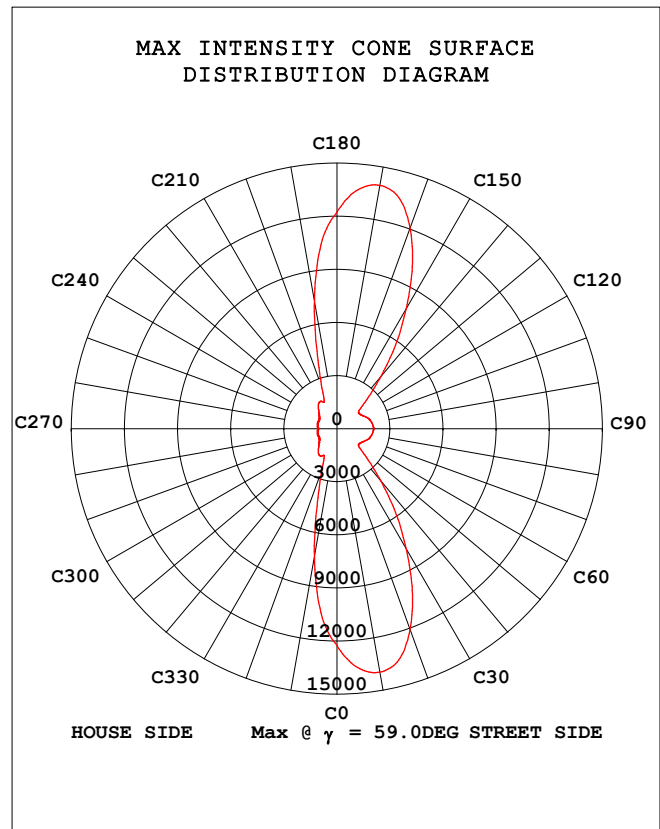
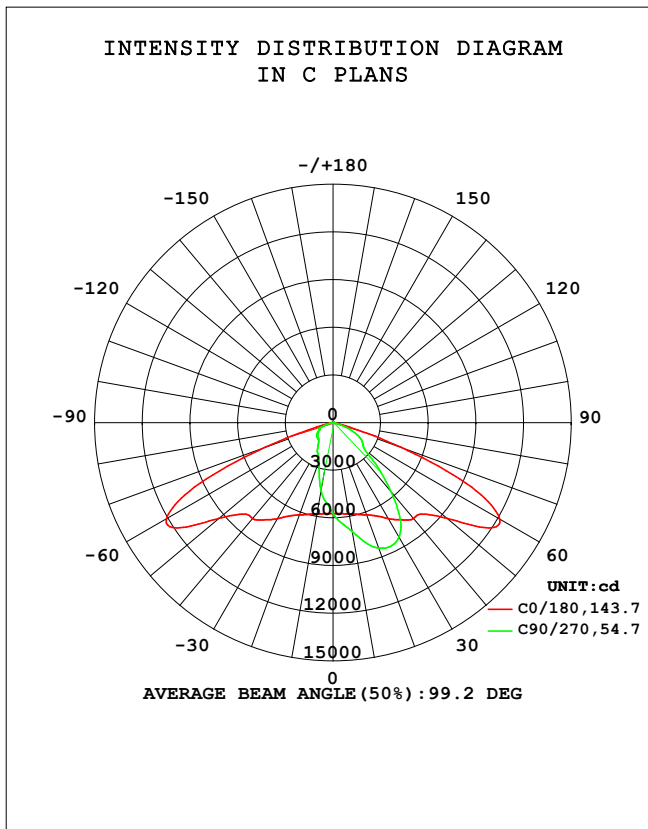


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.7950A P:176.7W PF:0.9663 Lamp Flux:19964.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17604	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.00 lm/W			
MODEL	ST07-180	I _{max} (cd)	13960	η street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	68.1
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	19965	η house_up (%)	0.0
NOMINAL FLUX (lm)	19964.7	MAXIMUM @ (C, γ)	10,59.0	η house_down (%)	31.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



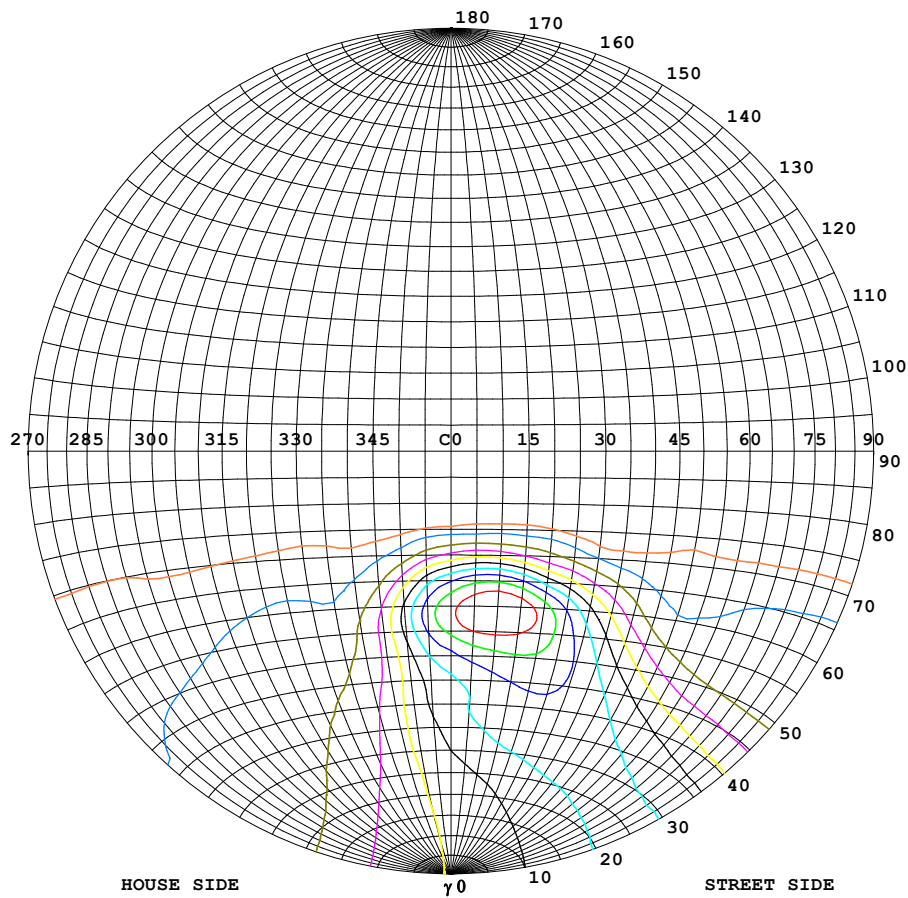
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-06-30

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 I - Short

CIE:Narrow - Short

IES:Cut-off

CIE:Full cut-off

Max.At80:12.83cd/klm

Max.At90:0.9048cd/klm

Max.80-90:12.83cd/klm

ISOCANDELA DIAGRAM

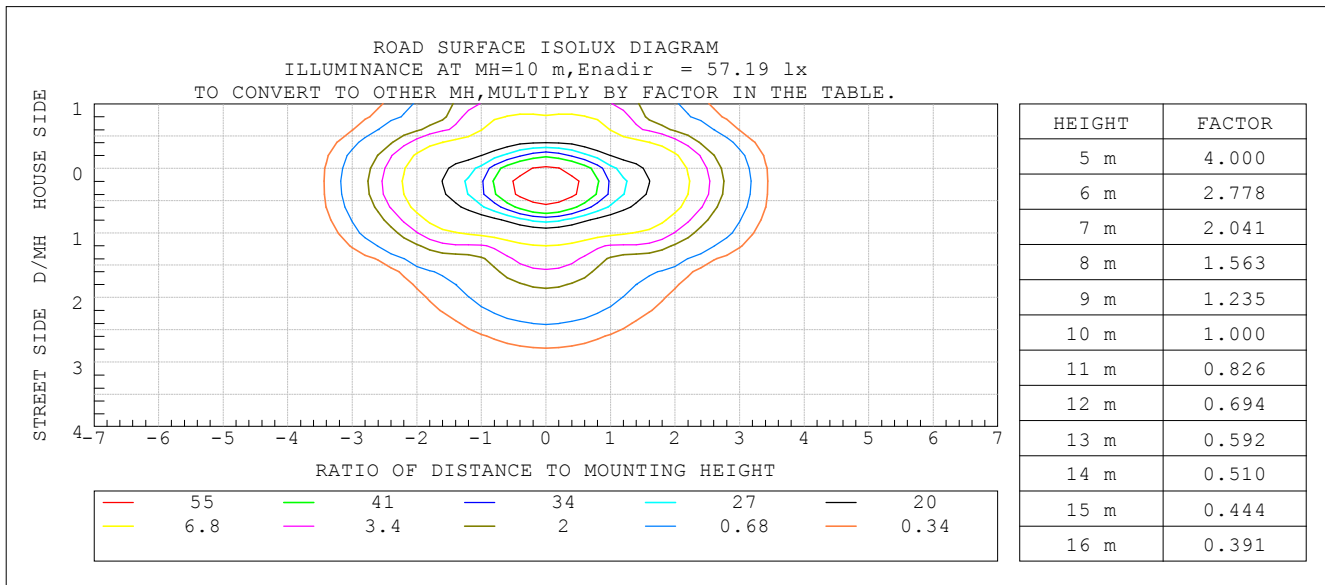
UNIT	cd
Imax=100%	13960
90%	12564
80%	11168
70%	9772
60%	8376
50%	6980
40%	5584
30%	4188
20%	2792
10%	1396
5%	698

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-06-30

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: 2017-06-30

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	575.5	617.9	634.8	617.9	575.5	524.6	504.4	524.6	0- 5	136.6	136.6	0.68,0.68
10	583.5	661.2	695.9	661.2	583.5	486.5	437.3	486.5	5- 10	410.1	546.7	2.74,2.74
15	598.2	717.2	778.3	717.2	598.2	426.6	337.8	426.6	10- 15	681.1	1228	6.15,6.15
20	618.2	783.5	840.6	783.5	618.2	357.4	261.9	357.4	15- 20	948.8	2177	10.9,10.9
25	648.8	841.2	859.0	841.2	648.8	303.6	223.7	303.6	20- 25	1214	3391	17,17
30	698.9	882.4	831.9	882.4	698.9	274.4	198.3	274.4	25- 30	1483	4873	24.4,24.4
35	747.2	880.8	736.9	880.8	747.2	261.0	161.6	261.0	30- 35	1728	6601	33.1,33.1
40	788.8	837.0	571.9	837.0	788.8	248.0	143.3	248.0	35- 40	1882	8483	42.5,42.5
45	815.6	742.2	406.3	742.2	815.6	227.6	137.9	227.6	40- 45	1931	10413	52.2,52.2
50	939.0	579.6	258.7	579.6	939.0	206.0	132.6	206.0	45- 50	1945	12358	61.9,61.9
55	1150	391.4	229.6	391.4	1150	178.4	122.7	178.4	50- 55	1990	14348	71.9,71.9
60	1211	221.1	200.3	221.1	1211	139.0	106.6	139.0	55- 60	2029	16377	82,82
65	962.2	125.5	151.4	125.5	962.2	100.2	94.50	100.2	60- 65	1753	18130	90.8,90.8
70	453.1	82.06	90.78	82.06	453.1	72.11	65.06	72.11	65- 70	1129	19259	96.5,96.5
75	84.75	53.00	26.14	53.00	84.75	42.56	30.57	42.56	70- 75	483.5	19742	98.9,98.9
80	22.75	18.96	4.336	18.96	22.75	16.33	2.733	16.33	75- 80	168.9	19911	99.7,99.7
85	4.077	2.737	0.8613	2.737	4.077	2.517	0.4147	2.517	80- 85	45.91	19957	100,100
90	1.408	0.4688	0.3776	0.4688	1.408	0.8426	0.5017	0.8426	85- 90	7.417	19965	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		

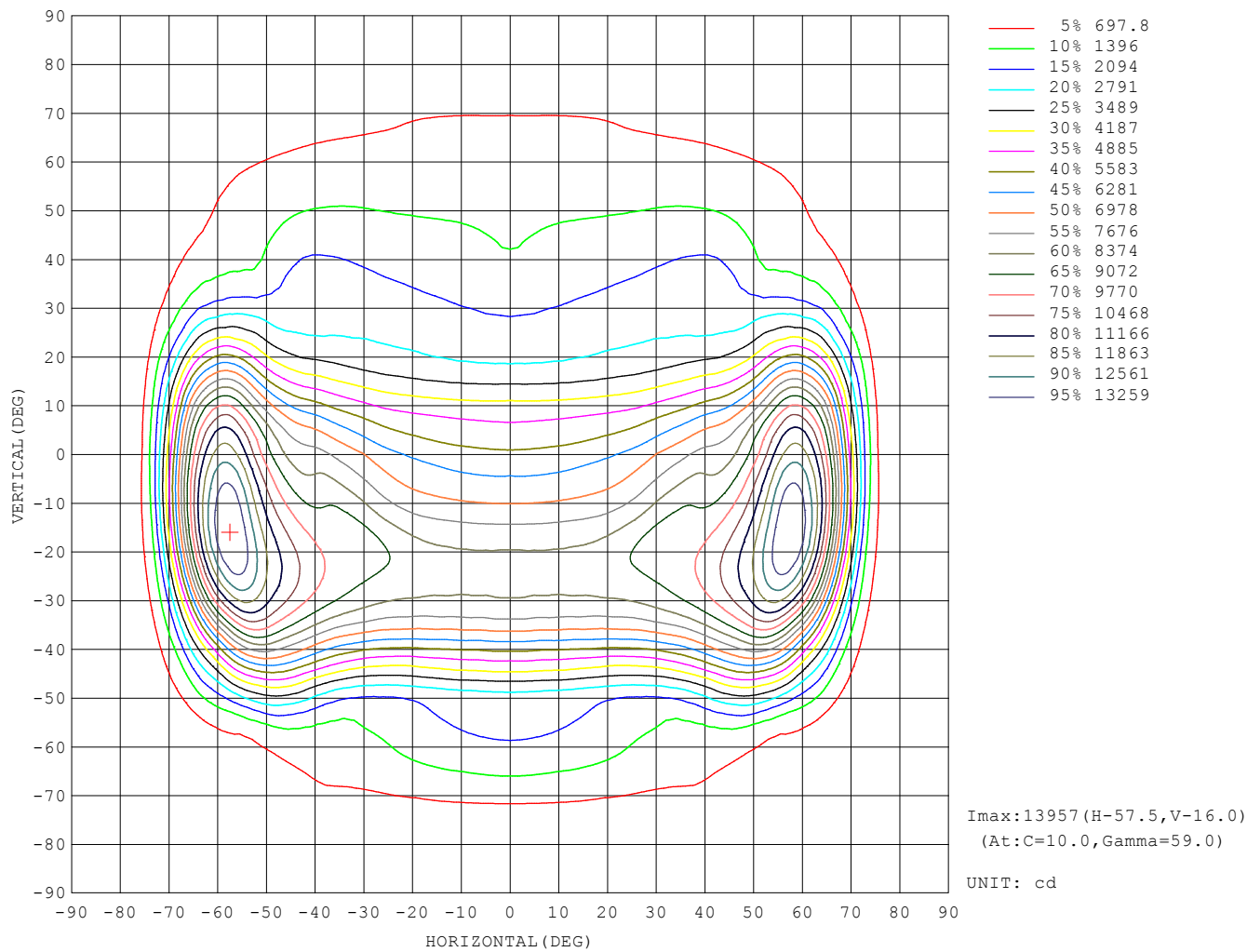
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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:

ISOCANDELA DIAGRAM



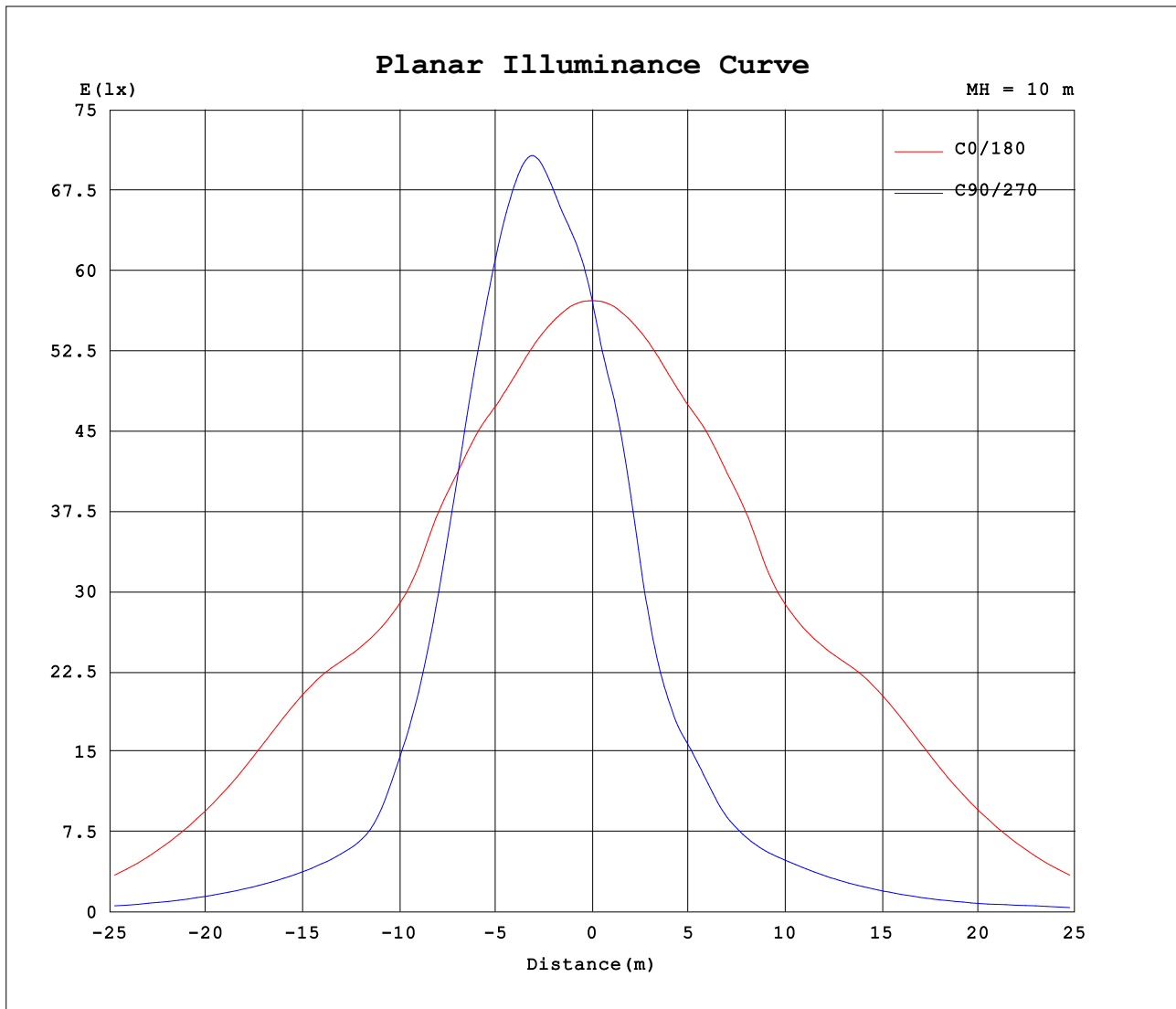
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-06-30

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: 2017-06-30

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:

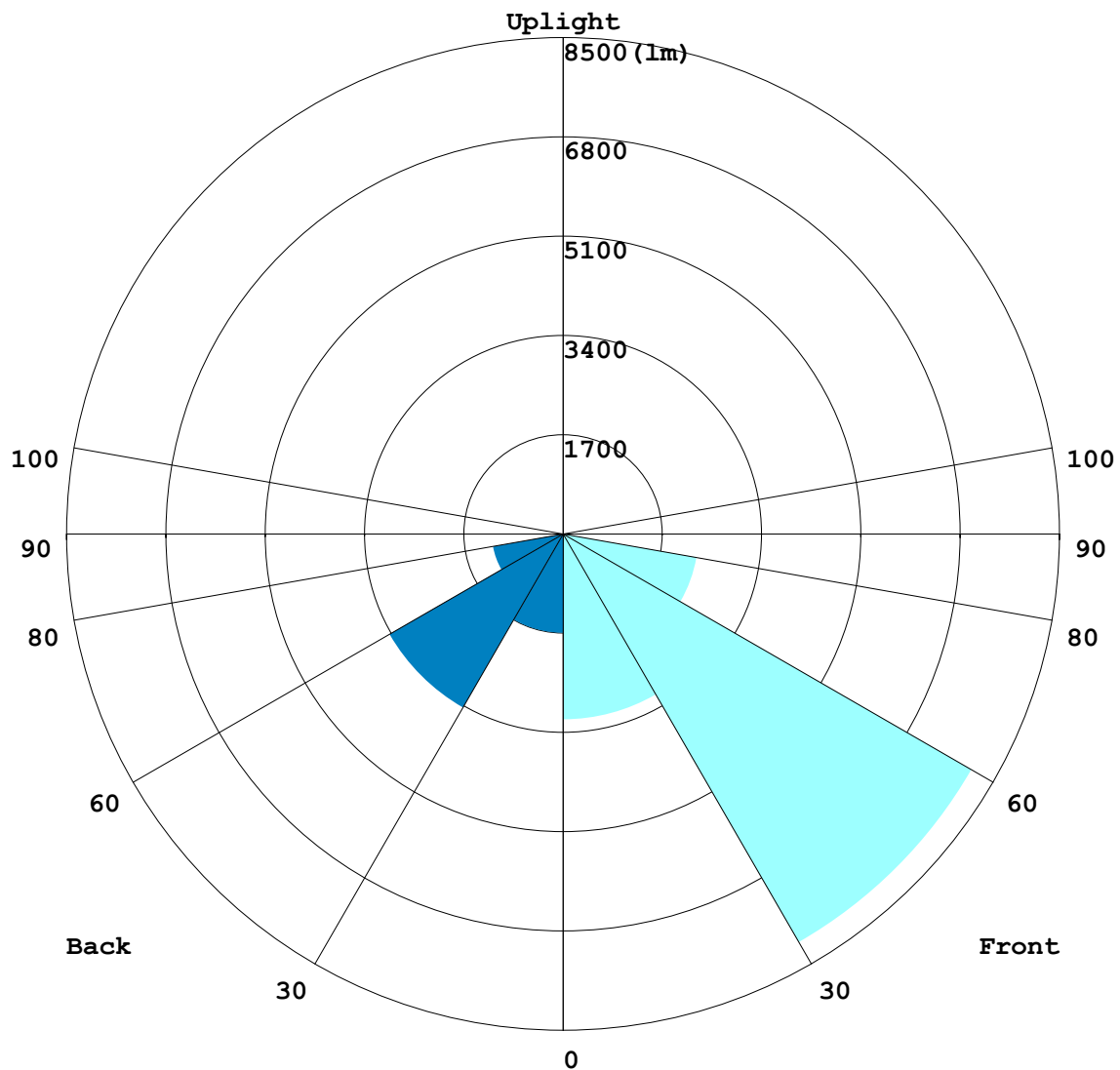
Checker:

Assessor:

LCS REPORT

Test:U:230.0V I:0.7950A P:176.7W PF:0.9663 Lamp Flux:19964.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17604	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:2017-06-30

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:0.7950A P:176.7W PF:0.9663 Lamp Flux:19964.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17604	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)	3178.1	15.9
FM - Front-Medium(30-60)	8073.6	40.4
FH - Front-High(60-80)	2317.5	11.6
FVH - Front-Very High(80-90)	28.651	0.1
Total Forward Light	13598	68.1

BL - Back-Low(0-30)	1695.1	8.5
BM - Back-Medium(30-60)	3430.1	17.2
BH - Back-High(60-80)	1217.1	6.1
BVH - Back-Very High(80-90)	24.673	0.1
Total Back Light	6366.9	31.9

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	6366.9	0	6366.9
Street Side	13598	0	13598

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-06-30

Checker:

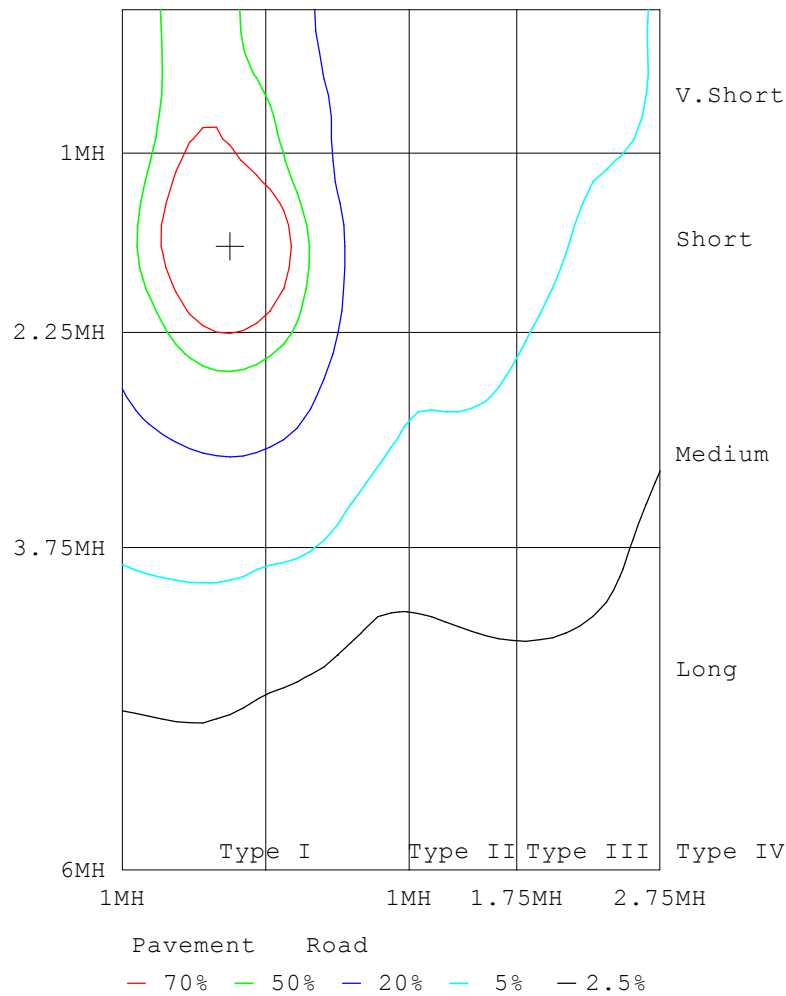
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.7950A P:176.7W PF:0.9663 Lamp Flux:19964.7x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17604	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:2017-06-30

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: $\times 10 \text{cd}$ [illegible]

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-06-30

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:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor: