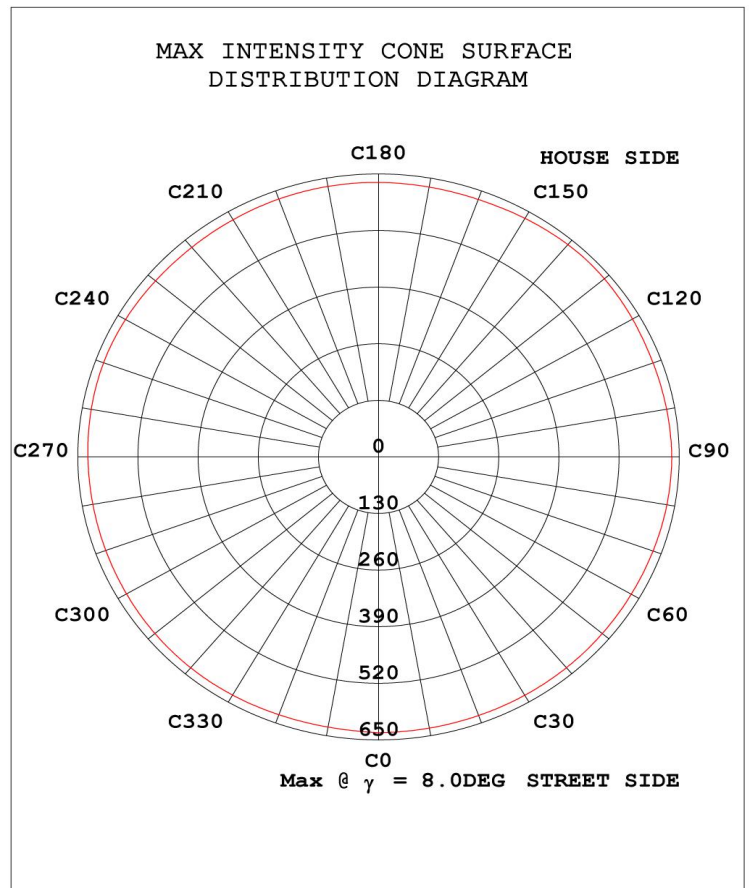
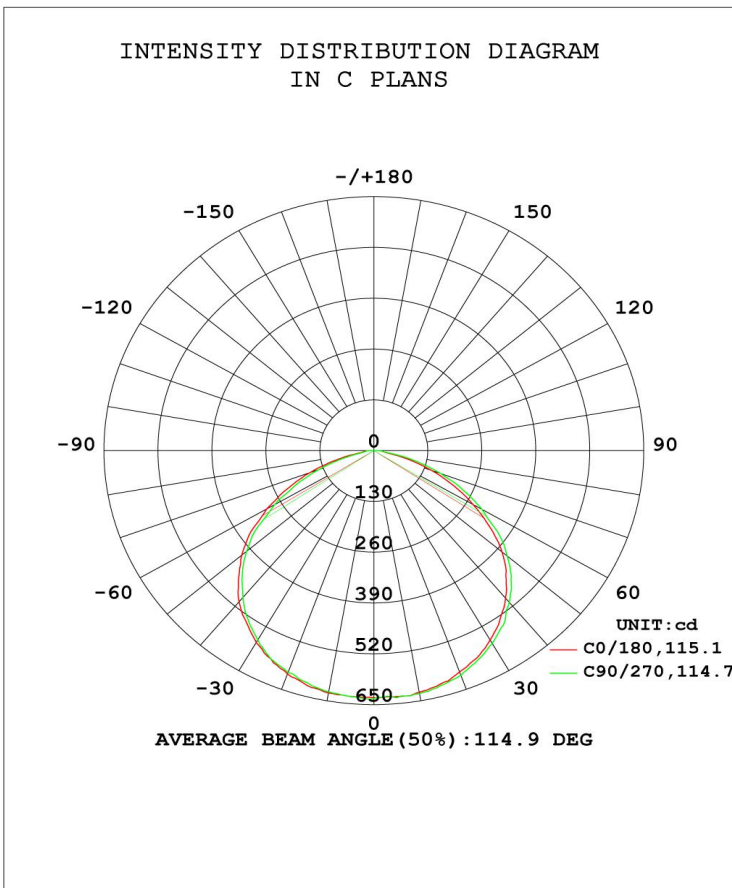


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.09 lm/W			
MODEL	MP-SIL015	I _{max} (cd)	637.7	η street_up (%)	0.0
NOMINAL POWER (W)	15	LOR (%)	100.0	η street_down (%)	55.7
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	1846	η house_up (%)	0.0
NOMINAL FLUX (lm)	1846.35	MAXIMUM @ (C, γ)	135,8.0	η house_down (%)	44.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	12	η down (%)	100.0	SLI	15.539

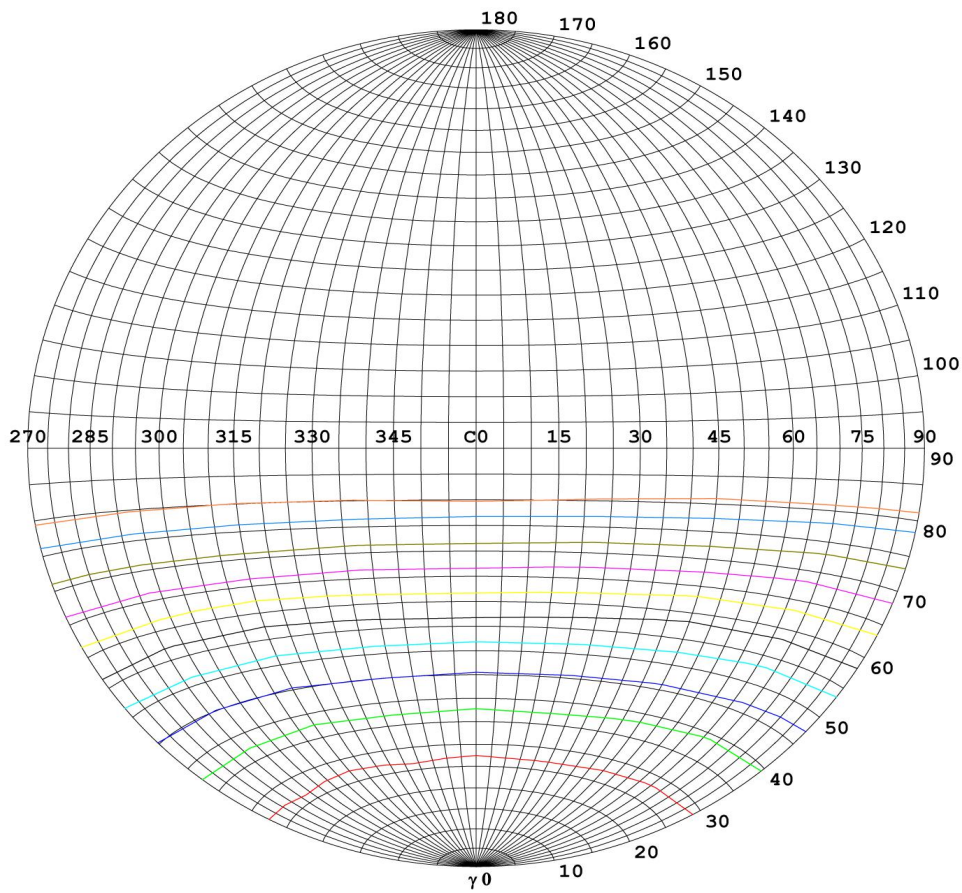


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Teddy
 Test Date: 2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3166]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light Source: LED	WEIGHT: N/A
SPEC.: N/A	DIM.: 0.6*0.35	SERIAL No.: N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.: φ0.1	Shielding Angle: N/A



Classification:

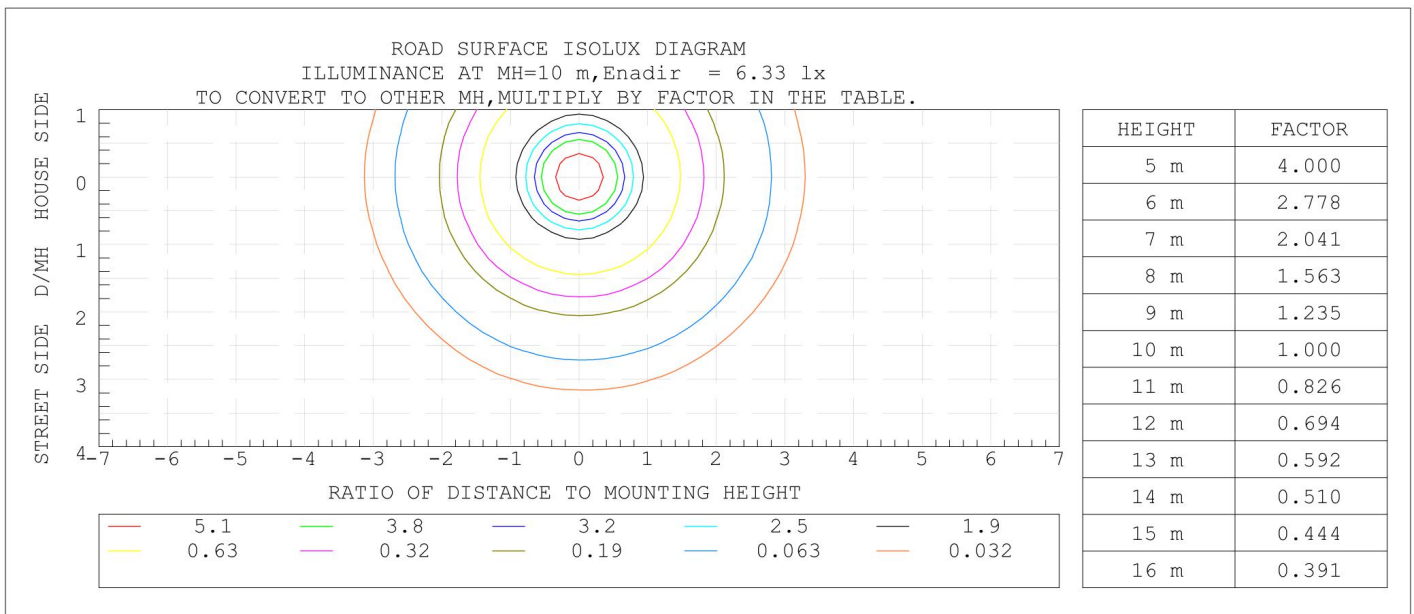
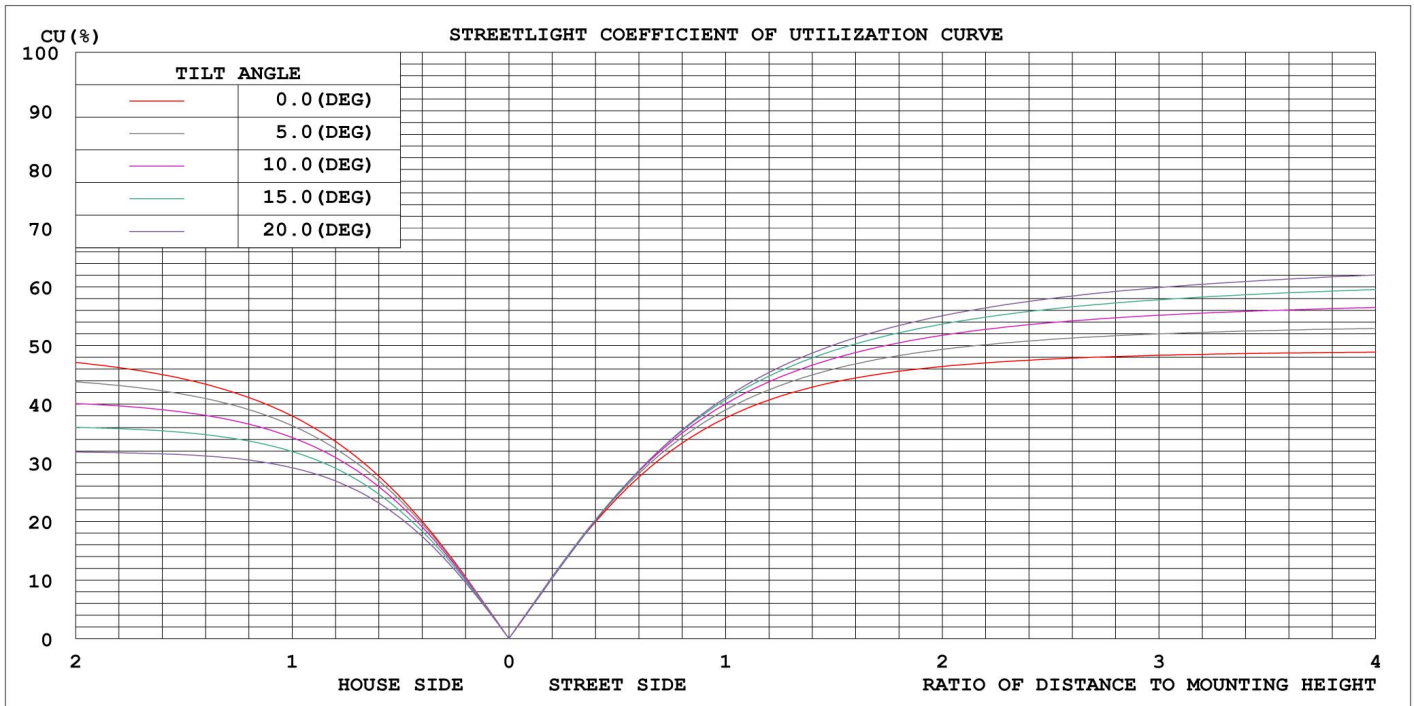
IES: Type V - Very Short
 CIE: Narrow - Short
 IES: Cut-off
 CIE: Full cut-off
 Max. At 80: 25.26cd/klm
 Max. At 90: 5.728cd/klm
 Max. 80-90: 25.26cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	638
90%	574
80%	510
70%	446
60%	383
50%	319
40%	255
30%	191
20%	128
10%	64
5%	32

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Teddy
 Test Date: 2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3166]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Teddy
 Test Date: 2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3166]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	Shielding Angle:N/A

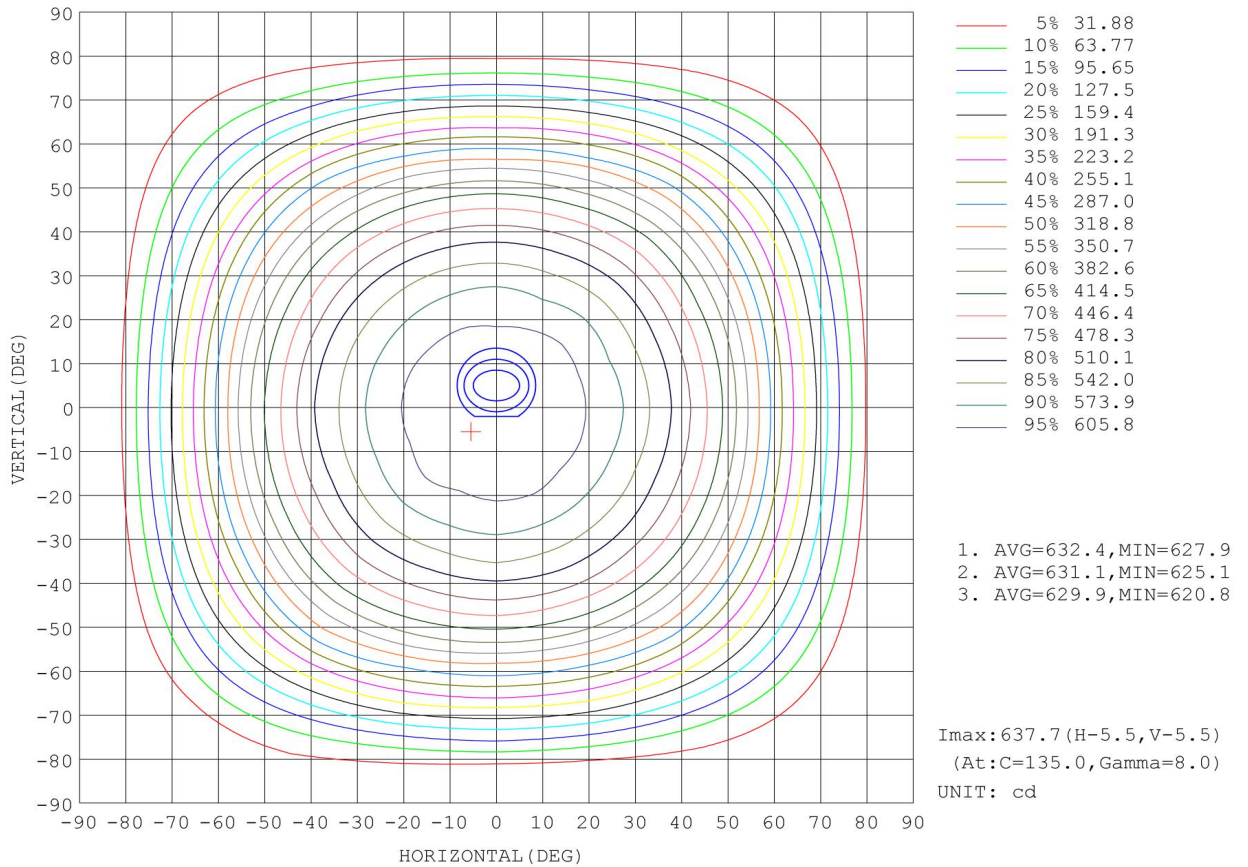
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	627.9	629.0	631.5	633.0	629.6	625.8	626.9	630.9	0- 10	60.28	60.28	3.26,3.26
20	603.0	604.5	611.9	610.6	608.3	604.5	604.5	605.9	10- 20	175.1	235.4	12.7,12.7
30	560.1	561.0	569.9	569.5	566.9	560.0	559.2	560.9	20- 30	270.6	506.0	27.4,27.4
40	493.2	496.7	507.1	506.2	505.4	494.8	491.1	492.0	30- 40	333.3	839.3	45.5,45.5
50	403.1	410.3	419.0	423.6	415.5	404.3	399.8	402.8	40- 50	351.3	1191	64.5,64.5
60	275.8	297.6	300.4	314.4	297.7	292.5	275.3	284.7	50- 60	314.6	1505	81.5,81.5
70	147.6	158.6	171.6	171.7	162.0	144.8	138.7	141.1	60- 70	220.6	1726	93.5,93.5
80	29.57	38.60	41.85	46.64	38.85	33.83	27.58	32.16	70- 80	96.35	1822	98.7,98.7
90	3.324	5.948	6.398	8.207	10.58	8.570	3.586	6.191	80- 90	23.24	1845	100,100
100	0	0	0	0	0.0657	0.0657	0.0658	0.0673	90-100	0.5893	1846	100,100
110	0	0	0	0	0.0657	0.1314	0.0658	0.1987	100-110	0.0560	1846	100,100
120	0	0	0	0	0.0657	0.1314	0.0658	0.1325	110-120	0.0525	1846	100,100
130	0	0	0	0	0.0657	0.1314	0.0658	0.1325	120-130	0.0517	1846	100,100
140	0	0	0	0	0.0657	0.1314	0.0658	0.1325	130-140	0.0446	1846	100,100
150	0	0	0	0	0.0657	0.1314	0.1973	0.0662	140-150	0.0383	1846	100,100
160	0	0	0	0	0.0657	0.1314	0.1973	0.0662	150-160	0.0287	1846	100,100
170	0.0634	0.0634	0	0	0.0657	0.0657	0.1973	0	160-170	0.0185	1846	100,100
180	0	0.1314	0.0658	0.0662	0.0657	0	0.1315	0	170-180	0.0064	1846	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Teddy
 Test Date:2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.7%
 Test Distance:26.000m [K=1.3166]
 Remarks:

ISOCANDELA DIAGRAM

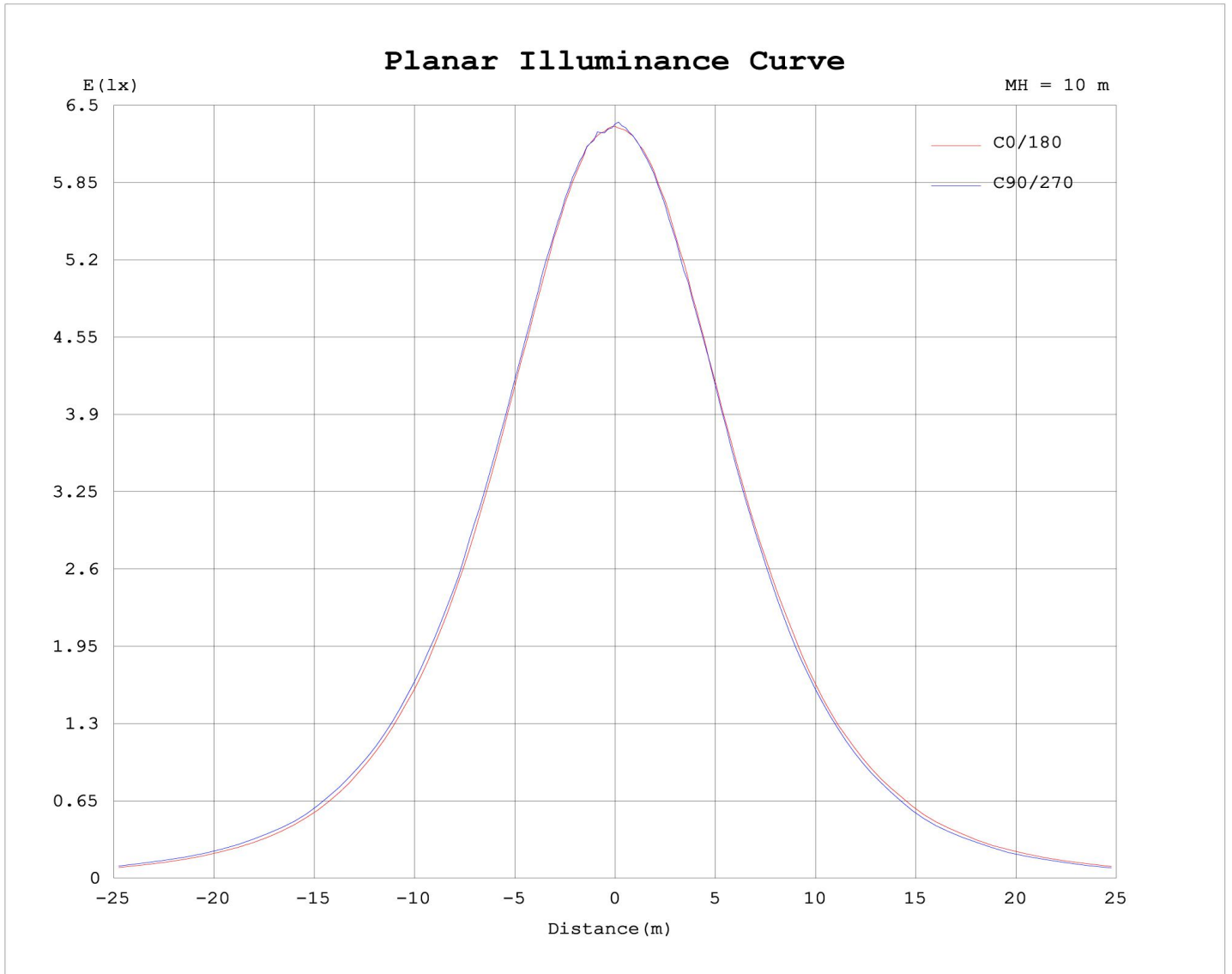
Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light: LED	WEIGHT: N/A
SPEC.: N/A	DIM.: 0.6*0.35	SERIAL No.: N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.: φ0.1	Shielding Angle: N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: Teddy
 Test Date: 2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3166]
 Remarks:

Planar Illuminance Curve



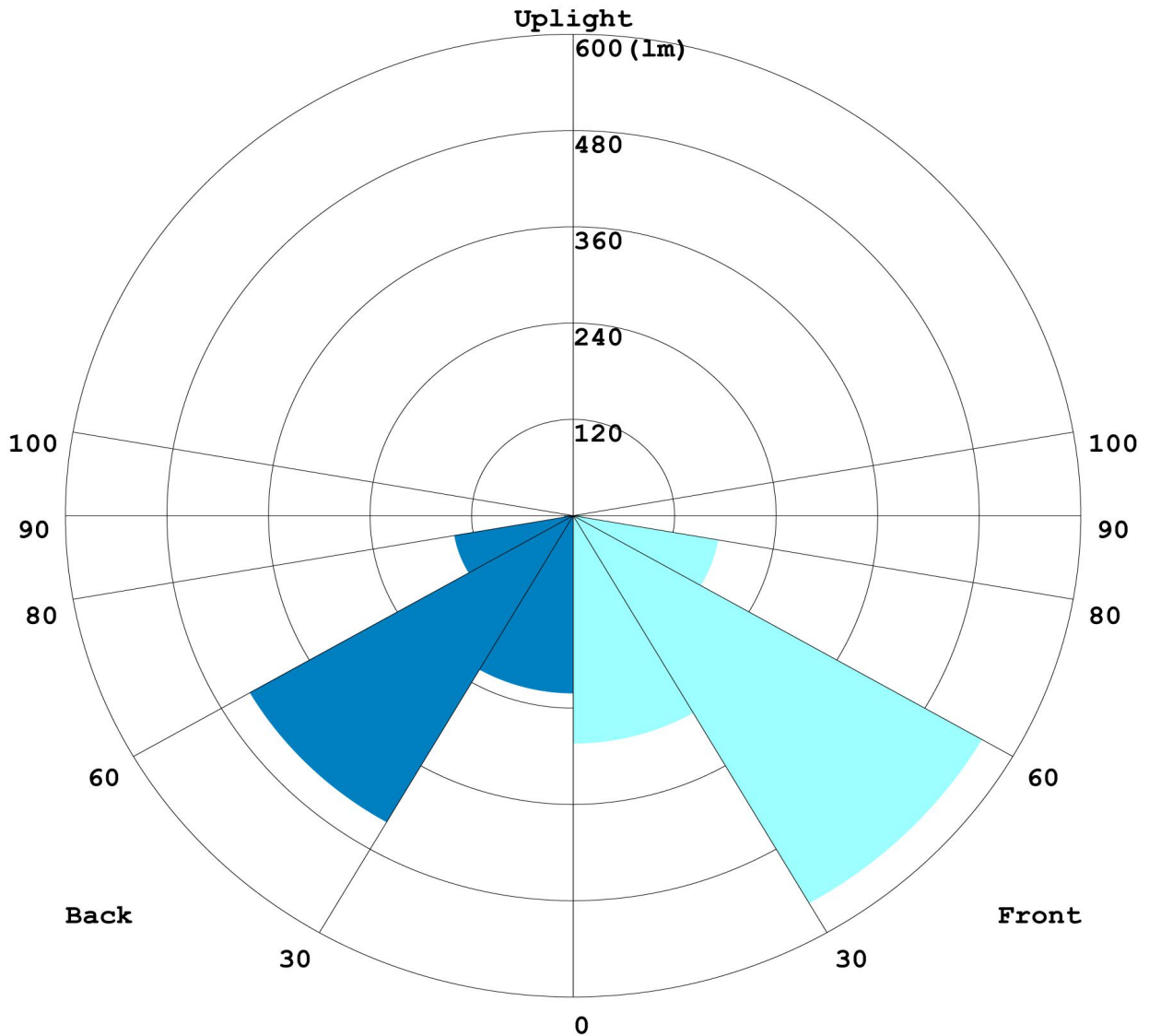
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Teddy
Test Date: 2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 65.7%
Test Distance: 26.000m [K=1.3166]
Remarks:

LCS REPORT

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Teddy
 Test Date:2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.7%
 Test Distance:26.000m [K=1.3166]
 Remarks:

BUG REPORT

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	284.21	15.4
FM - Front-Medium(30-60)	558.1	30.2
FH - Front-High(60-80)	174.35	9.4
FVH - Front-Very High(80-90)	12.6	0.7
Total Forward Light	1029.7	55.8

BL - Back-Low(0-30)	221.75	12.0
BM - Back-Medium(30-60)	441.17	23.9
BH - Back-High(60-80)	142.64	7.7
BVH - Back-Very High(80-90)	10.64	0.6
Total Back Light	816.68	44.2

UL - Uplight-Low(90-100)	0.58929	0.0
UH - Uplight-High(100-180)	0.29666	0.0
Total Up Light	0.88594	0.0

BUG (Back, Up, Glare) Rating	B1-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	816.19	0.48866	816.68
Street Side	1029.3	0.39728	1029.7

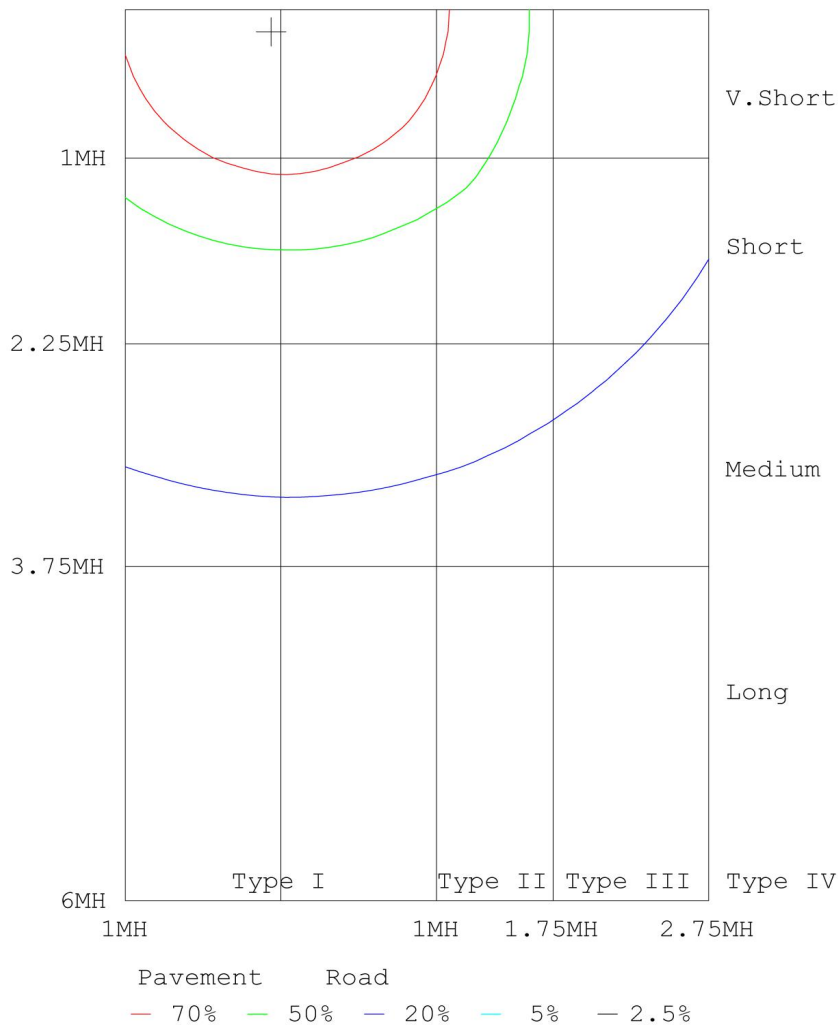
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Teddy
 Test Date:2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.7%
 Test Distance:26.000m [K=1.3166]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Teddy
 Test Date:2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.7%
 Test Distance:26.000m [K=1.3166]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.00V I:1.250A P:15.00W PF:1.000 Freq:0Hz Lamp Flux:1846.35x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.: 0.6*0.35	SERIAL No.:N/A
MFR.: MAGNIZON POWER SYSTEMS FZE	SUR.:φ0.1	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	632	633	631	633	634	631	636	631	632	633	631	633	634	631	636	631			
5	632	634	632	633	635	631	637	631	632	633	632	636	632	631	637	630			
10	628	630	629	632	631	629	633	628	630	628	626	629	627	625	631	624			
15	618	620	619	622	622	620	626	623	622	619	618	618	616	618	621	616			
20	603	605	604	609	612	607	611	607	608	606	604	604	605	603	606	603			
25	586	585	585	592	592	591	592	589	588	586	585	585	588	582	585	580			
30	560	558	561	565	570	567	570	567	567	563	560	562	559	558	561	557			
35	529	527	532	538	544	539	541	536	536	534	529	529	528	527	530	528			
40	493	494	497	502	507	504	506	502	505	498	495	494	491	489	492	489			
45	450	453	456	460	468	466	469	462	461	455	453	451	448	447	450	446			
50	403	404	410	415	419	420	424	416	415	408	404	402	400	400	403	398			
55	341	348	358	361	365	370	370	360	362	354	350	350	342	343	348	342			
60	276	284	298	295	300	300	314	300	298	294	293	279	275	273	285	279			
65	212	220	229	233	235	238	241	234	229	223	217	209	208	206	212	215			
70	148	153	159	166	172	171	172	168	162	155	145	143	139	141	141	146			
75	84.2	87.5	92.2	101	106	104	102	100	97.8	87.6	80.8	78.0	78.2	76.4	78.7	80.7			
80	29.6	33.6	38.6	39.7	41.9	45.4	46.6	38.2	38.9	36.9	33.8	30.7	27.6	30.3	32.2	32.4			
85	20.6	21.9	22.8	20.6	20.8	21.9	24.9	21.1	23.4	23.0	22.2	20.2	19.2	20.5	21.9	21.5			
90	3.32	4.68	5.95	5.42	6.40	4.55	8.21	9.81	10.6	10.5	8.57	4.42	3.59	4.30	6.19	5.03			
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	0.06	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.20	0.07	0.07			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.07	0.07	0.13	0.20	0.13			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.07	0.07	0.13	0.20	0.13			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.07	0.07	0.13	0.26	0.13			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.07	0.07	0.13	0.13	0.13			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.07	0.13	0.13	0.13			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.07	0.13	0.13	0.13			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.07	0.13	0.13	0.13			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.07	0.13	0.13	0.13			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.13	0.13	0.13	0.13			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.20	0.13	0.07	0.13			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.20	0.13	0.07	0.13			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.20	0.13	0.07	0.13			
165	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.07	0.07	0.13	0.20	0.20	0.13	0.07	0.13			
170	0.06	0.00	0.06	0.07	0.00	0.00	0.00	0.00	0.07	0.07	0.07	0.20	0.20	0.13	0.00	0.13			
175	0.00	0.00	0.13	0.20	0.00	0.00	0.07	0.00	0.07	0.07	0.00	0.20	0.13	0.13	0.00	0.13			
180	0.00	0.00	0.13	0.13	0.07	0.00	0.07	0.07	0.07	0.00	0.00	0.13	0.13	0.13	0.00	0.06			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Teddy
 Test Date:2016-03-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
 Humidity:65.7%
 Test Distance:26.000m [K=1.3166]
 Remarks: