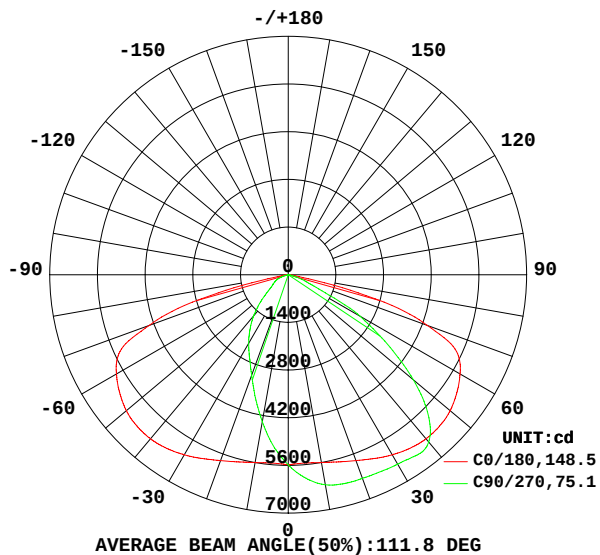
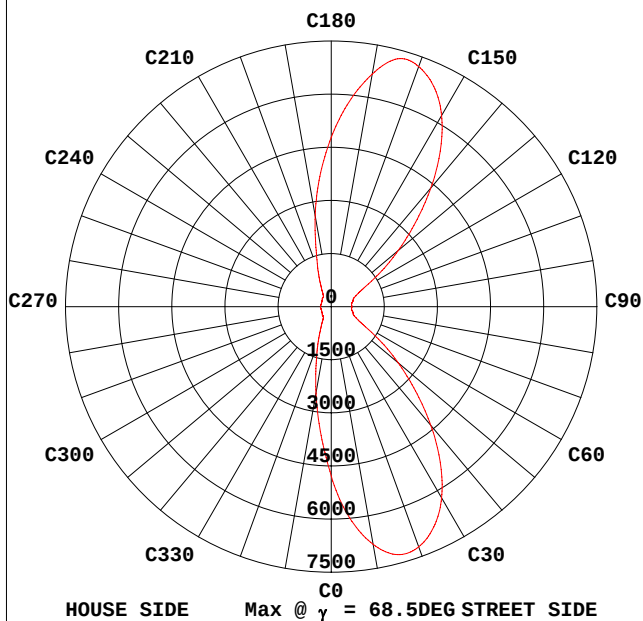


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.6668A P:147.8W PF:0.9641 Lamp Flux:18338.8x1 lm		
NAME: ST07-150	TYPE:150W	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: 123.76 lm/W			
MODEL	ST07-150	I _{max} (cd)	7248	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	99.7	η street_down(%)	69.2
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18290	η house_up(%)	0.0
NOMINAL FLUX(lm)	18338.8	MAXIMUM @(C,γ)	15,68.5	η house_down(%)	30.5
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

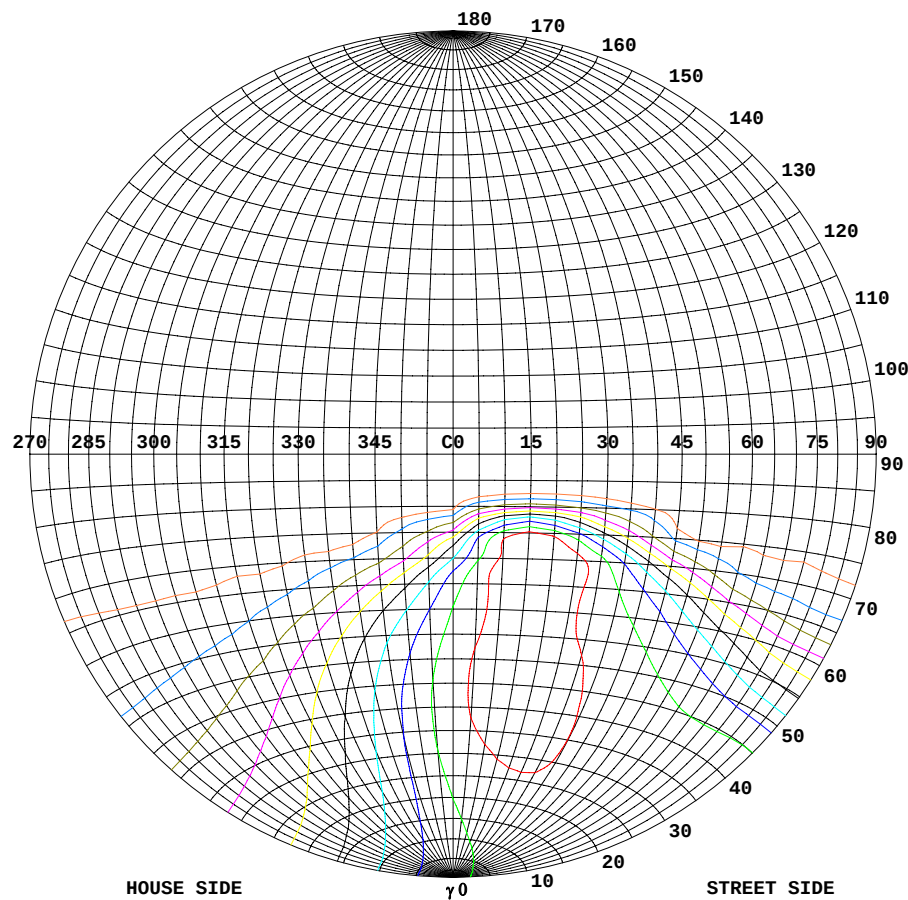
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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 III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:107.8cd/klm
Max.At90:0cd/klm
Max.80-90:107.8cd/klm
NRB 5101:Limited[5.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7248
90%	6524
80%	5799
70%	5074
60%	4349
50%	3624
40%	2899
30%	2175
20%	1450
10%	725
5%	362

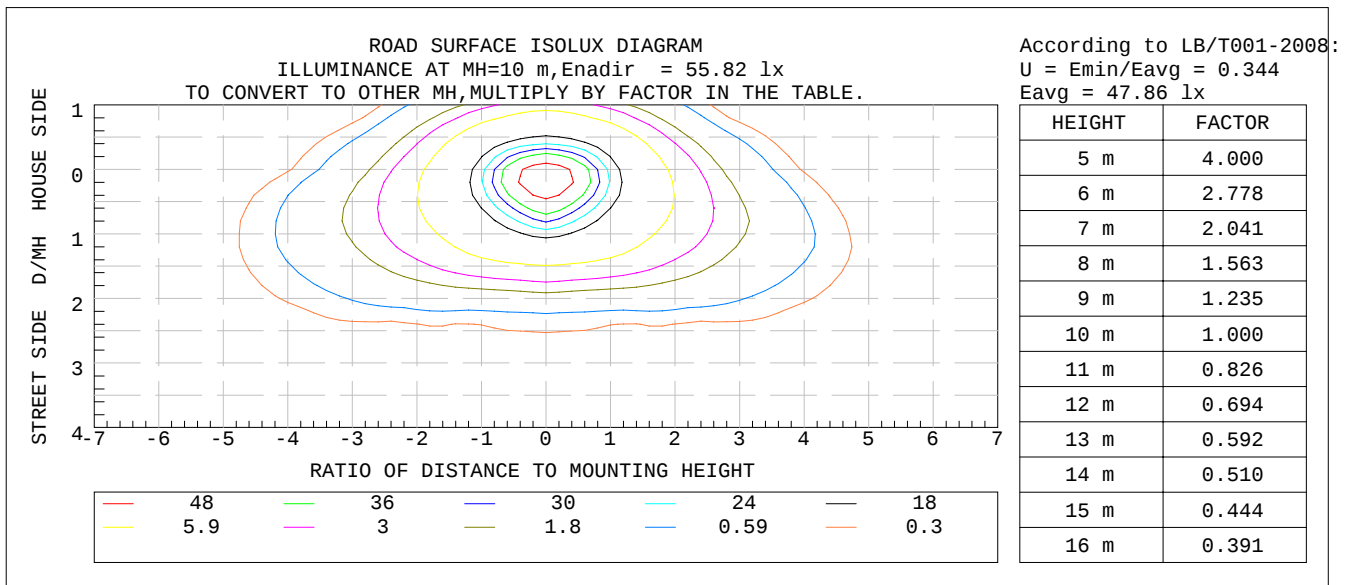
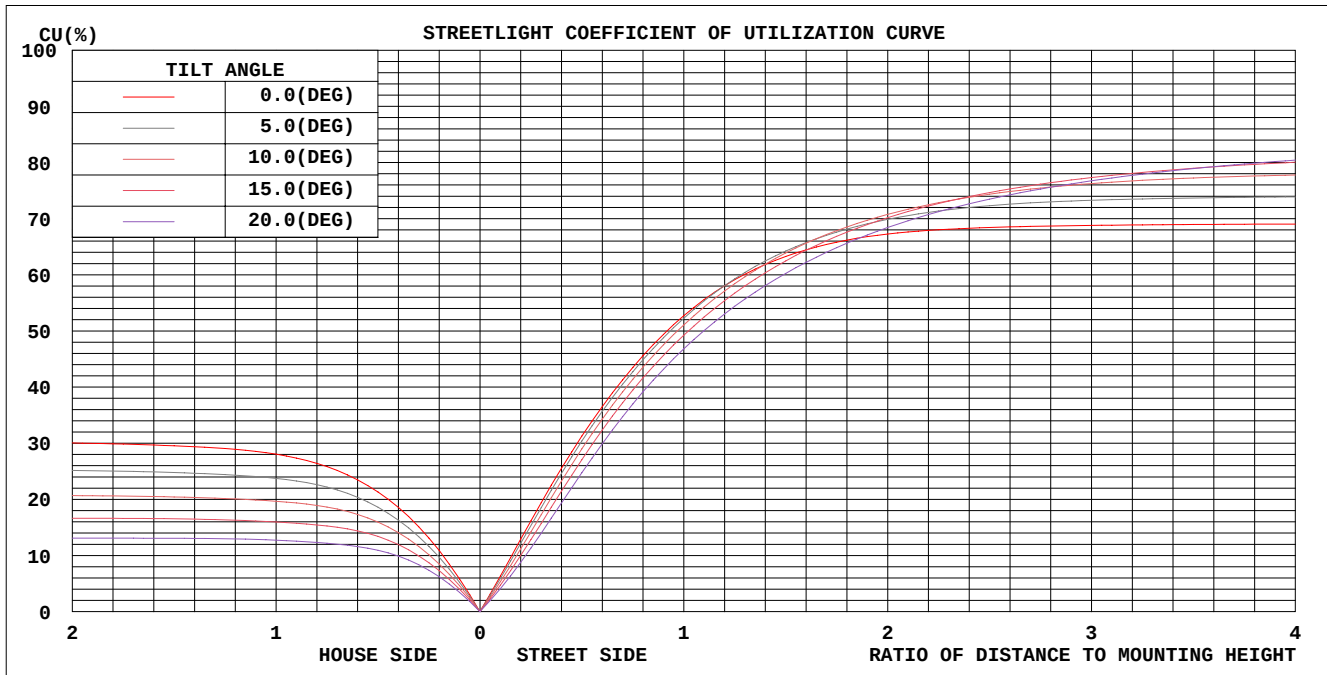
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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	5551	5853	5999	5853	5551	5162	5044	5162	0- 5	132.5	132.5	0.72, 0.72
10	5600	6086	6261	6086	5600	4713	4384	4713	5- 10	391.1	523.6	2.86, 2.85
15	5688	6261	6347	6261	5688	4271	3738	4271	10- 15	636.1	1160	6.34, 6.32
20	5808	6345	6364	6345	5808	3862	3147	3862	15- 20	863.6	2023	11.1, 11
25	5955	6371	6383	6371	5955	3497	2691	3497	20- 25	1075	3098	16.9, 16.9
30	6104	6353	6422	6353	6104	3178	2329	3178	25- 30	1274	4372	23.9, 23.8
35	6223	6306	6495	6306	6223	2859	1961	2859	30- 35	1455	5827	31.9, 31.8
40	6291	6258	6416	6258	6291	2538	1591	2538	35- 40	1609	7436	40.7, 40.5
45	6284	6187	5812	6187	6284	2185	1191	2185	40- 45	1717	9153	50, 49.9
50	6206	6016	4791	6016	6206	1726	815.7	1726	45- 50	1760	10913	59.7, 59.5
55	6042	5737	3558	5737	6042	1173	586.6	1173	50- 55	1723	12636	69.1, 68.9
60	5826	5292	2438	5292	5826	719.2	485.7	719.2	55- 60	1618	14254	77.9, 77.7
65	5485	4472	991.3	4472	5485	451.4	398.0	451.4	60- 65	1444	15698	85.8, 85.6
70	4333	2718	493.4	2718	4333	310.0	250.9	310.0	65- 70	1200	16898	92.4, 92.1
75	2363	609.9	153.0	609.9	2363	171.3	66.82	171.3	70- 75	881.0	17779	97.2, 96.9
80	248.7	194.2	48.33	194.2	248.7	53.30	2.733	53.30	75- 80	433.2	18212	99.6, 99.3
85	43.78	48.55	25.23	48.55	43.78	10.59	3.367	10.59	80- 85	68.84	18281	99.9, 99.7
90	0	0	0	0	0	0	0	0	85- 90	9.642	18290	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		

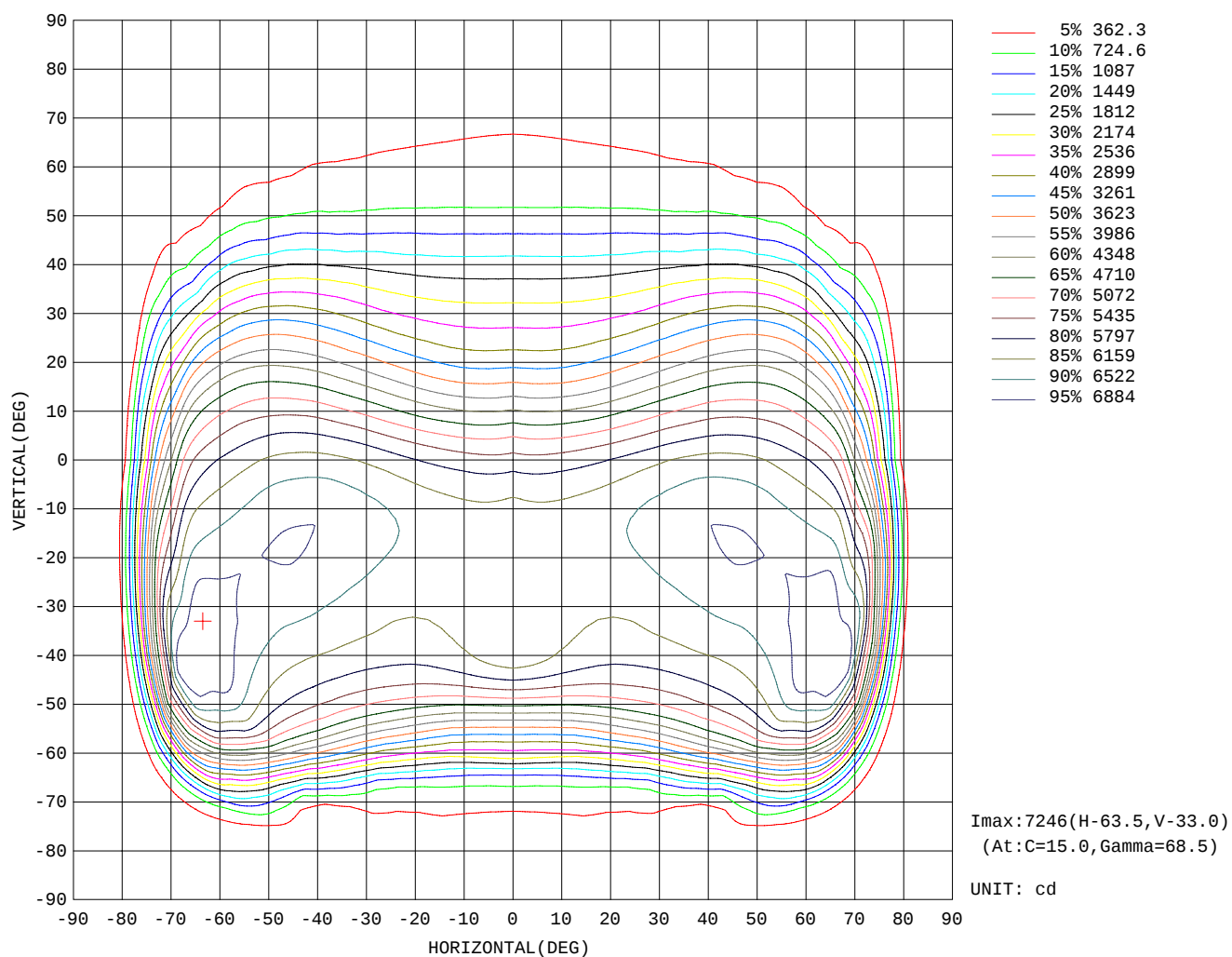
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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:

ISOCANDELA DIAGRAM

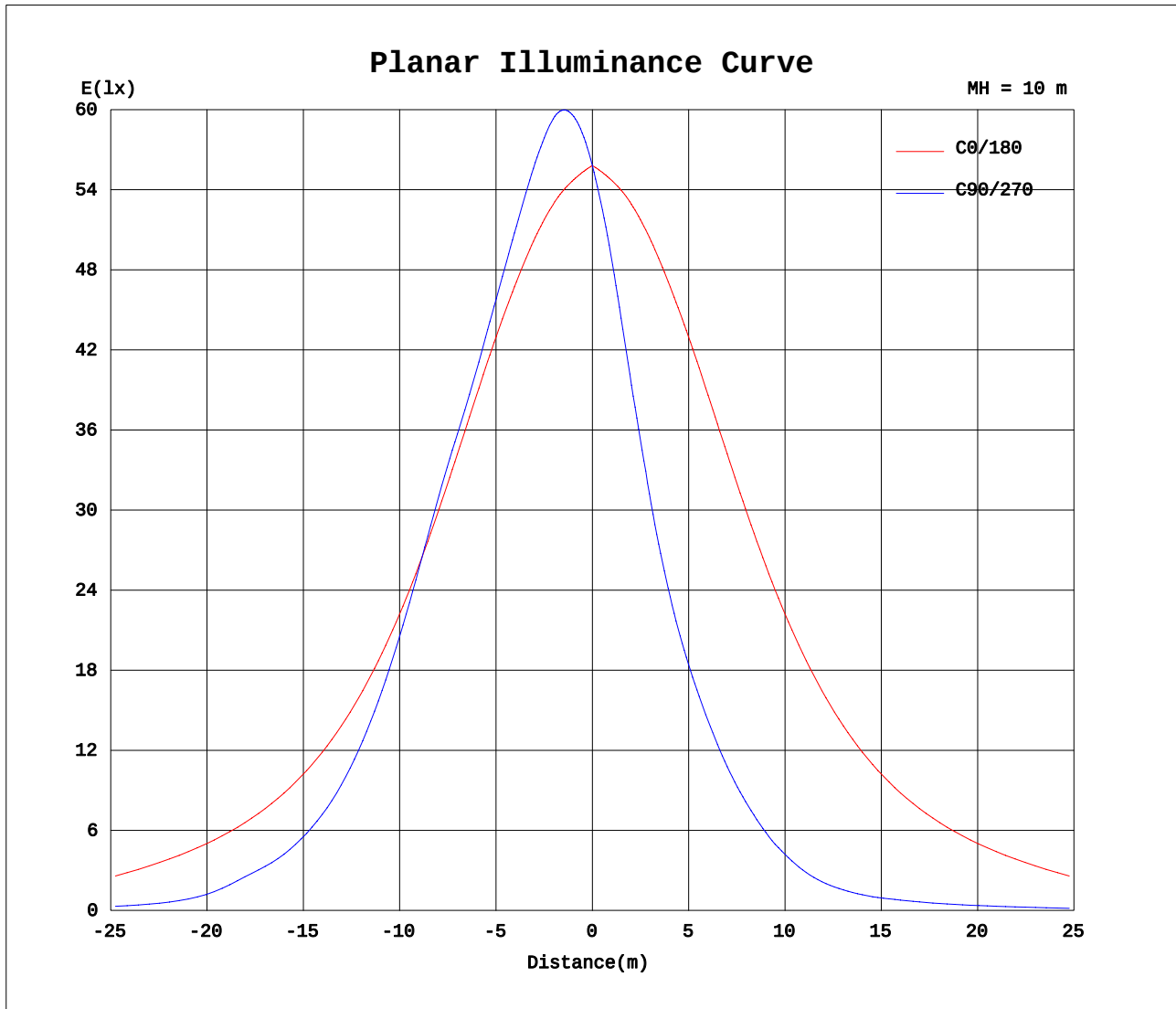


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2016-11-29

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:

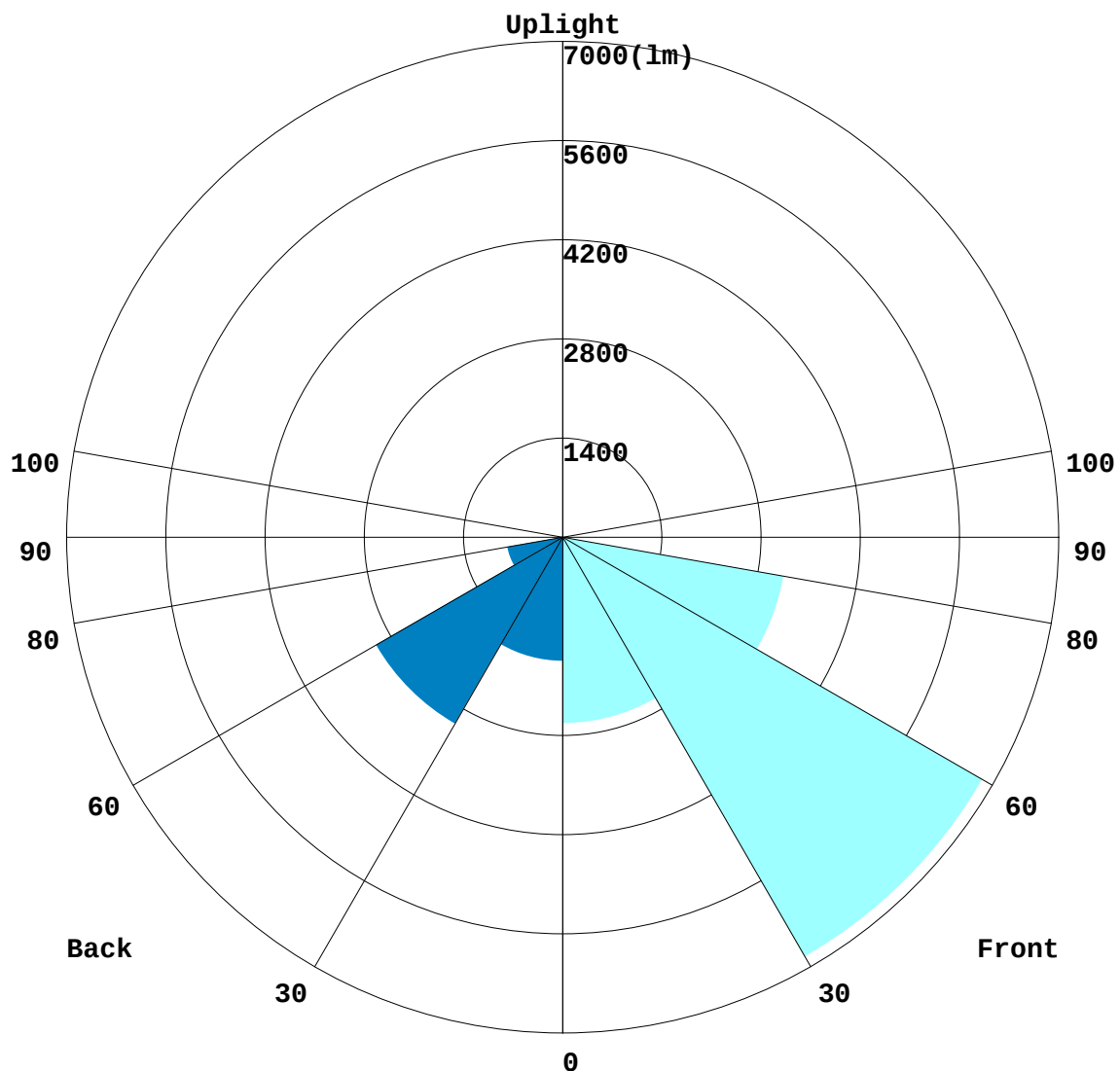
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.6668A P:147.8W PF:0.9641 Lamp Flux:18338.8x1 lm		
NAME: ST07-150	TYPE:150W	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:0.6668A P:147.8W PF:0.9641 Lamp Flux:18338.8x1 lm		
NAME: ST07-150	TYPE:150W	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)	2626	14.4
FM - Front-Medium(30-60)	6838.9	37.4
FH - Front-High(60-80)	3164.4	17.3
FVH - Front-Very High(80-90)	66.06	0.4
Total Forward Light	12695	69.4

BL - Back-Low(0-30)	1746.4	9.5
BM - Back-Medium(30-60)	3042.7	16.6
BH - Back-High(60-80)	793.44	4.3
BVH - Back-Very High(80-90)	12.419	0.1
Total Back Light	5595	30.6

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	5595	0	5595
Street Side	12695	0	12695

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

Checker:

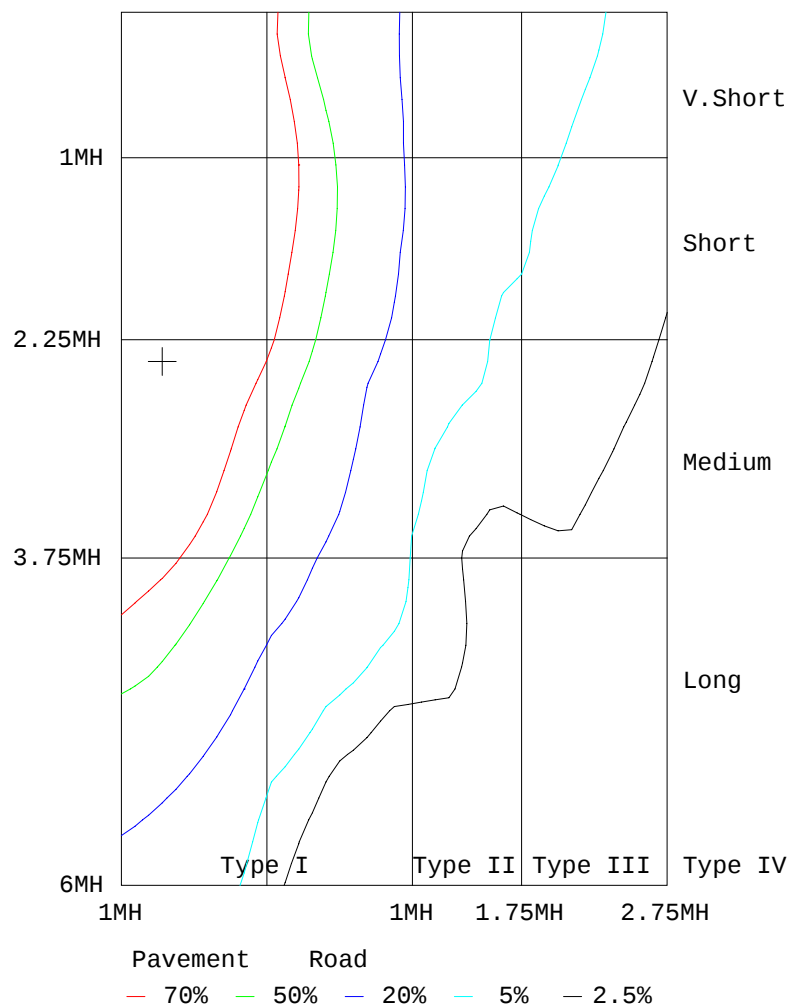
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.6668A P:147.8W PF:0.9641 Lamp Flux:18338.8x1 lm		
NAME: ST07-150	TYPE:150W	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

Table - - 1

UNIT: cd

[illegible]

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:

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

Table - - 3

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: