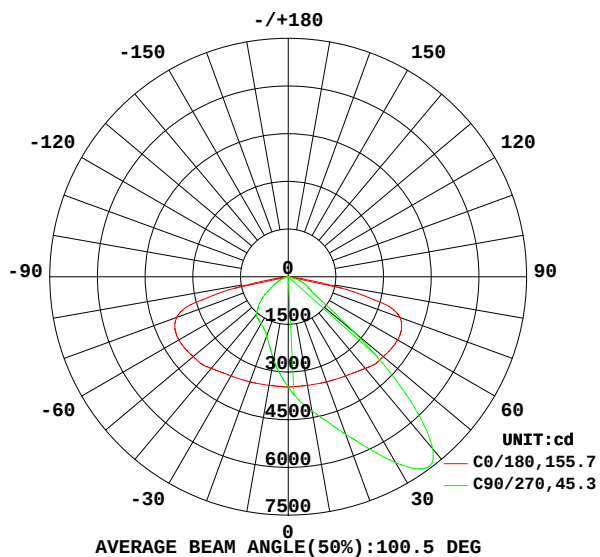
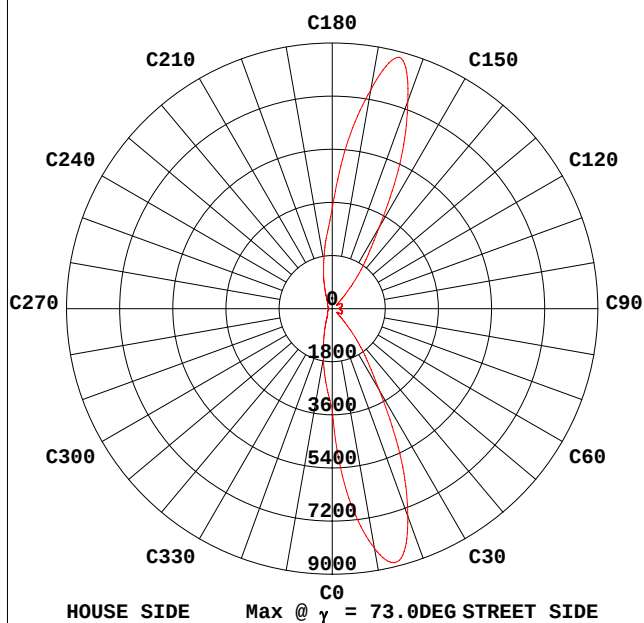


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.5406A P:120.8W PF:0.9720 Lamp Flux:14866.5x1 lm		
NAME: ST07-120	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: 122.67 lm/W			
MODEL	ST07-120	I _{max} (cd)	8820	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	99.7	η street_down(%)	71.5
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	14820	η house_up(%)	0.0
NOMINAL FLUX(lm)	14866.5	MAXIMUM @(C,γ)	15,73.0	η house_down(%)	28.2
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

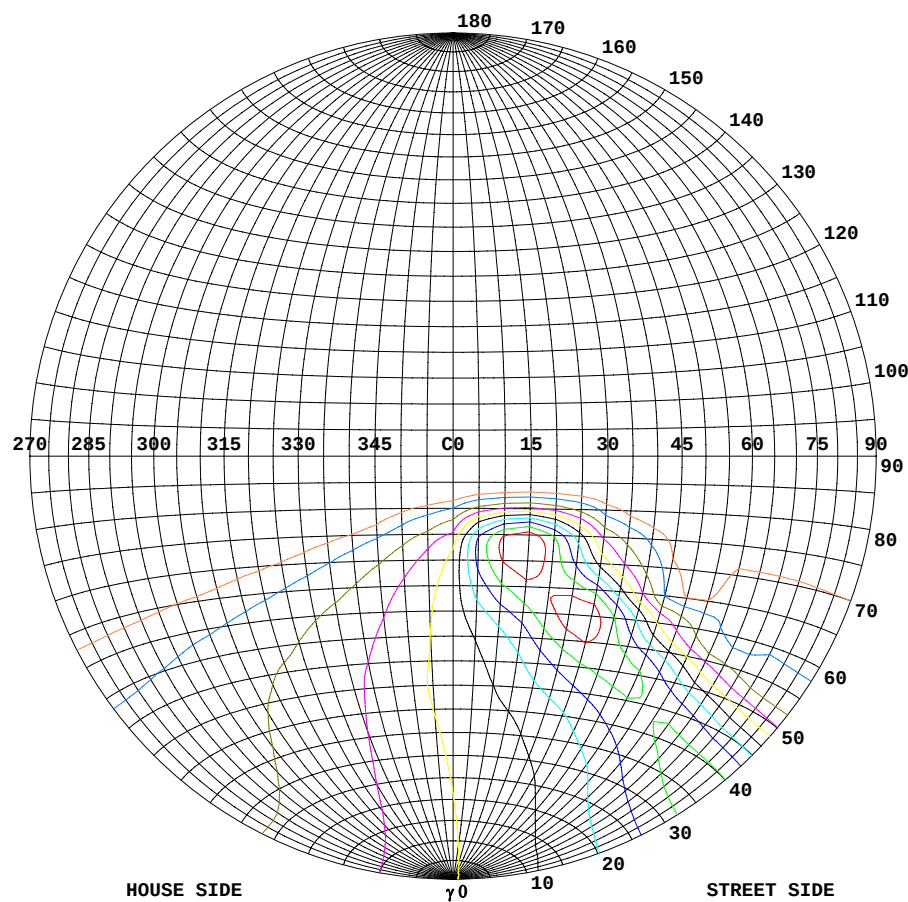
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:
IES:Type II - Medium
CIE:Average - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:197.2cd/klm
Max.At90:0cd/klm
Max.80-90:197.2cd/klm
NRB 5101:Semi limited[12.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8820
90%	7938
80%	7056
70%	6174
60%	5292
50%	4410
40%	3528
30%	2646
20%	1764
10%	882
5%	441

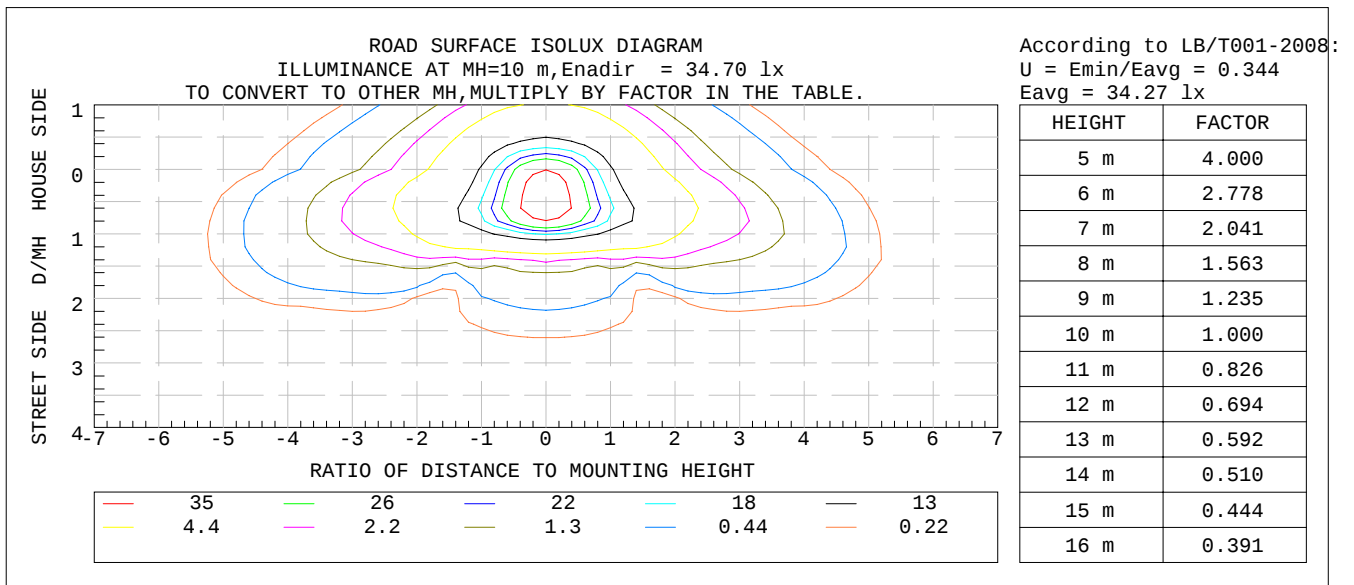
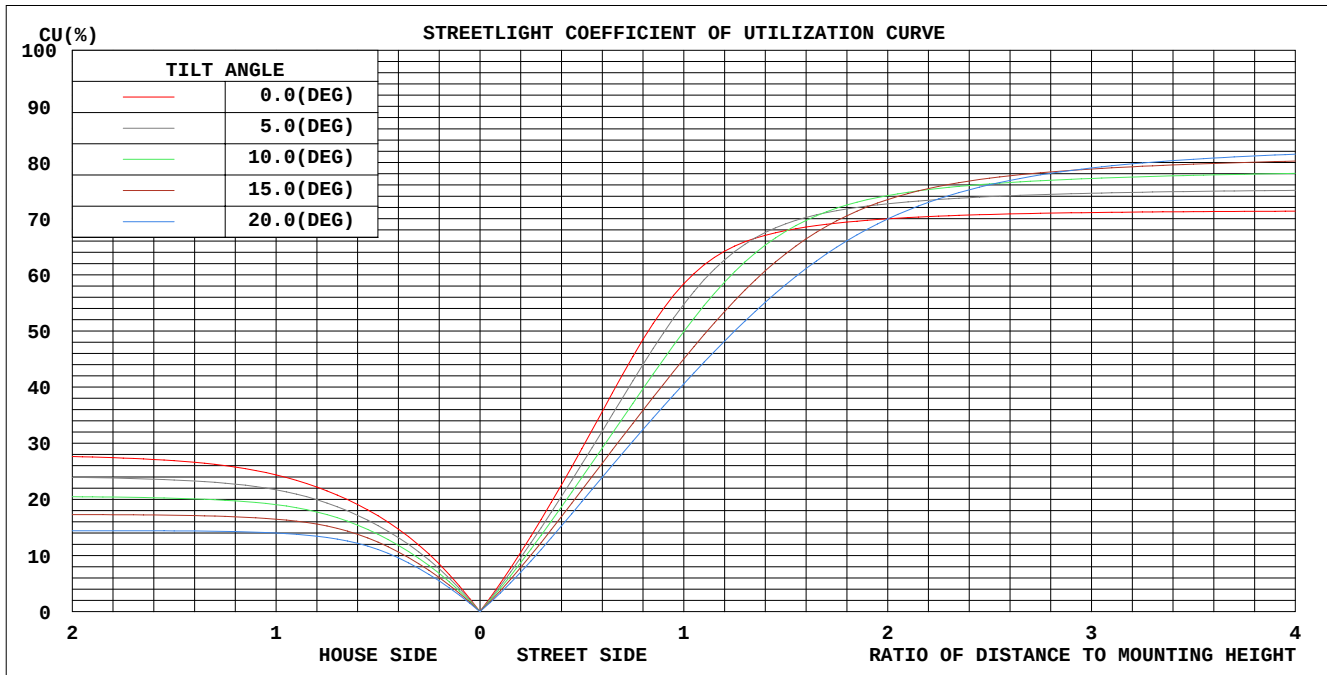
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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:

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	3462	3746	3892	3746	3462	3167	3060	3167	0- 5	82.86	82.86	0.56, 0.56
10	3471	4015	4280	4015	3471	2874	2649	2874	5- 10	247.5	330.3	2.23, 2.22
15	3490	4268	4715	4268	3490	2607	2268	2607	10- 15	410.1	740.4	5.4, 4.98
20	3518	4535	5273	4535	3518	2388	1982	2388	15- 20	575.1	1316	8.88, 8.85
25	3555	4831	5956	4831	3555	2207	1807	2207	20- 25	748.6	2064	13.9, 13.9
30	3603	5156	6751	5156	3603	2076	1708	2076	25- 30	937.2	3001	20.3, 20.2
35	3669	5665	7371	5665	3669	1976	1637	1976	30- 35	1143	4144	28, 27.9
40	3768	6329	7066	6329	3768	1900	1553	1900	35- 40	1347	5491	37.1, 36.9
45	3874	7001	5254	7001	3874	1828	1337	1828	40- 45	1493	6983	47.1, 47
50	3906	7177	2707	7177	3906	1709	1081	1709	45- 50	1518	8501	57.4, 57.2
55	3953	5697	1148	5697	3953	1428	753.1	1428	50- 55	1420	9921	66.9, 66.7
60	3973	3487	774.4	3487	3973	1062	534.3	1062	55- 60	1295	11215	75.7, 75.4
65	3927	868.8	618.0	868.8	3927	627.7	371.9	627.7	60- 65	1176	12391	83.6, 83.3
70	3734	518.6	439.3	518.6	3734	343.9	200.4	343.9	65- 70	1002	13393	90.4, 90.1
75	2802	311.0	103.2	311.0	2802	172.9	49.21	172.9	70- 75	841.8	14235	96.1, 95.8
80	879.6	139.5	19.76	139.5	879.6	48.59	2.200	48.59	75- 80	485.6	14720	99.3, 99
85	33.21	34.84	16.14	34.84	33.21	9.190	2.305	9.190	80- 85	91.85	14812	99.9, 99.6
90	0	0	0	0	0	0	0	0	85- 90	7.484	14820	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:cd									UNIT:lm		

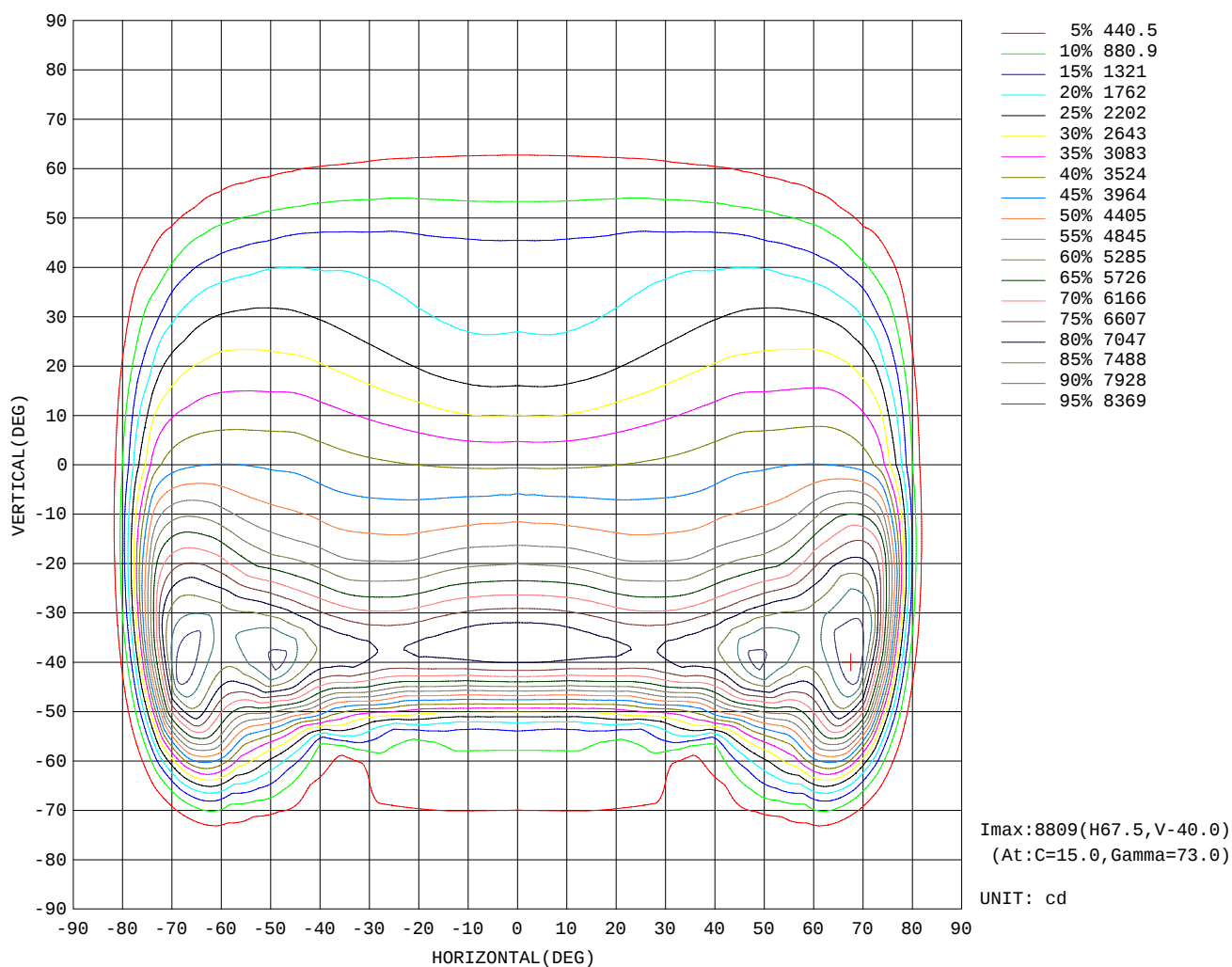
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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



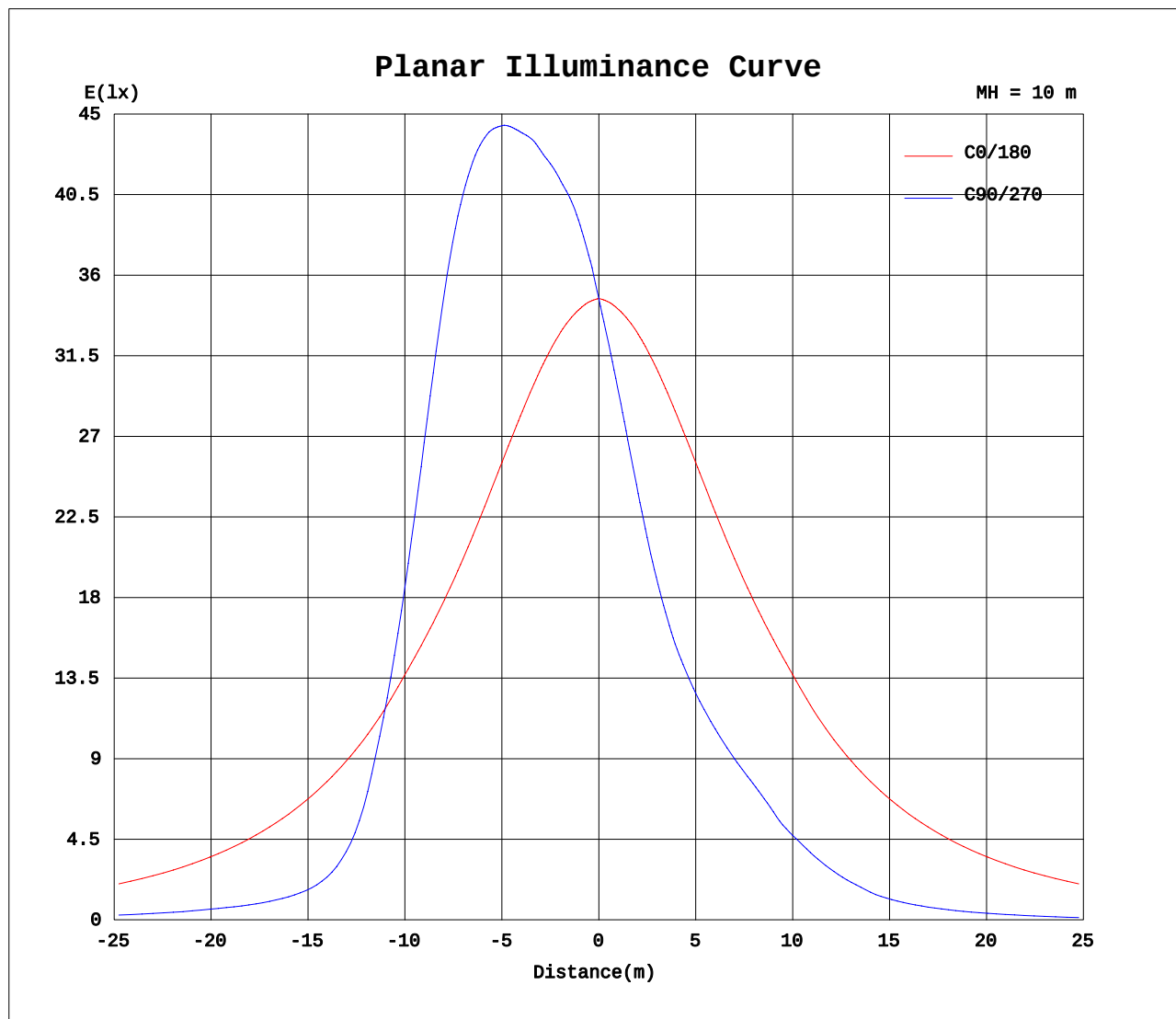
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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:

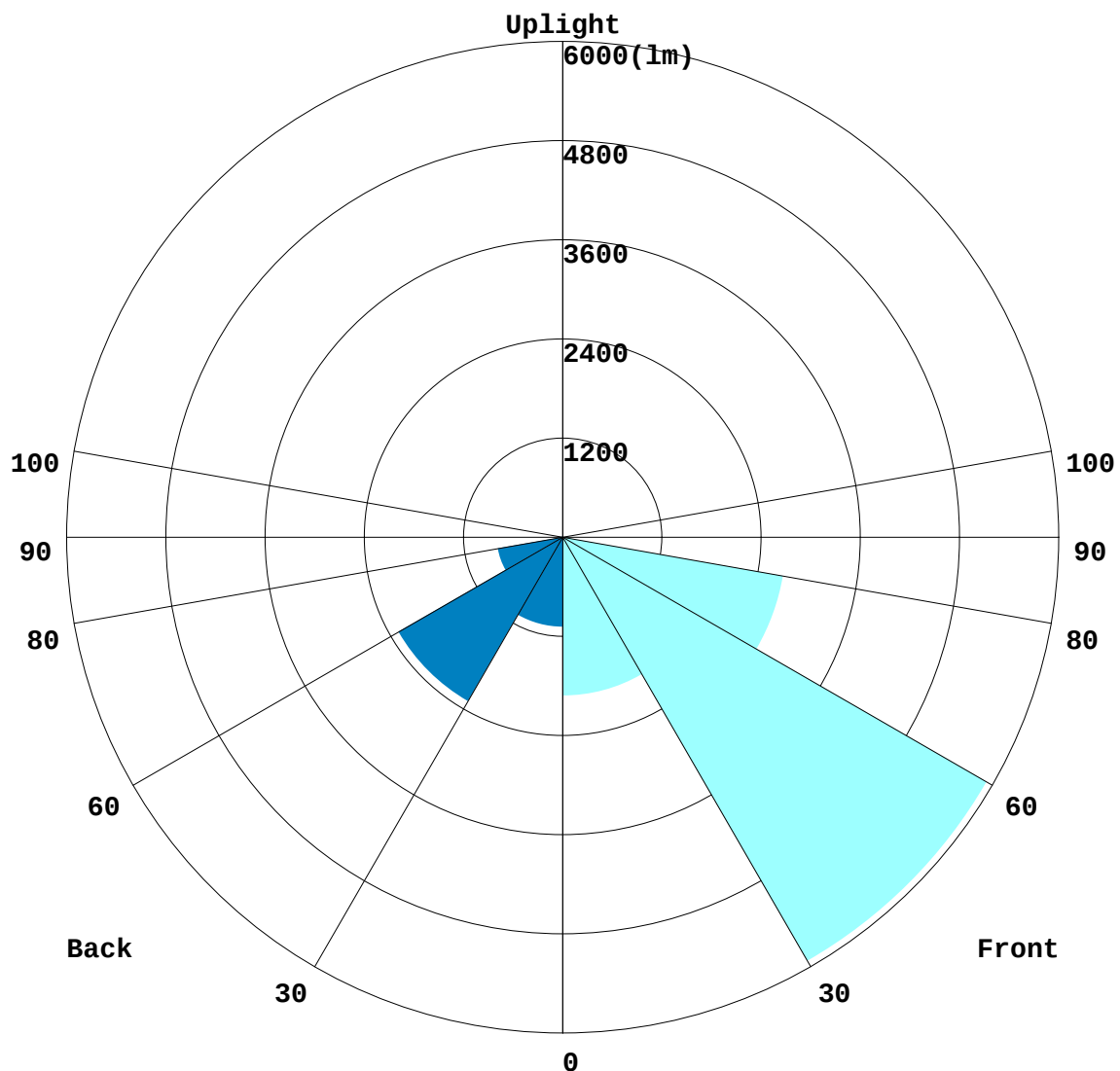
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.5406A P:120.8W PF:0.9720 Lamp Flux:14866.5x1 lm		
NAME: ST07-120	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:0.5406A P:120.8W PF:0.9720 Lamp Flux:14866.5x1 lm		
NAME: ST07-120	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)	1916.9	12.9
FM - Front-Medium(30-60)	5922	40.0
FH - Front-High(60-80)	2708.1	18.3
FVH - Front-Very High(80-90)	84.647	0.6
Total Forward Light	10632	71.7

BL - Back-Low(0-30)	1084.4	7.3
BM - Back-Medium(30-60)	2291.9	15.5
BH - Back-High(60-80)	796.95	5.4
BVH - Back-Very High(80-90)	14.689	0.1
Total Back Light	4188	28.3

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	4188	0	4188
Street Side	10632	0	10632

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

Checker:

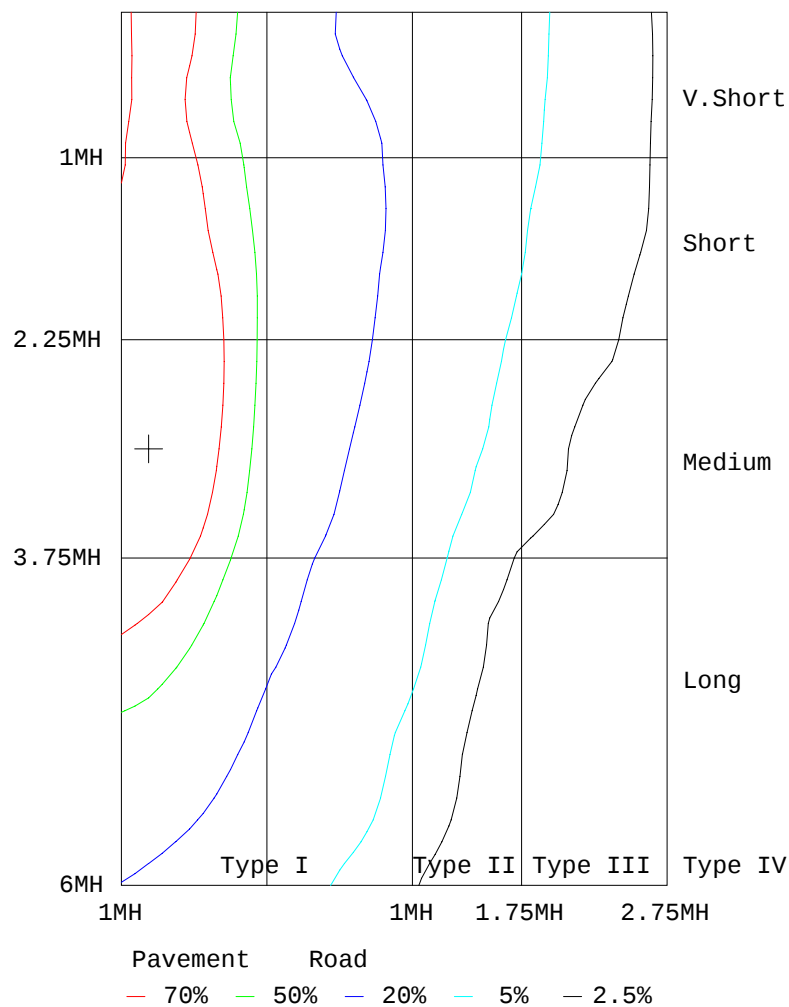
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.5406A P:120.8W PF:0.9720 Lamp Flux:14866.5x1 lm		
NAME: ST07-120	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: 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: cd

[illegible]

```

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: 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: 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: