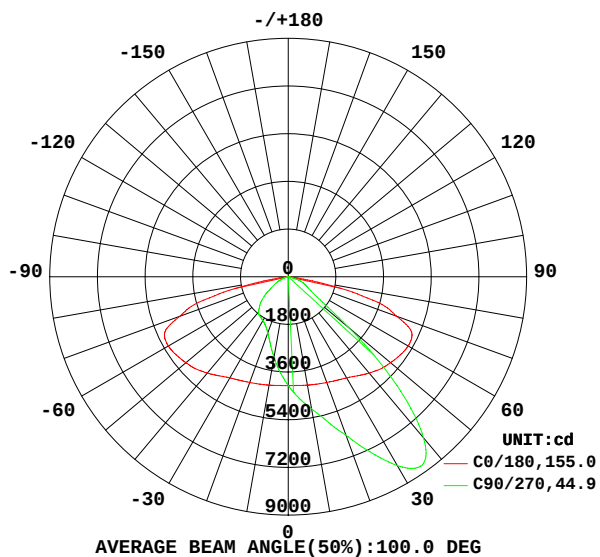
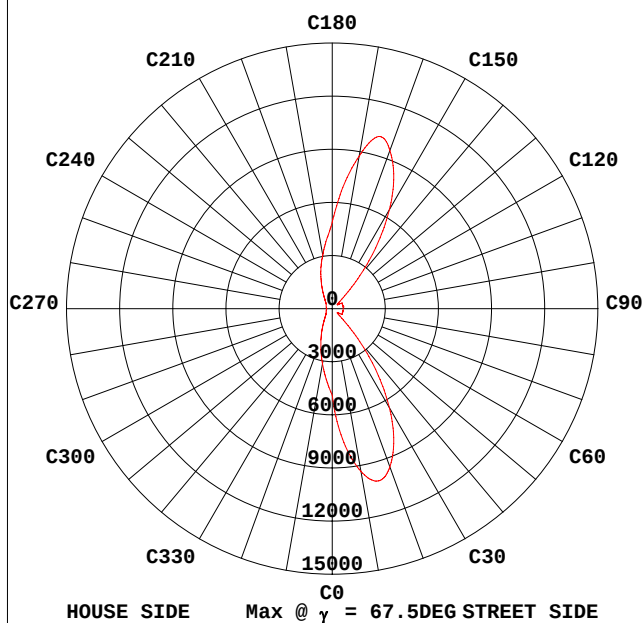


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.8V I:0.6659A P:147.6W PF:0.9643 Lamp Flux:17891.4x1 lm		
NAME: ST07-150	TYPE:150W	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: 121.01 lm/W			
MODEL	ST07-150	I _{max} (cd)	10074	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	99.8	η street_down(%)	71.8
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	17856	η house_up(%)	0.0
NOMINAL FLUX(lm)	17891.4	MAXIMUM @(C,γ)	15,67.5	η house_down(%)	28.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	99.8	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

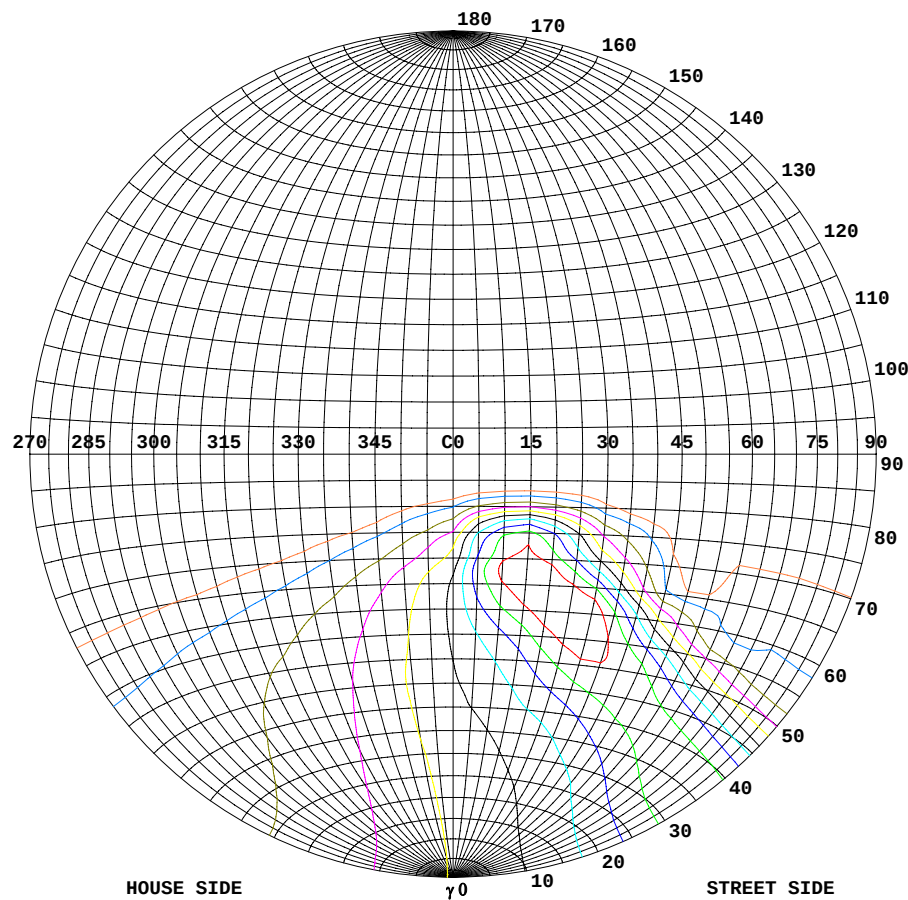
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2016-11-29

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:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:168.3cd/klm
Max.At90:0cd/klm
Max.80-90:168.3cd/klm
NRB 5101:Semi limited[10.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10074
90%	9066
80%	8059
70%	7052
60%	6044
50%	5037
40%	4030
30%	3022
20%	2015
10%	1007
5%	504

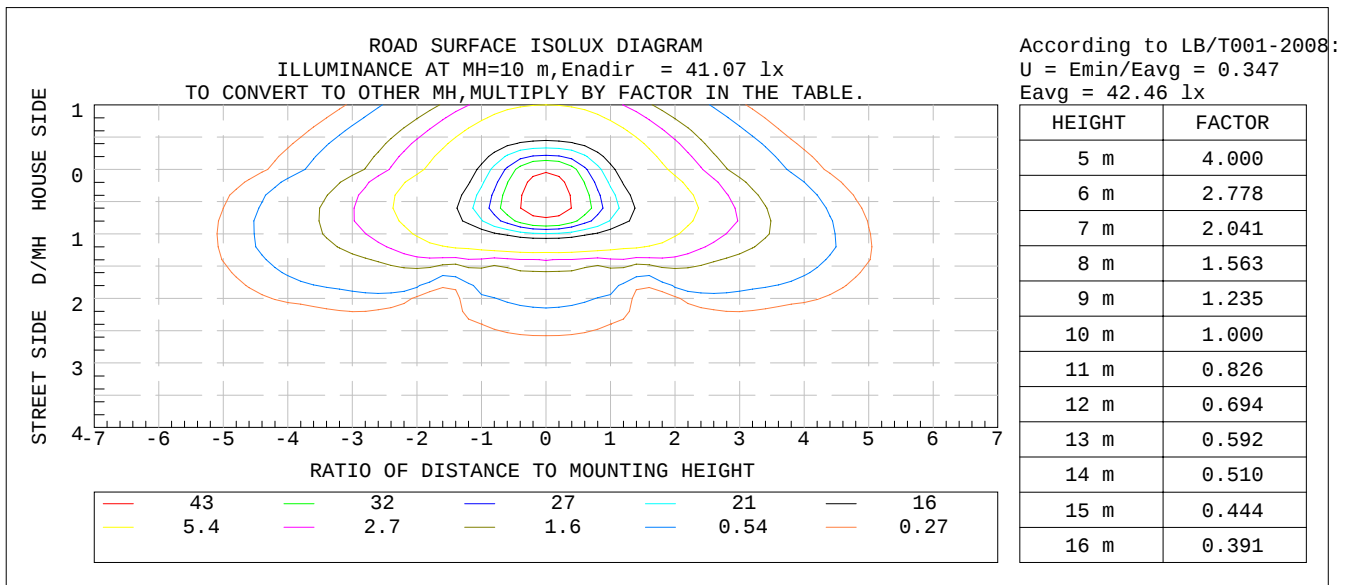
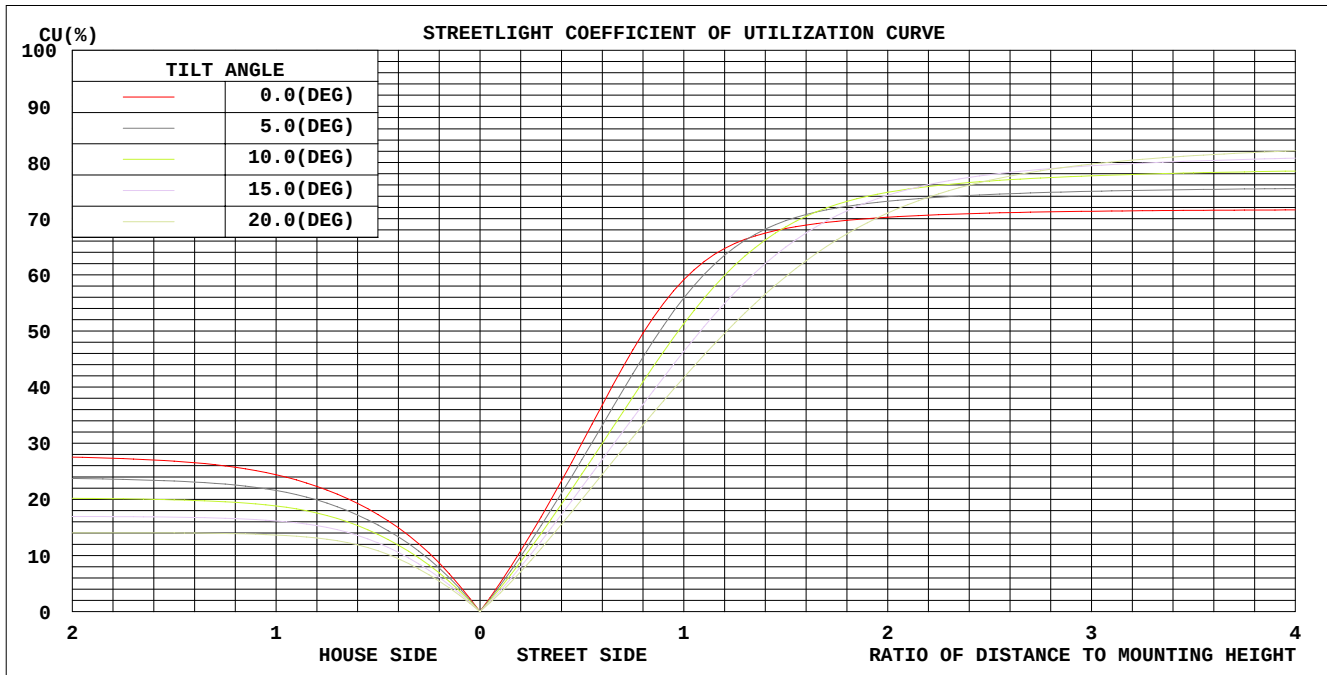
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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	412.1	445.2	459.2	445.2	412.1	375.6	361.0	375.6	0- 5	98.16	98.16	0.55, 0.55
10	415.5	479.1	505.8	479.1	415.5	342.9	309.7	342.9	5- 10	294.0	392.1	2.2, 2.19
15	419.6	512.2	563.7	512.2	419.6	311.6	262.5	311.6	10- 15	489.1	881.2	4.93, 4.93
20	424.8	547.8	636.9	547.8	424.8	286.2	226.2	286.2	15- 20	689.5	1571	8.8, 8.78
25	431.7	589.0	729.1	589.0	431.7	264.1	203.8	264.1	20- 25	903.3	2474	13.9, 13.8
30	441.1	641.6	822.7	641.6	441.1	247.3	191.7	247.3	25- 30	1139	3613	20.2, 20.2
35	456.5	711.8	872.7	711.8	456.5	233.8	184.1	233.8	30- 35	1393	5005	28, 28
40	475.5	792.2	794.8	792.2	475.5	223.0	175.0	223.0	35- 40	1634	6640	37.2, 37.1
45	492.7	854.0	580.3	854.0	492.7	213.4	151.9	213.4	40- 45	1803	8442	47.3, 47.2
50	504.5	846.2	295.4	846.2	504.5	198.3	123.6	198.3	45- 50	1840	10282	57.6, 57.5
55	515.7	681.7	132.5	681.7	515.7	166.4	86.62	166.4	50- 55	1743	12025	67.3, 67.2
60	522.7	421.9	89.61	421.9	522.7	122.9	61.32	122.9	55- 60	1604	13629	76.3, 76.2
65	515.2	121.6	71.22	121.6	515.2	72.23	42.54	72.23	60- 65	1456	15085	84.5, 84.3
70	434.3	61.47	51.38	61.47	434.3	39.15	23.22	39.15	65- 70	1217	16301	91.3, 91.1
75	308.2	37.43	16.18	37.43	308.2	19.22	6.180	19.22	70- 75	926.6	17228	96.5, 96.3
80	93.56	17.94	4.049	17.94	93.56	5.568	0.2630	5.568	75- 80	517.1	17745	99.4, 99.2
85	5.658	5.400	2.451	5.400	5.658	1.028	0.2754	1.028	80- 85	100.4	17845	99.9, 99.7
90	0	0	0	0	0	0	0	0	85- 90	11.18	17856	100, 99.8
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		

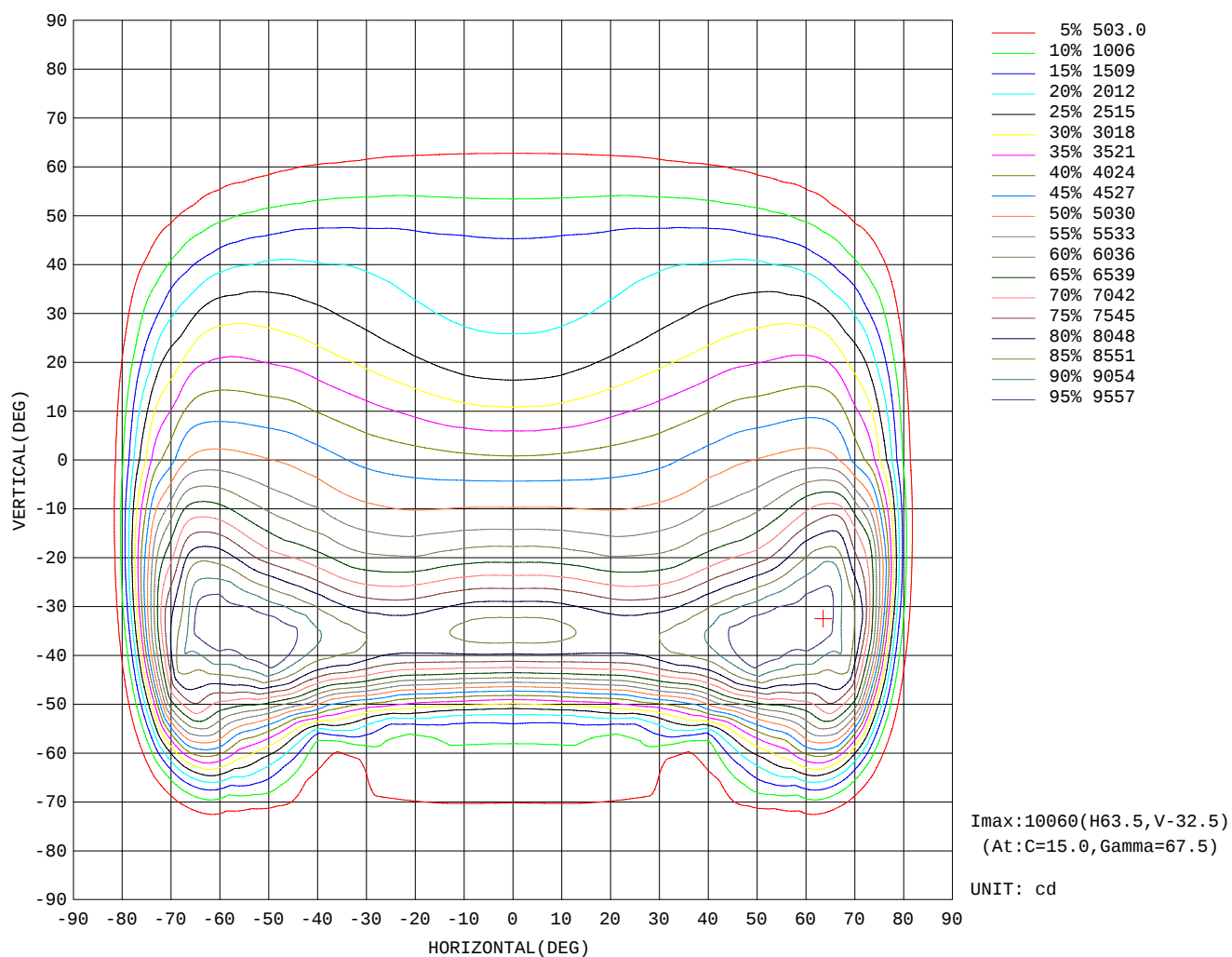
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-11-29

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



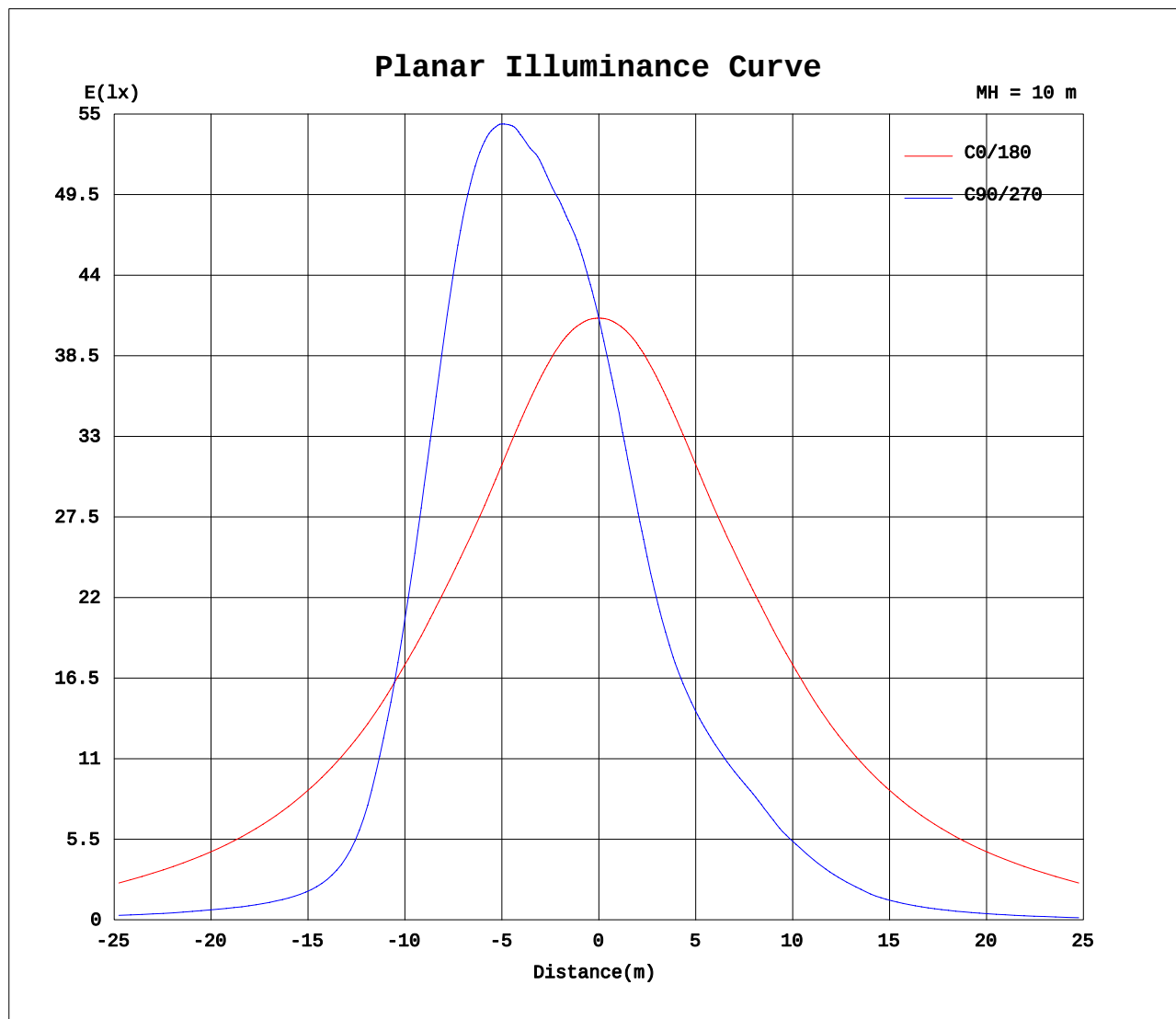
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2016-11-29

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:

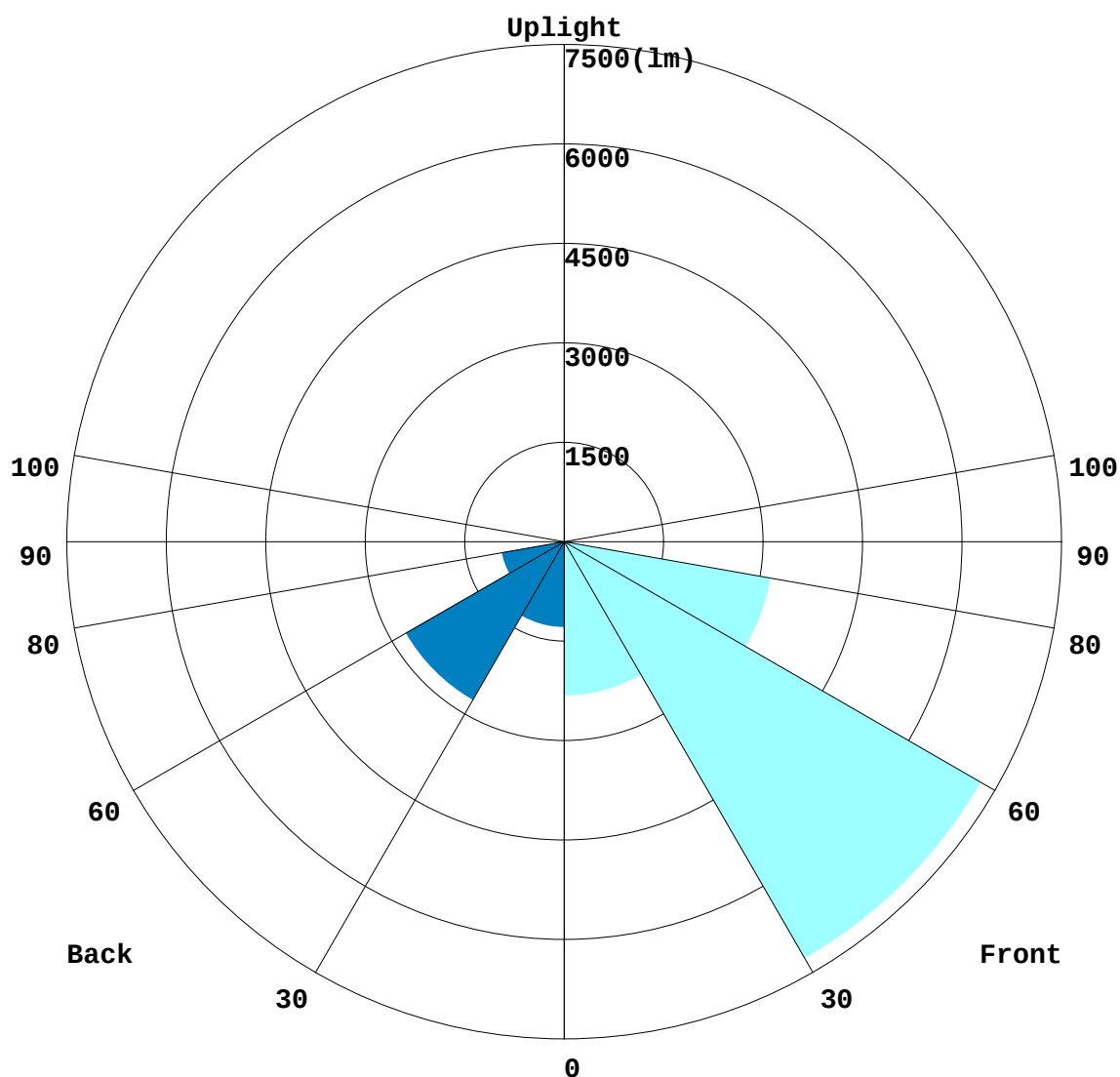
Checker:

Assessor:

LCS REPORT

Test:U:229.8V I:0.6659A P:147.6W PF:0.9643 Lamp Flux:17891.4x1 lm		
NAME: ST07-150	TYPE:150W	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:229.8V I:0.6659A P:147.6W PF:0.9643 Lamp Flux:17891.4x1 lm		
NAME: ST07-150	TYPE:150W	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)	2323.2	13.0
FM - Front-Medium(30-60)	7259.6	40.7
FH - Front-High(60-80)	3163.1	17.7
FVH - Front-Very High(80-90)	93.557	0.5
Total Forward Light	12840	71.9

BL - Back-Low(0-30)	1289.4	7.2
BM - Back-Medium(30-60)	2756.6	15.4
BH - Back-High(60-80)	952.91	5.3
BVH - Back-Very High(80-90)	18.013	0.1
Total Back Light	5016.9	28.1

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5016.9	0	5016.9
Street Side	12840	0	12840

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

Checker:

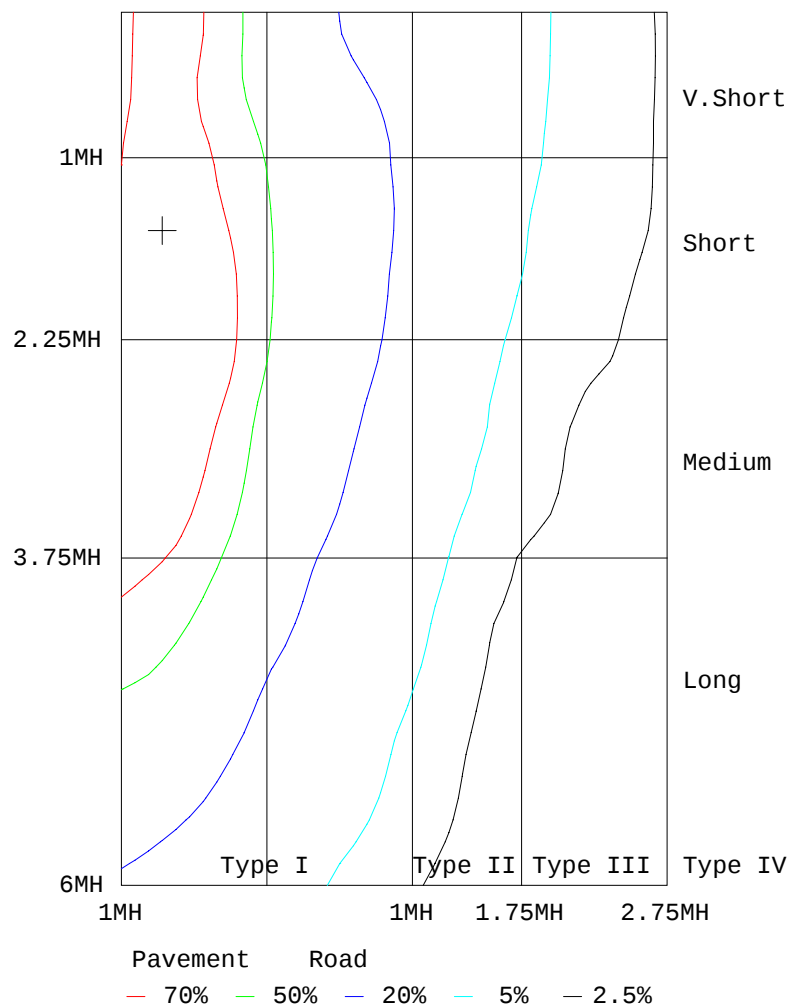
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.8V I:0.6659A P:147.6W PF:0.9643 Lamp Flux:17891.4x1 lm		
NAME: ST07-150	TYPE:150W	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

Table- -1

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

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

```

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:

```

Checker :

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table - - 2

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