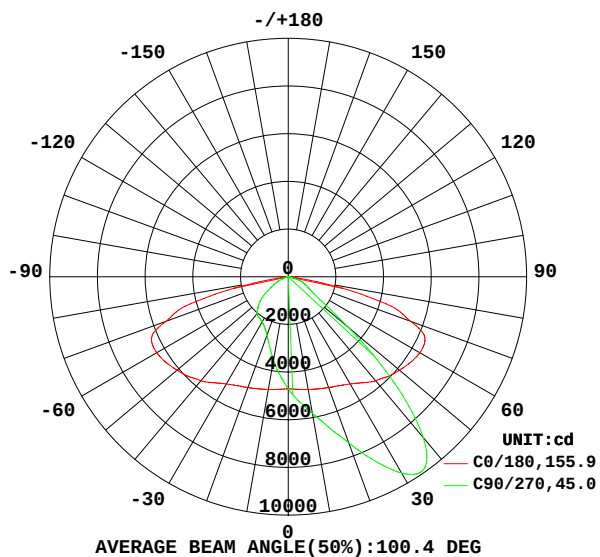
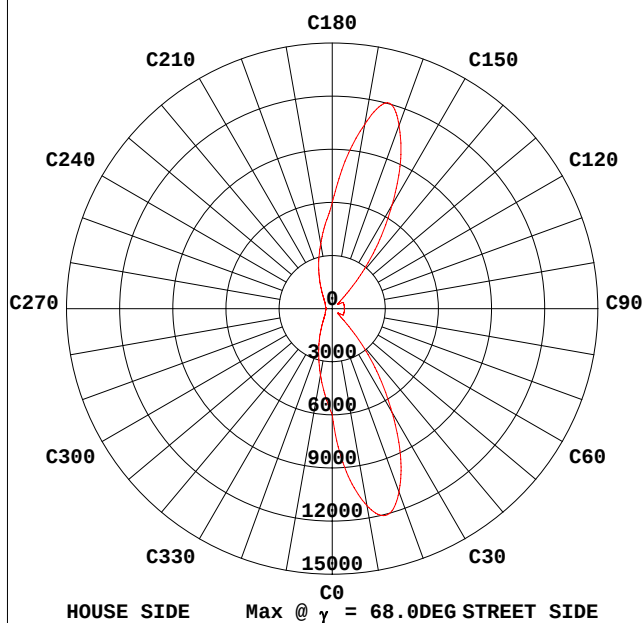


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.7954A P:176.8W PF:0.9671 Lamp Flux:20938.4x1 lm		
NAME: ST07-180	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17602	DIM.: 0.755*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.07 lm/W			
MODEL	ST07-180	I _{max} (cd)	12049	η street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	99.7	η street_down(%)	71.3
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	20880	η house_up(%)	0.0
NOMINAL FLUX(lm)	20938.4	MAXIMUM @(C,γ)	15,68.0	η house_down(%)	28.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	99.7	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

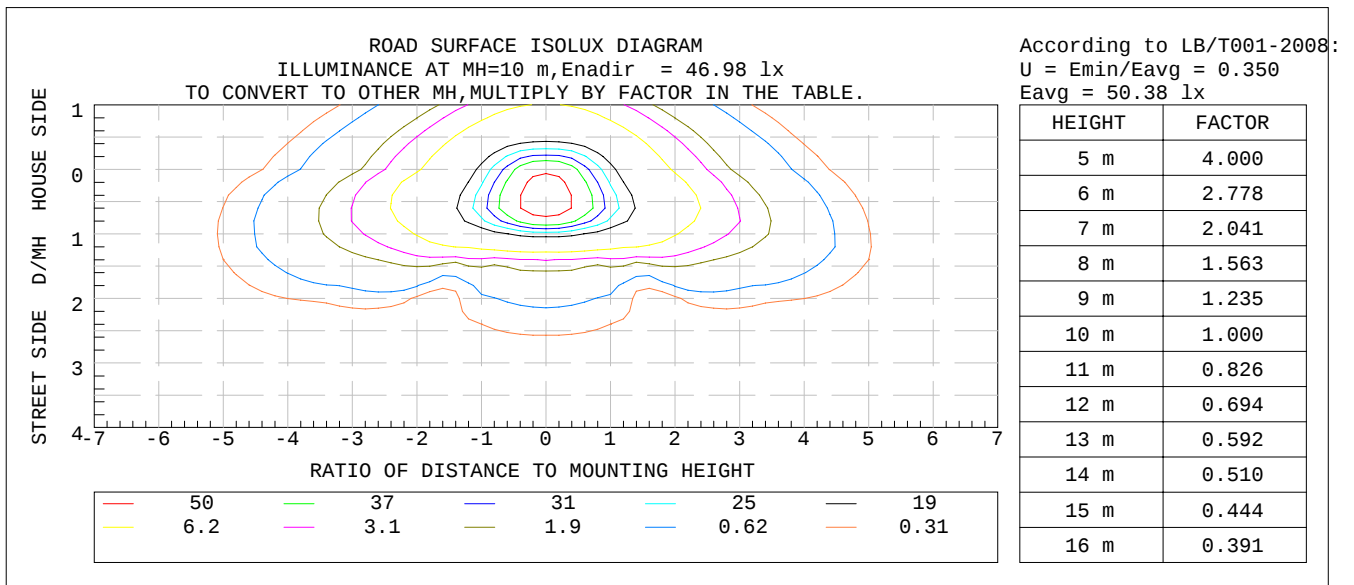
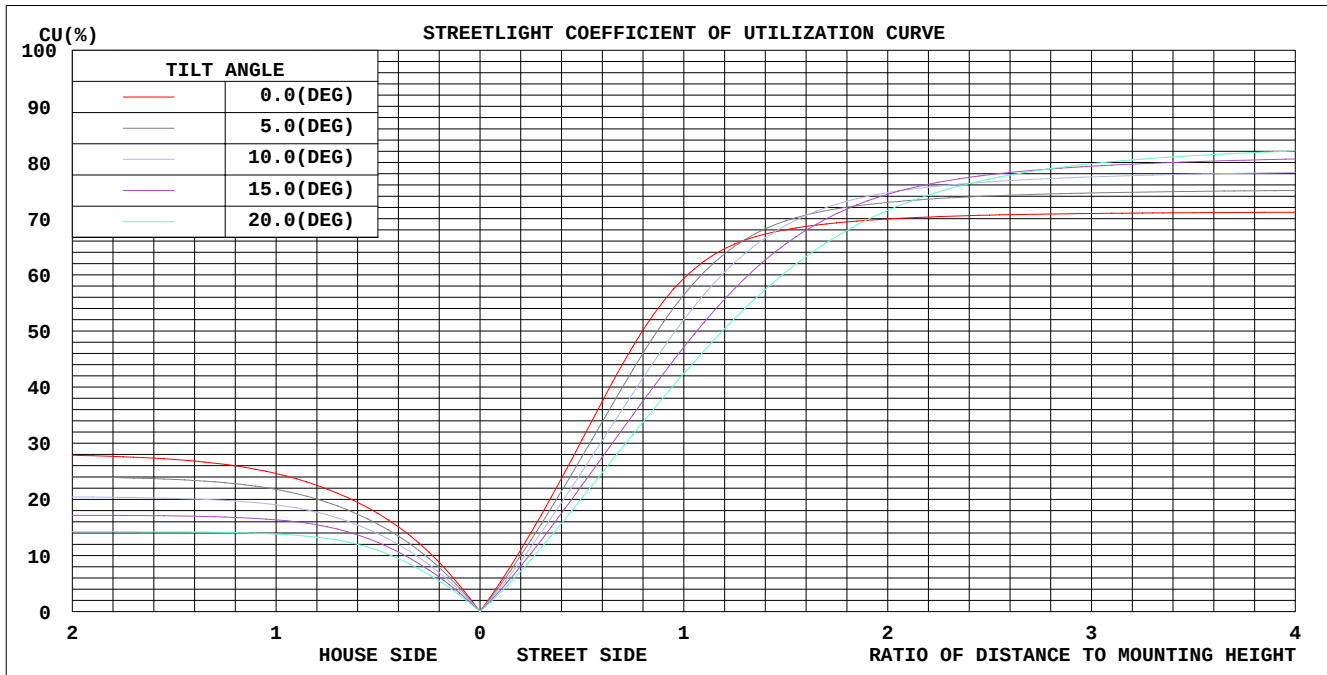
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:
 Note: SLI:Specific Luminaire Index

Assessor:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2016-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [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	474.1	511.6	525.2	511.6	474.1	431.4	412.6	431.4	0- 5	112.6	112.6	0.54, 0.54
10	480.3	552.1	581.3	552.1	480.3	396.2	356.8	396.2	5- 10	338.4	450.9	2.16, 2.15
15	486.9	594.9	652.9	594.9	486.9	362.2	303.0	362.2	10- 15	566.2	1017	4.87, 4.86
20	494.7	641.9	740.7	641.9	494.7	333.6	261.6	333.6	15- 20	802.0	1819	8.71, 8.69
25	504.6	692.5	849.1	692.5	504.6	308.1	234.7	308.1	20- 25	1055	2874	13.8, 13.7
30	519.3	760.7	950.6	760.7	519.3	288.0	219.4	288.0	25- 30	1333	4208	20.2, 20.1
35	543.1	843.6	988.0	843.6	543.1	270.7	211.1	270.7	30- 35	1630	5837	28, 27.9
40	569.8	932.9	880.5	932.9	569.8	256.4	203.4	256.4	35- 40	1907	7745	37.1, 37
45	591.5	994.3	628.9	994.3	591.5	244.2	179.4	244.2	40- 45	2095	9840	47.1, 47
50	609.4	964.3	323.5	964.3	609.4	227.8	149.1	227.8	45- 50	2138	11978	57.4, 57.2
55	626.3	757.8	152.2	757.8	626.3	194.0	106.0	194.0	50- 55	2041	14019	67.1, 67
60	637.3	460.8	102.6	460.8	637.3	148.6	73.21	148.6	55- 60	1891	15910	76.2, 76
65	632.5	136.6	81.17	136.6	632.5	89.74	48.90	89.74	60- 65	1709	17619	84.4, 84.1
70	545.5	70.21	57.94	70.21	545.5	48.50	26.32	48.50	65- 70	1441	19060	91.3, 91
75	396.4	42.51	18.26	42.51	396.4	23.10	7.215	23.10	70- 75	1102	20161	96.6, 96.3
80	122.8	20.17	4.729	20.17	122.8	6.664	0.3151	6.664	75- 80	592.9	20754	99.4, 99.1
85	6.599	6.024	2.694	6.024	6.599	1.131	0.3159	1.131	80- 85	113.7	20868	99.9, 99.7
90	0	0	0	0	0	0	0	0	85- 90	12.26	20880	100, 99.7
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: $\times 10\text{cd}$									UNIT: lm		

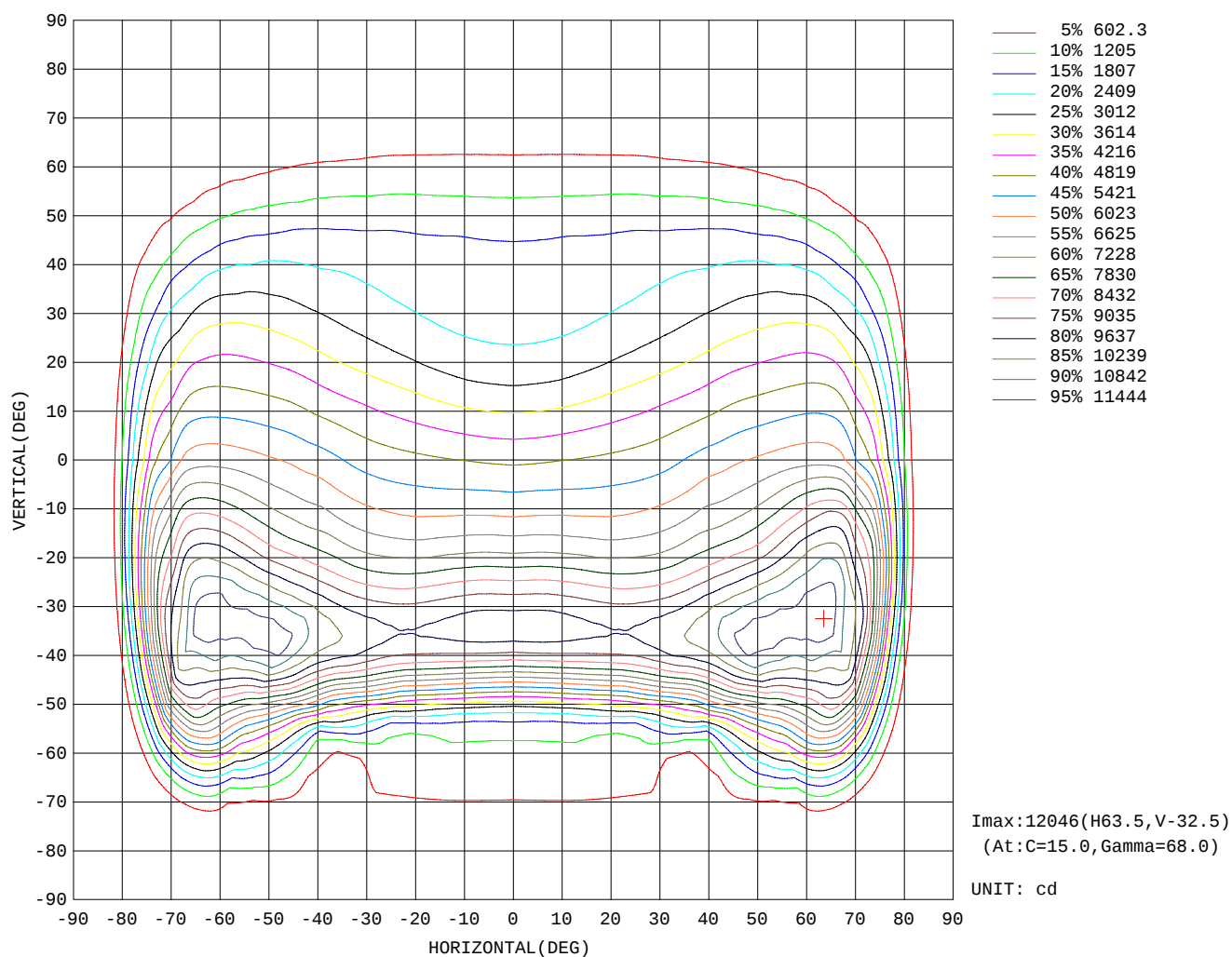
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

ISOCANDELA DIAGRAM



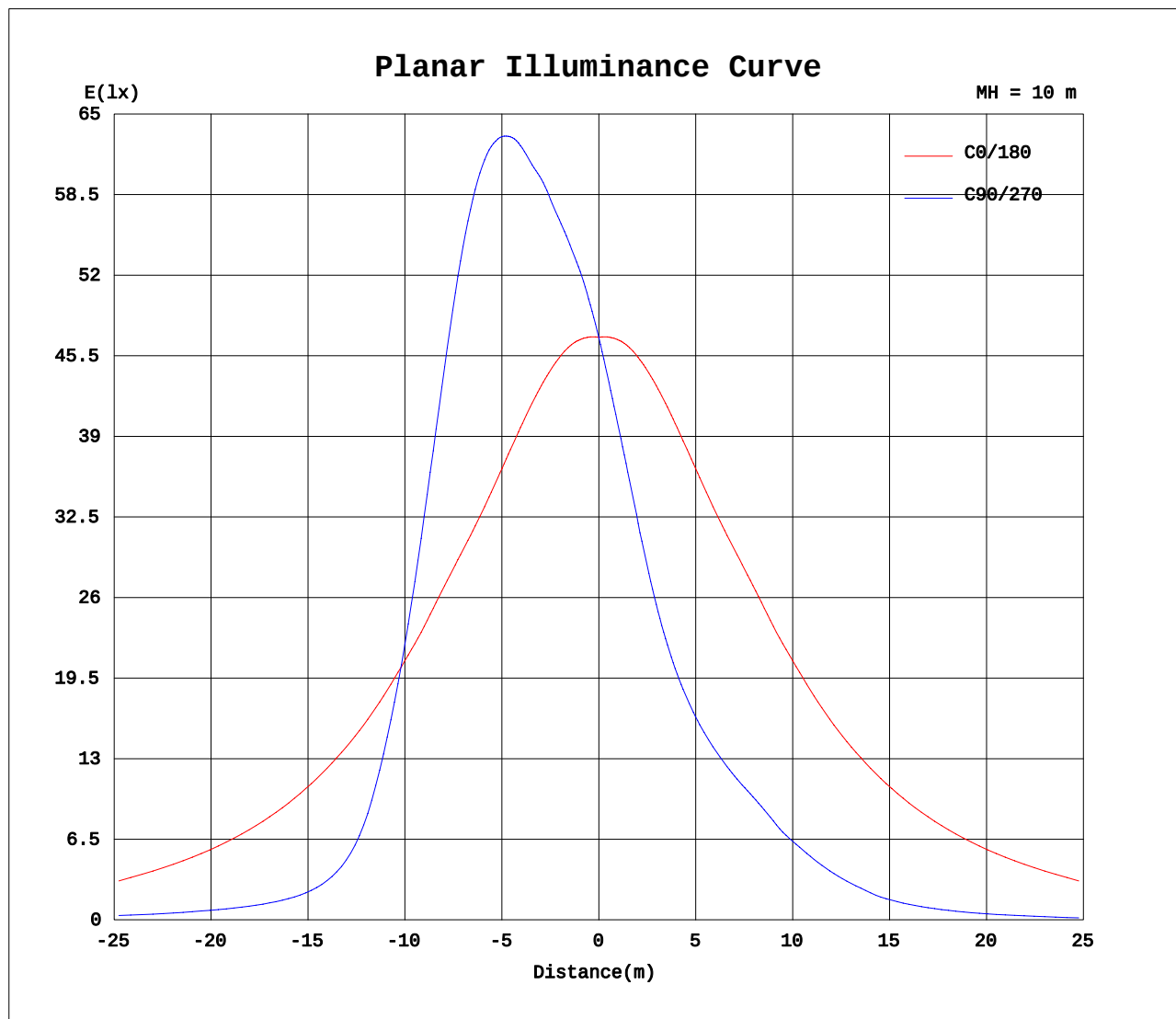
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2016-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

Checker:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2016-11-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

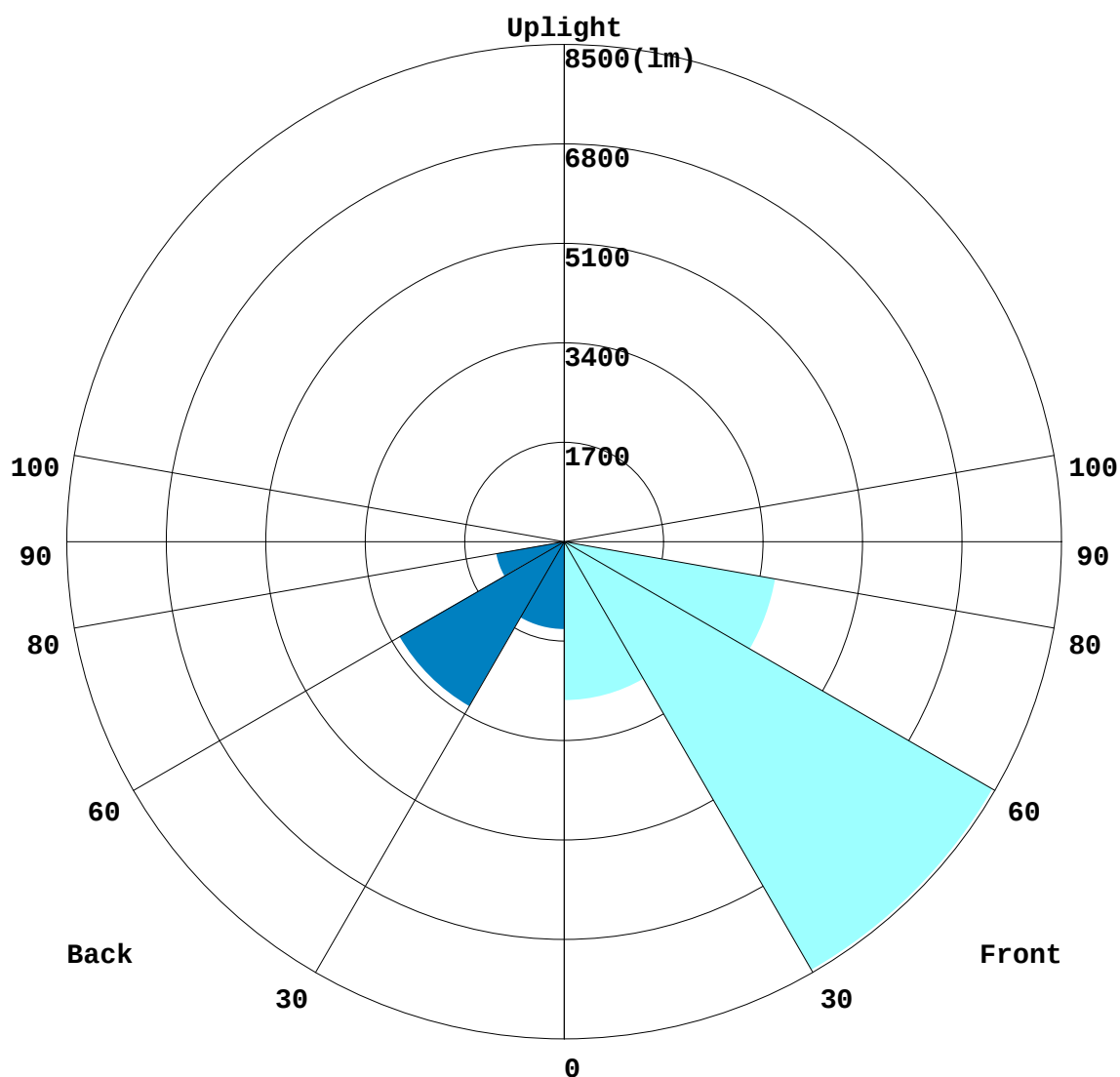
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.7954A P:176.8W PF:0.9671 Lamp Flux:20938.4x1 lm		
NAME: ST07-180	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17602	DIM.: 0.755*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

BUG REPORT

Test:U:229.9V I:0.7954A P:176.8W PF:0.9671 Lamp Flux:20938.4x1 lm		
NAME: ST07-180	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17602	DIM.: 0.755*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2710.2	13.0
FM - Front-Medium(30-60)	8454	40.5
FH - Front-High(60-80)	3668.1	17.6
FVH - Front-Very High(80-90)	103.82	0.5
Total Forward Light	14936	71.5

BL - Back-Low(0-30)	1497.5	7.2
BM - Back-Medium(30-60)	3247.8	15.6
BH - Back-High(60-80)	1176.5	5.6
BVH - Back-Very High(80-90)	22.093	0.1
Total Back Light	5943.9	28.5

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	5943.9	0	5943.9
Street Side	14936	0	14936

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

Checker:

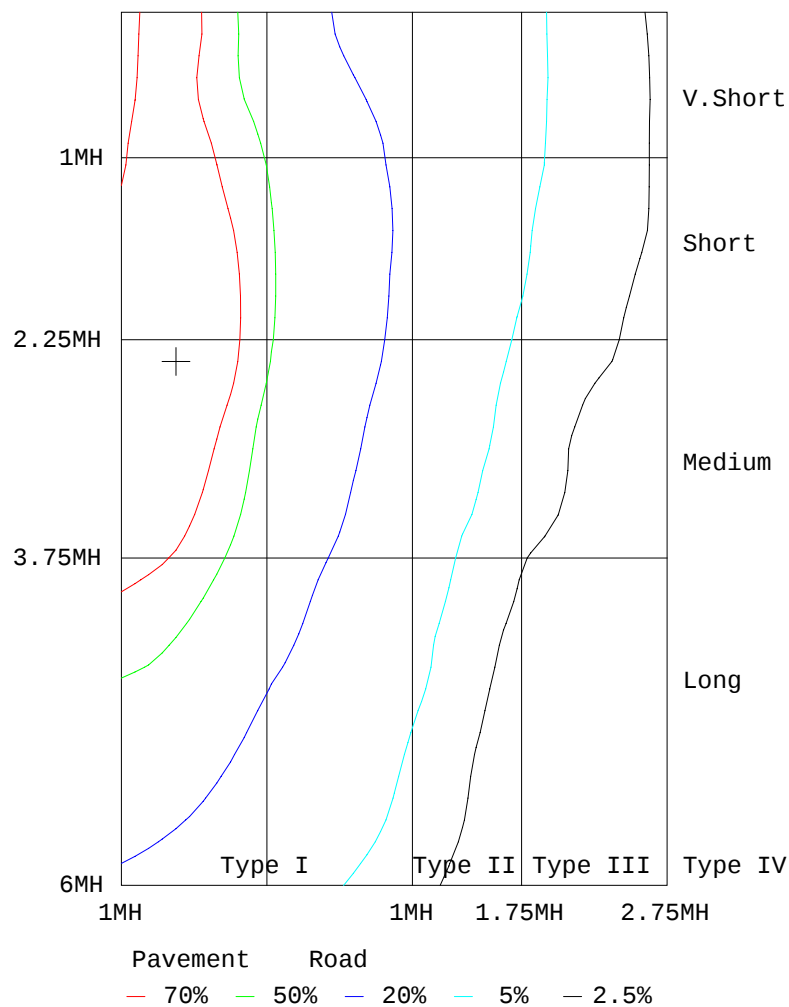
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.7954A P:176.8W PF:0.9671 Lamp Flux:20938.4x1 lm		
NAME: ST07-180	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17602	DIM.: 0.755*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

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

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

```

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

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

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

```

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

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

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

```

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

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

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Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

```

Assessor: