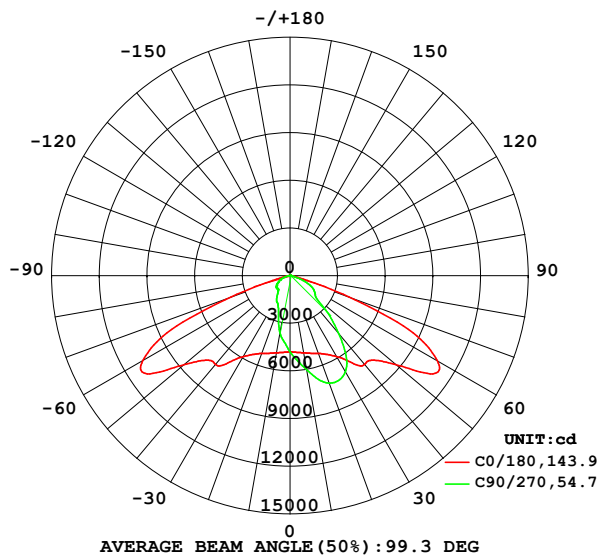
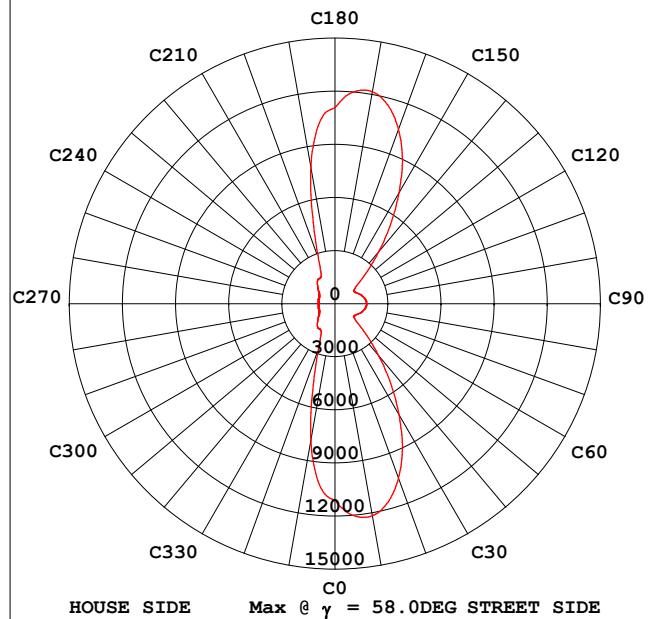


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.6714A P:149.0W PF:0.9658 Lamp Flux:17566.2x1 lm		
NAME: ST07-150	TYPE:150W	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: 117.86 lm/W			
MODEL	ST07-150	Imax(cd)	12176	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	67.5
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	17566	η house_up(%)	0.0
NOMINAL FLUX(lm)	17566.2	MAXIMUM @ (C, γ)	8,58.0	η house_down(%)	32.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

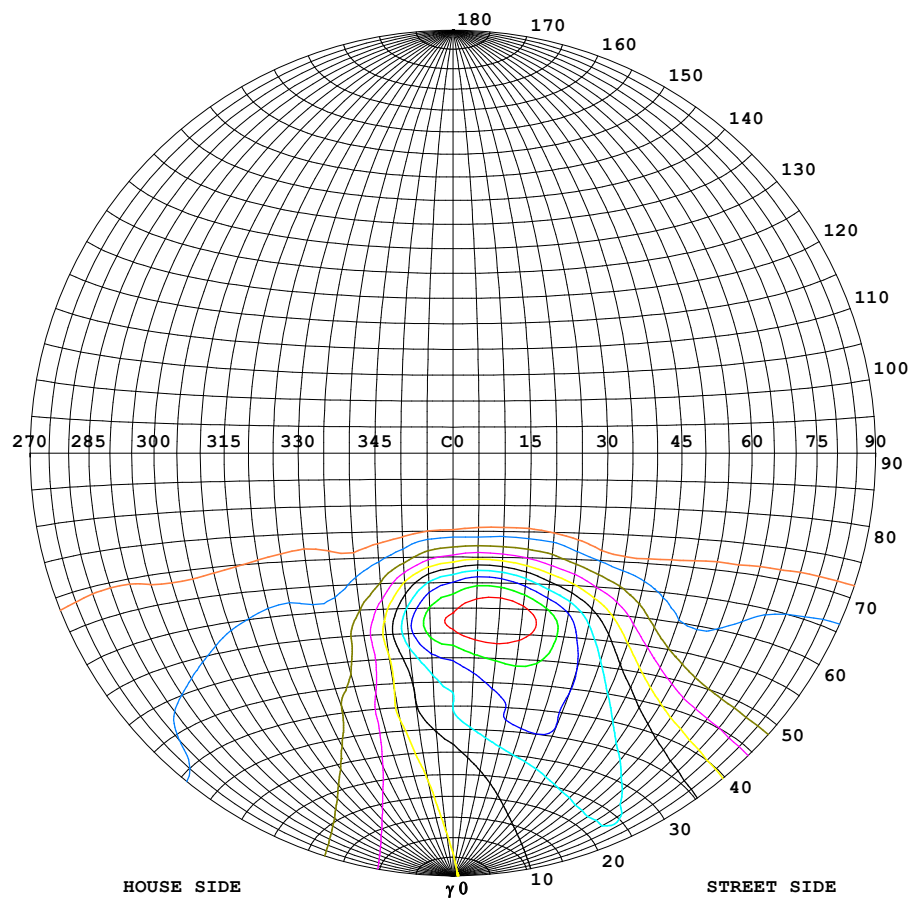
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-06-30

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:
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.At80:12.59cd/klm
Max.At90:0.8597cd/klm
Max.80-90:12.59cd/klm

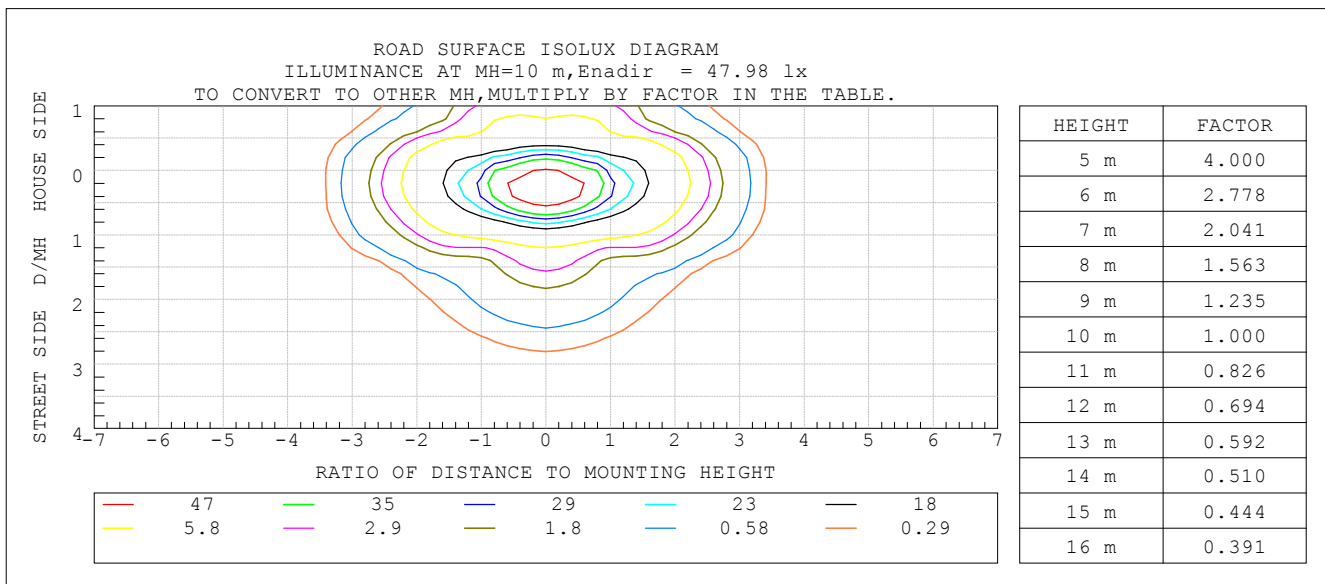
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12176
90%	10959
80%	9741
70%	8523
60%	7306
50%	6088
40%	4870
30%	3653
20%	2435
10%	1218
5%	609

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	485.3	522.8	536.4	522.8	485.3	439.7	420.8	439.7	0- 5	114.9	114.9	0.65,0.65
10	493.7	571.2	600.1	571.2	493.7	408.7	368.7	408.7	5- 10	347.6	462.5	2.63,2.63
15	506.6	627.4	672.8	627.4	506.6	365.1	285.2	365.1	10- 15	584.1	1047	5.96,5.96
20	521.9	687.0	720.2	687.0	521.9	304.0	216.9	304.0	15- 20	816.3	1863	10.6,10.6
25	547.5	734.9	727.2	734.9	547.5	251.1	189.5	251.1	20- 25	1044	2907	16.5,16.5
30	589.3	774.0	698.2	774.0	589.3	226.7	171.1	226.7	25- 30	1273	4180	23.8,23.8
35	665.9	772.5	616.6	772.5	665.9	218.6	136.1	218.6	30- 35	1503	5683	32.3,32.3
40	730.5	732.2	478.3	732.2	730.5	214.6	119.3	214.6	35- 40	1670	7352	41.9,41.9
45	754.0	657.5	346.8	657.5	754.0	201.8	116.7	201.8	40- 45	1731	9083	51.7,51.7
50	872.2	516.2	215.3	516.2	872.2	185.3	113.7	185.3	45- 50	1754	10837	61.7,61.7
55	1078	356.5	192.4	356.5	1078	160.8	104.7	160.8	50- 55	1813	12650	72,72
60	1070	202.9	170.6	202.9	1070	123.0	87.82	123.0	55- 60	1827	14477	82.4,82.4
65	856.0	109.0	132.5	109.0	856.0	84.05	70.49	84.05	60- 65	1524	16001	91.1,91.1
70	397.2	66.53	81.12	66.53	397.2	59.47	50.80	59.47	65- 70	970.5	16972	96.6,96.6
75	67.57	41.03	22.23	41.03	67.57	35.30	25.30	35.30	70- 75	407.9	17380	98.9,98.9
80	19.47	16.32	3.862	16.32	19.47	13.48	1.949	13.48	75- 80	140.6	17520	99.7,99.7
85	3.800	2.476	0.7483	2.476	3.800	2.080	0.3324	2.080	80- 85	39.49	17560	100,100
90	1.225	0.3818	0.2891	0.3818	1.225	0.6697	0.4100	0.6697	85- 90	6.541	17566	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		

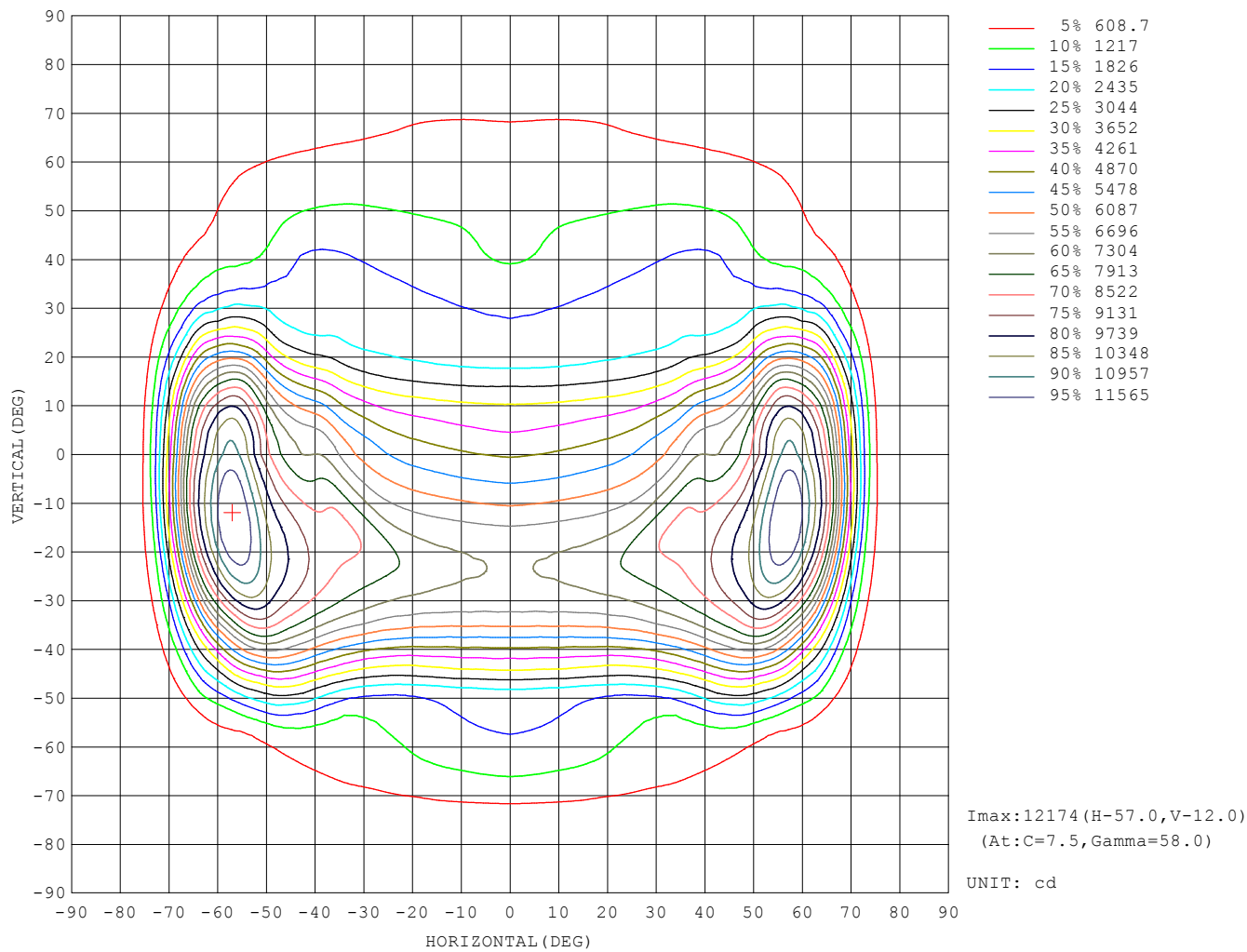
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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



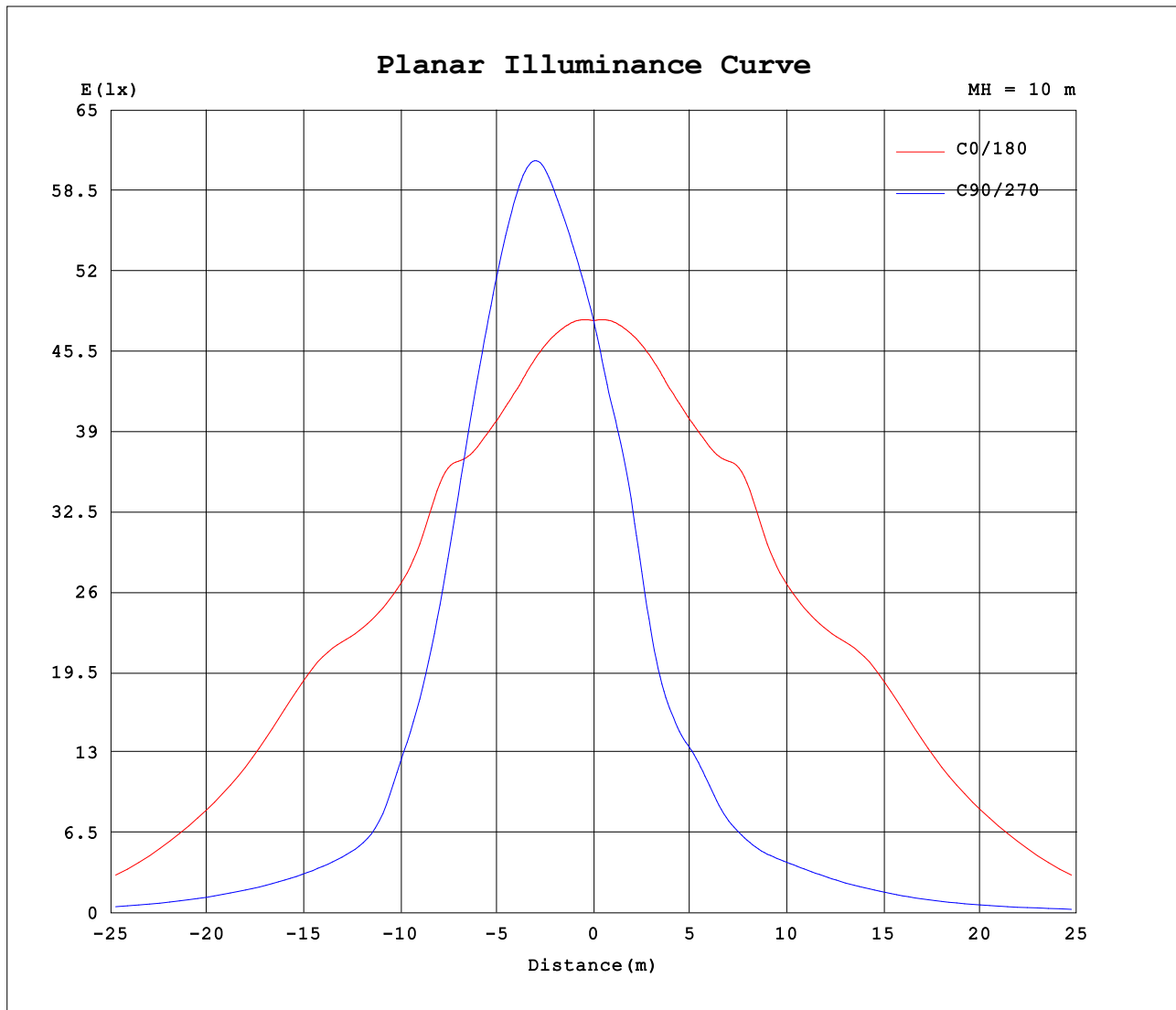
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-06-30

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:

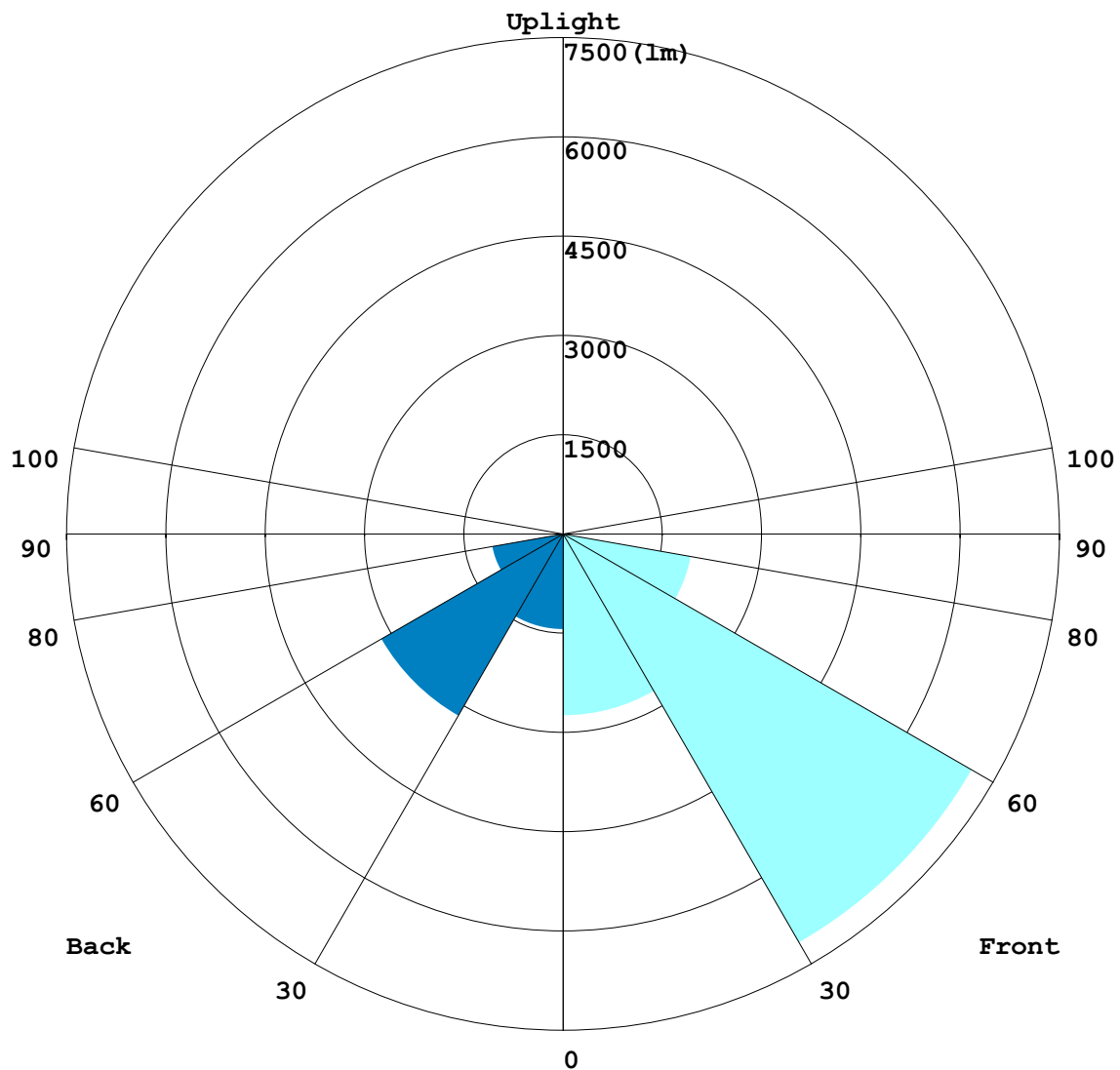
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.6714A P:149.0W PF:0.9658 Lamp Flux:17566.2x1 lm		
NAME: ST07-150	TYPE:150W	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:229.9V I:0.6714A P:149.0W PF:0.9658 Lamp Flux:17566.2x1 lm		
NAME: ST07-150	TYPE:150W	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)	2741	15.6
FM - Front-Medium(30-60)	7128.5	40.6
FH - Front-High(60-80)	1956.9	11.1
FVH - Front-Very High(80-90)	25.127	0.1
Total Forward Light	11852	67.5

BL - Back-Low(0-30)	1439	8.2
BM - Back-Medium(30-60)	3168.7	18.0
BH - Back-High(60-80)	1086	6.2
BVH - Back-Very High(80-90)	20.9	0.1
Total Back Light	5714.5	32.5

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	5714.5	0	5714.5
Street Side	11852	0	11852

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

Checker:

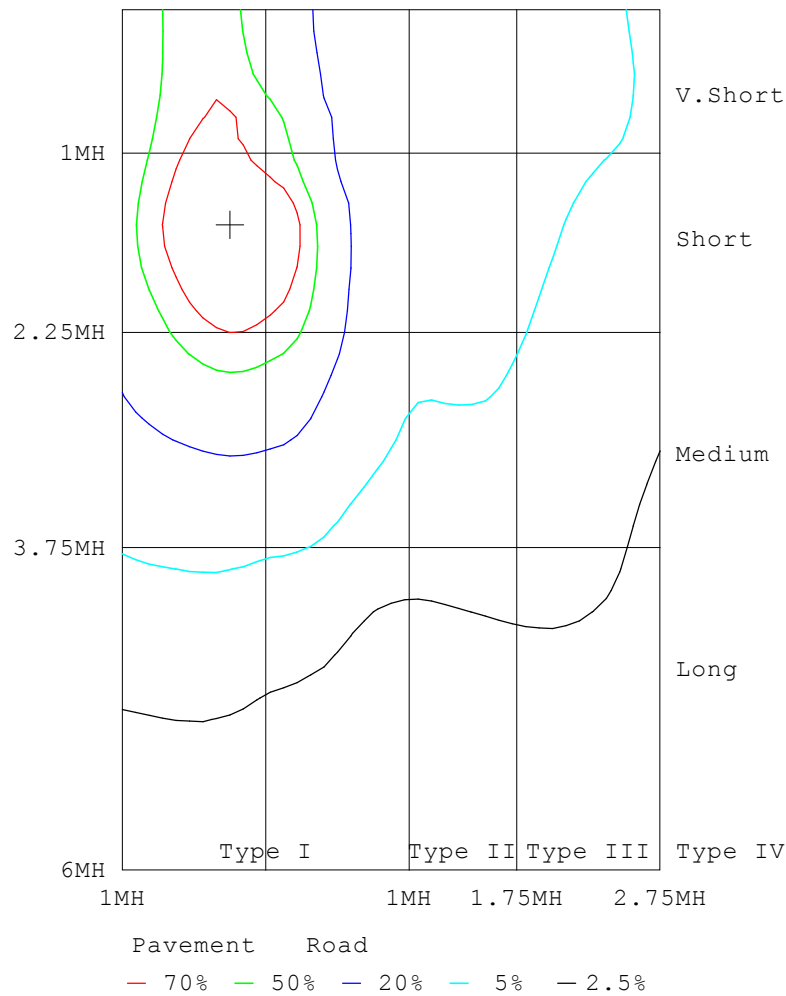
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.6714A P:149.0W PF:0.9658 Lamp Flux:17566.2x1 lm		
NAME: ST07-150	TYPE:150W	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:

Assessor:

Assessor:

Assessor:

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:

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

Assessor: