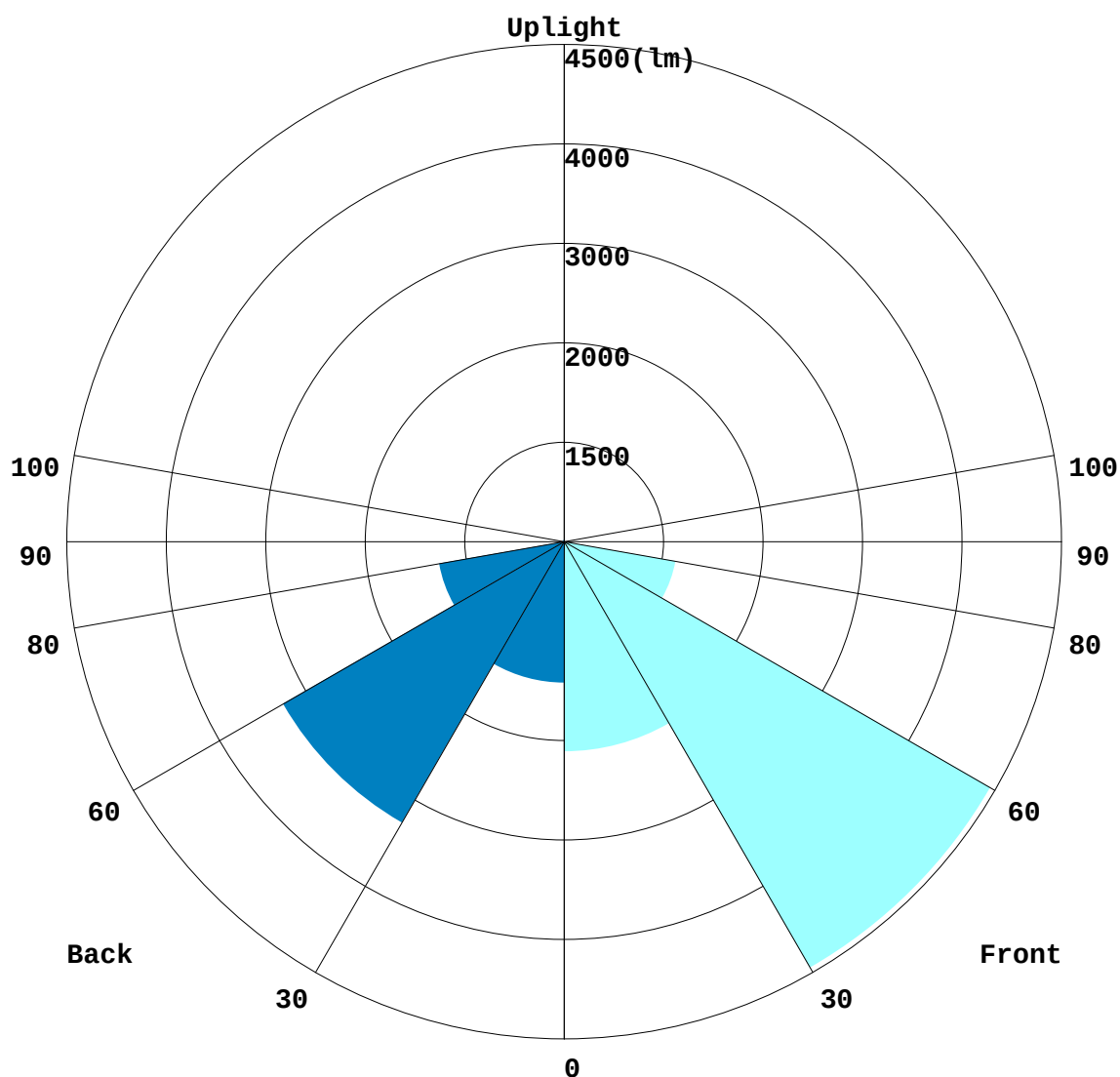
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Link Chai
Test Date: 2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4587]
Remarks:

LCS REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4587]
 Remarks:

BUG REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1955.1	14.8
FM - Front-Medium(30-60)	2874.4	34.8
FH - Front-High(60-80)	969.03	8.0
FVH - Front-Very High(80-90)	18.27	0.3
Total Forward Light	4121.9	57.9

BL - Back-Low(0-30)	709.25	10.0
BM - Back-Medium(30-60)	1632.1	22.9
BH - Back-High(60-80)	638.49	9.0
BVH - Back-Very High(80-90)	10.859	0.2
Total Back Light	2998.5	42.1

UL - Uplight-Low(90-100)	0.97924	0.0
UH - Uplight-High(100-180)	11.952	0.2
Total Up Light	12.931	0.2

BUG(Back,Up,Glare) Rating	B2-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3190.7	7.848	3198.5
Street Side	4116.8	5.0835	4121.9

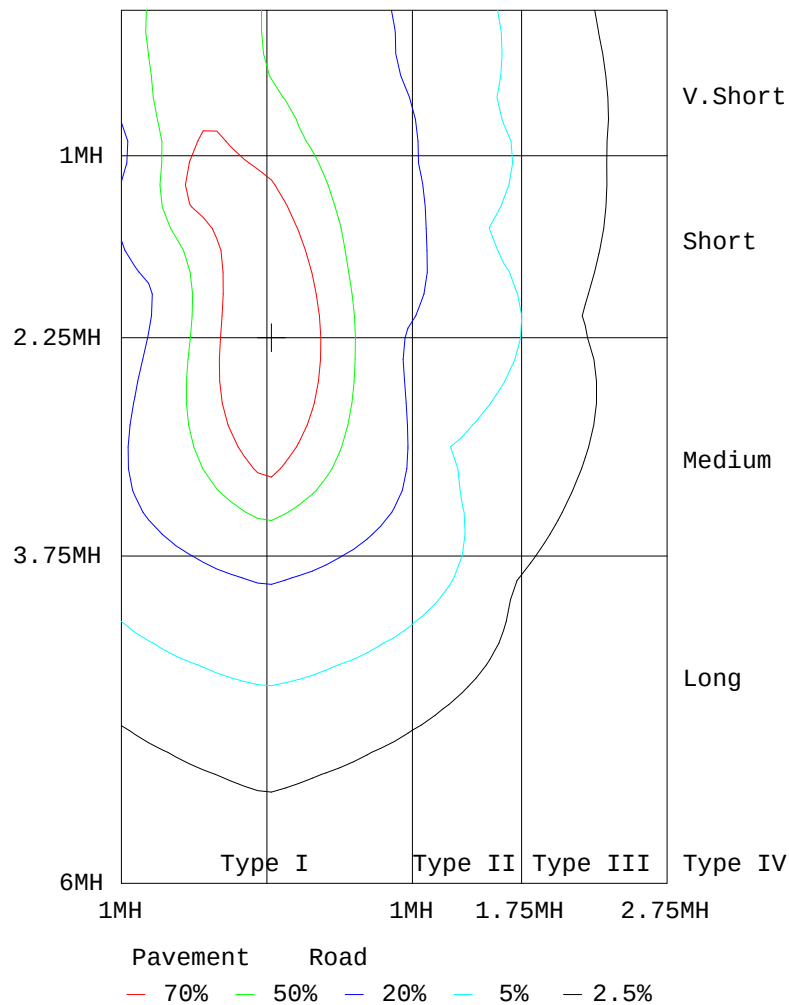
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Link Chai
Test Date:2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity:60%
Test Distance:26.000m [K=1.4587]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Link Chai
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4587]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:14242.7x1 lm																		
NAME: All-in-one solar street light										TYPE:LED					WEIGHT:N/A			
SPEC.:N/A										DIM.:					SERIAL No.:N/A			
MFR.:										SUR.:					Shielding Angle:N/A			

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	4023	4023	4023	4023	4023	2023	4023	2023	4023	2023	4023	2023	4023	3023	2023	2023			
5	4031	4096	2157	2191	3207	2188	3146	2091	2026	1958	1902	2867	1852	1869	1906	1965			
10	4048	2174	2290	2360	4388	2364	2584	2167	4035	1897	1788	1723	1698	1734	1813	1921			
15	4083	2271	2425	2505	2551	2524	4411	2246	2052	1848	1682	1583	1551	1603	1719	1894			
20	4153	2415	2551	2657	2700	2677	2524	2347	4076	1808	1592	1443	1396	1475	1654	1897			
25	3300	2592	2675	2789	2850	2798	4628	2463	2149	1797	1508	1311	1259	1346	1591	1918			
30	2473	2791	2850	2902	2928	2886	2754	2576	2248	1848	1422	1188	1125	1218	1520	2069			
35	2923	3014	3029	2884	2762	2825	2865	2708	2518	1865	1333	1062	988	1090	1438	2114			
40	2880	3242	3082	2438	2026	2302	2860	2919	2539	1875	1251	930	864	956	1358	2123			
45	3140	3535	2721	1413	951	1261	2423	3205	2768	1913	1150	812	731	844	1255	2170			
50	3479	3726	1731	554	402	513	1408	3381	3120	1913	1038	677	581	695	1126	2164			
55	3850	3468	687	280	240	288	559	3035	3508	1851	880	471	343	474	945	2106			
60	4207	2337	290	187	176	188	285	1835	3975	1638	555	189	161	200	596	1902			
65	4384	992	183	143	129	137	171	684	4348	1222	209	132	120	134	246	1415			
70	3592	306	136	114	77.1	107	126	269	4052	482	123	99.4	89.9	102	134	593			
75	1027	157	99.1	77.4	63.1	70.5	97.3	131	1378	144	87.9	61.1	56.7	65.6	95.7	162			
80	84.8	83.3	77.4	47.6	62.9	44.7	67.5	69.6	97.3	70.1	47.9	27.9	20.3	31.0	54.7	76.7			
85	35.5	38.7	35.3	29.1	35.8	25.1	28.2	29.3	36.7	26.5	11.9	6.07	0.00	6.62	14.5	33.9			
90	5.59	7.27	5.48	5.64	5.74	5.01	4.12	3.73	3.67	2.70	0.00	0.00	0.00	0.00	0.46	4.33			
95	3.97	1.32	0.28	0.22	0.13	0.09	0.21	0.56	1.99	0.28	0.00	0.00	0.00	0.00	0.00	0.47			
100	4.91	1.37	0.13	0.00	0.00	0.00	0.09	0.50	2.85	0.86	0.00	0.00	0.00	0.00	0.00	0.48			
105	6.43	1.46	0.09	0.00	0.00	0.00	0.09	0.53	4.16	2.36	0.10	0.00	0.00	0.00	0.09	1.42			
110	6.66	1.88	0.09	0.00	0.00	0.00	0.09	0.56	4.54	3.58	0.85	0.19	0.21	0.19	0.28	2.46			
115	6.89	2.35	0.09	0.00	0.00	0.00	0.09	0.95	4.54	4.26	2.26	1.03	0.66	0.47	0.94	3.04			
120	7.19	2.63	0.09	0.09	0.00	0.00	0.09	1.46	4.59	4.32	3.76	1.56	1.69	1.01	1.55	3.09			
125	7.19	2.80	0.30	0.27	0.09	0.00	0.09	1.60	3.88	4.14	4.14	1.66	2.00	1.18	1.89	3.15			
130	6.25	2.88	0.83	0.38	0.09	0.09	0.19	1.71	3.49	4.03	5.08	3.59	2.26	2.16	2.45	3.21			
135	5.67	2.93	1.50	0.47	0.09	0.19	0.41	1.98	3.28	4.01	5.19	4.09	3.51	2.78	2.92	3.26			
140	4.64	2.98	1.56	0.85	0.47	0.56	0.66	2.08	3.25	3.98	5.33	4.23	3.57	3.57	3.39	3.41			
145	4.59	3.03	1.51	1.63	1.03	0.94	1.50	2.17	3.22	4.04	5.37	5.19	3.63	5.16	4.05	3.49			
150	4.54	3.11	2.05	1.88	1.50	1.45	1.69	2.17	3.60	4.22	5.40	5.93	4.04	5.17	4.39	3.60			
155	4.54	3.18	2.44	2.16	1.97	1.70	1.91	2.22	3.97	4.52	5.44	5.94	4.69	4.87	4.71	3.61			
160	4.54	3.25	2.82	2.63	2.16	1.96	2.15	2.40	4.26	4.55	5.48	5.82	4.65	4.80	4.83	3.63			
165	4.54	3.67	3.10	2.82	2.72	2.71	2.61	2.76	4.41	4.60	5.51	5.17	4.61	4.72	4.86	3.65			
170	4.70	4.48	4.31	3.38	3.28	3.18	3.03	3.14	4.73	4.80	5.53	5.17	4.61	4.66	4.89	3.66			
175	4.92	5.08	4.79	4.33	3.75	4.30	3.39	3.50	4.93	4.94	5.54	5.17	4.60	4.60	4.71	3.68			
180	5.01	5.55	5.35	4.42	4.03	4.40	3.77	3.69	5.01	4.99	5.54	5.17	4.41	4.12	4.52	3.59			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Link Chai
Test Date:2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity:60%
Test Distance:26.000m [K=1.4587]
Remarks: