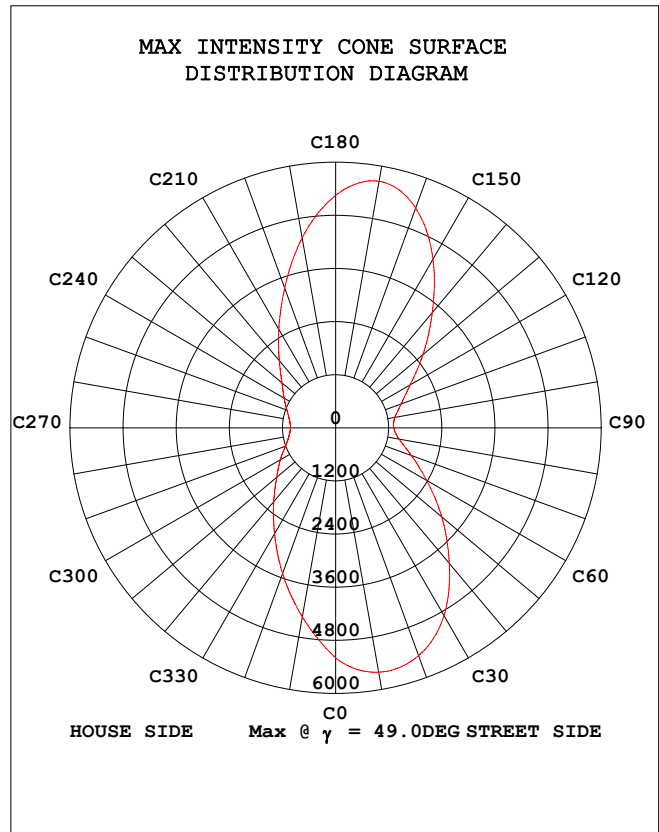
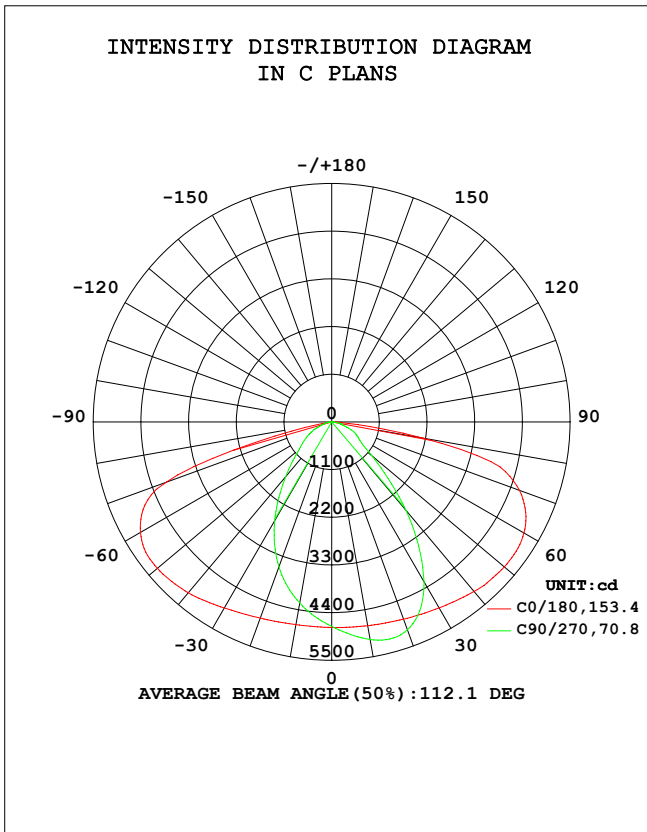


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:46.97V I:1.739A P:81.17W PF:0.9732 Freq:49.99Hz Lamp Flux:13805.2x1 lm		
NAME: BS-FH-80W	TYPE:LED	WEIGHT:
SPEC.:BS-FH-80W	DIM.:	SERIAL No.:1
MFR.: Bluesmart Solar PV Co.,Ltd.	SUR.:260*140	Shielding Angle:

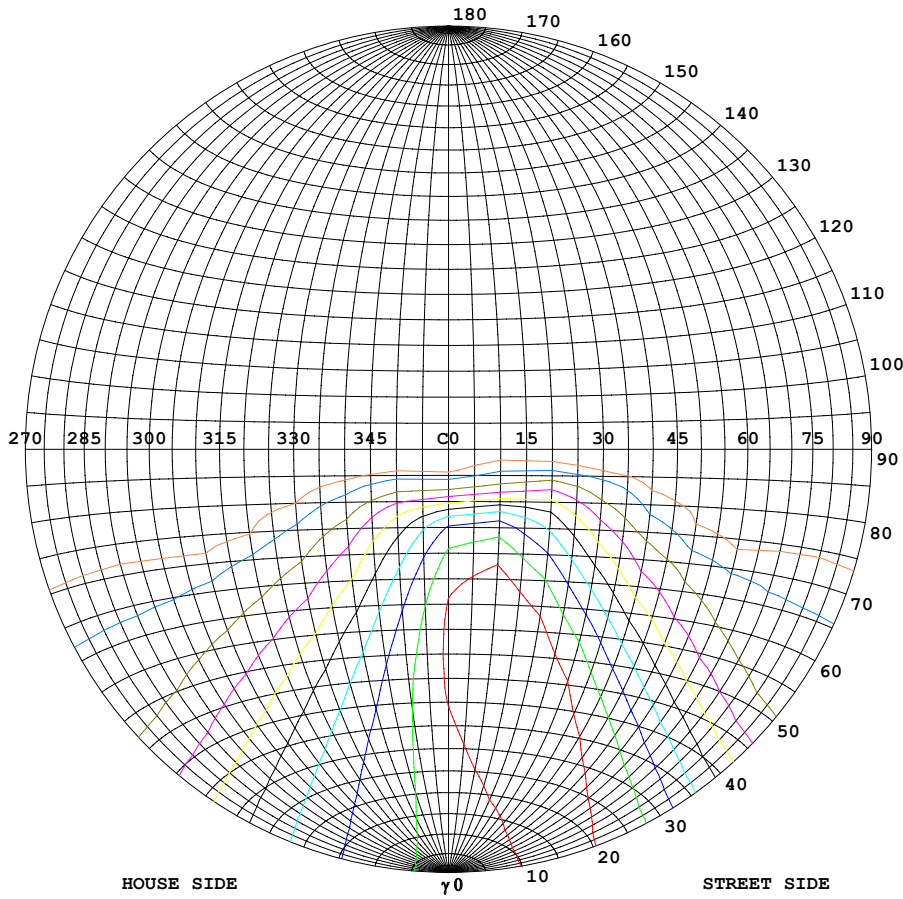
DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.07 lm/W			
MODEL	1W8C1B SA2235	Imax (cd)	5656	η street_up (%)	0.0
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	59.1
RATED VOLTAGE (V)	46	TOTAL FLUX (lm)	13805	η house_up (%)	0.0
NOMINAL FLUX (lm)	13805.2	MAXIMUM @ (C, γ)	170,49.0	η house_down (%)	40.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	46	η down (%)	100.0	SLI	22.377



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

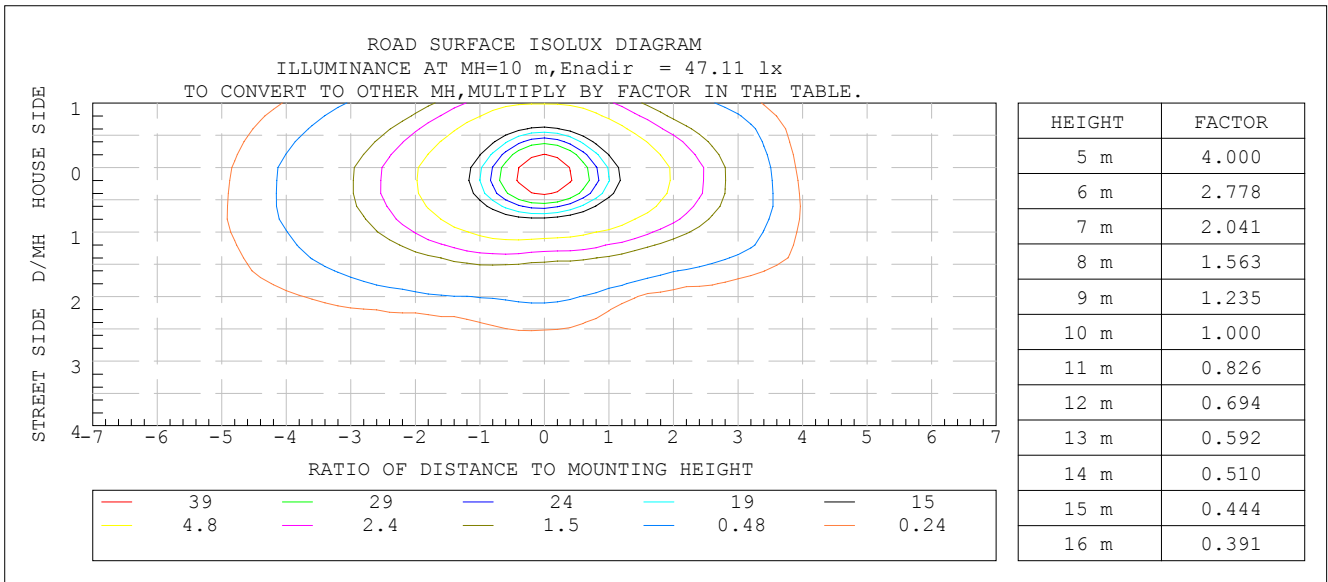
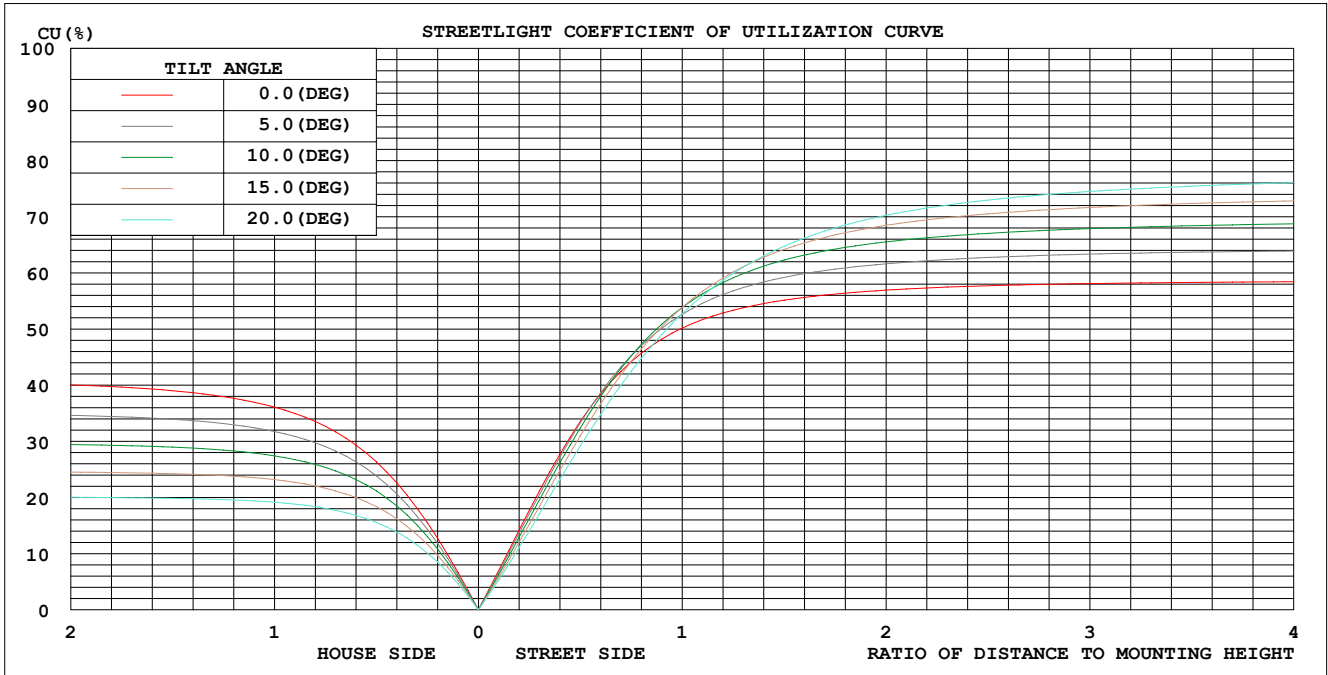
IES:Type II - Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:183.4cd/klm
 Max.At90:7.855cd/klm
 Max.80-90:183.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5656
— 90%	5090
— 80%	4524
— 70%	3959
— 60%	3393
— 50%	2828
— 40%	2262
— 30%	1697
— 20%	1131
— 10%	566
— 5%	283

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

gamma Range: 0 - 90DEG
 gamma Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [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: XYM
Test Date: 2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 10.230m [K=1.0000]
Remarks:

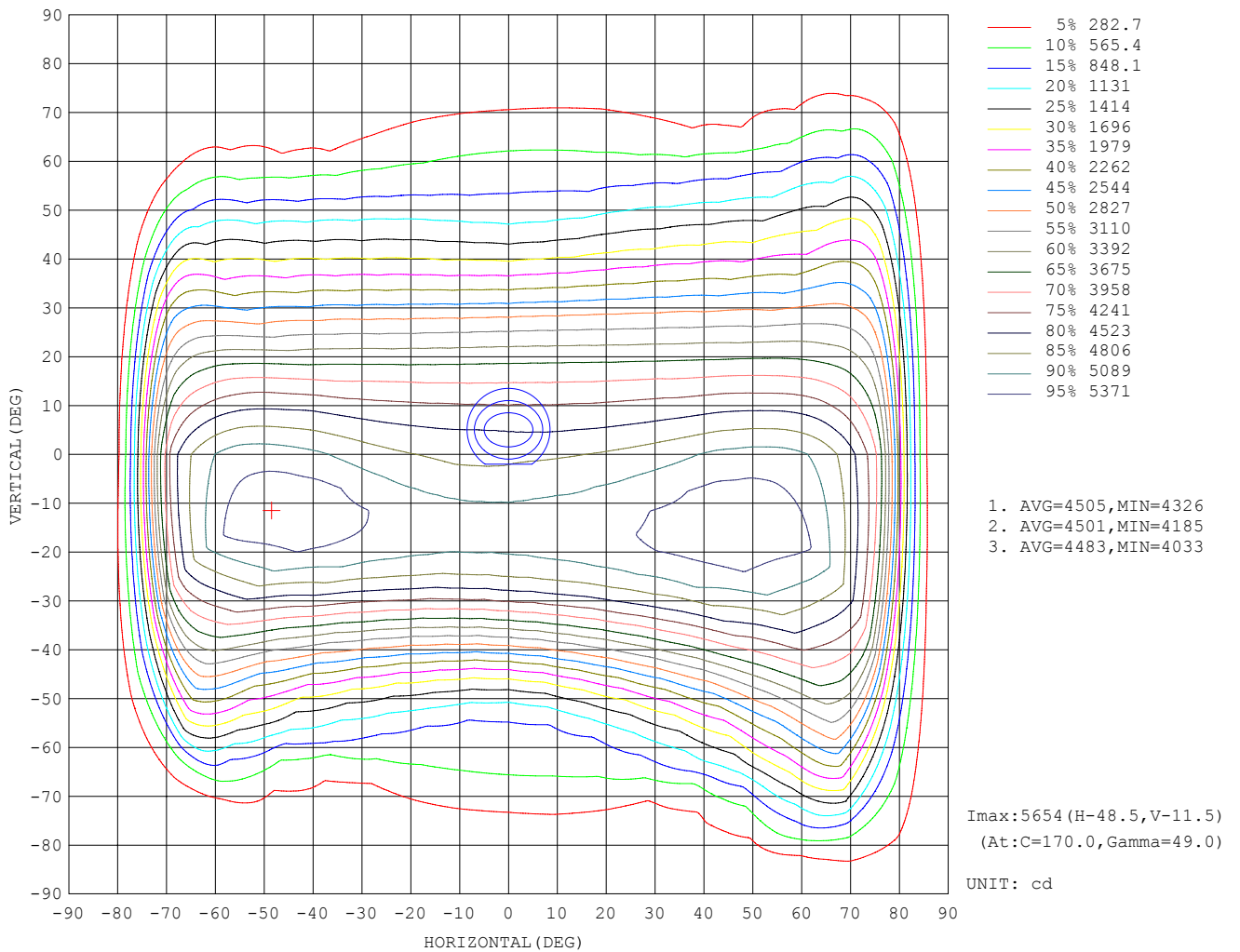
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4773	5028	5094	5002	4748	4417	4242	4402	0- 10	450.3	450.3	3.26,3.26
20	4842	5244	5105	5207	4815	3971	3558	3984	10- 20	1320	1771	12.8,12.8
30	4955	5147	4260	5011	4955	3347	2629	3406	20- 30	2043	3814	27.6,27.6
40	5107	4536	2675	4160	5146	2545	1654	2667	30- 40	2444	6257	45.3,45.3
50	5203	3440	1208	2846	5252	1704	974.9	1883	40- 50	2454	8711	63.1,63.1
60	5122	2187	699.2	1556	5094	944.1	632.2	1166	50- 60	2186	10898	78.9,78.9
70	4611	1179	406.0	530.5	4047	275.7	302.7	504.4	60- 70	1744	12642	91.6,91.6
80	2109	322.8	204.3	121.3	224.7	113.8	129.6	158.2	70- 80	974.3	13616	98.6,98.6
90	40.55	41.10	14.84	11.33	23.63	10.56	3.369	25.21	80- 90	188.9	13805	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

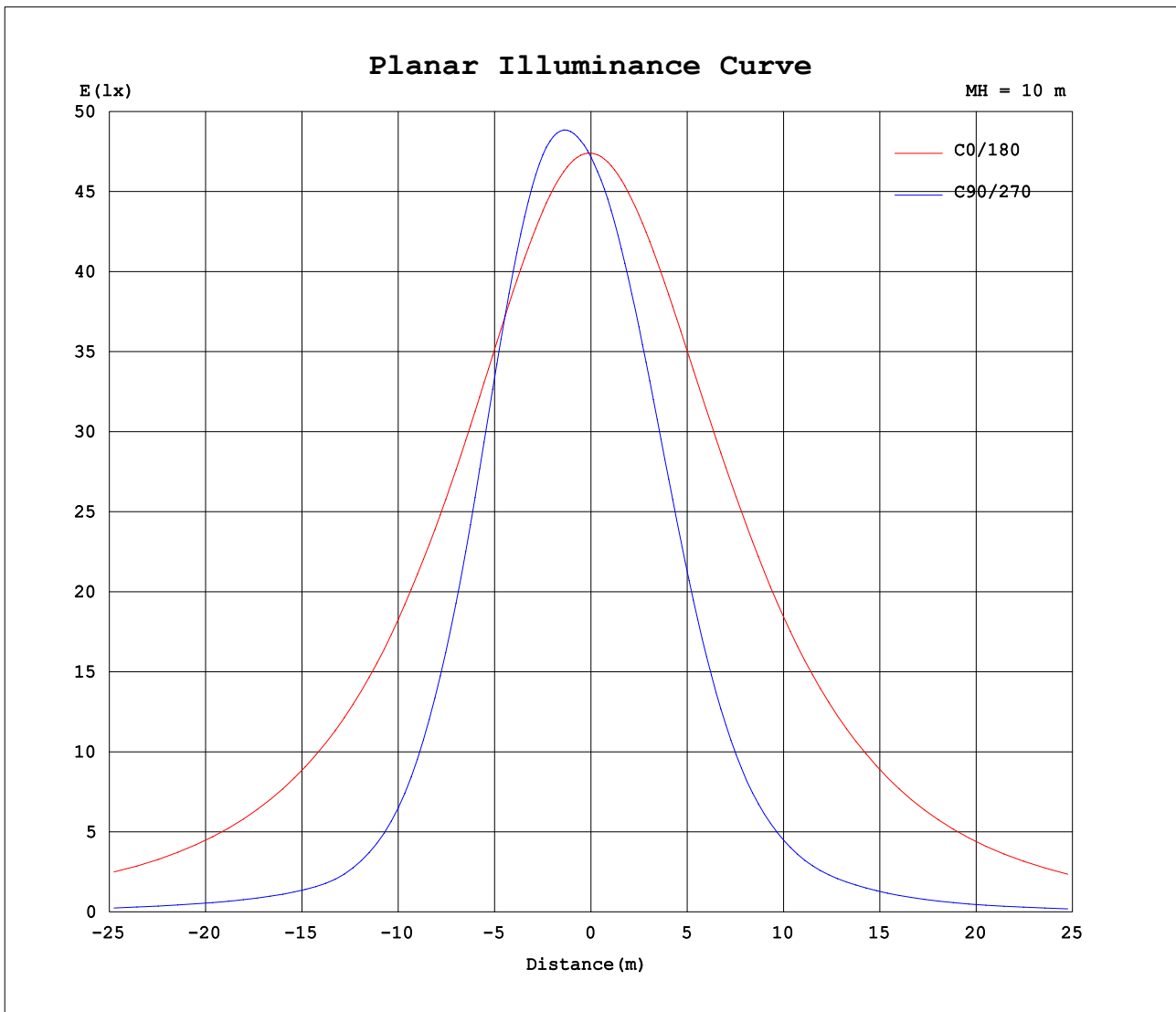
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

Planar Illuminance Curve



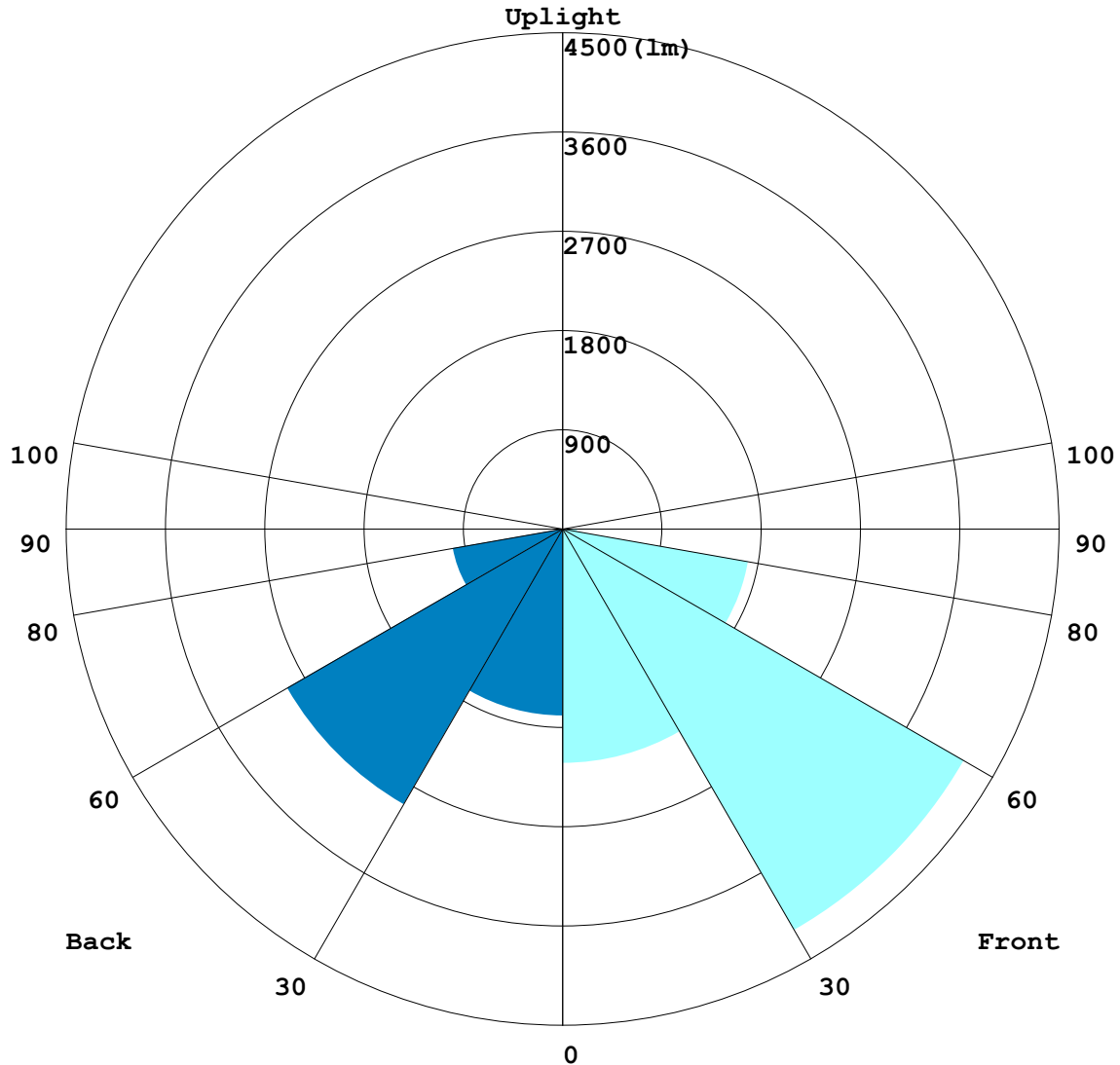
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XYM
 Test Date: 2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 10.230m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:46.97V I:1.739A P:81.17W PF:0.9732 Freq:49.99Hz Lamp Flux:13805.2x1 lm		
NAME: BS-FH-80W	TYPE:LED	WEIGHT:
SPEC.:BS-FH-80W	DIM.:	SERIAL No.:1
MFR.: Bluesmart Solar PV Co.,Ltd.	SUR.:260*140	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:46.97V I:1.739A P:81.17W PF:0.9732 Freq:49.99Hz Lamp Flux:13805.2x1 lm		
NAME: BS-FH-80W	TYPE:LED	WEIGHT:
SPEC.:BS-FH-80W	DIM.:	SERIAL No.:1
MFR.: Bluesmart Solar PV Co.,Ltd.	SUR.:260*140	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2121.7	15.4
FM - Front-Medium(30-60)	4200.1	30.4
FH - Front-High(60-80)	1708.3	12.4
FVH - Front-Very High(80-90)	132.49	1.0
Total Forward Light	8162.6	59.1

BL - Back-Low(0-30)	1692	12.3
BM - Back-Medium(30-60)	2883.8	20.9
BH - Back-High(60-80)	1010.4	7.3
BVH - Back-Very High(80-90)	56.399	0.4
Total Back Light	5642.6	40.9

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5642.6	0	5642.6
Street Side	8162.6	0	8162.6

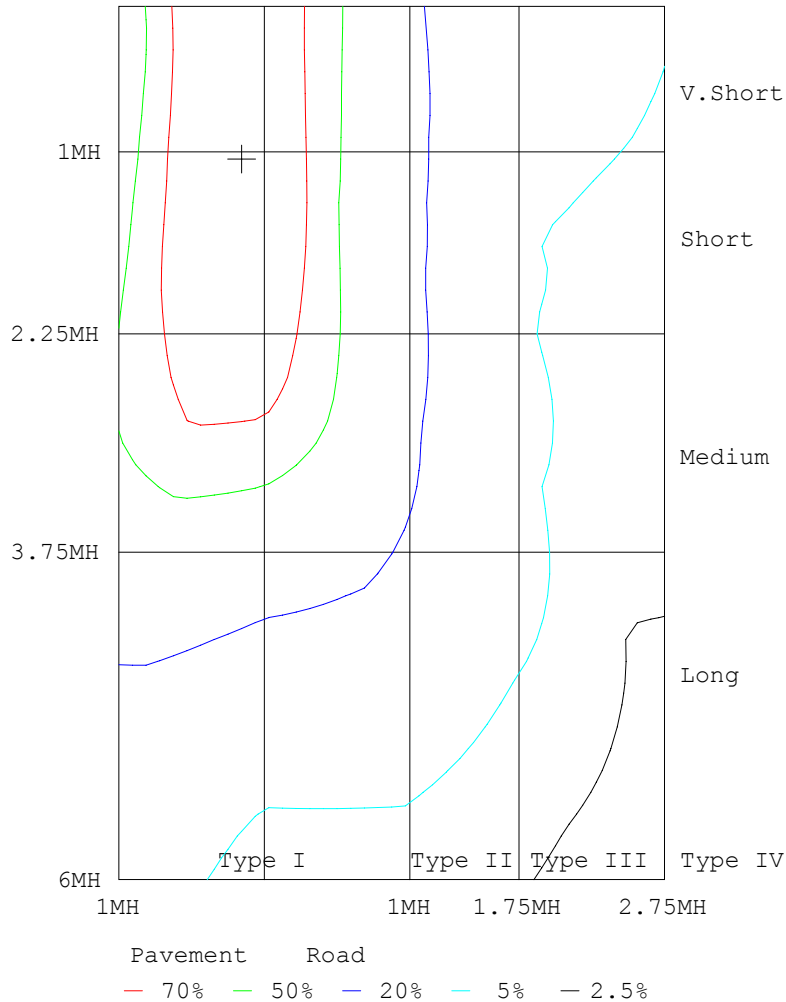
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:46.97V I:1.739A P:81.17W PF:0.9732 Freq:49.99Hz Lamp Flux:13805.2x1 lm		
NAME: BS-FH-80W	TYPE:LED	WEIGHT:
SPEC.:BS-FH-80W	DIM.:	SERIAL No.:1
MFR.: Bluesmart Solar PV Co.,Ltd.	SUR.:260*140	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XYM
 Test Date:2018.5.29

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:10.230m [K=1.0000]
 Remarks:

