

LED SOLAR LIGHTS

Apollo Series Remote Control 4500 Lumens All In One Solar Street Light

FEATURES

- Smart Remote Functionality - programmable lighting modes to satisfy most applications
- Adaptive Lighting System to achieve full night lighting if the weather changes, this is known as constant current output
- Variable Frequency Technology controls and adjusts the LED driver frequency to reach the max output of LED and Battery
- Temperature Control Systems to Protect the battery charging and discharging in high temperatures
- 10 hours for a full charge battery by standard sunlight. Once the battery is fully charged, it can support 3 nights of lighting.
- SC Seoul LED Chips - 160 lumens/w (40 LED Chips)

Note: The pole is not included.

This product does include the mounting hardware.

Lighting Mode

3 different lighting modes

- 1 Constant Brightness for allotted time
- 2 Dim lighting + motion sensor mode
- 3 Timer lighting mode where the light is programmable for a certain time limit

Preset Lighting Modes in More Detail:

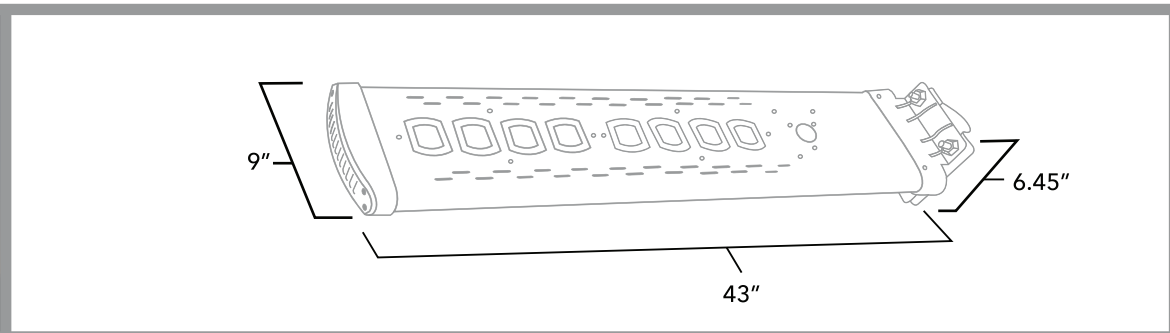
M1 10% brightness + PIR (full brightness for 30 seconds) for 12 hours - once you click on this mode, it will stay in M1 until the setting is changed.

M2 Initial default setting mode: 0hrs of brightness + PIR (full brightness for 30 seconds) for 12 hours. This will stay in M2 until the setting is changed.

Lighting Mode Via Controller

- a. You can choose different brightness for whole night 10%, 30%, 60%, 100%. (Not recommended since the 100% lighting mode of full brightness can use the entire battery in 1 night)
- b. You can choose different brightnesses and time 1/2/3/4/6*/8* hours (ex. 30% for 4 hours) - once the selected mode is completed, it will automatically initiate M2 for the remainder of the night. This mode has a memory function, therefore it will keep same light every night until you change it to another mode.

*To access 6 and 8 hours, simply move the switch from OFF to ON next to the batteries on the back of the remote, under the protective cap. If switched to "ON", T1 = 2hrs, T2 = 4hrs, T3 = 6hrs, T4 = 8hrs.



SKU	GT07ST	SOLAR CHARGING TIME	9 to 10 hours	WATERPROOF	IP 65
CERTIFICATION	CE, ROHS, FCC, BV, BSCI, ISO	COLOR	6000K	SIZE	43" x 9" x 6.45"
LUMENS	2700K-6500K 4500 Lumens 80 LEDs	SOLAR PANEL	22.7W 14V	WARRANTY	1 Year
INSTALL HEIGHT	15-30ft	MATERIAL	Aluminium alloy + tempered glass	LI-ION BATTERY	144.3WH 11.1V

LED SOLAR LIGHTS

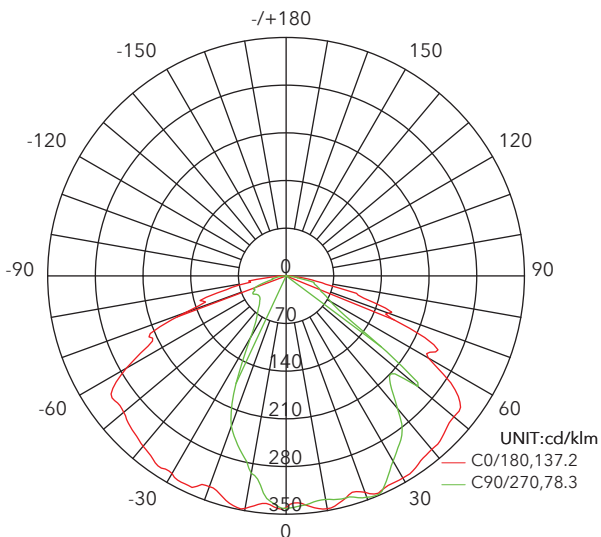
GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

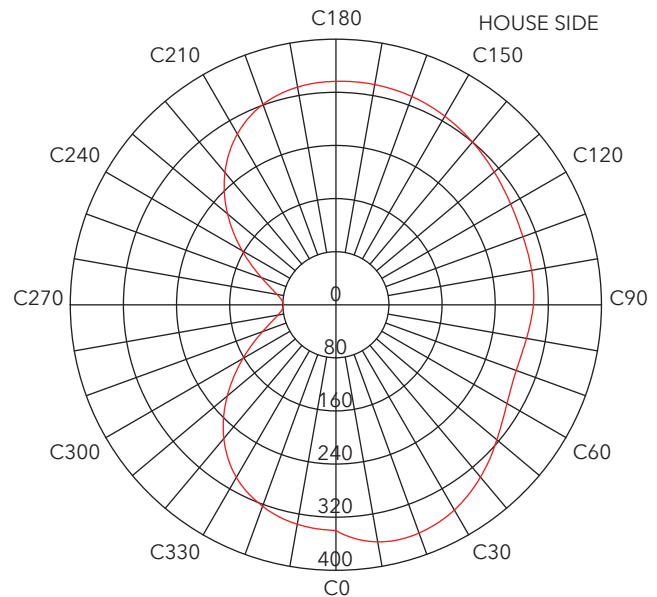
Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SSL-07R	I _{max} (cd/klm)	364.4	η _{street_up} (%)	0.0
NOMINAL POWER(W)		LOR(%)	100.0	η _{street_down} (%)	54.0
RATED VOLTAGE(V)		TOTAL FLUX(lm/klm)	1000.0	η _{house_up} (%)	0.1
NOMINAL FLUX(lm)	4815.39	MAXIMUM @(C,γ)	23,34.0	η _{house_down} (%)	46.0
LAMPS INSIDE	1	η _{up} (%)	0.1	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η _{down} (%)	99.9	SLI	16.980

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators: Kai
 Test Date: 2017-02-14

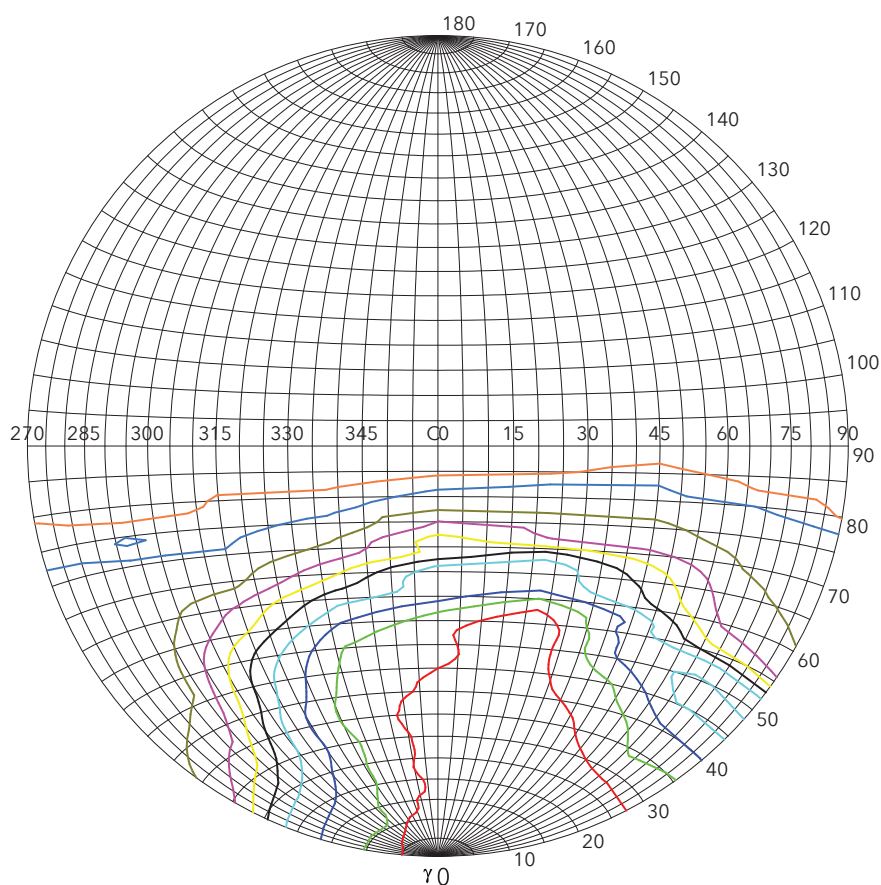
γRange: 0 - 180DEG
 γInterval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.4372]
 Remarks:

LED SOLAR LIGHTS

GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A



Classification:

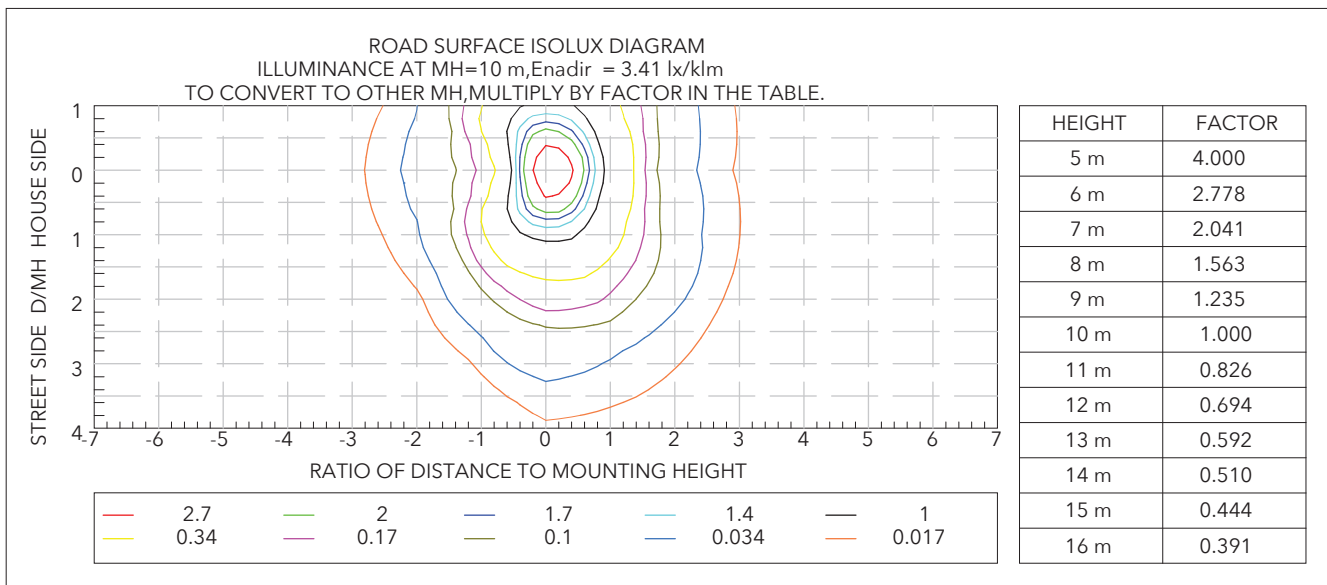
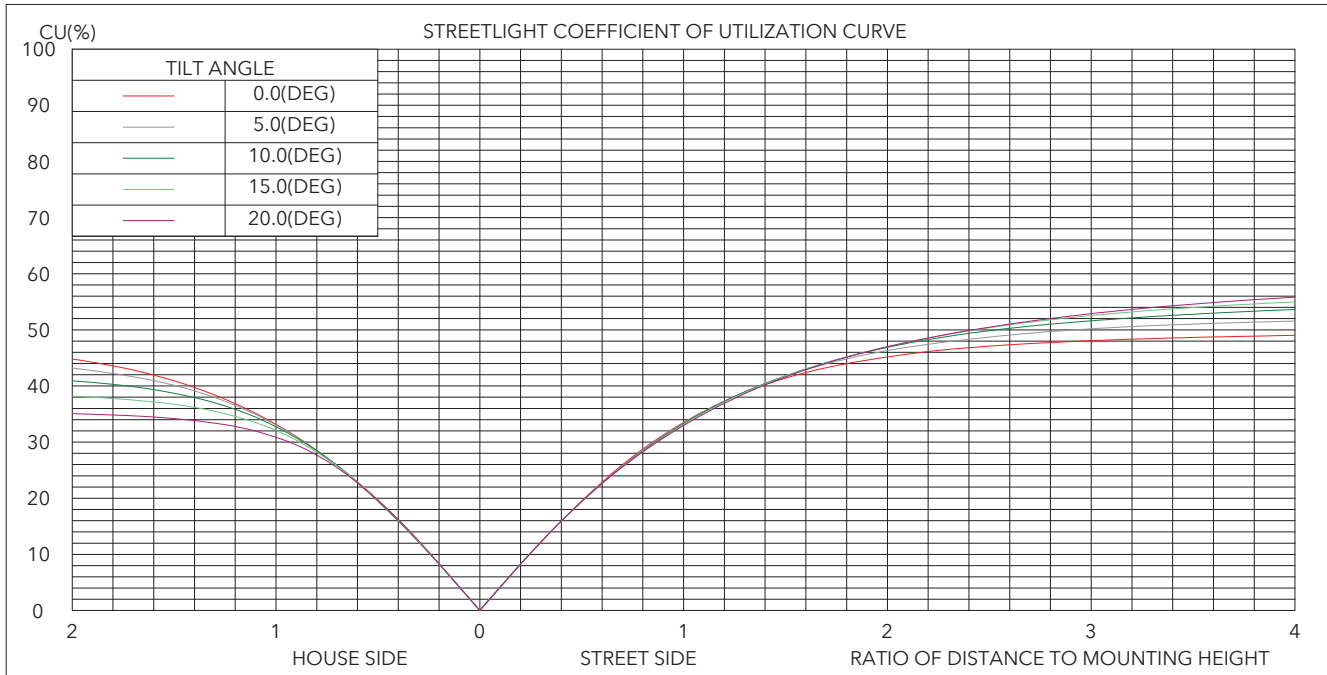
IES:Type III - Very Short
 CIE:Average - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:54.21cd/klm
 Max.At90:10.77cd/klm
 Max.80-90:55.61cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	364
— 90%	328
— 80%	292
— 70%	255
— 60%	219
— 50%	182
— 40%	146
— 30%	109
— 20%	73
— 10%	36
— 5%	18

LED SOLAR LIGHTS

GONIOPHOTOMETERS SYSTEM TEST REPORT

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



LED SOLAR LIGHTS

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

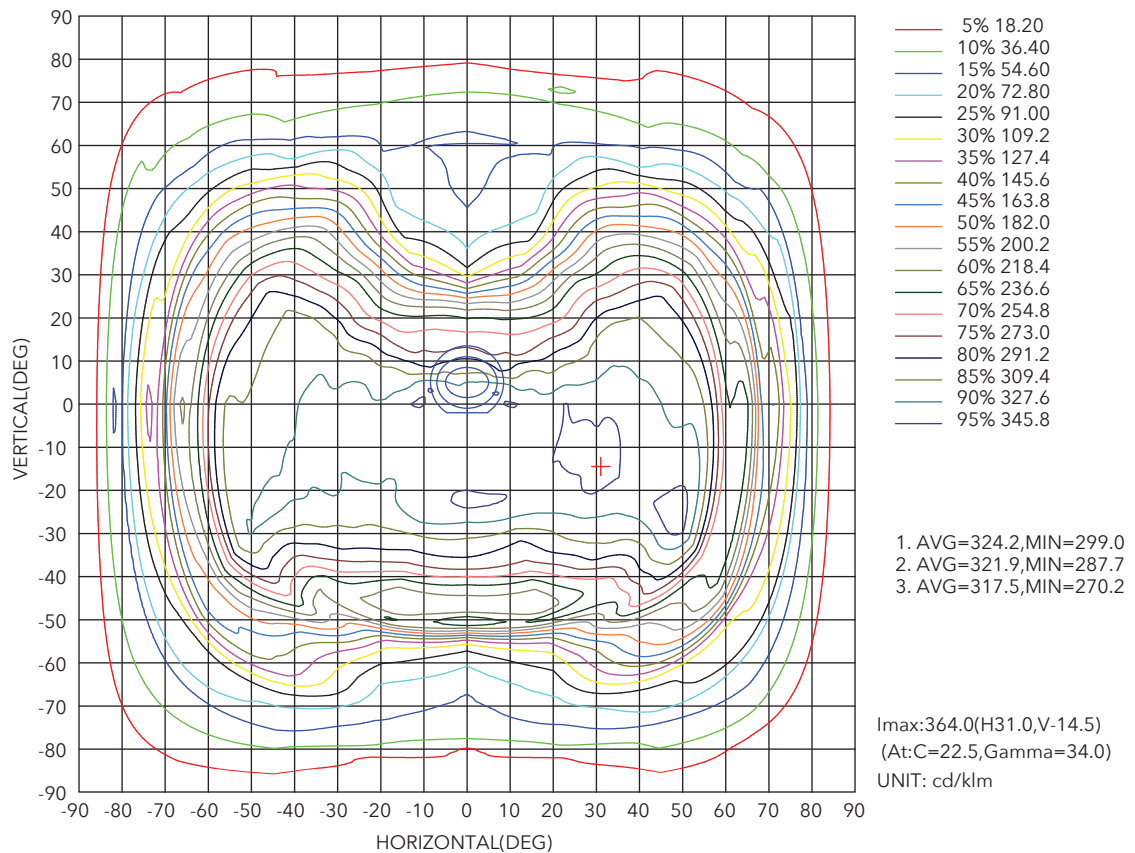
Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	347.2	343.2	333.4	341.0	346.6	307.4	294.6	297.2	0- 10	31.73	31.73	3.17, 3.17
20	338.1	340.1	345.9	334.2	329.4	260.3	235.1	260.9	10- 20	89.19	120.9	12.1, 12.1
30	342.8	337.6	314.1	322.4	335.0	239.1	104.5	239.4	20- 30	137.0	257.9	25.8, 25.8
40	332.6	315.7	254.6	302.9	326.6	228.7	63.89	225.2	30- 40	168.7	426.6	42.7, 42.7
50	321.8	255.4	252.8	233.8	311.4	202.6	50.45	192.0	40- 50	184.6	611.1	61.1, 61.1
60	241.0	211.5	75.50	191.1	270.8	124.5	53.97	113.7	50- 60	180.7	791.8	79.2, 79.2
70	160.3	122.6	50.38	129.5	156.9	46.87	46.78	40.31	60- 70	126.6	918.5	91.8, 91.8
80	44.66	43.76	16.79	53.02	53.00	18.16	15.59	18.81	70- 80	64.11	982.6	98.3, 98.3
90	3.397	5.522	0.0089	8.430	7.819	2.103	0	0.8582	80- 90	16.61	999.2	99.9, 99.9
100	0	0	0	0	0.1148	0	0	0	90- 100	0.5457	999.7	100, 100
110	0	0	0	0	0.1723	0.1740	0	0.1721	100- 110	0.0430	999.8	100, 100
120	0	0	0	0	0.1723	0.1740	0	0.1721	110- 120	0.0465	999.8	100, 100
130	0	0	0	0	0.1723	0.1740	0	0.1721	120- 130	0.0498	999.9	100, 100
140	0	0	0	0	0.1723	0.1740	0	0.1721	130- 140	0.0446	999.9	100, 100
150	0	0	0	0	0.1723	0.1160	0.0574	0.1147	140- 150	0.0337	1000.0	100, 100
160	0.1148	0	0	0	0.1723	0.1160	0.0574	0.1147	150- 160	0.0250	1000.0	100, 100
170	0.1148	0	0	0	0.1148	0.1150	0.0574	0.1147	160- 170	0.0161	1000.0	100, 100
180	0.1148	0.1160	0	0.0574	0.0574	0.0580	0	0.0574	170- 180	0.0054	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT:lm/klm		

LED SOLAR LIGHTS GONIOPHOTOMETERS SYSTEM TEST REPORT

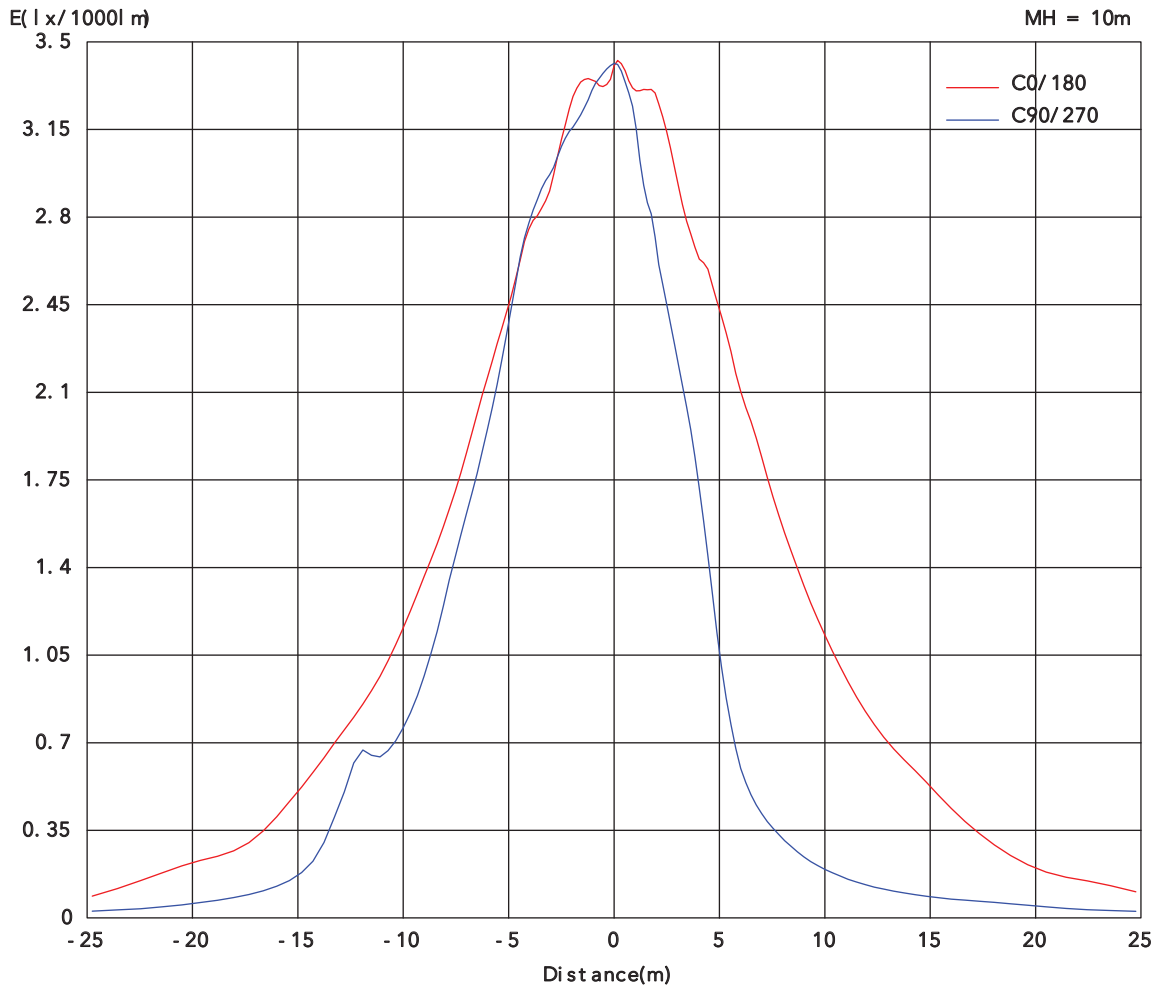
ISOCANDELA DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A



LED SOLAR LIGHTS GONIOPHOTOMETERS SYSTEM TEST REPORT

Planar Illuminance Curve

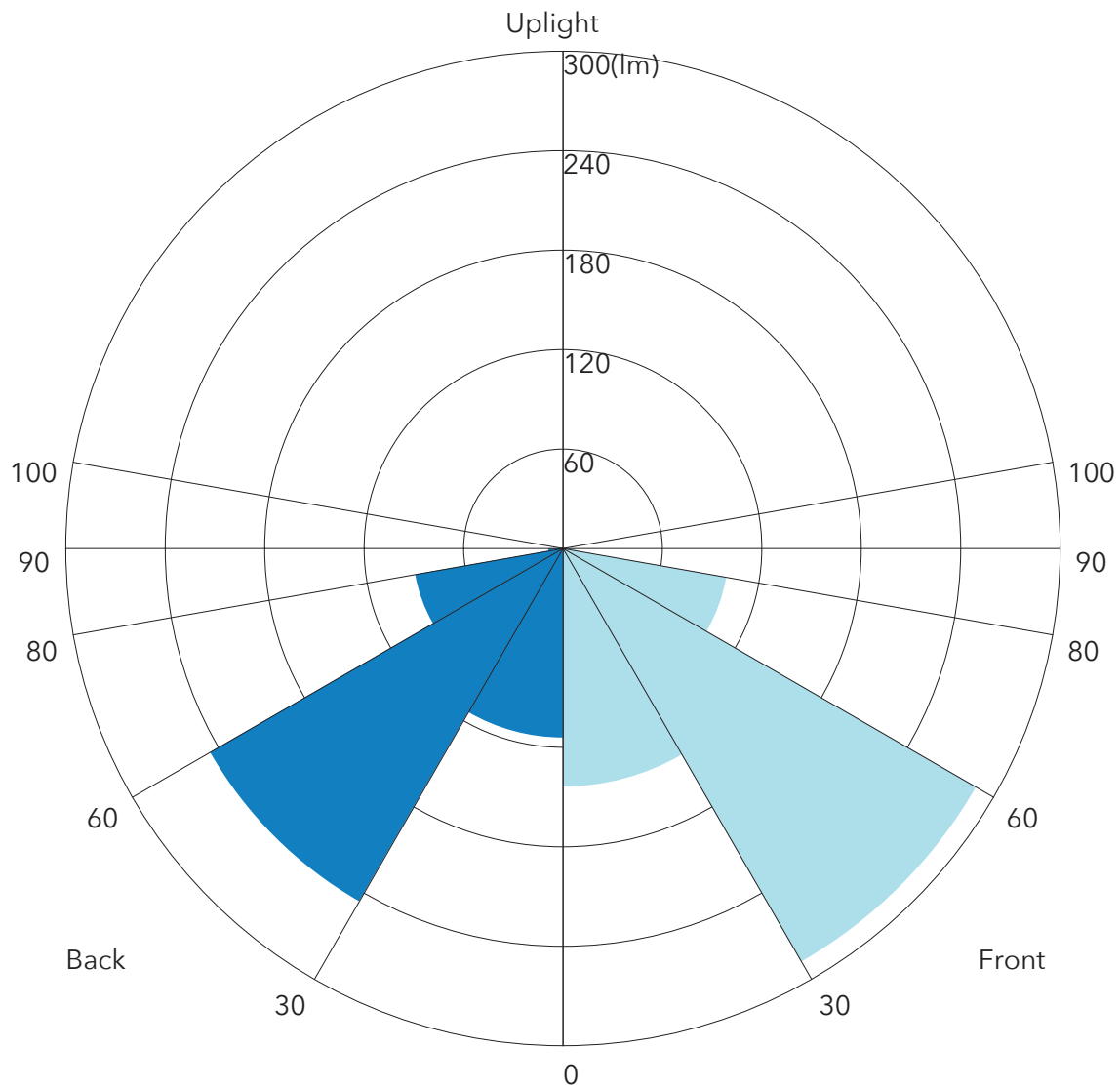


LED SOLAR LIGHTS GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



LED SOLAR LIGHTS

GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front - Low(0- 30)	143. 73	14. 4
FM - Front - Medium(30- 60)	287. 98	28. 8
FH - Front - High (60- 80)	100. 2	10. 0
FVH - Front-Very High(80-90)	7.7341	0.8
Total Forward Light	539. 89	54. 0

BL - Back- Low(0- 30)	114. 17	11. 4
BM - Back- Medium(30- 60)	245. 95	24. 6
BH - Back- High(60- 80)	90. 55	9. 1
BVH - Back-Very High(80- 90)	8. 8765	0. 9
Total Back Light	460. 11	46. 0

UL - Uplight - Low (90- 100)	0. 54566	0. 1
UH - Uplight - High (100- 180)	0. 26428	0. 0
Total Up Light	0. 80994	0. 1

BUG (Back, Up, Glare) Rating	B1- U1- G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	459.55	0.56269	460.11
Street Side	539.64	0.24725	539.89

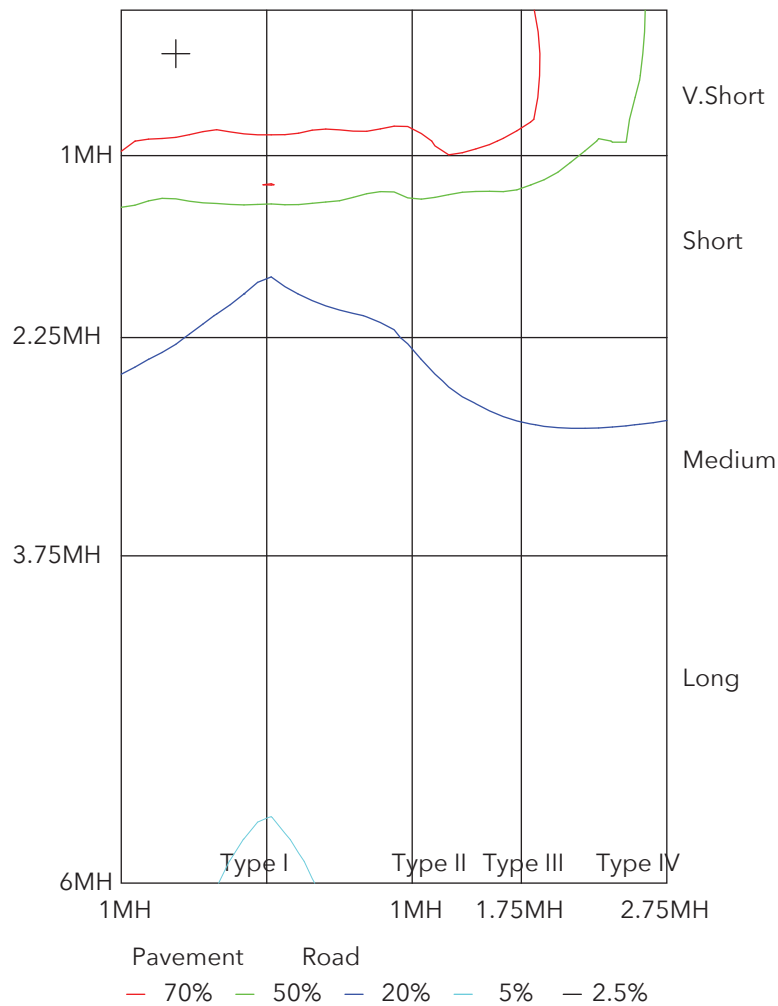


LED SOLAR LIGHTS GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



LED SOLAR LIGHTS

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

Table--1

UNIT: cd/klm

C(DEG)\R(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	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341			
5	338	332	334	336	337	336	337	334	336	337	333	326	328	330	335	342			
10	347	340	343	344	333	335	341	334	347	345	307	296	295	296	297	336			
15	338	340	339	345	338	340	340	335	341	316	279	264	264	263	278	320			
20	338	342	340	342	346	344	334	338	329	314	260	250	235	244	261	306			
25	343	349	339	343	341	341	325	341	340	314	252	210	174	202	253	306			
30	343	350	338	315	314	324	322	333	335	309	239	160	105	158	239	306			
35	338	364	326	285	294	296	313	337	335	318	238	122	76.0	121	239	320			
40	333	344	316	263	255	264	303	330	327	321	229	94.7	63.9	90.6	225	318			
45	328	340	298	220	215	216	280	331	320	313	214	77.4	55.1	75.6	213	307			
50	322	351	255	205	253	204	234	333	311	299	203	71.1	50.5	70.0	192	293			
55	309	355	240	174	121	170	217	329	312	266	166	68.1	49.7	64.3	148	257			
60	241	292	211	107	75.5	101	191	305	271	215	124	55.2	54.0	54.3	114	205			
65	239	242	175	86.9	59.8	78.5	146	220	216	166	75.3	47.7	50.8	44.3	62.0	140			
70	160	162	123	71.6	50.4	65.3	129	173	157	103	46.9	40.5	46.8	40.8	40.3	81.5			
75	110	103	80.2	57.2	42.4	53.6	77.4	82.8	122	55.7	30.3	36.0	20.5	36.1	28.7	42.7			
80	44.7	53.6	43.8	36.3	16.8	36.3	53.0	54.2	53.0	26.8	18.2	13.1	15.6	13.2	18.8	22.3			
85	13.7	16.1	24.6	11.0	3.99	11.2	28.7	31.2	23.0	11.2	8.46	7.51	0.00	7.59	4.41	5.84			
90	3.40	4.90	5.52	0.88	0.01	1.28	8.43	10.8	7.82	3.54	2.10	1.01	0.00	0.11	0.86	1.81			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.12			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.00	0.00	0.06	0.17	0.12			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.00	0.00	0.00	0.17	0.12			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.00	0.00	0.00	0.17	0.12			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.00	0.00	0.00	0.17	0.12			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.06	0.00	0.12	0.17	0.12			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.11	0.00	0.06	0.17	0.12			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.11	0.00	0.06	0.17	0.12			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.17	0.11	0.00	0.06	0.17	0.12			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.12	0.11	0.06	0.00	0.11	0.12			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.12	0.11	0.06	0.00	0.11	0.06			
155	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.12	0.11	0.06	0.00	0.11	0.06			
160	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.12	0.11	0.06	0.00	0.11	0.06			
165	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.12	0.12	0.11	0.06	0.00	0.11	0.06			
170	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.12	0.12	0.11	0.06	0.00	0.11	0.06			
175	0.11	0.06	0.11	0.00	0.00	0.00	0.06	0.00	0.06	0.12	0.06	0.11	0.00	0.00	0.11	0.06			
180	0.11	0.06	0.12	0.00	0.00	0.12	0.06	0.12	0.06	0.12	0.06	0.11	0.00	0.00	0.06	0.06			

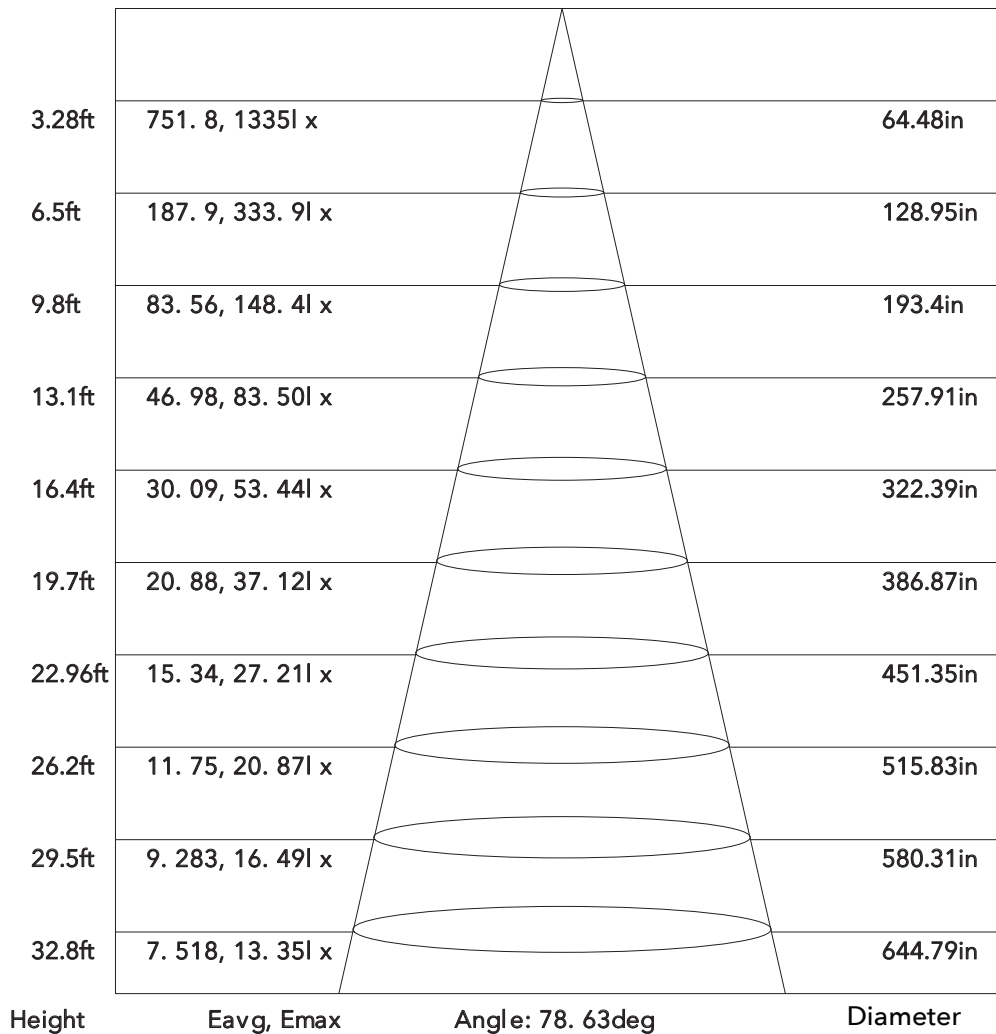
LED SOLAR LIGHTS GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

AAI Figure

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:4815.39x1 lm		
NAME: LED	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Sresky Co.,Ltd	SUR.:	Shielding Angle:N/A

Flux out : 1663 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

