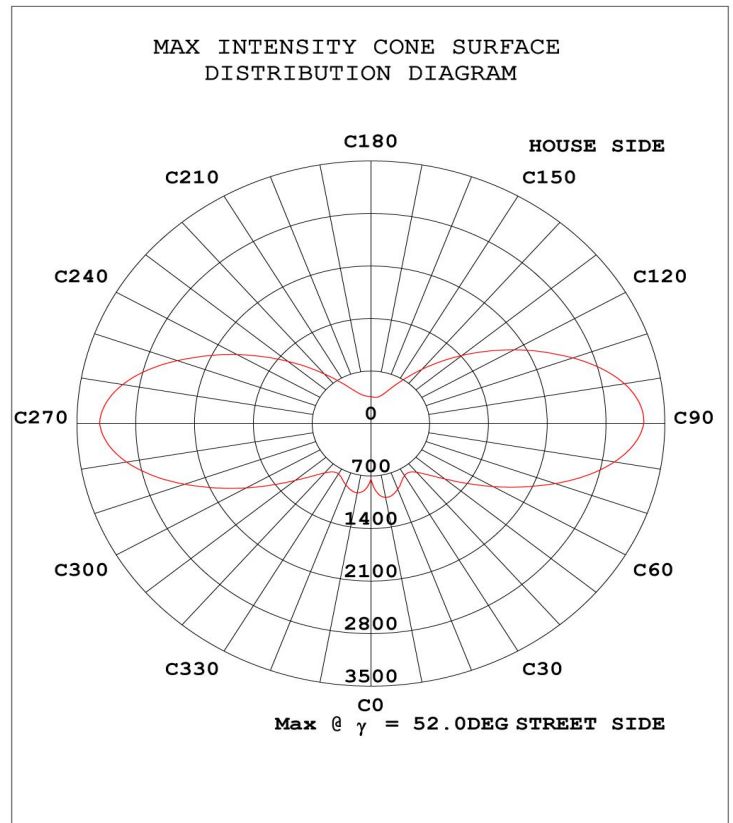
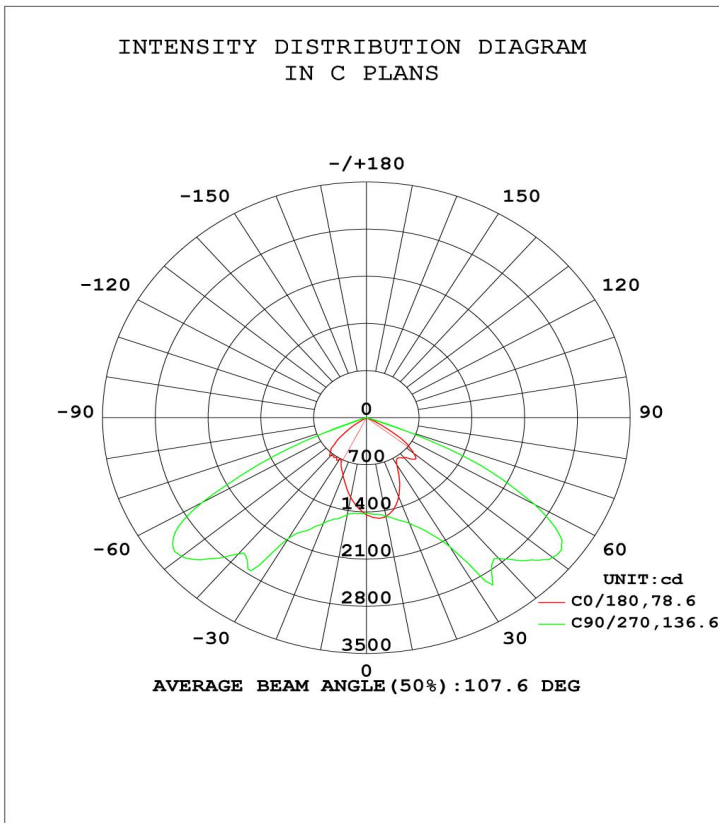


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light Source:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	MP-SIL050	Imax (cd)	3249	η street_up (%)	0.1
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	64.0
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	4978	η house_up (%)	0.0
NOMINAL FLUX (lm)	4978.38	MAXIMUM @ (C, γ)	90, 52.0	η house_down (%)	35.9
LAMPS INSIDE	1	η up (%)	0.1	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	12	η down (%)	99.9	SLI	14.757

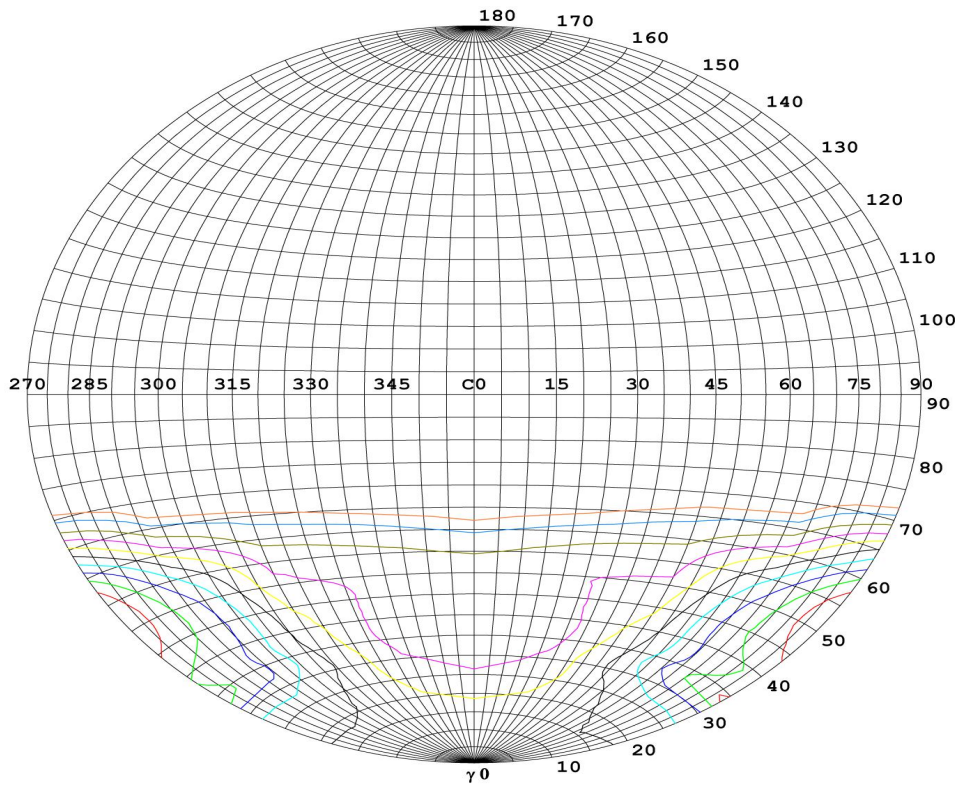


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3DEG
Operators: Teddy
Test Date: 2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.4%
Test Distance: 26.000m [K=1.3336]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A



Classification:

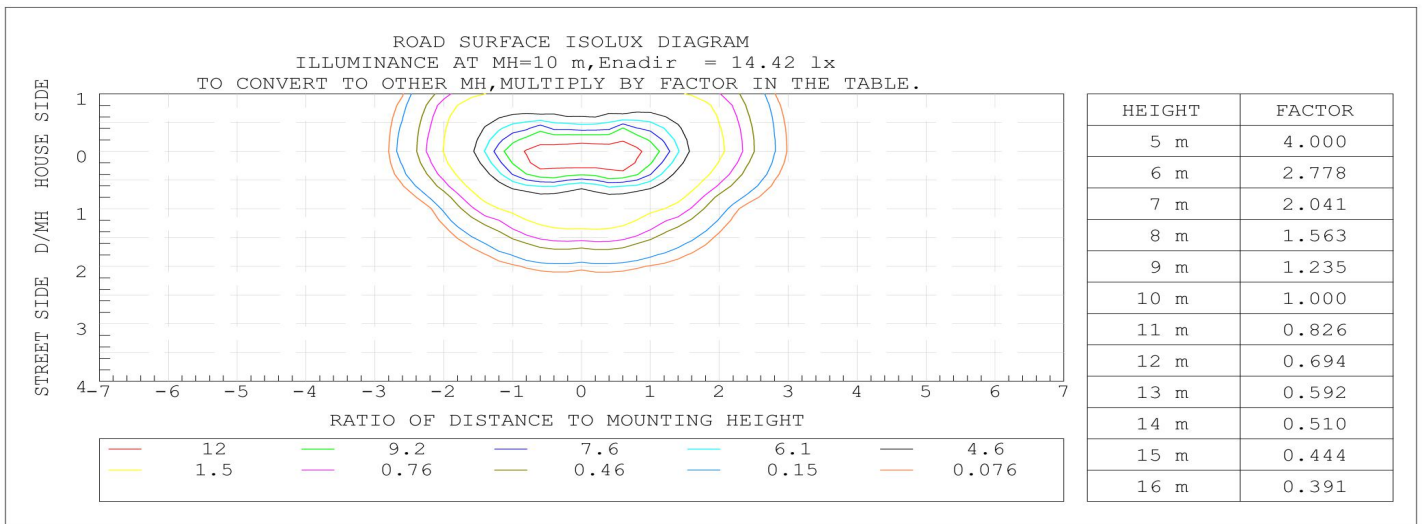
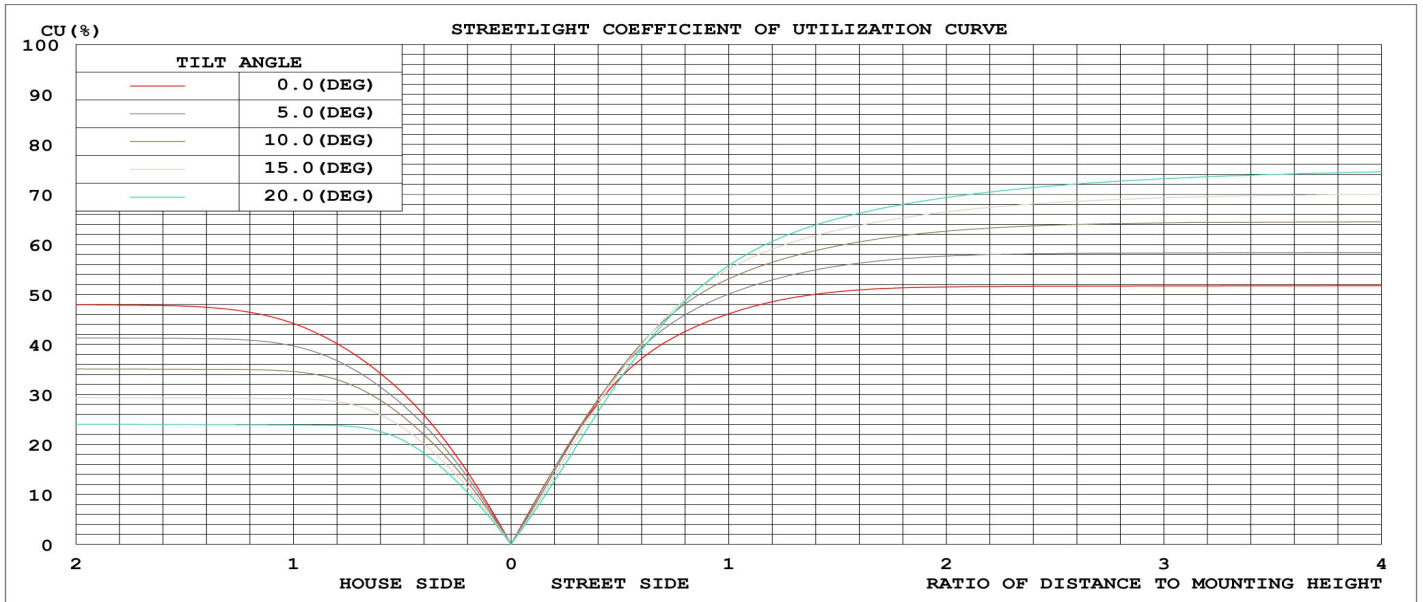
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:4.565cd/klm
 Max.At90:0.4207cd/klm
 Max.80-90:4.565cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3249
90%	2924
80%	2599
70%	2274
60%	1949
50%	1624
40%	1299
30%	975
20%	650
10%	325
5%	162

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3DEG
 Operators: Teddy
 Test Date: 2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.4%
 Test Distance: 26.000m [K=1.3336]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNICON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A

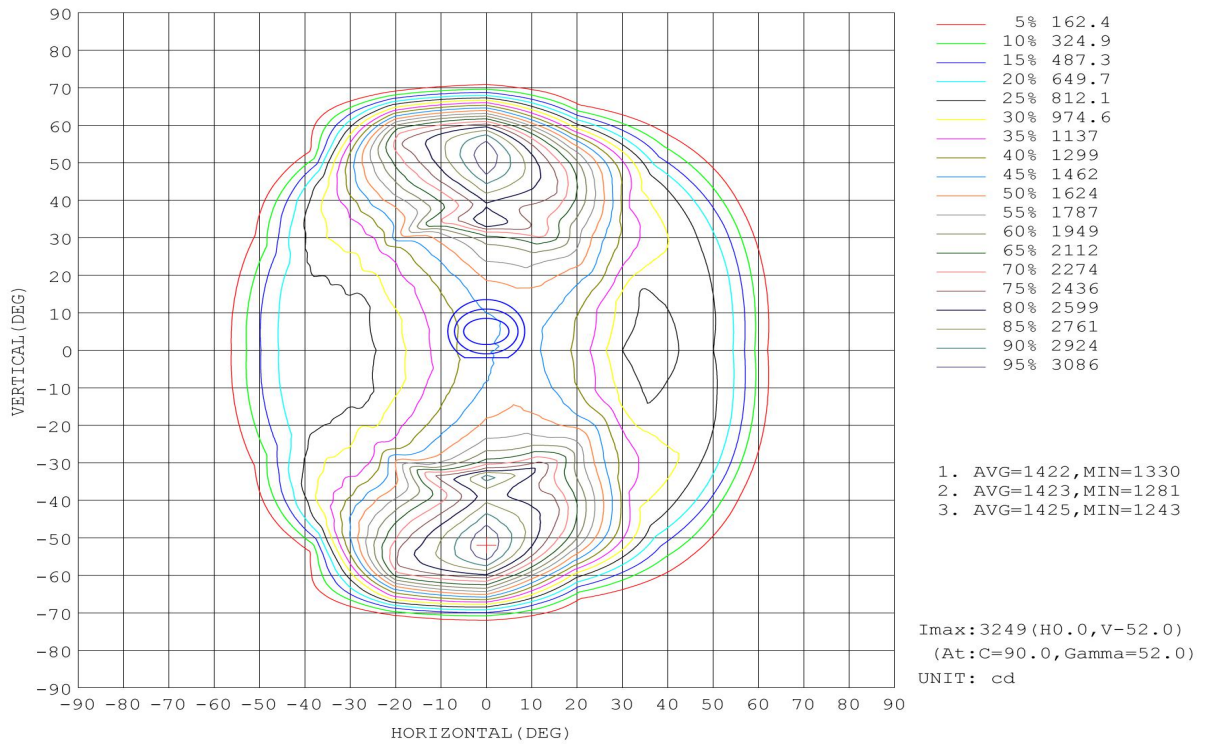
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1487	1521	1481	1292	1200	1286	1464	1533	0- 10	135.1	135.1	2.71,2.71
20	1255	1550	1667	1169	909.4	1171	1669	1556	10- 20	391.4	526.5	10.6,10.6
30	811.7	1673	2208	1089	705.2	1086	2069	1606	20- 30	630.3	1157	23.2,23.2
40	778.9	1402	2729	1111	739.6	1111	2642	1411	30- 40	940.9	2098	42.1,42.1
50	813.9	1035	3224	1178	473.2	1113	3200	1035	40- 50	1181	3279	65.9,65.9
60	269.5	573.9	2580	428.2	25.19	364.8	2512	531.7	50- 60	1168	4447	89.3,89.3
70	33.71	51.08	481.6	22.53	8.422	21.72	242.3	33.98	60- 70	488.6	4936	99.1,99.1
80	14.21	20.91	10.33	8.777	5.077	11.72	12.97	22.72	70- 80	33.14	4969	99.8,99.8
90	1.157	2.094	0	1.092	0	0	0	1.195	80- 90	5.773	4975	99.9,99.9
100	0	0	0	0	0	0	0.3423	0	90-100	0.0536	4975	99.9,99.9
110	0	0	0	0	0.0009	0.4000	2.815	1.329	100-110	0.3211	4975	99.9,99.9
120	0	0	0.8638	0	0.2006	0.4000	3.662	1.806	110-120	0.6776	4976	99.9,99.9
130	0	0.2657	1.809	0.0021	0.2006	0.4000	3.751	1.818	120-130	0.8230	4977	100,100
140	0	0.3329	1.988	0.6097	0.2006	0.4000	1.541	1.423	130-140	0.7204	4977	100,100
150	0	0.3989	1.678	1.115	0.2006	0.4000	1.404	1.221	140-150	0.4914	4978	100,100
160	0.0669	0.4725	0.8712	1.154	0.2006	0.4000	0.9246	1.152	150-160	0.3338	4978	100,100
170	0.0669	0.7334	0.8681	1.267	0.2006	0.4000	0.8904	1.222	160-170	0.1941	4978	100,100
180	0.2006	1.200	1.273	1.357	0.2006	0.3323	0.6702	1.221	170-180	0.0721	4978	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks:

ISOCANDELA DIAGRAM

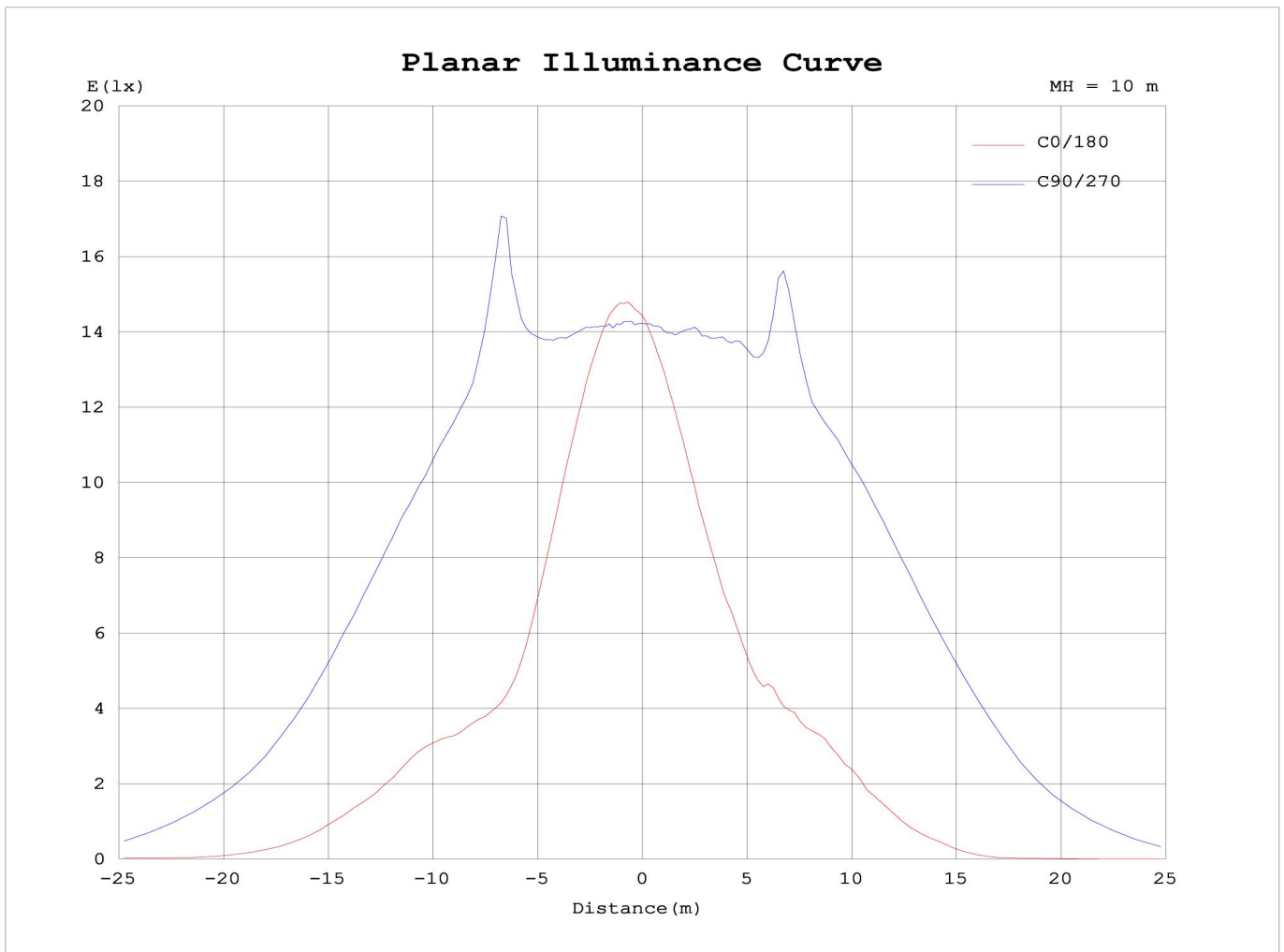
Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks:

Planar Illuminance Curve



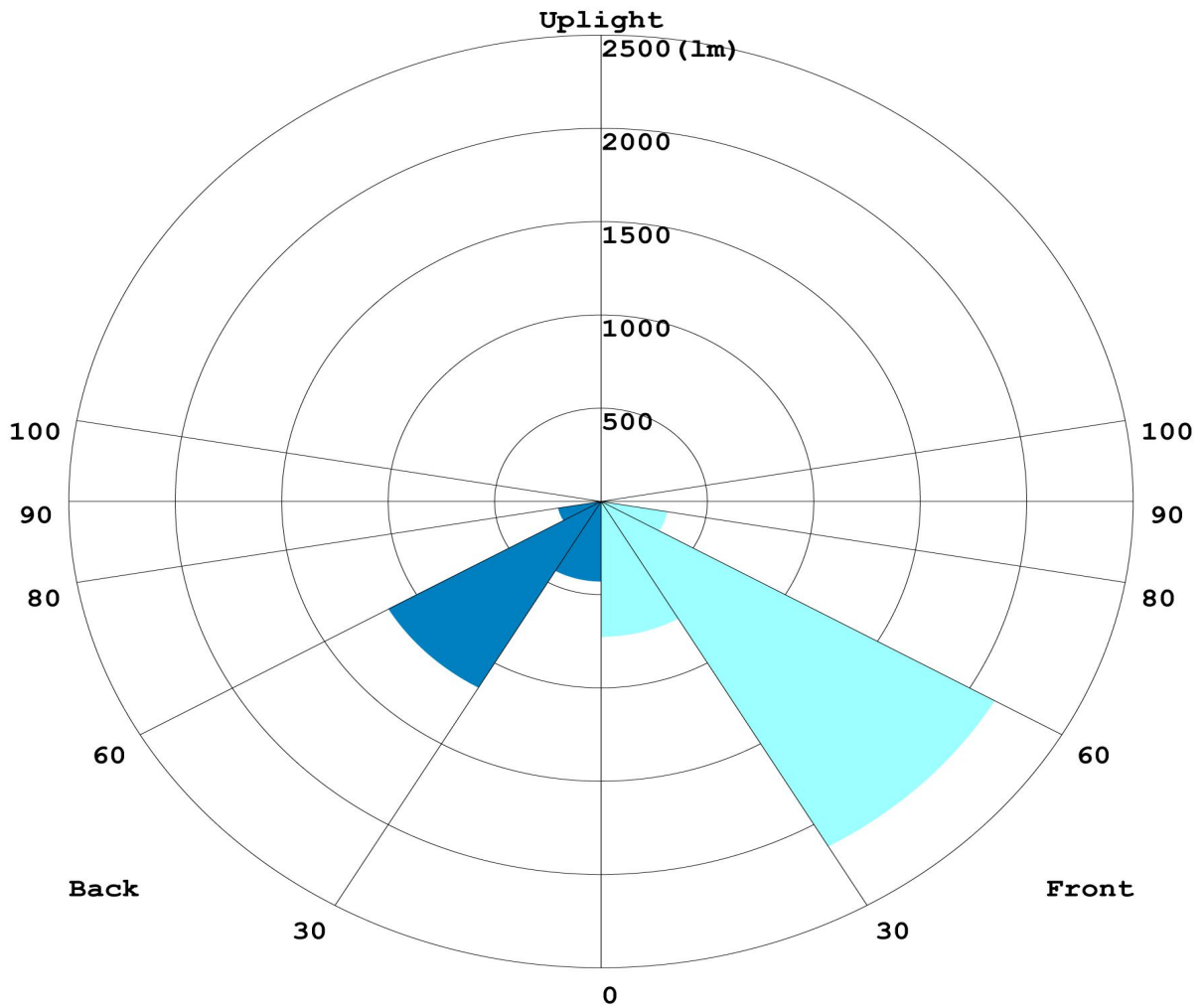
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3DEG
Operators: Teddy
Test Date: 2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.4%
Test Distance: 26.000m [K=1.3336]
Remarks:

LCS REPORT

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks:

BUG REPORT

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	726.96	14.6
FM - Front-Medium(30-60)	2137.6	42.9
FH - Front-High(60-80)	317.28	6.4
FVH - Front-Very High(80-90)	3.8369	0.1
Total Forward Light	3188.4	64.0

BL - Back-Low(0-30)	429.82	8.6
BM - Back-Medium(30-60)	1152.8	23.2
BH - Back-High(60-80)	204.43	4.1
BVH - Back-Very High(80-90)	1.9366	0.0
Total Back Light	1790	36.0

UL - Uplight-Low(90-100)	0.053575	0.0
UH - Uplight-High(100-180)	3.6335	0.1
Total Up Light	3.6871	0.1

BUG(Back,Up,Glare) Rating	B2-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1789	0.99381	1790
Street Side	3185.7	2.6933	3188.4

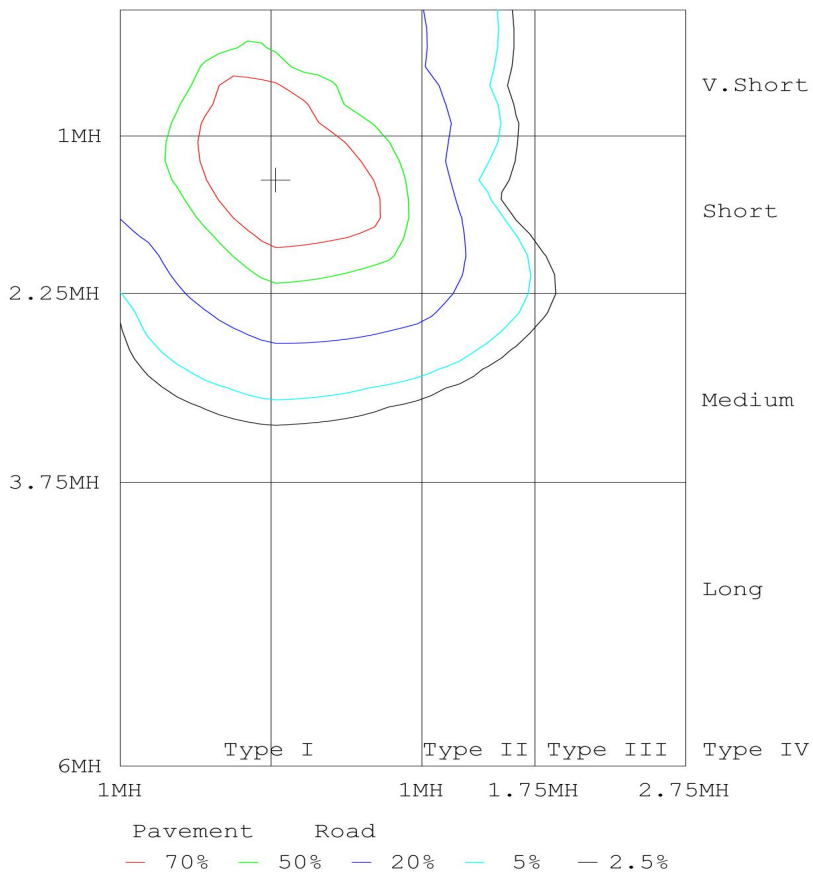
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3DEG
Operators:Teddy
Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:65.4%
Test Distance:26.000m [K=1.3336]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:4.160A P:50.00W PF:1.000 Freq:0Hz Lamp Flux:4978.38x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	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	1442	1442	1431	1441	1423	1429	1437	1429	1442	1442	1431	1441	1423	1429	1437	1429			
5	1492	1497	1494	1479	1444	1396	1364	1329	1335	1338	1358	1388	1429	1435	1482	1477			
10	1487	1499	1521	1531	1481	1396	1292	1198	1200	1215	1286	1369	1464	1490	1533	1474			
15	1407	1442	1552	1621	1567	1404	1234	1079	1047	1101	1225	1392	1558	1583	1543	1434			
20	1255	1325	1550	1687	1667	1429	1169	957	909	979	1171	1413	1669	1690	1556	1326			
25	1043	1180	1558	1829	1853	1500	1132	856	795	889	1135	1479	1846	1822	1557	1190			
30	812	1024	1673	2233	2208	1609	1089	761	705	769	1086	1569	2069	2098	1606	1017			
35	731	867	1567	2482	2909	2374	1168	771	721	780	1103	2109	2742	2346	1525	849			
40	779	839	1402	2414	2729	1977	1111	767	740	768	1111	1844	2642	2351	1411	824			
45	872	903	1232	2469	3001	2158	1183	730	674	756	1142	2044	2962	2434	1255	875			
50	814	952	1035	2292	3224	2356	1178	537	473	567	1113	2230	3200	2320	1035	893			
55	612	756	872	1900	3169	2501	965	277	236	276	919	2381	3130	1931	886	730			
60	269	447	574	1217	2580	2400	428	56.0	25.2	50.5	365	2254	2512	1198	532	437			
65	59.1	123	251	469	1655	1571	73.1	16.9	11.1	17.8	72.3	1295	1369	388	201	120			
70	33.7	22.7	51.1	48.3	482	519	22.5	9.93	8.42	12.8	21.7	218	242	32.2	34.0	24.2			
75	26.0	16.3	27.3	14.4	28.6	21.6	17.0	16.1	6.75	11.8	17.9	19.6	36.7	14.3	25.2	16.2			
80	14.2	11.8	20.9	8.17	10.3	7.86	8.78	22.3	5.08	20.4	11.7	8.46	13.0	8.78	22.7	10.9			
85	8.39	8.04	7.14	3.53	2.06	2.05	2.19	3.36	1.00	4.29	1.97	2.38	3.52	4.34	6.87	7.15			
90	1.16	1.76	2.09	1.21	0.00	0.27	1.09	0.01	0.00	0.00	0.00	0.00	0.00	0.86	1.19	0.72			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.75	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.34	1.74	2.02	0.61	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.40	1.47	2.82	2.44	1.33	0.41			
115	0.07	0.00	0.00	0.00	0.33	0.07	0.00	0.00	0.27	0.20	0.40	1.74	3.28	2.55	1.43	0.60			
120	0.00	0.00	0.00	0.27	0.86	0.23	0.00	0.00	0.20	0.20	0.40	2.14	3.66	2.65	1.81	0.60			
125	0.00	0.07	0.00	0.79	1.27	0.32	0.00	0.00	0.20	0.20	0.40	2.36	3.96	2.59	1.87	0.60			
130	0.00	0.27	0.27	1.20	1.81	0.81	0.00	0.00	0.20	0.20	0.40	2.39	3.75	2.35	1.82	0.60			
135	0.00	0.33	0.30	1.26	1.90	1.21	0.38	0.00	0.20	0.20	0.40	2.04	2.55	1.80	1.76	0.60			
140	0.00	0.33	0.33	1.24	1.99	1.20	0.61	0.00	0.20	0.20	0.40	1.34	1.54	1.34	1.42	0.60			
145	0.00	0.33	0.37	1.22	2.08	1.17	0.67	0.00	0.20	0.20	0.40	1.17	1.42	1.34	1.35	0.60			
150	0.00	0.33	0.40	1.21	1.68	1.14	1.12	0.07	0.20	0.20	0.40	1.12	1.40	1.14	1.22	0.87			
155	0.00	0.33	0.43	0.94	1.17	1.11	1.15	0.07	0.20	0.20	0.40	1.09	1.00	0.94	1.15	1.16			
160	0.07	0.33	0.47	0.76	0.87	1.08	1.15	0.07	0.20	0.20	0.40	1.08	0.92	0.89	1.15	1.20			
165	0.07	0.33	0.56	0.71	0.79	0.94	1.18	0.20	0.20	0.20	0.40	1.08	0.91	0.94	1.15	1.24			
170	0.07	0.33	0.73	0.69	0.87	0.88	1.27	0.20	0.20	0.20	0.40	1.08	0.89	1.07	1.22	1.28			
175	0.20	0.33	0.78	0.67	1.23	1.14	1.34	0.20	0.20	0.20	0.40	1.07	0.87	1.22	1.22	1.33			
180	0.20	0.33	1.20	0.67	1.27	1.15	1.36	0.20	0.20	0.20	0.33	1.14	0.67	1.28	1.22	1.34			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3DEG
 Operators:Teddy
 Test Date:2016-01-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.4%
 Test Distance:26.000m [K=1.3336]
 Remarks: