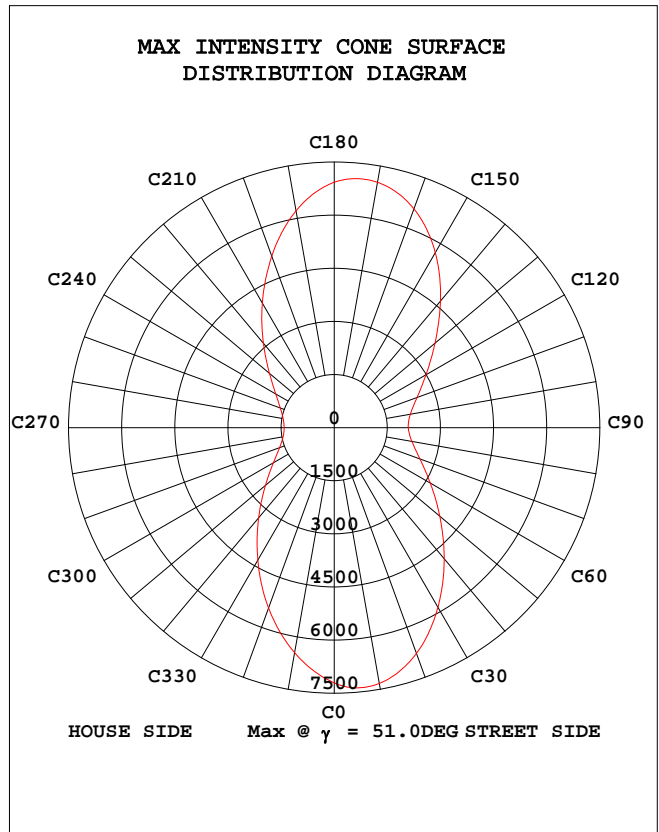
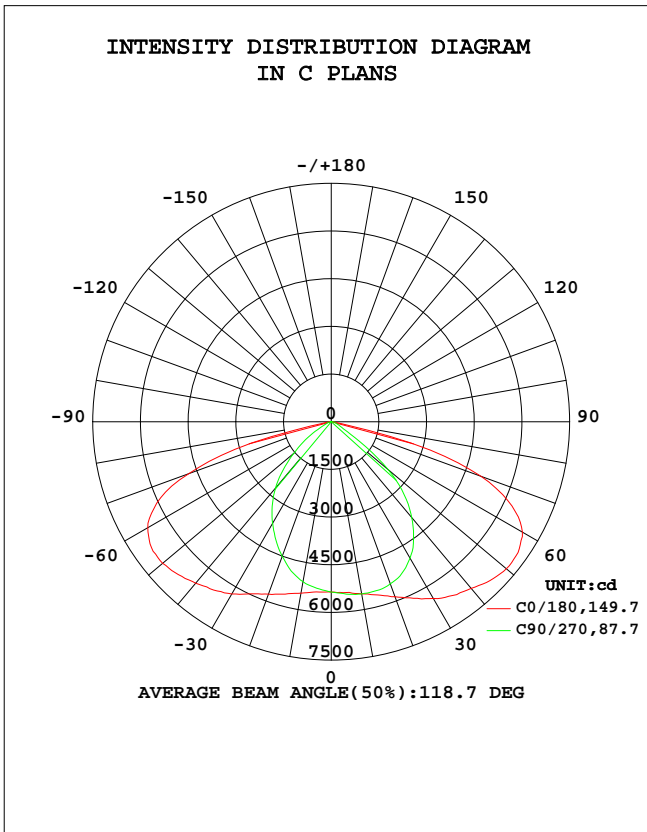


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	AN-SLZ-100W	I _{max} (cd)	7204	η street_up(%)	0.1
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	54.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	16961	η house_up(%)	0.1
NOMINAL FLUX(lm)	16960.5	MAXIMUM @(C,γ)	0,51.0	η house_down(%)	45.1
LAMPS INSIDE	1	η up(%)	0.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	99.8	SLI	20.748

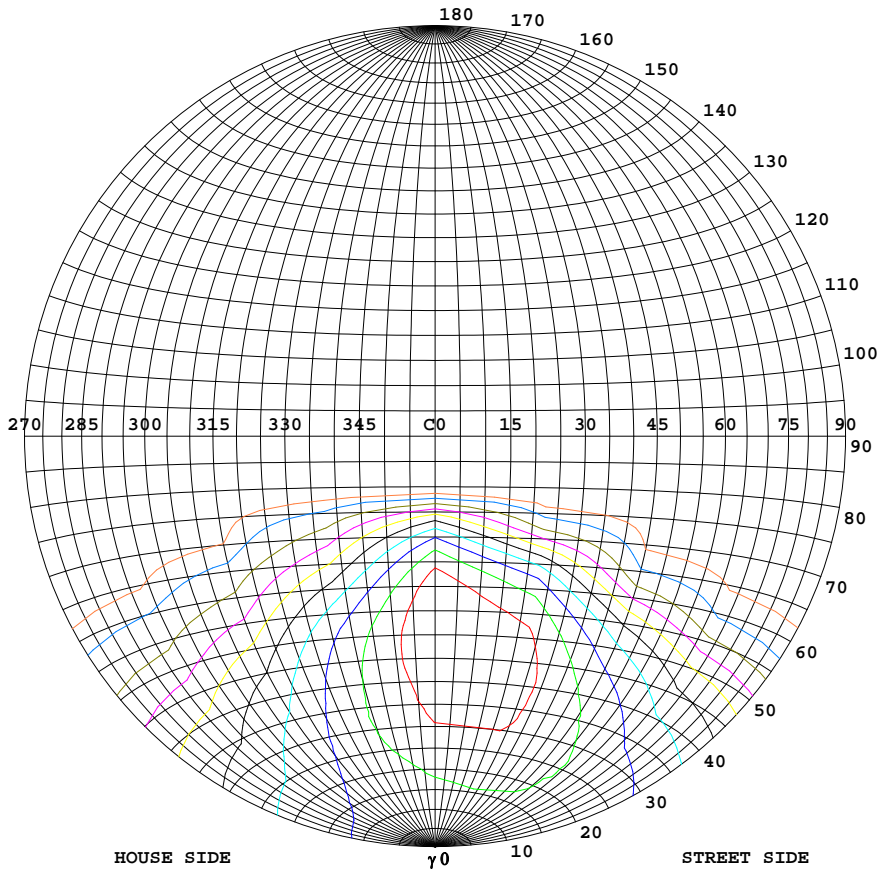


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



Classification:

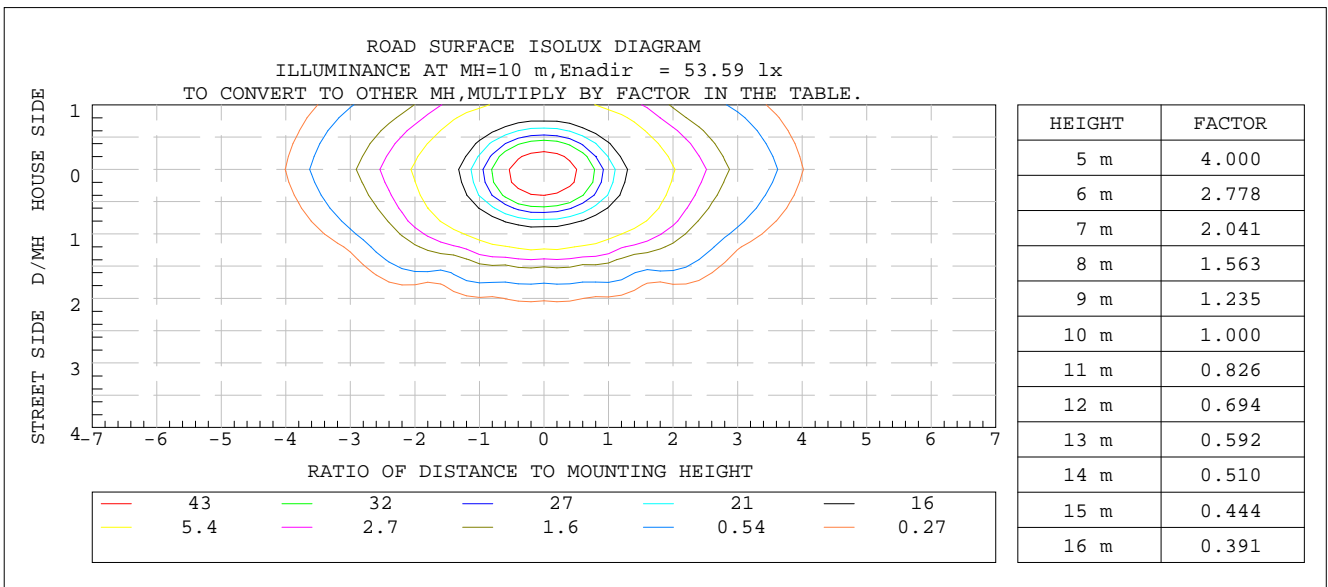
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:13.23cd/klm
 Max.At90:0.7677cd/klm
 Max.80-90:13.23cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7204
90%	6483
80%	5763
70%	5043
60%	4322
50%	3602
40%	2881
30%	2161
20%	1441
10%	720
5%	360

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Zero Huang
Test Date: 2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4238]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

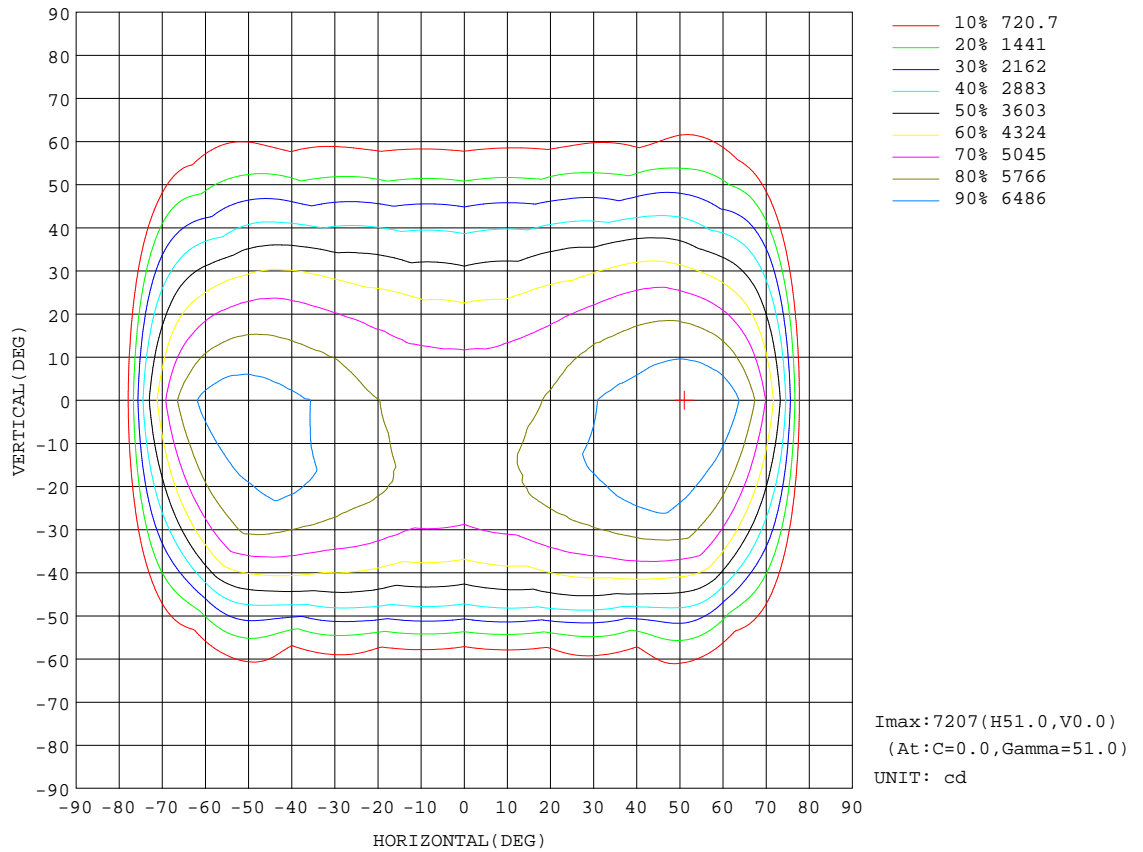
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	5497	5560	5500	5505	5478	5245	5110	5275	0- 10	513.2	513.2	3.03,3.03
20	5857	5834	5429	5705	5774	5027	4507	5070	10- 20	1529	2042	12,12
30	6423	5958	4956	5797	6256	4646	3694	4727	20- 30	2480	4522	26.7,26.7
40	6845	5576	3947	5411	6630	3968	2728	4089	30- 40	3214	7736	45.6,45.6
50	7193	4497	2320	4304	6929	2857	1528	3032	40- 50	3504	11240	66.3,66.3
60	6941	2103	453.1	2001	6663	1450	504.0	1580	50- 60	3041	14281	84.2,84.2
70	5001	321.6	191.6	321.6	4759	318.3	153.5	372.8	60- 70	1931	16212	95.6,95.6
80	184.9	157.8	106.1	159.1	224.5	129.5	36.48	140.0	70- 80	645.0	16857	99.4,99.4
90	11.48	11.11	9.531	7.645	10.11	1.898	0.6211	3.558	80- 90	65.86	16923	99.8,99.8
100	4.584	1.003	0.5435	0.7751	5.453	1.703	1.323	1.399	90-100	2.508	16926	99.8,99.8
110	6.370	0.8486	0.4659	0.6975	8.710	5.639	14.51	3.879	100-110	3.325	16929	99.8,99.8
120	7.538	1.850	0.4659	1.164	9.398	9.333	28.88	6.356	110-120	6.151	16935	99.8,99.8
130	8.613	3.620	1.471	2.630	7.540	10.11	17.78	7.520	120-130	6.165	16941	99.9,99.9
140	8.703	5.242	3.647	4.261	7.460	10.26	8.823	7.984	130-140	5.534	16947	99.9,99.9
150	8.779	7.868	6.441	6.817	7.850	11.03	7.772	9.842	140-150	5.352	16952	100,100
160	9.014	8.717	8.531	7.440	9.402	11.03	10.25	13.35	150-160	4.492	16957	100,100
170	10.17	10.95	9.781	9.061	9.868	11.42	12.11	15.96	160-170	2.829	16959	100,100
180	12.12	12.73	11.18	10.23	11.81	12.88	12.27	13.71	170-180	1.089	16961	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

ISOCANDELA DIAGRAM

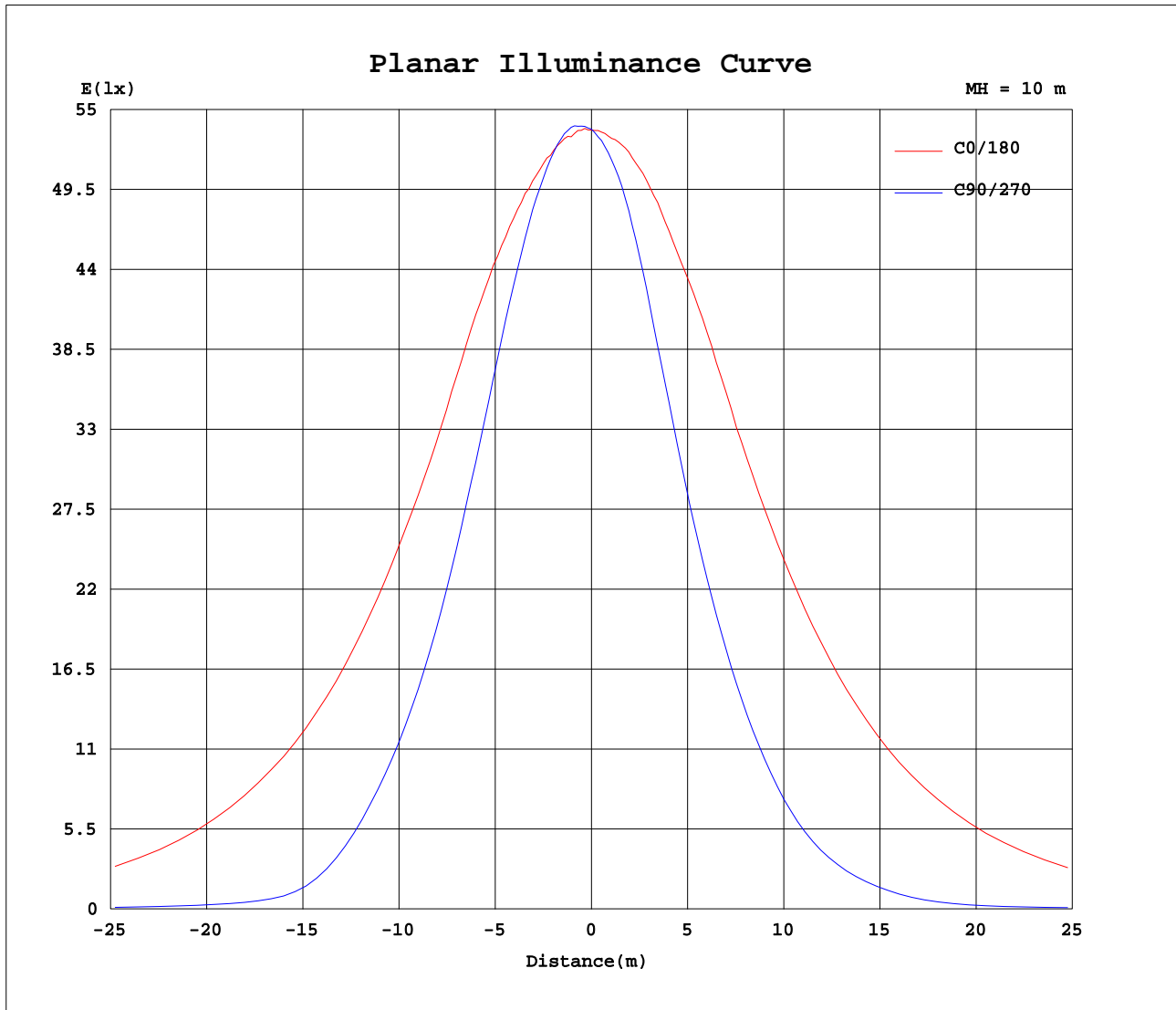
Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Zero Huang
 Test Date: 2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 60%
 Test Distance: 26.000m [K=1.4238]
 Remarks:

Planar Illuminance Curve



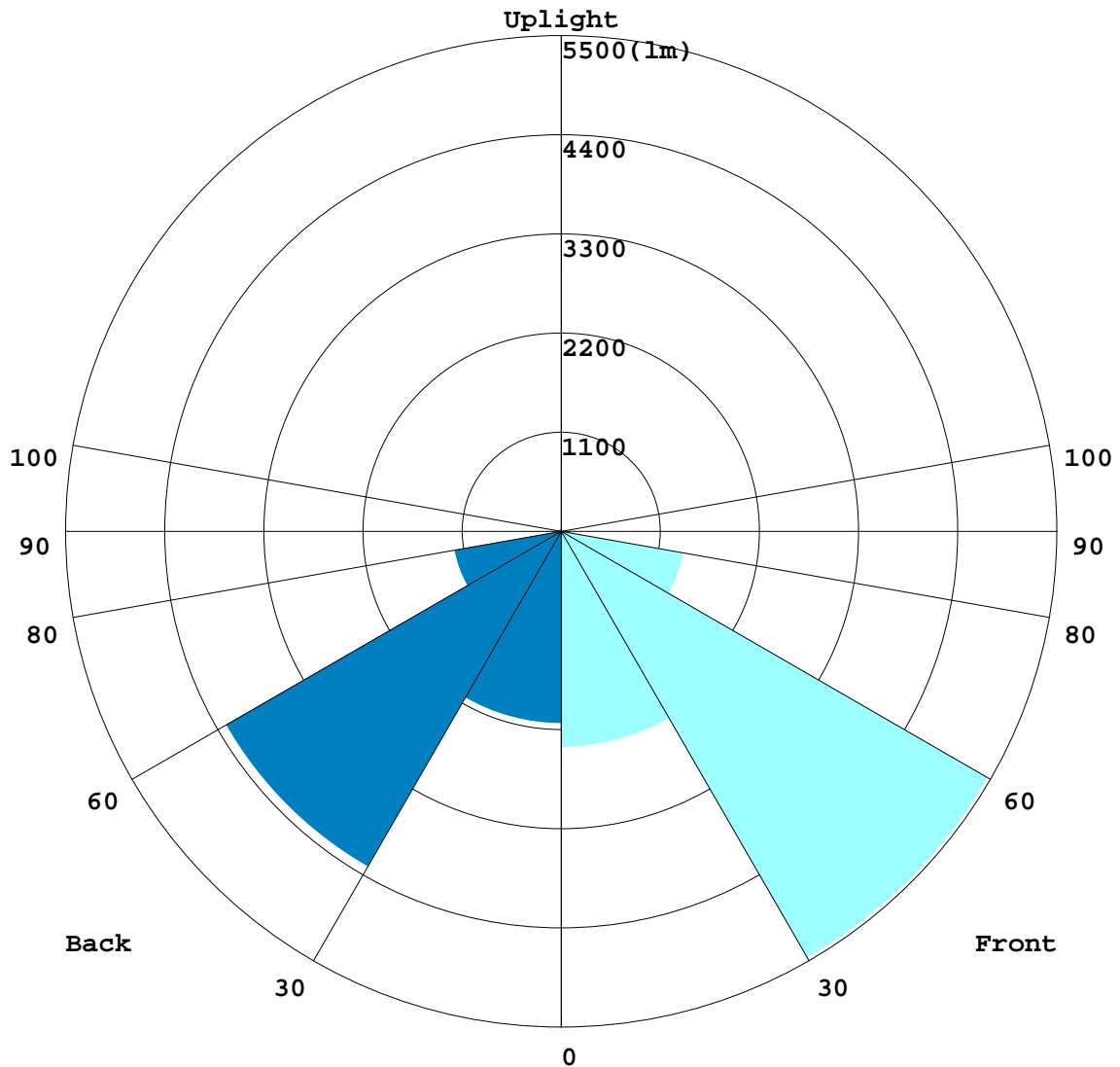
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Zero Huang
Test Date: 2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 60%
Test Distance: 26.000m [K=1.4238]
Remarks:

LCS REPORT

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	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:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

BUG REPORT

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2393	14.1
FM - Front-Medium(30-60)	5463.3	32.2
FH - Front-High(60-80)	1374.3	8.1
FVH - Front-Very High(80-90)	38.846	0.2
Total Forward Light	9281.4	54.7

BL - Back-Low(0-30)	2129.2	12.6
BM - Back-Medium(30-60)	4295.3	25.3
BH - Back-High(60-80)	1202.2	7.1
BVH - Back-Very High(80-90)	27.013	0.2
Total Back Light	7679.1	45.3

UL - Uplight-Low(90-100)	2.508	0.0
UH - Uplight-High(100-180)	34.936	0.2
Total Up Light	37.444	0.2

BUG(Back,Up,Glare) Rating	B3-U2-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7653.7	25.403	7679.1
Street Side	9269.4	12.042	9281.4

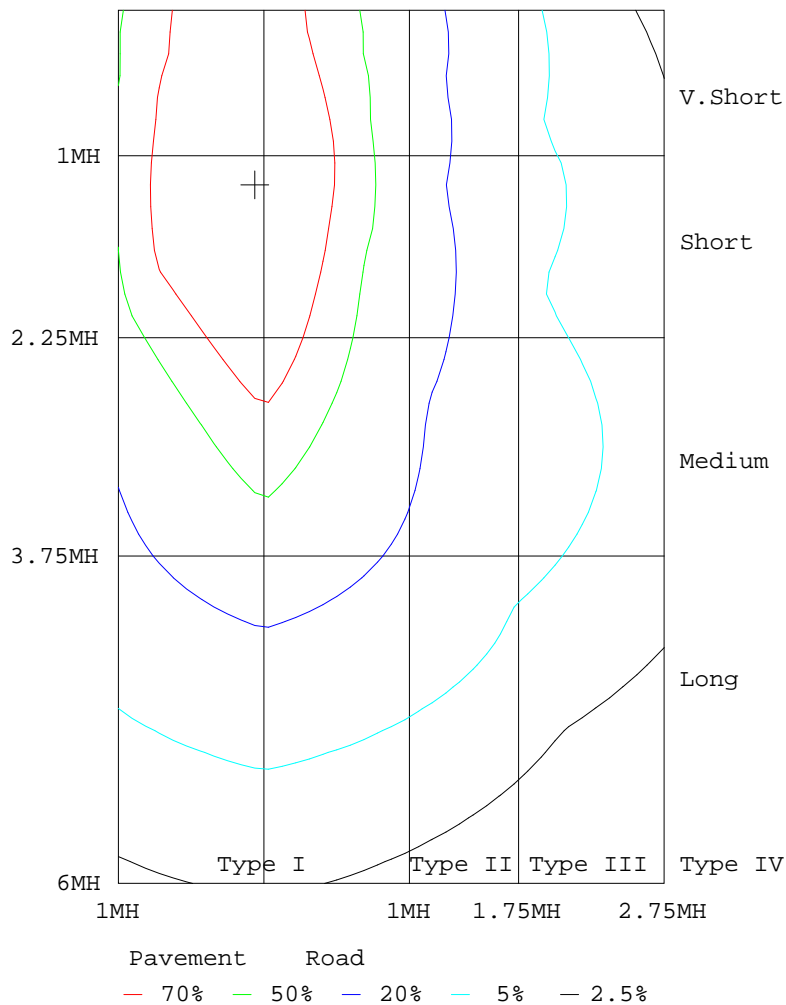
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0.2149V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:16960.5x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	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	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358	5358			
5	5395	5430	5470	5434	5443	5439	5430	5381	5376	5340	5321	5270	5256	5272	5336	5371			
10	5497	5548	5560	5519	5500	5456	5505	5472	5478	5334	5245	5147	5110	5151	5275	5398			
15	5642	5709	5704	5584	5498	5506	5583	5623	5614	5342	5145	4935	4862	4932	5173	5440			
20	5857	5927	5834	5569	5429	5506	5705	5814	5774	5418	5027	4646	4507	4655	5070	5526			
25	6129	6186	5950	5469	5264	5378	5818	6051	5974	5510	4873	4304	4116	4327	4908	5656			
30	6423	6486	5958	5245	4956	5151	5797	6298	6256	5543	4646	3922	3694	3948	4727	5701			
35	6671	6656	5814	4893	4515	4782	5657	6457	6462	5515	4346	3506	3244	3536	4447	5708			
40	6845	6772	5576	4390	3947	4270	5411	6572	6630	5420	3968	3018	2728	3065	4089	5650			
45	7067	6789	5154	3764	3244	3628	4962	6591	6800	5254	3481	2445	2136	2506	3629	5513			
50	7193	6636	4497	2907	2320	2805	4304	6440	6929	4952	2857	1805	1528	1853	3032	5231			
55	7174	6242	3518	1670	1126	1628	3373	6087	6905	4426	2130	1222	999	1285	2302	4691			
60	6941	5494	2103	624	453	619	2001	5346	6663	3636	1450	689	504	734	1580	3894			
65	6272	4210	797	334	283	334	759	4010	6055	2653	831	302	237	324	943	2903			
70	5001	2191	322	242	192	239	322	2042	4759	1620	318	200	154	204	373	1883			
75	2586	550	226	173	146	169	225	520	2602	678	205	141	95.7	141	220	801			
80	185	150	158	112	106	109	159	149	224	146	130	87.9	36.5	86.1	140	169			
85	67.5	72.3	79.4	59.4	67.0	58.8	75.3	71.5	70.0	61.4	35.0	28.7	0.62	31.9	37.9	64.3			
90	11.5	13.0	11.1	10.4	9.53	9.39	7.64	9.35	10.1	4.32	1.90	0.78	0.62	0.85	3.56	8.21			
95	4.51	3.25	1.31	0.93	0.70	0.86	1.09	2.63	4.51	2.48	0.85	0.93	0.85	0.85	0.85	2.70			
100	4.58	2.63	1.00	0.70	0.54	0.70	0.78	1.70	5.45	4.57	1.70	1.33	1.32	1.09	1.40	3.63			
105	5.44	2.63	0.85	0.62	0.47	0.54	0.70	1.70	7.23	6.50	3.49	3.57	4.44	2.57	2.41	5.18			
110	6.37	2.78	0.85	0.62	0.47	0.54	0.70	1.70	8.71	8.20	5.64	8.63	14.5	5.23	3.88	6.50			
115	7.46	3.86	1.31	0.62	0.47	0.54	0.70	2.55	9.32	9.03	7.64	13.1	25.3	7.93	5.27	7.57			
120	7.54	4.71	1.85	0.62	0.47	0.54	1.16	2.94	9.40	9.03	9.33	13.8	28.9	9.87	6.36	7.42			
125	8.08	4.94	2.54	1.24	0.69	1.23	1.93	3.94	7.92	8.65	9.26	10.5	25.3	10.5	6.67	7.19			
130	8.61	6.17	3.62	2.24	1.47	1.55	2.63	4.33	7.54	7.88	10.1	9.44	17.8	8.56	7.52	6.72			
135	8.70	6.56	4.39	3.02	2.33	2.64	3.33	4.78	7.38	7.88	10.2	13.3	16.1	10.1	7.83	6.65			
140	8.70	7.41	5.24	4.41	3.65	4.03	4.26	6.18	7.46	7.88	10.3	14.6	8.82	12.8	7.98	6.65			
145	8.70	7.72	6.47	5.97	5.04	5.05	5.27	6.34	7.46	7.95	10.3	17.1	6.60	21.5	8.53	6.95			
150	8.78	8.57	7.87	7.13	6.44	6.22	6.82	6.41	7.85	8.50	11.0	16.9	7.77	25.0	9.84	7.65			
155	8.93	8.88	8.64	7.60	7.45	6.99	7.44	6.88	8.63	9.34	11.1	15.7	9.17	19.3	10.1	8.74			
160	9.01	8.96	8.72	7.98	8.53	7.54	7.44	7.19	9.40	9.50	11.0	12.9	10.3	11.4	13.3	9.74			
165	9.17	9.42	9.18	8.61	8.85	8.85	7.82	7.57	9.40	9.50	11.0	12.3	11.0	11.2	15.7	10.2			
170	10.2	10.7	10.9	9.91	9.78	10.2	9.06	8.65	9.87	9.89	11.4	12.4	12.1	11.2	16.0	10.2			
175	11.7	12.4	12.4	11.8	10.8	12.2	9.84	9.89	11.7	11.6	12.3	12.7	12.3	11.2	15.2	10.2			
180	12.1	12.9	12.7	12.1	11.2	14.1	10.2	10.2	11.8	12.1	12.9	12.8	12.3	11.1	13.7	10.2			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Zero Huang
 Test Date:2021-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:60%
 Test Distance:26.000m [K=1.4238]
 Remarks: