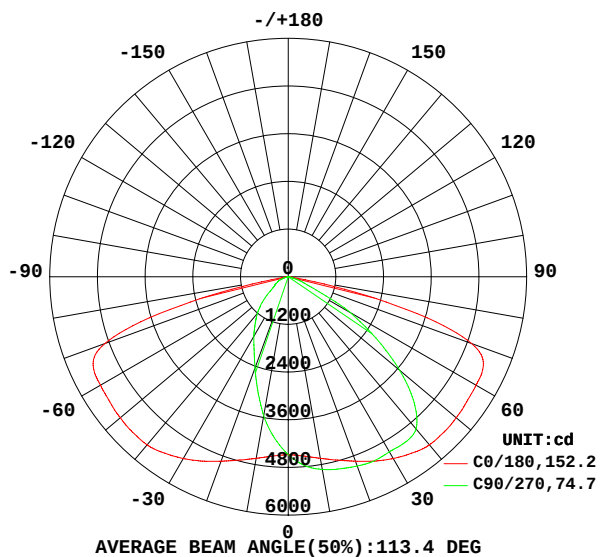
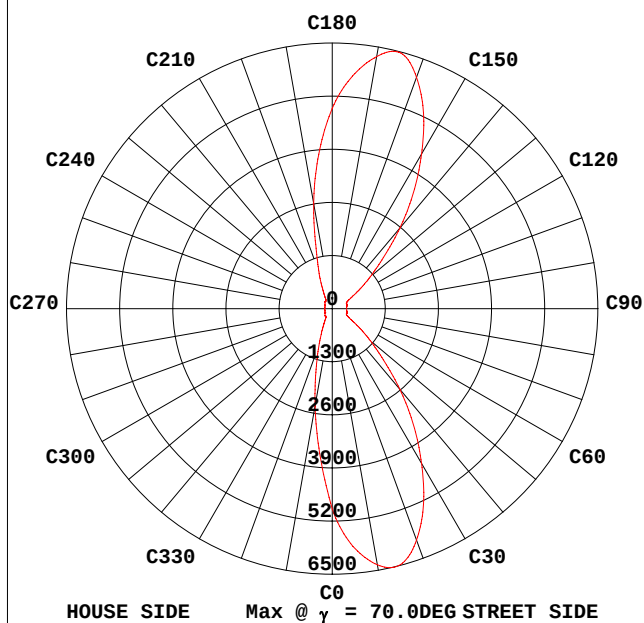


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.5413A P:121.0W PF:0.9721 Lamp Flux:15325.6x1 lm		
NAME: ST07-120	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17601	DIM.: 0.755*0.35*0.15	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.33 lm/W			
MODEL	ST07-120	I _{max} (cd)	6479	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	99.7	η street_down(%)	67.2
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	15283	η house_up(%)	0.0
NOMINAL FLUX(lm)	15325.6	MAXIMUM @(C,γ)	15,70.0	η house_down(%)	32.6
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

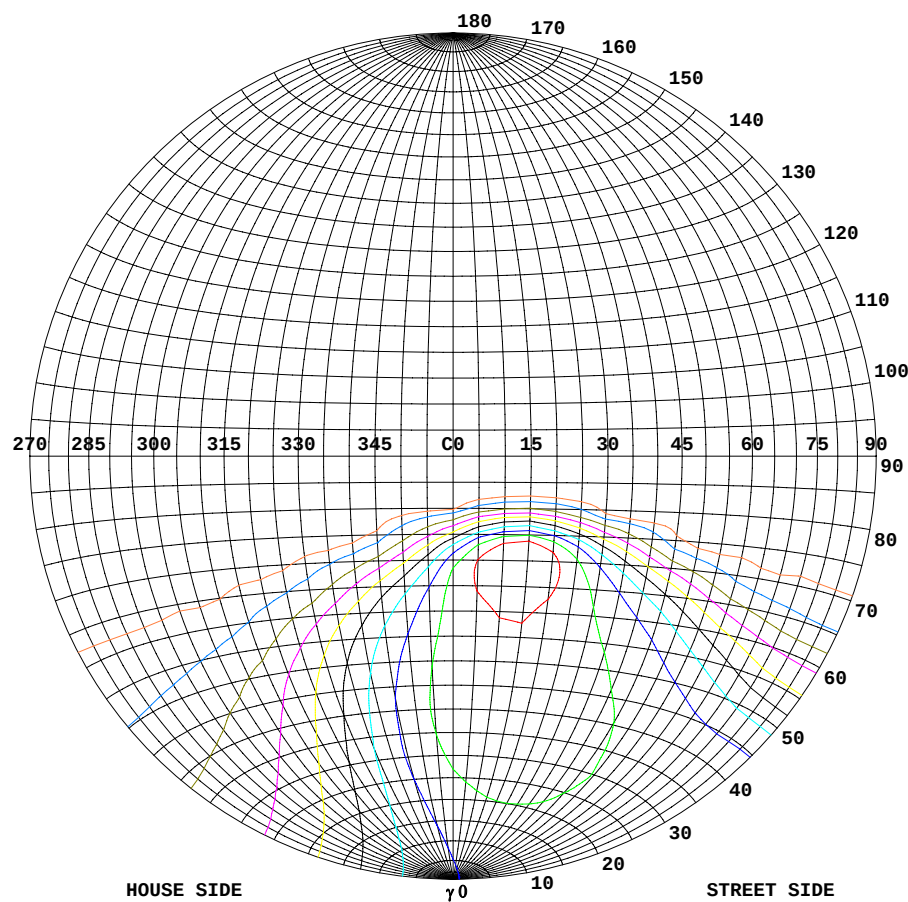
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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:Full cut-off
CIE:Semi-cut-off
Max.At80:88.11cd/klm
Max.At90:0cd/klm
Max.80-90:88.11cd/klm
NRB 5101:Limited[5.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6479
90%	5831
80%	5183
70%	4535
60%	3887
50%	3240
40%	2592
30%	1944
20%	1296
10%	648
5%	324

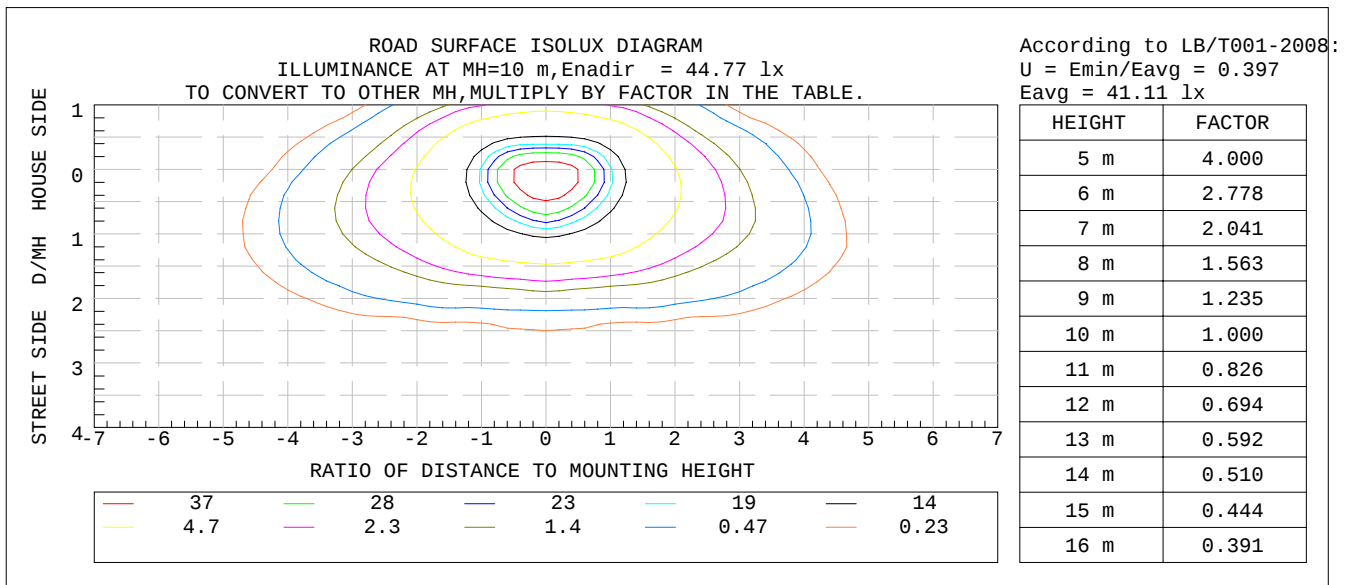
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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	4530	4720	4770	4720	4530	4207	4064	4207	0- 5	106.9	106.9	0.70, 0.70
10	4641	4915	4923	4915	4641	3923	3556	3923	5- 10	318.2	425.1	2.78, 2.77
15	4777	5050	5005	5050	4777	3609	2970	3609	10- 15	520.7	945.8	6.19, 6.17
20	4939	5135	5069	5135	4939	3271	2451	3271	15- 20	710.8	1657	10.8, 10.8
25	5119	5184	5112	5184	5119	2965	2038	2965	20- 25	889.5	2546	16.7, 16.6
30	5283	5215	5089	5215	5283	2681	1736	2681	25- 30	1057	3603	23.6, 23.5
35	5420	5218	5102	5218	5420	2403	1457	2403	30- 35	1210	4813	31.5, 31.4
40	5525	5189	5000	5189	5525	2143	1215	2143	35- 40	1342	6155	40.3, 40.2
45	5536	5093	4482	5093	5536	1884	953.5	1884	40- 45	1439	7594	49.7, 49.6
50	5519	4929	3655	4929	5519	1561	659.4	1561	45- 50	1480	9074	59.4, 59.2
55	5484	4676	2701	4676	5484	1096	449.5	1096	50- 55	1457	10531	68.9, 68.7
60	5458	4205	1805	4205	5458	654.6	366.4	654.6	55- 60	1377	11908	77.9, 77.7
65	5411	3300	702.3	3300	5411	375.6	287.1	375.6	60- 65	1233	13141	86.8, 85.7
70	4904	1770	356.3	1770	4904	252.3	186.3	252.3	65- 70	1031	14171	92.7, 92.5
75	2801	392.2	101.2	392.2	2801	143.7	51.95	143.7	70- 75	742.9	14914	97.6, 97.3
80	250.0	146.0	23.41	146.0	250.0	46.21	2.333	46.21	75- 80	316.8	15231	99.7, 99.4
85	25.56	33.50	14.37	33.50	25.56	8.107	2.640	8.107	80- 85	45.83	15277	100, 99.7
90	0	0	0	0	0	0	0	0	85- 90	6.416	15283	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		

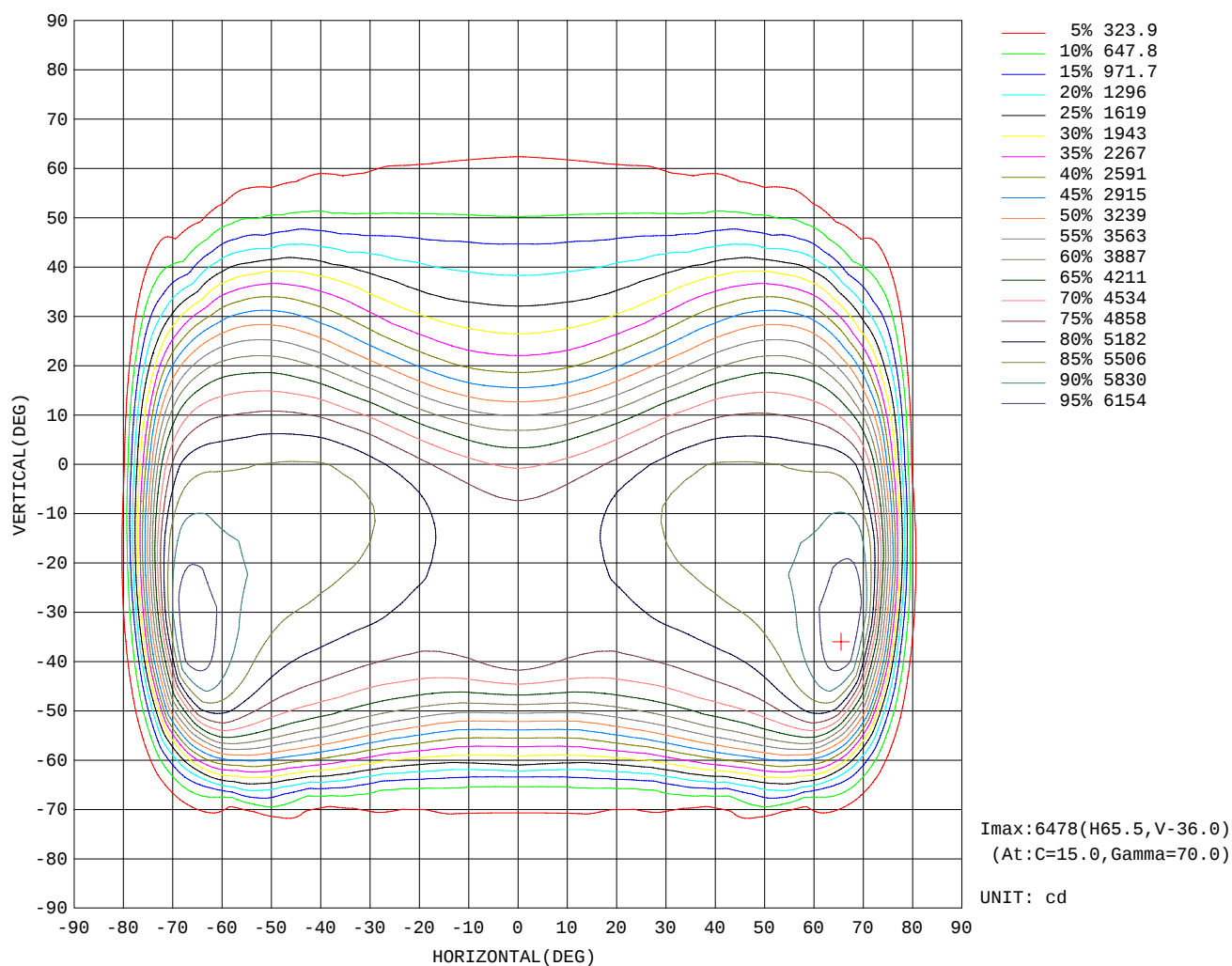
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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

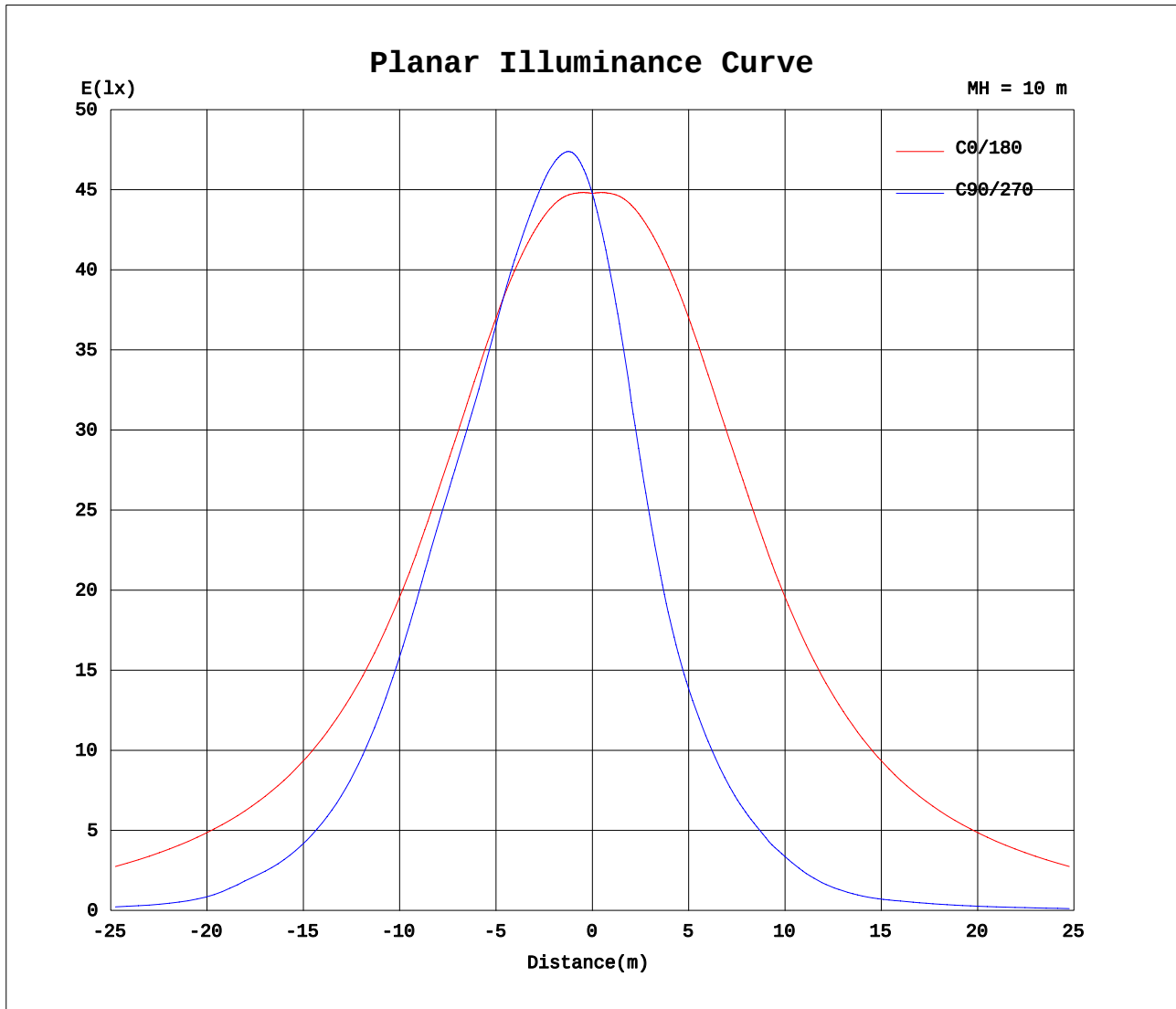


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2016-11-29

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:

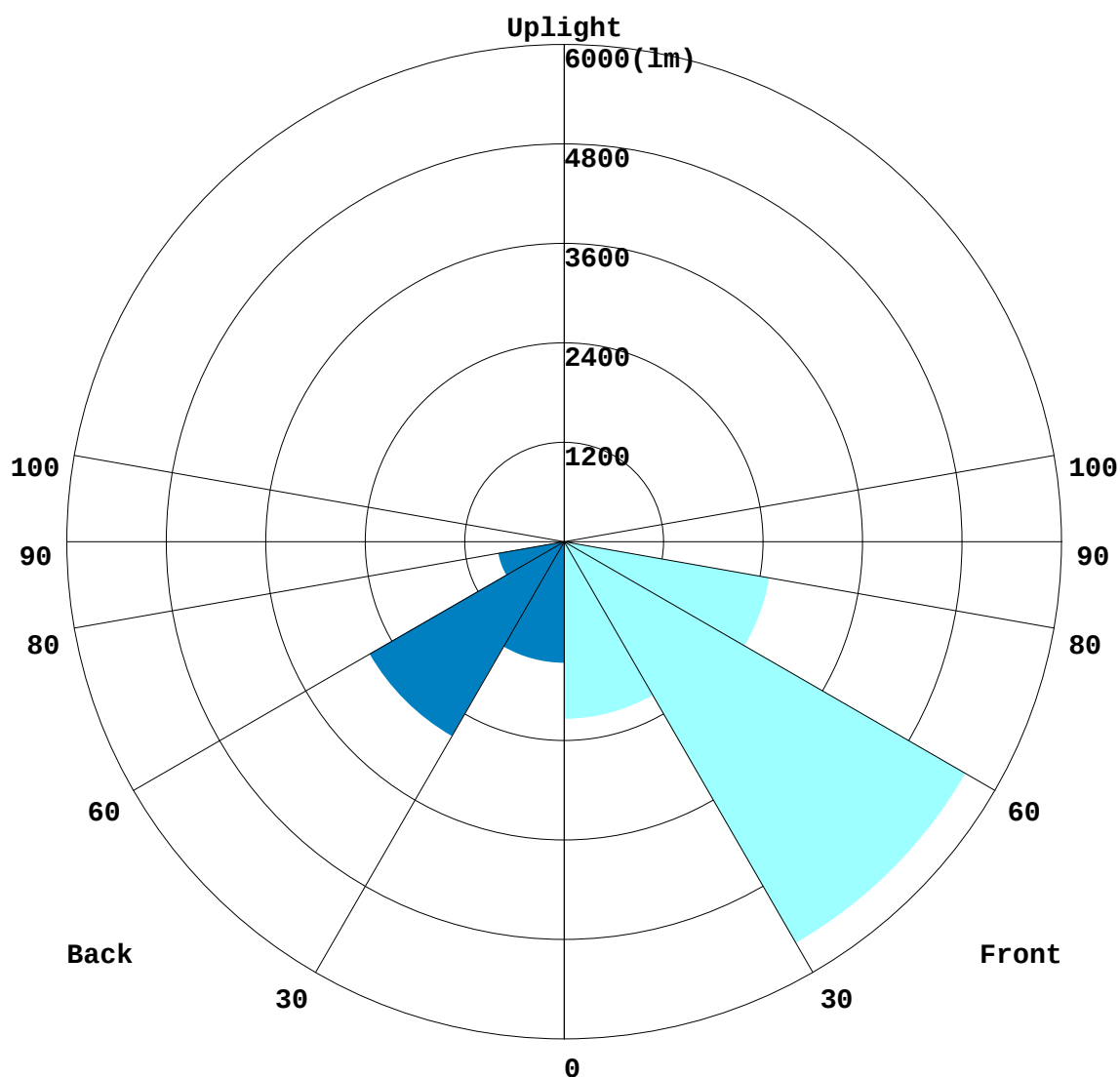
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.5413A P:121.0W PF:0.9721 Lamp Flux:15325.6x1 lm		
NAME: ST07-120	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17601	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:0.5413A P:121.0W PF:0.9721 Lamp Flux:15325.6x1 lm		
NAME: ST07-120	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17601	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)	2140.4	14.0
FM - Front-Medium(30-60)	5593.8	36.6
FH - Front-High(60-80)	2516.5	16.5
FVH - Front-Very High(80-90)	42.61	0.3
Total Forward Light	10293	67.3

BL - Back-Low(0-30)	1463	9.6
BM - Back-Medium(30-60)	2710.5	17.7
BH - Back-High(60-80)	807.05	5.3
BVH - Back-Very High(80-90)	9.6361	0.1
Total Back Light	4990.1	32.7

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	4990.1	0	4990.1
Street Side	10293	0	10293

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

Checker:

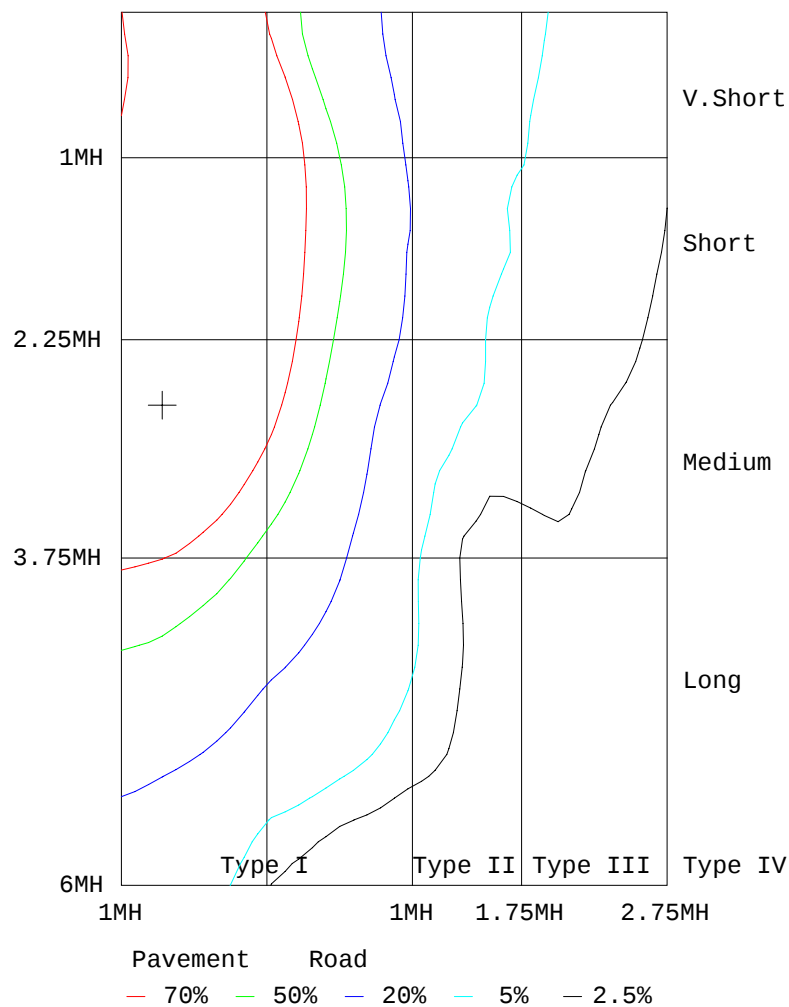
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.5413A P:121.0W PF:0.9721 Lamp Flux:15325.6x1 lm		
NAME: ST07-120	TYPE:	WEIGHT:
SPEC.:4000K Ra70 R17601	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]

```

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

Table - - 2

UNIT: cd

[illegible]

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

Checker :

```

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:

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: