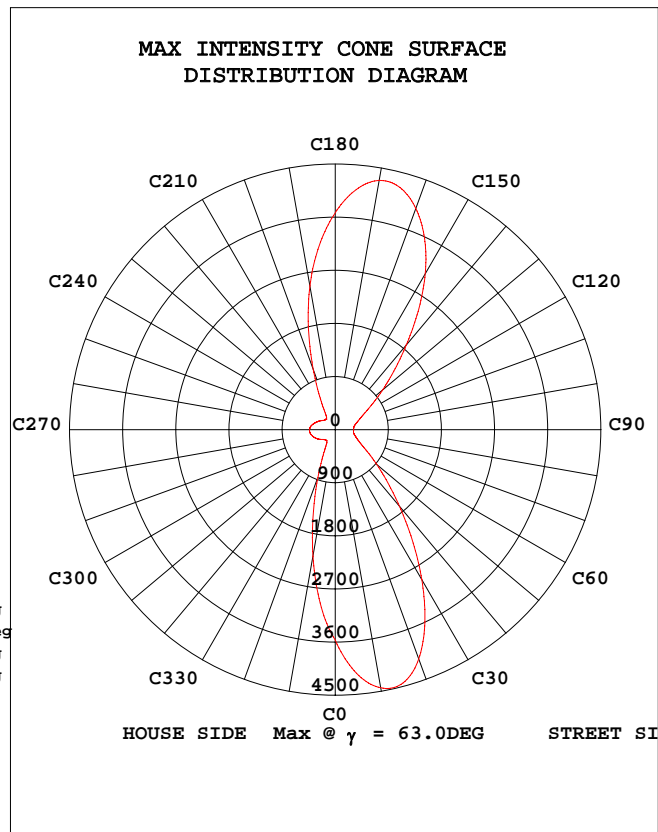
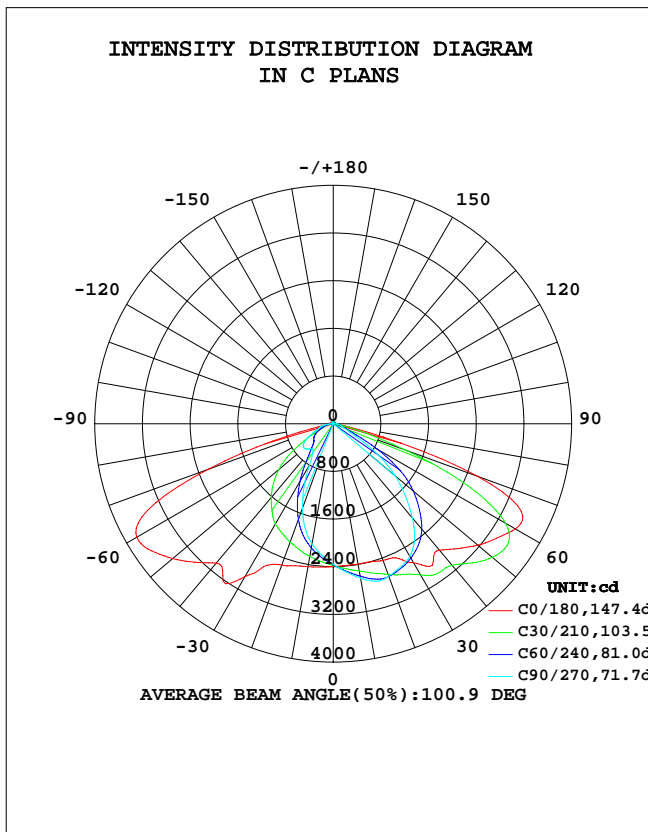


SOLAR STREET LIGHT PHOTOMETRIC TEST REPORT

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.40 lm/W			
MODEL		I _{max} (cd)	7439	η street_up(%)	0.8
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	65.2
RATED VOLTAGE(V)		TOTAL FLUX(lm)	16694	η house_up(%)	1.0
NOMINAL FLUX(lm)	16694.1	MAXIMUM @(C,γ)	10,63.0	η house_down(%)	33.0
LAMPS INSIDE	1	η up(%)	1.8	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	98.2	SLI	18.262



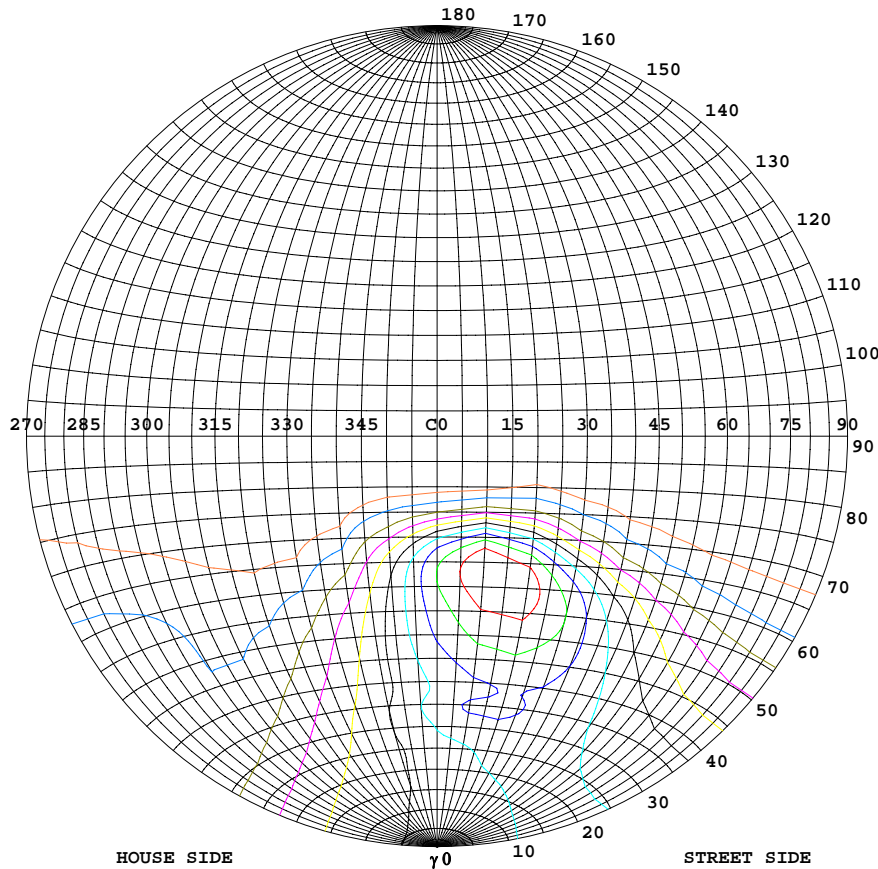
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sxc
 Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index

SOLAR STREET LIGHT ISOCANDELA DIAGRAM

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

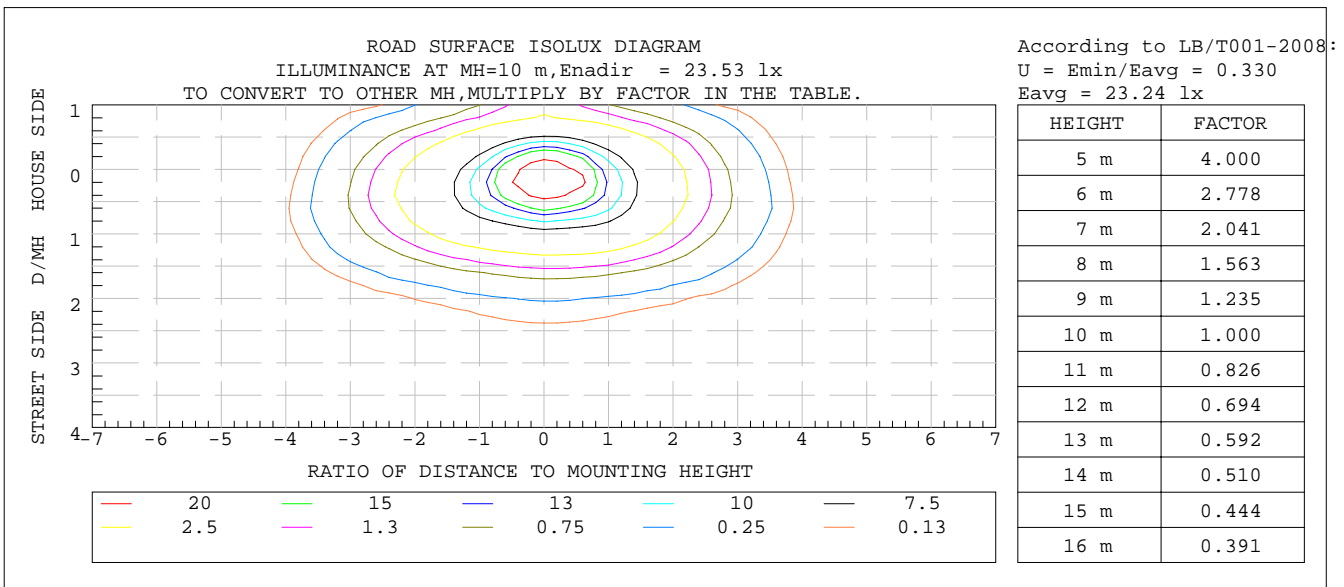
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:32.30cd/klm
 Max.At90:2.571cd/klm
 Max.80-90:32.30cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4439
90%	3995
80%	3551
70%	3107
60%	2663
50%	2219
40%	1776
30%	1332
20%	888
10%	444
5%	222

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sxc
 Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: sxc
Test Date: 2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 12.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2390	2556	2629	2572	2436	2182	2048	2133	0- 10	225.7	225.7	2.78,2.78
20	2441	2727	2722	2802	2525	1903	1509	1823	10- 20	663.3	889.0	11,11
30	2692	2759	2570	2968	2963	1476	803.8	1364	20- 30	1034	1923	23.7,23.7
40	2772	2731	2065	2983	3056	980.0	553.3	875.9	30- 40	1323	3246	40,40
50	3170	2529	1356	2886	3519	561.9	638.0	505.4	40- 50	1504	4750	58.6,58.6
60	3529	1762	491.5	1978	3806	286.8	515.8	287.7	50- 60	1581	6331	78,78
70	2570	392.8	173.1	449.8	2225	176.8	281.9	177.1	60- 70	1186	7517	92.7,92.7
80	157.2	91.04	103.6	92.13	144.1	108.7	156.1	107.6	70- 80	386.9	7904	97.4,97.4
90	17.32	14.52	15.76	14.55	17.69	13.92	2.888	14.40	80- 90	64.21	7968	98.2,98.2
100	22.50	10.37	9.351	9.801	21.17	15.32	5.516	16.72	90-100	14.15	7982	98.4,98.4
110	42.18	14.88	11.02	13.68	33.62	22.87	10.65	24.83	100-110	17.53	8000	98.6,98.6
120	35.92	14.41	8.509	12.25	32.72	25.74	17.46	30.18	110-120	22.08	8022	98.9,98.9
130	35.62	18.06	10.72	15.51	33.10	28.45	24.13	34.60	120-130	20.83	8043	99.1,99.1
140	38.75	22.82	15.30	19.74	36.18	32.88	29.94	38.56	130-140	20.74	8064	99.4,99.4
150	40.61	27.38	21.09	23.85	37.81	36.39	34.68	41.08	140-150	19.41	8083	99.6,99.6
160	39.85	31.46	26.94	28.01	37.47	37.86	38.21	41.08	150-160	15.63	8099	99.8,99.8
170	39.24	35.22	32.77	32.98	38.20	38.96	40.15	40.44	160-170	10.18	8109	100,100
180	38.52	37.79	36.96	36.93	38.57	37.82	36.93	36.95	170-180	3.570	8112	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: sxc
Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

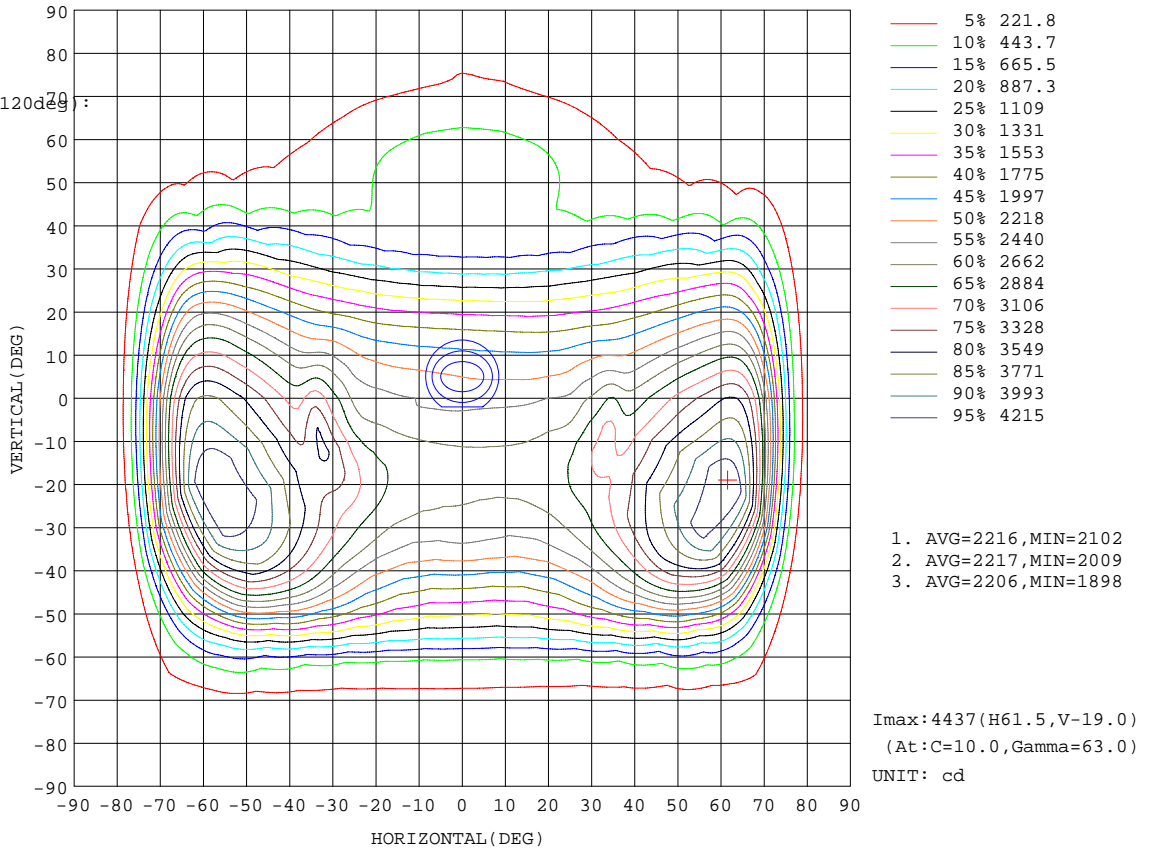
Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3973.8 lm
 %lum = 49.0%
 %lamp = 49.0%

Conical surface Flux(120deg):

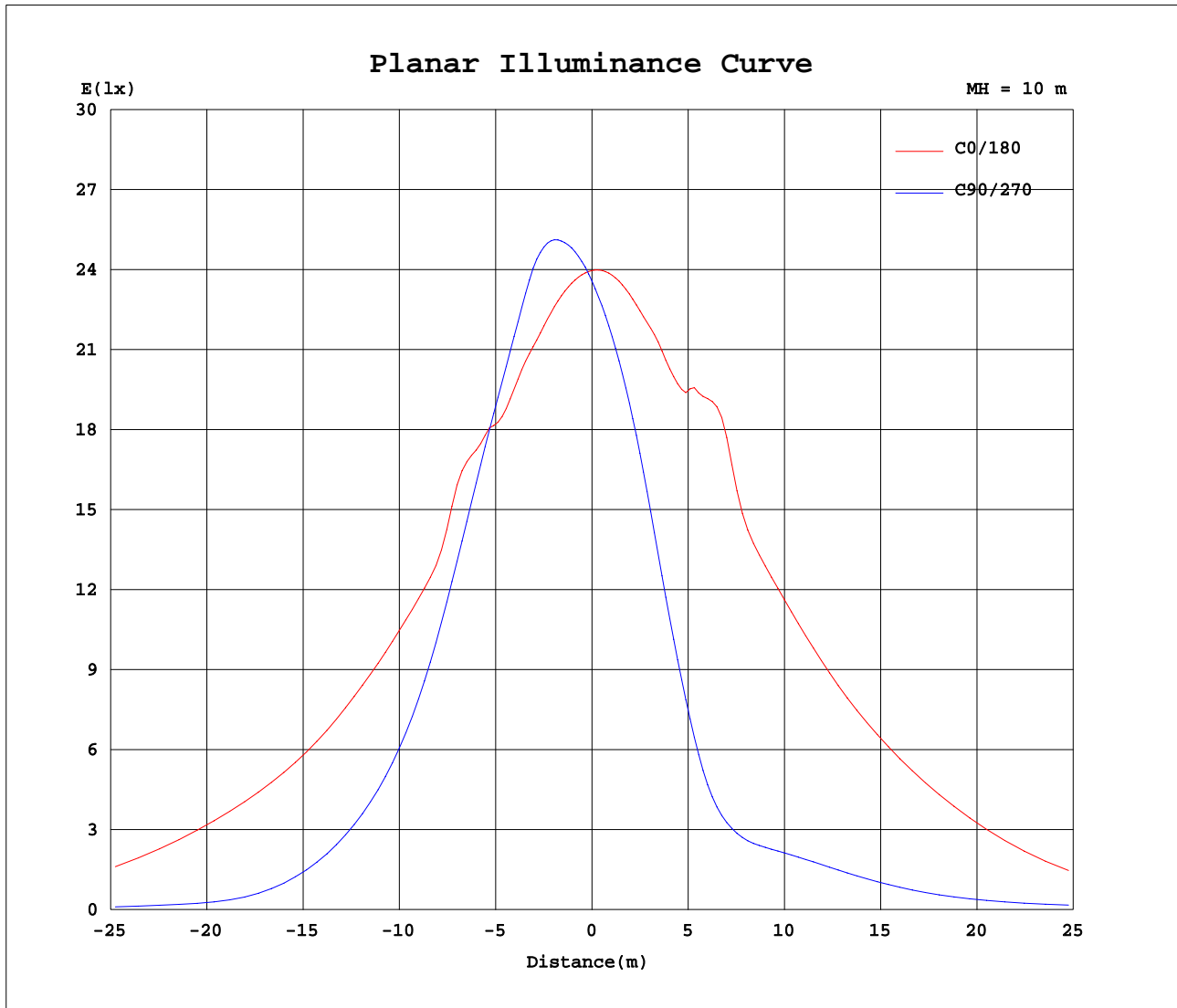
6331.3 lm
 %lum = 78.0%
 %lamp = 78.0%



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: sxc
 Test Date: 2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 12.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



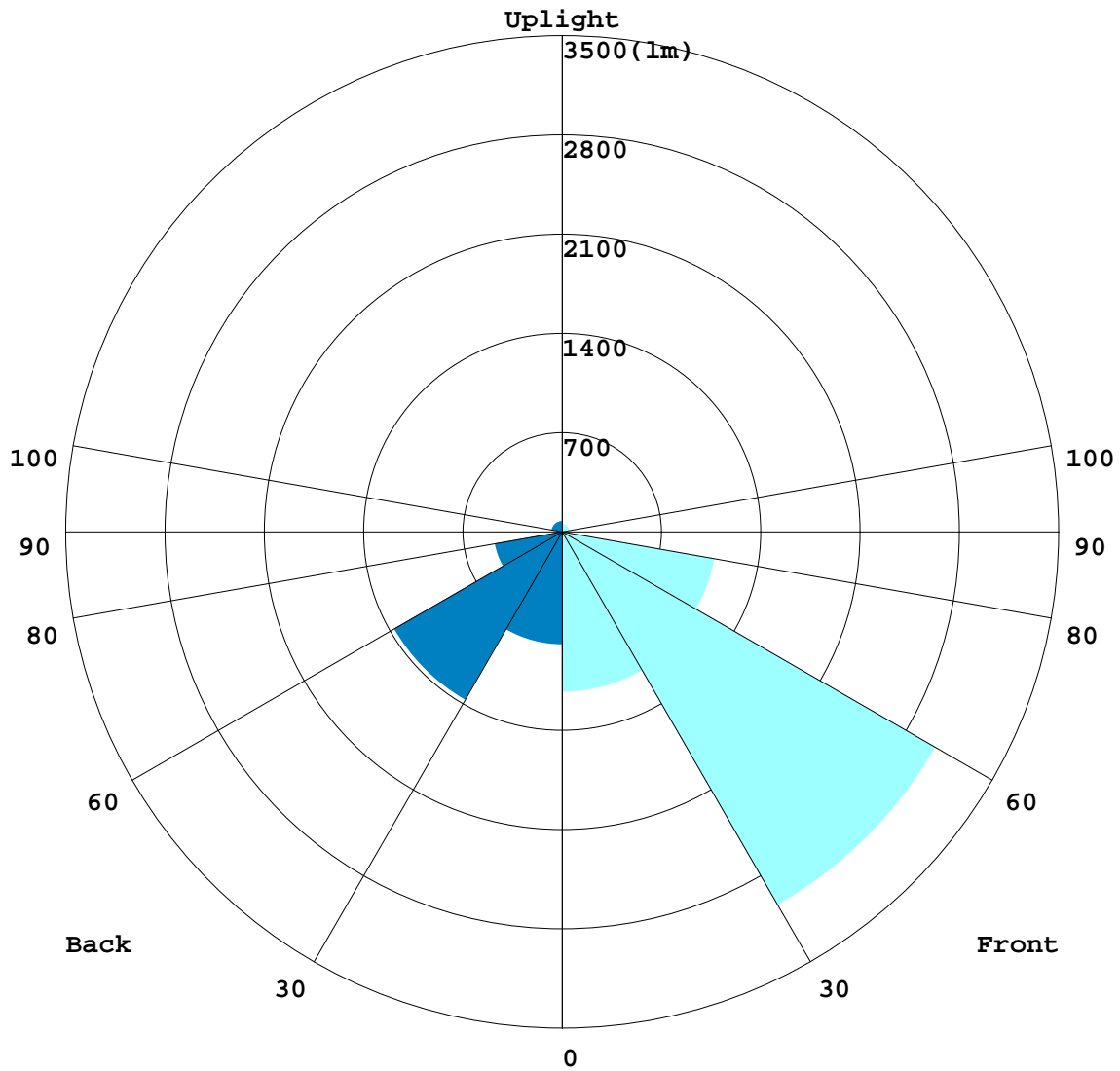
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: sxc
 Test Date: 2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 12.200m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: sxc
 Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1128.9	13.9
FM - Front-Medium(30-60)	3040	37.5
FH - Front-High(60-80)	1090.4	13.4
FVH - Front-Very High(80-90)	32.014	0.4
Total Forward Light	5352.6	66.0

BL - Back-Low(0-30)	794.32	9.8
BM - Back-Medium(30-60)	1368.1	16.9
BH - Back-High(60-80)	482.34	5.9
BVH - Back-Very High(80-90)	32.193	0.4
Total Back Light	2759.8	34.0

UL - Uplight-Low(90-100)	14.148	0.2
UH - Uplight-High(100-180)	129.97	1.6
Total Up Light	144.12	1.8

BUG(Back,Up,Glare) Rating	B2-U4-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5291.3	61.286	5352.6
Street Side	2677	82.834	2759.8

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sxc
Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2397	2390	2385	2379	2375	2370	2367	2362	2362	2357	2357	2353	2353	2349	2349	2347	2346	2345	2397
5	2388	2406	2424	2441	2457	2469	2481	2488	2495	2496	2496	2489	2481	2467	2453	2433	2412	2387	2414
10	2390	2432	2472	2508	2542	2571	2595	2611	2625	2629	2631	2622	2609	2586	2558	2521	2480	2433	2436
15	2400	2472	2538	2595	2640	2673	2698	2714	2727	2735	2740	2738	2730	2709	2677	2631	2569	2495	2467
20	2441	2543	2633	2691	2723	2731	2725	2717	2713	2722	2738	2763	2791	2807	2798	2762	2691	2586	2525
25	2484	2622	2736	2789	2774	2728	2680	2651	2647	2659	2669	2709	2775	2855	2919	2926	2851	2714	2621
30	2692	2891	2987	2927	2816	2702	2604	2552	2556	2570	2562	2605	2716	2877	3058	3208	3272	3137	2963
35	2897	3173	3203	3061	2849	2654	2489	2379	2361	2377	2370	2444	2614	2853	3135	3412	3581	3533	3221
40	2772	3057	3178	3101	2876	2586	2312	2123	2056	2065	2079	2213	2469	2812	3153	3397	3460	3308	3056
45	2962	3345	3468	3301	2904	2436	2048	1806	1708	1715	1744	1916	2235	2707	3238	3643	3785	3626	3286
50	3170	3669	3791	3485	2845	2213	1749	1476	1356	1356	1402	1596	1958	2530	3242	3865	4113	3956	3519
55	3348	3973	4073	3560	2661	1899	1376	1087	956	946	992	1177	1547	2178	3035	3908	4339	4224	3719
60	3529	4314	4253	3337	2175	1349	848	612	506	491	526	665	956	1529	2427	3545	4310	4391	3806
65	3482	4390	3886	2545	1312	646	369	287	264	266	272	303	408	744	1457	2624	3606	4045	3437
70	2570	3390	2628	1288	504	282	207	182	173	173	175	187	223	314	585	1339	2213	2710	2225
75	871	1288	994	441	198	140	116	127	130	133	128	126	116	145	239	487	872	1087	792
80	157	166	262	117	86.2	95.9	97.3	100	103	104	103	98.1	101	97.8	86.5	134	248	153	144
85	49.7	42.7	52.5	46.2	49.5	46.7	52.0	60.4	69.4	67.5	69.0	60.0	52.3	47.0	49.7	45.0	49.5	39.9	45.1
90	17.3	20.5	20.9	16.3	14.4	14.7	16.2	19.5	17.8	15.8	18.3	20.6	17.2	14.8	14.3	16.0	19.9	20.5	17.7
95	18.8	16.9	15.2	13.0	11.5	11.0	11.7	11.3	10.3	10.1	10.8	11.8	11.5	10.5	10.8	12.0	14.1	15.9	18.0
100	22.5	19.5	16.1	13.4	11.1	9.64	8.89	8.80	8.95	9.35	9.17	9.00	9.05	9.19	10.4	12.1	14.8	18.3	21.2
105	27.1	23.4	18.9	16.1	13.7	11.2	9.67	10.9	11.7	11.6	11.7	11.1	9.75	10.3	12.5	14.3	17.3	22.0	25.2
110	42.2	34.8	22.9	17.4	14.5	15.3	13.2	11.3	10.9	11.0	11.2	11.2	13.5	14.7	12.6	15.6	20.8	27.9	33.6
115	37.4	34.7	30.8	22.2	15.8	12.0	9.69	11.7	13.0	13.6	13.3	12.0	9.19	10.4	13.7	20.1	30.6	35.5	35.2
120	35.9	32.8	28.2	22.8	16.7	12.1	9.11	7.88	7.95	8.51	8.14	8.09	8.62	10.6	13.9	19.0	24.1	28.9	32.7
125	35.5	32.9	28.5	23.3	18.1	14.0	11.0	9.63	9.00	9.01	9.18	9.73	10.5	12.2	15.5	19.5	23.8	27.8	32.4
130	35.6	33.6	30.0	25.4	20.1	16.0	13.2	11.6	10.8	10.7	10.9	11.6	12.5	14.2	16.8	20.8	24.8	28.2	33.1
135	37.0	35.0	31.4	26.9	22.3	18.5	15.6	13.9	13.0	12.8	13.0	13.7	14.7	16.4	18.8	22.1	25.7	29.4	34.3
140	38.7	36.5	32.9	28.8	24.6	21.0	18.3	16.5	15.5	15.3	15.5	16.1	17.1	18.6	20.8	23.9	27.5	31.2	36.2
145	40.1	37.7	34.3	30.6	26.8	23.6	21.0	19.4	18.4	18.1	18.2	18.7	19.5	20.9	22.8	25.6	29.0	32.7	37.6
150	40.6	38.3	35.2	32.0	28.7	26.0	23.8	22.4	21.4	21.1	21.1	21.4	21.9	23.0	24.7	27.1	30.0	33.3	37.8
155	40.5	38.4	35.8	33.2	30.5	28.4	26.6	25.3	24.5	24.0	23.9	24.0	24.4	25.2	26.5	28.5	30.8	33.6	37.7
160	39.9	38.3	36.2	34.3	32.3	30.6	29.2	28.2	27.4	26.9	26.7	26.7	26.9	27.5	28.5	30.1	31.9	34.0	37.5
165	39.4	38.4	36.9	35.5	34.0	32.8	31.7	30.9	30.3	29.9	29.6	29.6	29.7	30.1	30.8	32.0	33.3	34.7	37.7
170	39.2	38.6	37.6	36.7	35.6	34.8	34.0	33.4	33.0	32.8	32.5	32.5	32.5	32.8	33.2	34.0	34.7	35.6	38.2
175	39.0	38.6	38.1	37.7	36.9	36.5	36.0	35.8	35.6	35.5	35.3	35.3	35.3	35.4	35.5	35.8	36.1	36.5	38.5
180	38.5	38.6	38.4	38.3	37.9	37.7	37.4	37.3	37.1	37.0	36.7	36.8	36.8	36.9	36.9	37.0	37.0	36.9	38.6

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: sxc
 Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:34.36V I:3.53A P:121.5W PF:1.000 Lamp Flux:16694.1x1 lm		
NAME: All in one solar street light	TYPE:LED	WEIGHT:6.8
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2390	2385	2379	2375	2370	2367	2362	2362	2357	2357	2353	2353	2349	2349	2347	2346	2345		
5	2382	2351	2321	2295	2270	2251	2233	2224	2215	2215	2215	2225	2235	2251	2269	2291	2313		
10	2376	2319	2261	2208	2157	2117	2082	2062	2048	2051	2059	2084	2113	2153	2197	2244	2291		
15	2374	2282	2190	2100	2014	1943	1880	1843	1821	1830	1853	1903	1961	2034	2110	2189	2268		
20	2391	2254	2114	1974	1832	1710	1606	1543	1509	1525	1570	1658	1761	1884	2010	2139	2268		
25	2443	2245	2029	1809	1596	1422	1281	1198	1158	1180	1241	1358	1508	1696	1897	2095	2277		
30	2647	2292	1942	1616	1336	1115	943	845	804	828	903	1049	1240	1488	1771	2073	2376		
35	2710	2230	1791	1401	1065	815	662	608	595	600	636	757	973	1269	1611	1991	2403		
40	2626	2127	1618	1164	796	594	531	536	553	540	522	559	713	1038	1429	1884	2331		
45	2721	2065	1423	920	590	476	500	565	602	574	512	464	533	802	1232	1790	2383		
50	2793	1955	1191	685	439	424	512	595	638	608	532	438	413	598	1018	1654	2414		
55	2814	1759	895	456	339	396	495	577	614	591	521	422	344	408	754	1449	2393		
60	2689	1408	541	293	281	347	422	487	516	502	450	373	295	281	454	1125	2303		
65	2245	864	292	216	228	267	315	365	389	377	336	285	237	214	259	679	2026		
70	1311	401	176	171	182	202	233	261	282	270	244	212	185	170	166	319	1271		
75	497	170	121	137	150	142	153	190	226	208	160	145	146	136	117	148	475		
80	154	80.4	82.8	97.5	120	99.6	105	139	156	146	110	101	119	96.3	81.2	76.6	132		
85	42.8	49.9	48.8	63.5	120	53.8	49.4	55.9	52.8	59.6	52.7	55.8	116	64.3	47.6	47.0	42.2		
90	20.0	19.7	18.0	15.8	12.0	8.44	5.31	3.53	2.89	3.90	6.28	9.16	12.7	16.1	18.1	19.1	19.1		
95	19.3	19.6	17.7	14.7	11.1	7.98	5.63	4.14	3.75	4.57	6.40	9.15	12.4	15.6	18.4	19.8	19.2		
100	22.6	22.5	20.4	17.1	13.5	9.90	7.22	5.71	5.52	6.24	8.19	11.4	15.1	18.4	21.3	22.9	22.8		
105	26.9	26.6	24.6	20.7	16.6	12.5	9.66	8.00	7.83	8.68	10.9	14.3	18.6	22.8	26.0	27.0	27.1		
110	32.6	30.5	28.3	25.0	20.7	15.9	11.8	10.7	10.6	11.6	13.7	18.2	22.9	26.8	29.7	31.4	36.1		
115	34.1	33.0	31.0	27.3	22.4	17.7	14.9	13.8	13.9	15.0	17.1	21.0	26.4	30.2	33.4	34.9	36.2		
120	33.7	33.1	31.0	27.7	23.8	20.2	18.1	17.1	17.5	18.6	20.8	23.9	28.2	32.2	35.9	37.0	36.3		
125	32.7	32.0	30.5	28.6	25.5	23.0	21.2	20.4	20.7	22.1	24.4	27.3	30.7	34.0	36.0	36.6	35.6		
130	33.3	32.7	31.1	29.5	27.4	25.6	24.1	23.7	24.1	25.6	27.8	30.6	33.4	35.8	37.3	37.1	35.3		
135	34.6	34.1	32.9	31.4	29.5	27.9	26.8	26.6	27.2	28.7	30.8	33.3	35.7	37.6	38.3	37.9	36.4		
140	36.9	36.8	35.6	33.9	31.9	30.3	29.4	29.3	29.9	31.4	33.4	35.6	37.7	39.4	40.1	39.8	38.3		
145	38.5	38.5	37.4	35.8	34.0	32.7	31.9	31.8	32.5	33.9	35.7	37.6	39.4	40.9	41.5	41.3	39.9		
150	38.8	39.1	38.3	37.1	35.7	34.7	34.1	34.1	34.7	36.0	37.5	39.2	40.5	41.6	42.1	41.7	40.3		
155	38.6	38.9	38.5	37.8	36.8	36.3	36.0	36.2	36.6	37.7	38.9	40.1	41.1	41.7	41.9	41.2	39.9		
160	38.2	38.7	38.4	38.1	37.6	37.5	37.4	37.8	38.2	39.0	39.8	40.6	41.0	41.1	41.1	40.3	39.1		
165	38.2	38.7	38.6	38.6	38.4	38.6	38.7	39.1	39.5	40.1	40.6	40.9	41.0	40.7	40.4	39.6	38.7		
170	38.5	38.8	38.8	38.9	39.0	39.2	39.5	39.9	40.2	40.5	40.8	40.8	40.7	40.2	39.8	39.1	38.4		
175	38.7	38.8	38.8	38.6	38.7	38.8	39.0	39.3	39.4	39.6	39.7	39.7	39.4	39.0	38.7	38.2	37.8		
180	38.5	38.6	38.3	38.0	37.6	37.5	37.3	37.1	36.9	36.8	36.8	36.9	36.9	37.0	37.0	37.0	36.9		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: sxc
 Test Date:2017-03-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.200m [K=1.0000]
 Remarks: