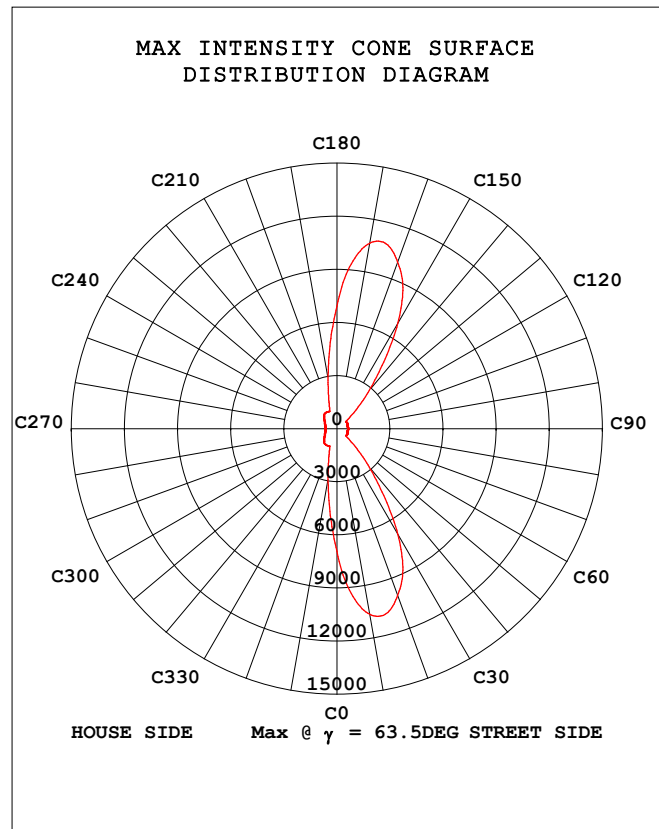
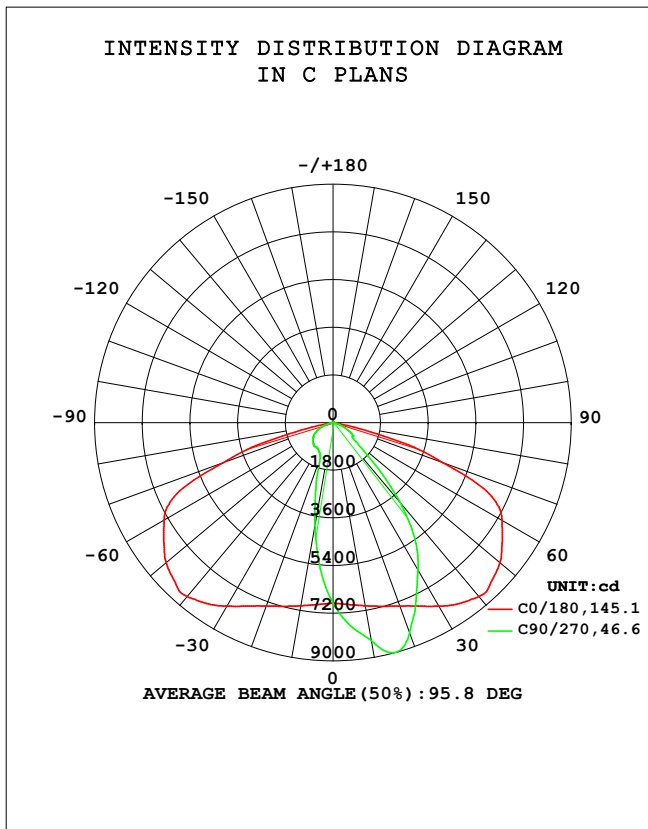


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6718A P:149.2W PF:0.9656 Lamp Flux:18396.2x1 lm		
NAME: ST07-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra70 R17603	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.28 lm/W			
MODEL	ST07-150	I _{max} (cd)	10855	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	73.7
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	18396	η house_up (%)	0.0
NOMINAL FLUX (lm)	18396.2	MAXIMUM @ (C, γ)	13,63.5	η house_down (%)	26.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



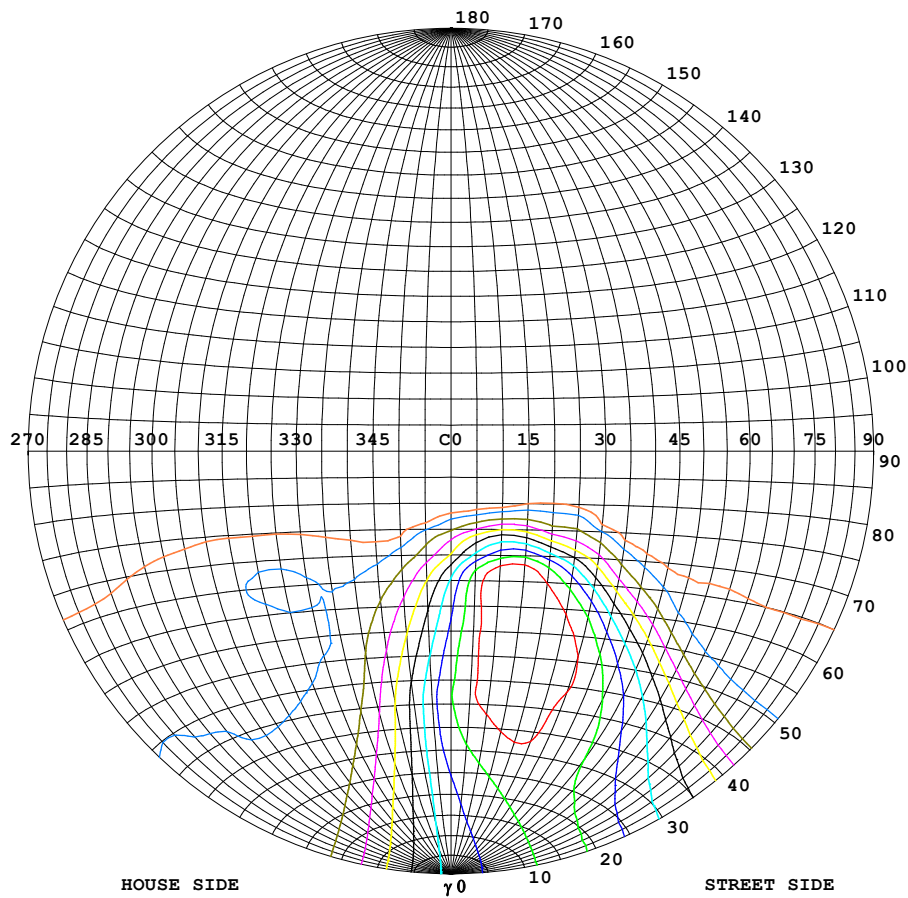
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Checker:
Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:32.03cd/klm
Max.At90:0.8957cd/klm
Max.80-90:32.03cd/klm

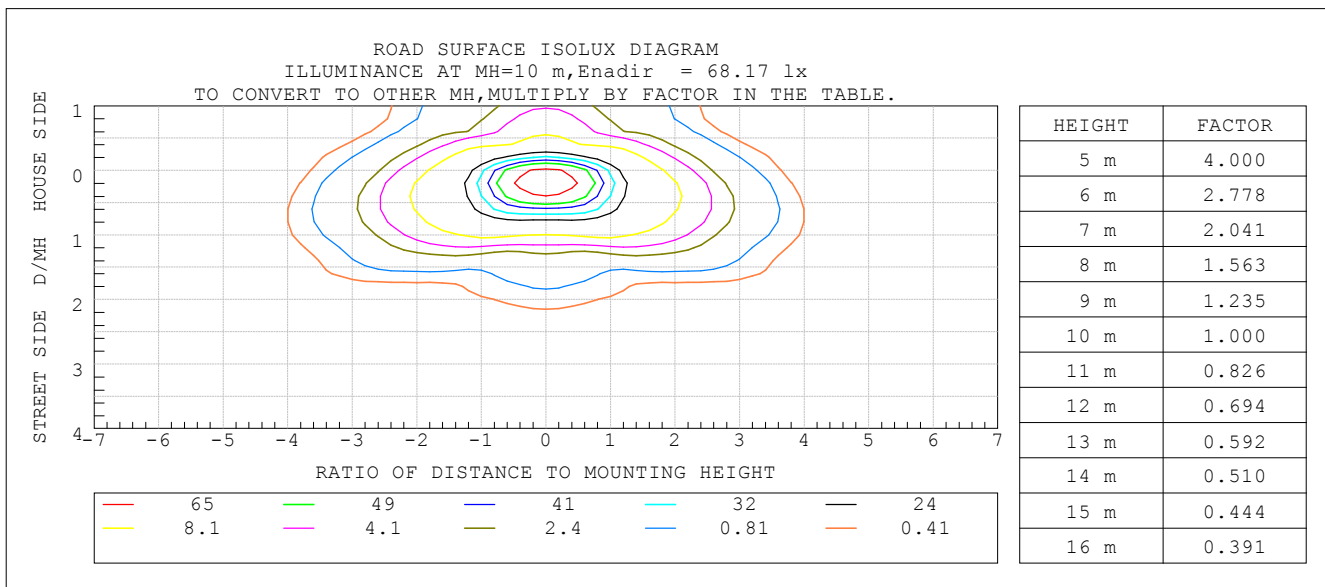
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10855
90%	9770
80%	8684
70%	7599
60%	6513
50%	5428
40%	4342
30%	3257
20%	2171
10%	1086
5%	543

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker:

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	689.6	750.7	770.4	750.7	689.6	595.0	554.9	595.0	0- 5	162.1	162.1	0.88,0.88
10	702.1	808.2	836.5	808.2	702.1	486.9	395.8	486.9	5- 10	474.2	636.3	3.46,3.46
15	718.2	870.6	899.1	870.6	718.2	375.8	251.4	375.8	10- 15	762.8	1399	7.61,7.61
20	736.9	915.0	845.2	915.0	736.9	274.2	143.4	274.2	15- 20	1019	2418	13.1,13.1
25	764.5	898.4	742.7	898.4	764.5	184.5	123.3	184.5	20- 25	1221	3639	19.8,19.8
30	800.4	872.0	642.2	872.0	800.4	131.9	115.7	131.9	25- 30	1400	5039	27.4,27.4
35	833.3	859.3	541.0	859.3	833.3	120.1	112.9	120.1	30- 35	1562	6602	35.9,35.9
40	857.2	820.5	394.8	820.5	857.2	110.1	112.7	110.1	35- 40	1690	8291	45.1,45.1
45	847.1	759.6	227.0	759.6	847.1	102.6	106.8	102.6	40- 45	1741	10033	54.5,54.5
50	823.2	654.3	115.9	654.3	823.2	97.54	98.74	97.54	45- 50	1697	11729	63.8,63.8
55	780.3	477.5	89.51	477.5	780.3	94.55	91.01	94.55	50- 55	1616	13345	72.5,72.5
60	736.8	275.2	79.99	275.2	736.8	98.58	77.70	98.58	55- 60	1528	14873	80.8,80.8
65	662.1	123.0	54.24	123.0	662.1	106.5	60.64	106.5	60- 65	1405	16278	88.5,88.5
70	441.5	48.88	33.04	48.88	441.5	91.23	40.27	91.23	65- 70	1152	17430	94.7,94.7
75	197.9	29.12	8.962	29.12	197.9	50.61	18.16	50.61	70- 75	690.2	18120	98.5,98.5
80	16.70	12.14	2.144	12.14	16.70	17.84	0.5541	17.84	75- 80	231.4	18352	99.8,99.8
85	2.959	2.361	0.8530	2.361	2.959	2.146	0.2220	2.146	80- 85	37.60	18389	100,100
90	1.333	0.4511	0.2902	0.4511	1.333	0.9114	0.2553	0.9114	85- 90	6.802	18396	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

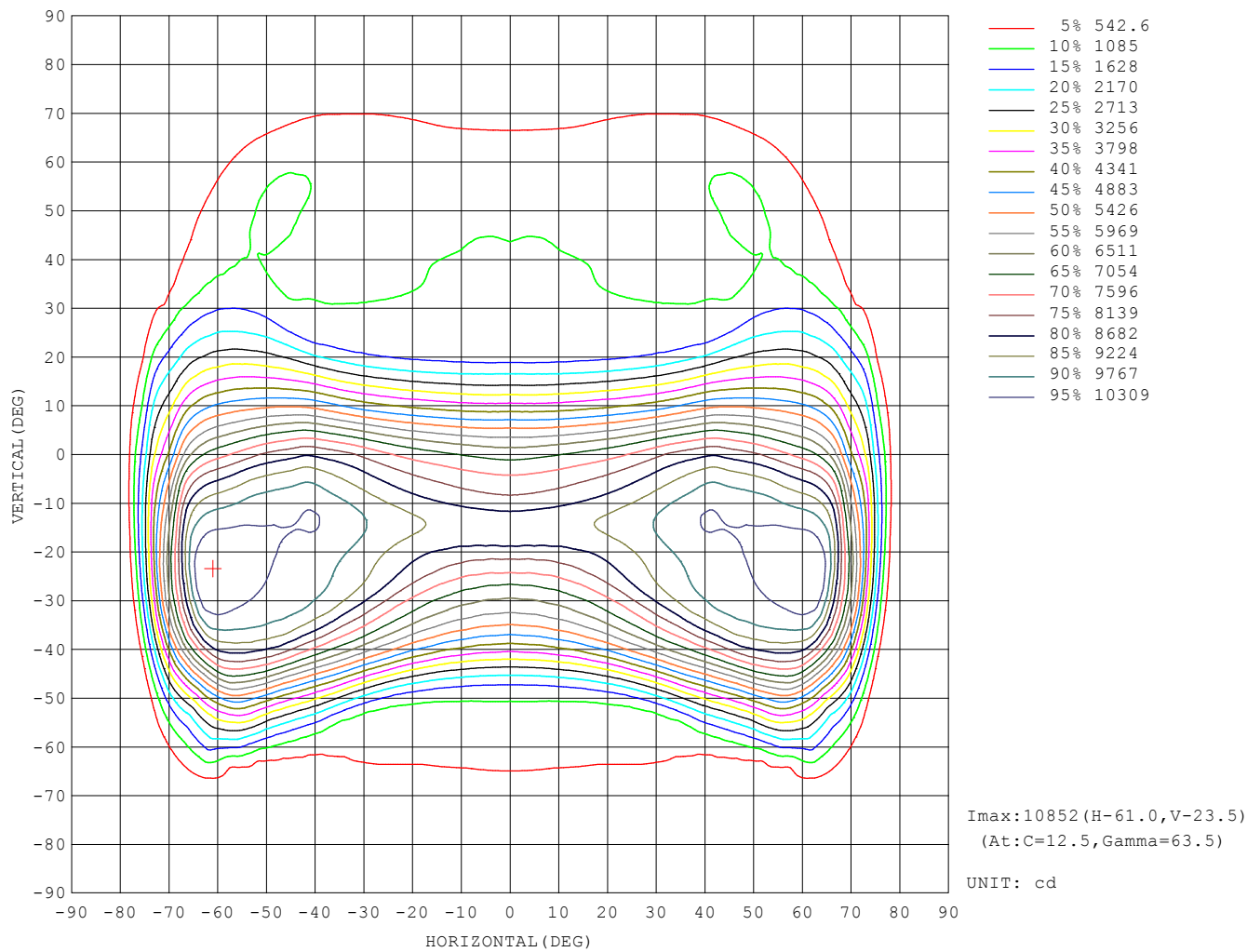
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



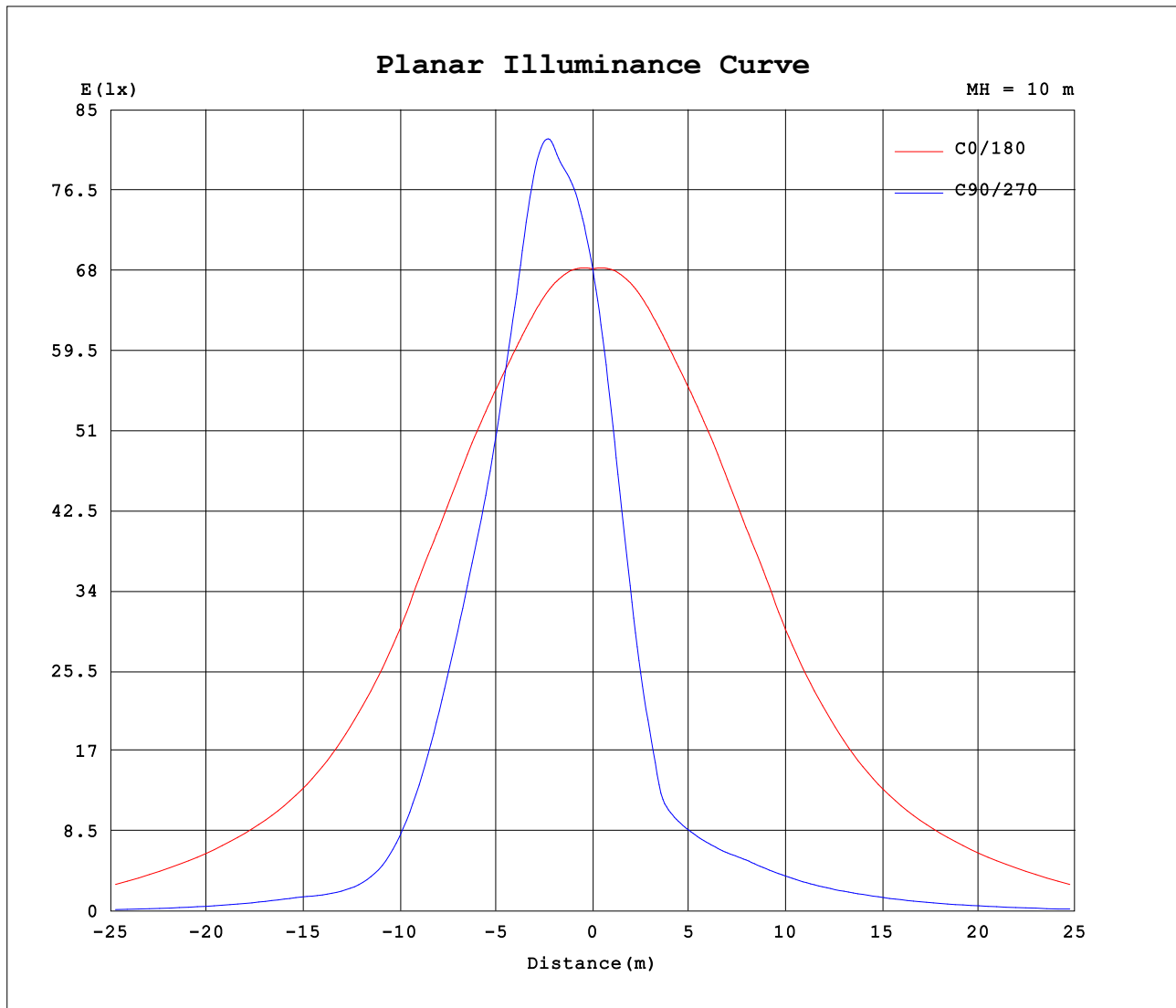
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Checker:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

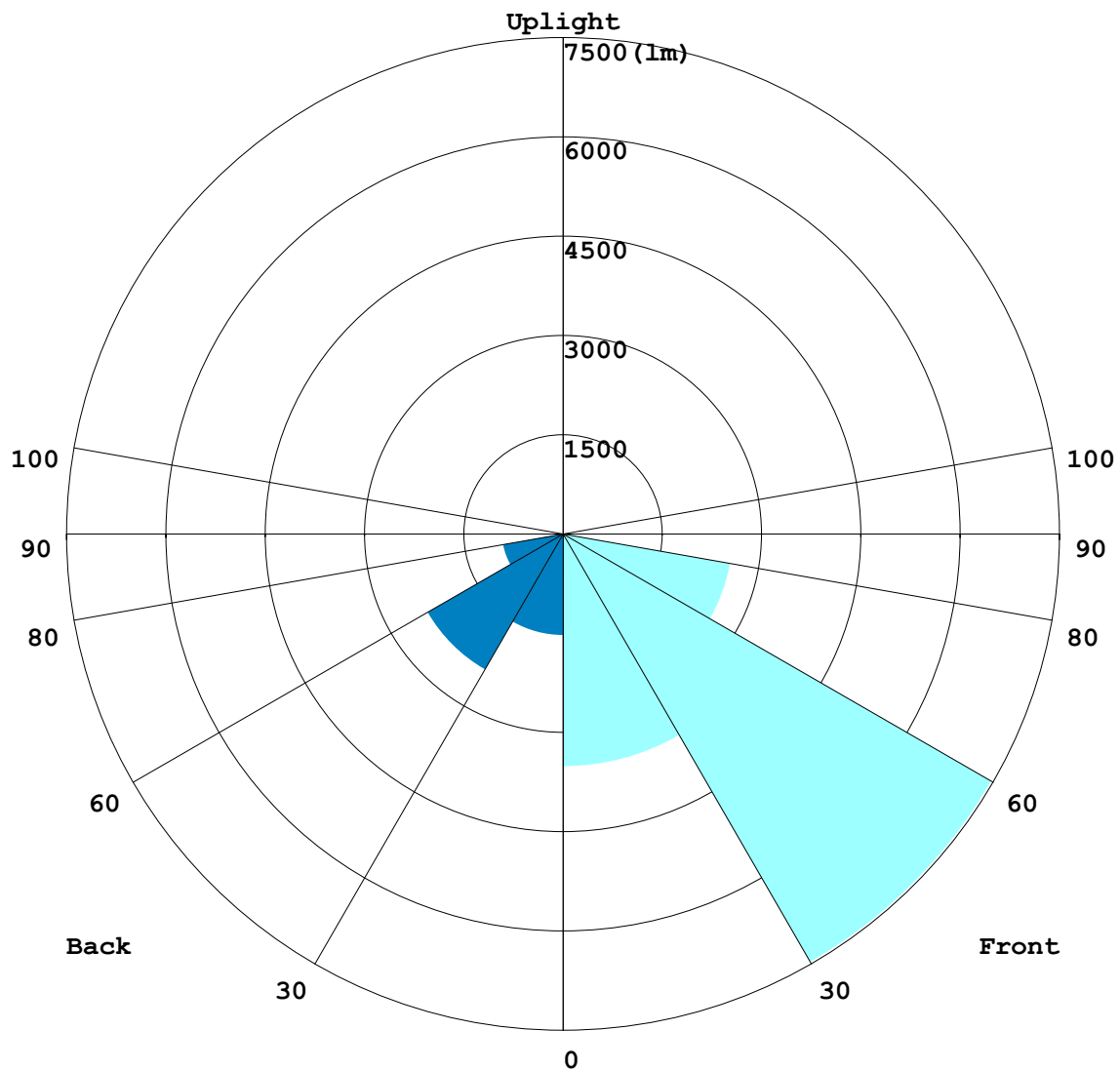
Checker:

Assessor:

LCS REPORT

Test:U:230.0V I:0.6718A P:149.2W PF:0.9656 Lamp Flux:18396.2x1 lm		
NAME: ST07-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra70 R17603	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:230.0V I:0.6718A P:149.2W PF:0.9656 Lamp Flux:18396.2x1 lm		
NAME: ST07-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra70 R17603	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3511.4	19.1
FM - Front-Medium(30-60)	7469.3	40.6
FH - Front-High(60-80)	2559.9	13.9
FVH - Front-Very High(80-90)	24.251	0.1
Total Forward Light	13565	73.7

BL - Back-Low(0-30)	1528.1	8.3
BM - Back-Medium(30-60)	2364.3	12.9
BH - Back-High(60-80)	918.82	5.0
BVH - Back-Very High(80-90)	20.153	0.1
Total Back Light	4831.3	26.3

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4831.3	0	4831.3
Street Side	13565	0	13565

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

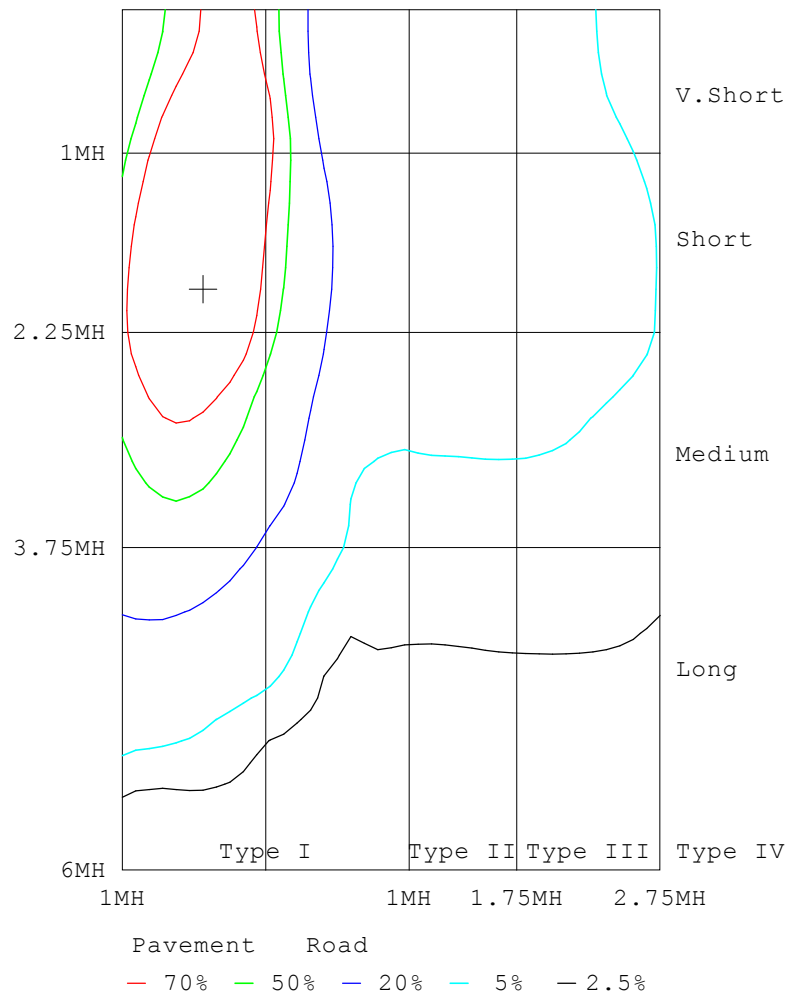
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.6718A P:149.2W PF:0.9656 Lamp Flux:18396.2x1 lm		
NAME: ST07-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra70 R17603	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-07-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker:

Assessor:

Assessor:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

```

Assessor:

Assessor:

Assessor:

UNIT: $\times 10 \text{cd}$

Assessor: