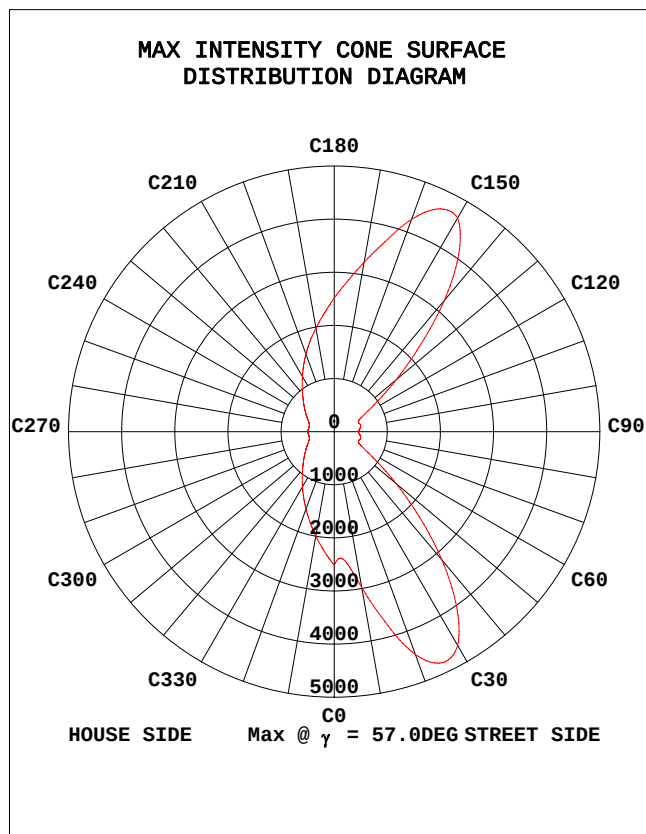
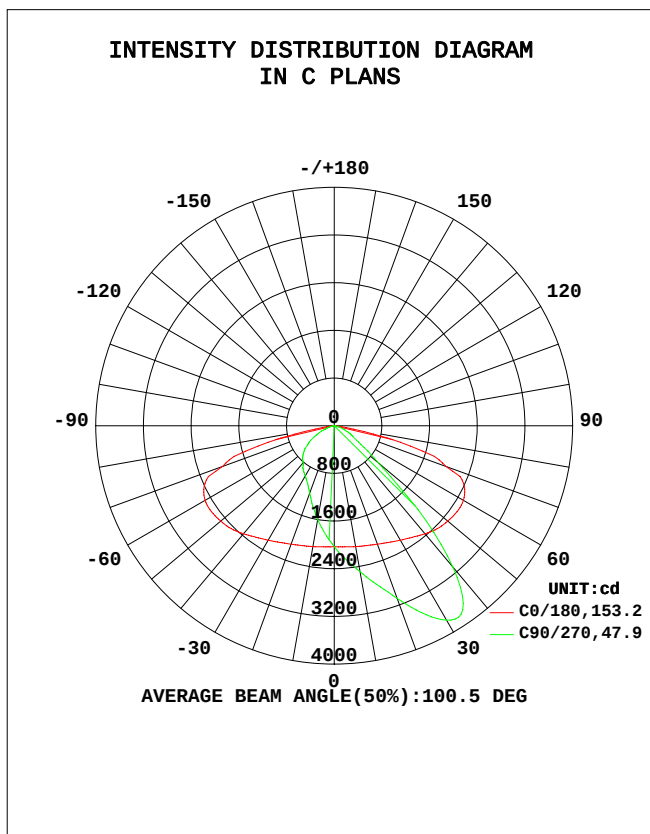


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.3183A P:70.06W PF:0.9572 Lamp Flux:8293x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09601	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.36 lm/W			
MODEL	ST09-070	I _{max} (cd)	4647	η street_up(%)	0.0
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	67.8
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	8292	η house_up(%)	0.0
NOMINAL FLUX(lm)	8293	MAXIMUM @(C,γ)	30,57.0	η house_down(%)	32.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	230	η down(%)	100.0	SLI	



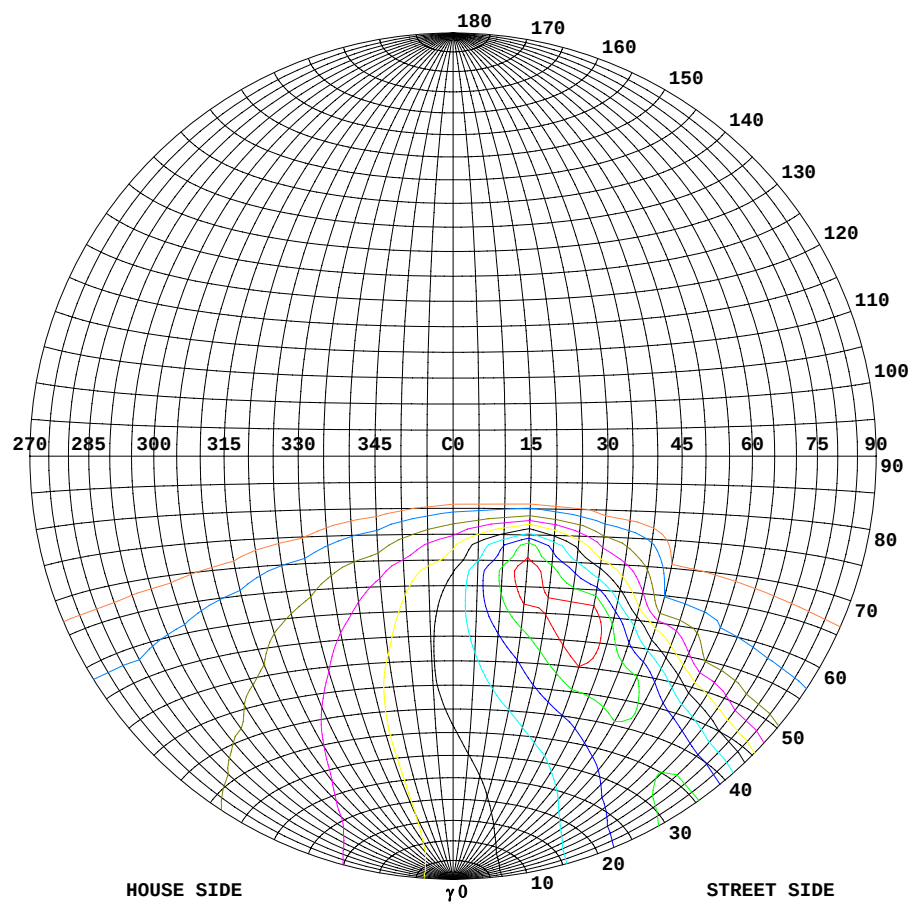
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 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 - Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:58.90cd/klm
Max.At90:0cd/klm
Max.80-90:58.90cd/klm
NRB 5101:Semi limited[28.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4647
90%	4182
80%	3718
70%	3253
60%	2788
50%	2323
40%	1859
30%	1394
20%	929
10%	465
5%	232

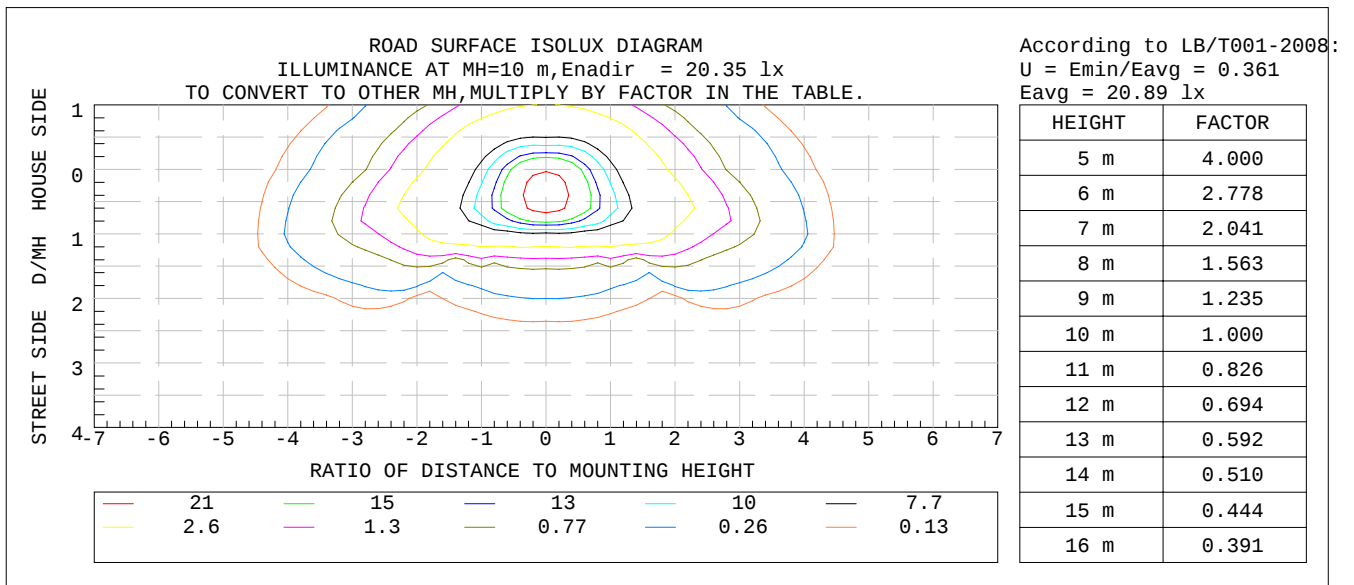
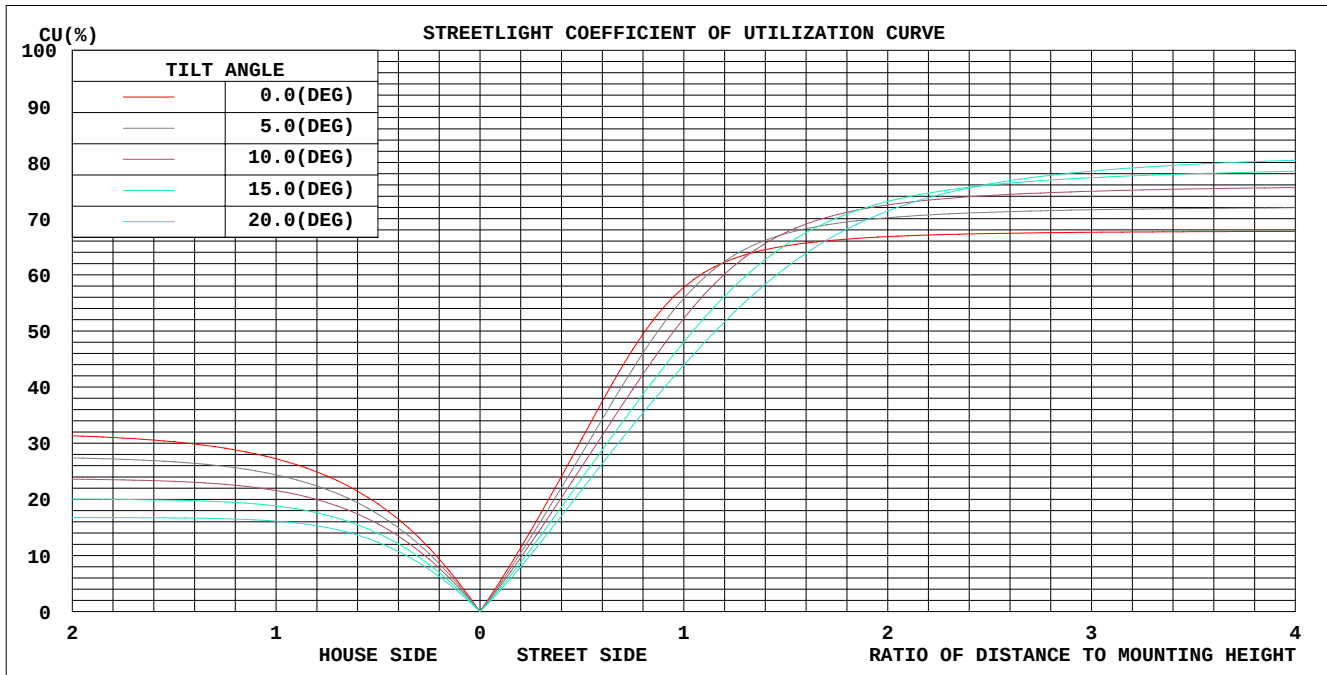
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-12-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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
10	2059	2344	2484	2344	2059	1746	1601	1746	0- 10	194.9	194.9	2.35, 2.35
20	2115	2660	3080	2660	2115	1531	1204	1531	10- 20	589.8	784.7	9.46, 9.46
30	2218	3052	3766	3052	2218	1366	974.9	1366	20- 30	1011	1796	21.7, 21.7
40	2368	3652	3095	3652	2368	1207	813.0	1207	30- 40	1447	3243	39.1, 39.1
50	2488	3664	962.6	3664	2488	975.5	661.4	975.5	40- 50	1659	4902	59.1, 59.1
60	2502	1523	360.7	1523	2502	742.0	410.1	742.0	50- 60	1546	6448	77.8, 77.8
70	1996	251.9	157.0	251.9	1996	277.2	149.4	277.2	60- 70	1241	7689	92.7, 92.7
80	325.9	43.04	10.42	43.04	325.9	47.65	7.063	47.65	70- 80	574.4	8264	99.7, 99.6
90	0	0	0	0	0	0	0	0	80- 90	28.78	8292	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

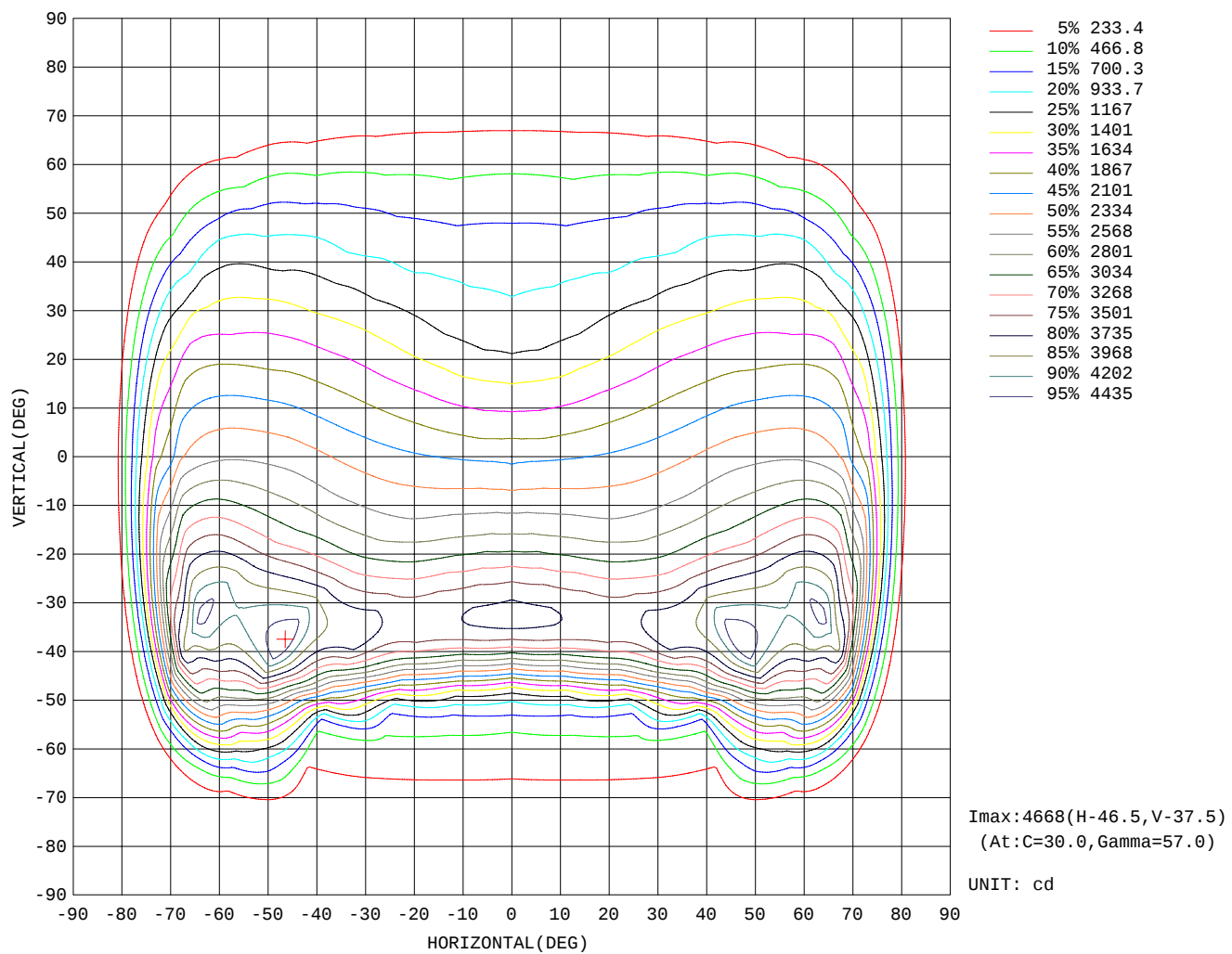
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.470m [K=1.0000]
 Remarks:

Assessor:

ISOCANDELA DIAGRAM



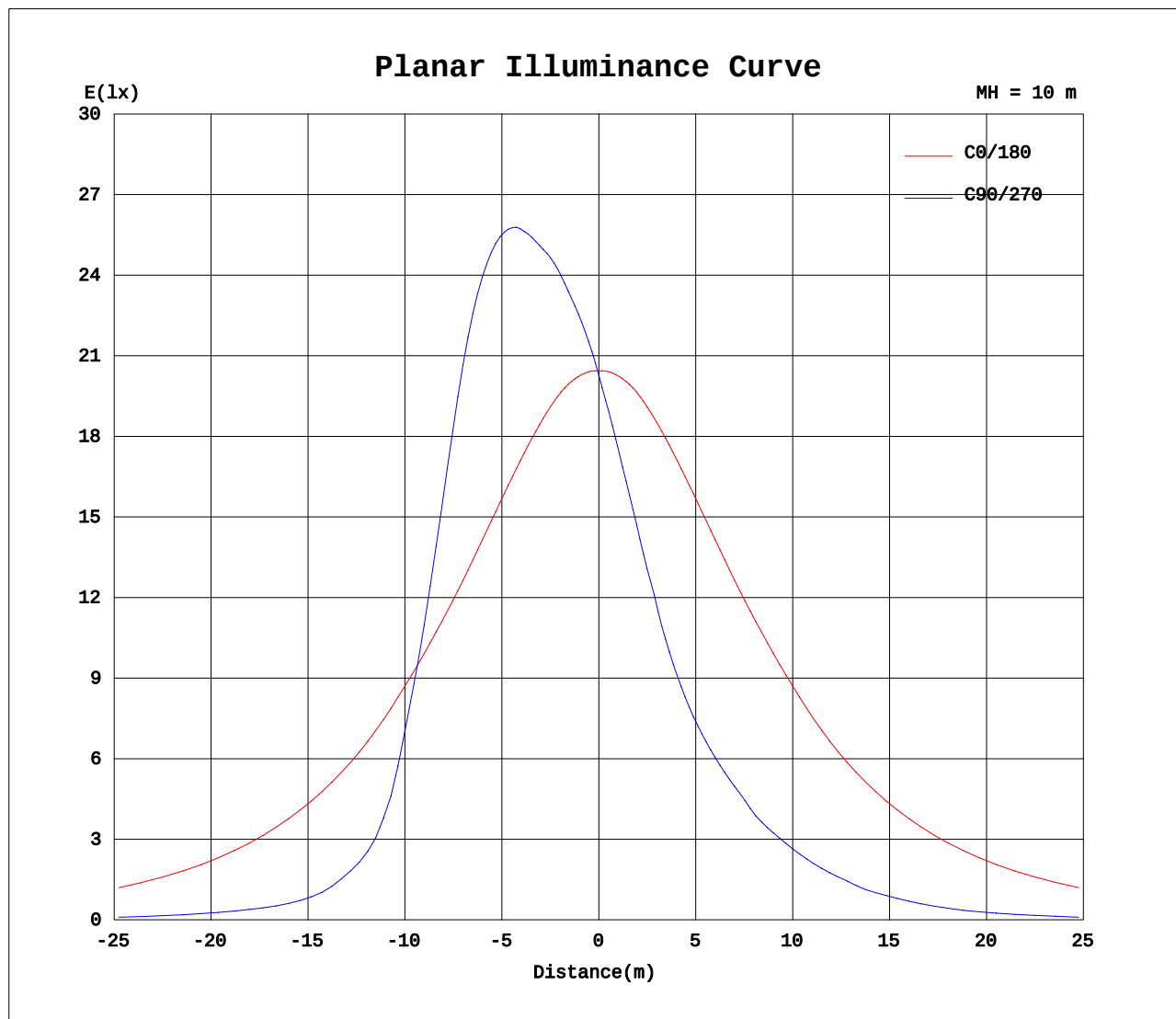
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

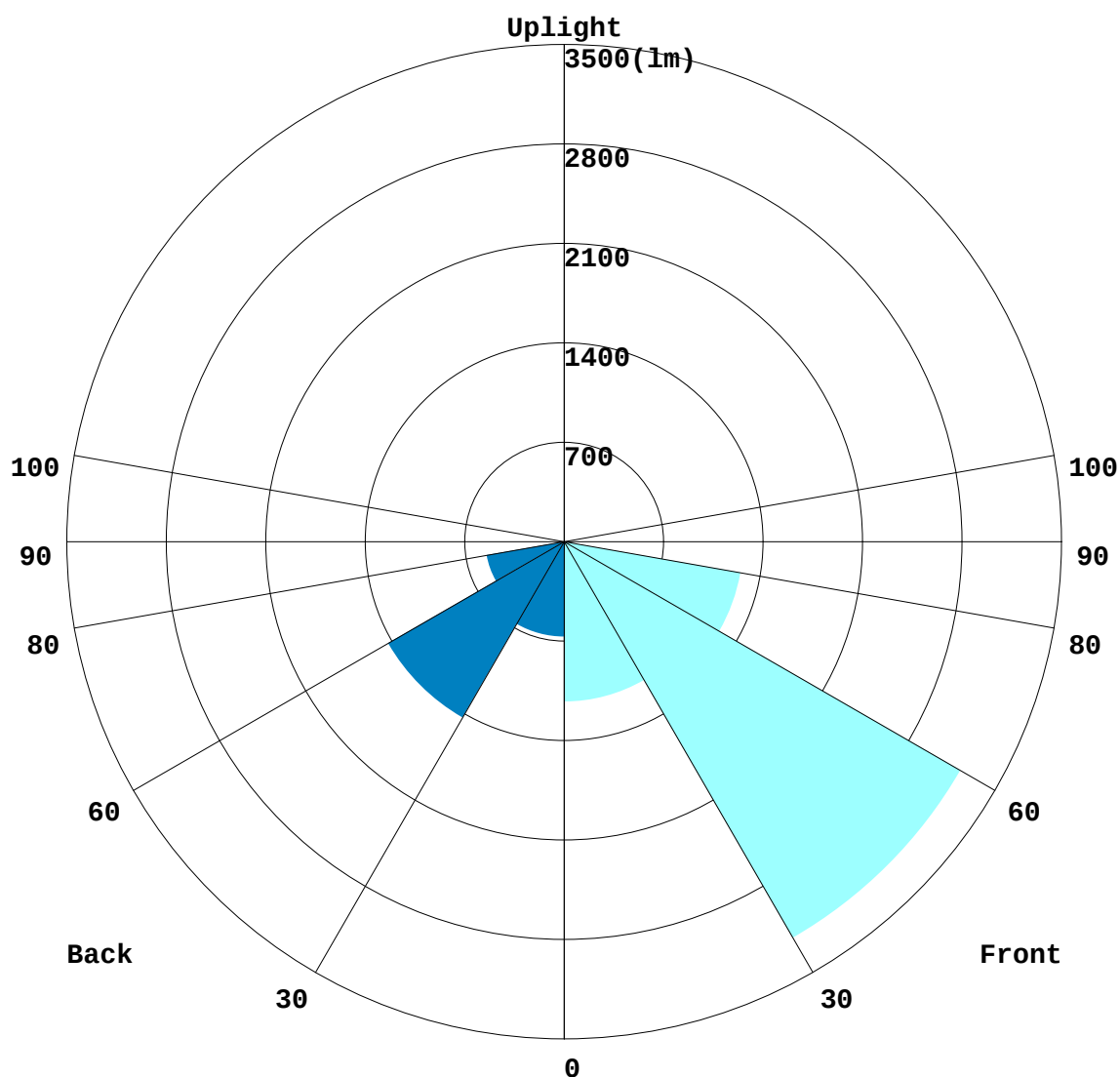
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.3183A P:70.06W PF:0.9572 Lamp Flux:8293x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09601	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 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:0.3183A P:70.06W PF:0.9572 Lamp Flux:8293x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09601	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1126.6	13.6
FM - Front-Medium(30-60)	3221.1	38.8
FH - Front-High(60-80)	1261.8	15.2
FVH - Front-Very High(80-90)	16.896	0.2
Total Forward Light	5626.4	67.8

BL - Back-Low(0-30)	669.64	8.1
BM - Back-Medium(30-60)	1431	17.3
BH - Back-High(60-80)	553.54	6.7
BVH - Back-Very High(80-90)	11.887	0.1
Total Back Light	2666.1	32.2

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2666.1	0	2666.1
Street Side	5626.4	0	5626.4

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

Checker:

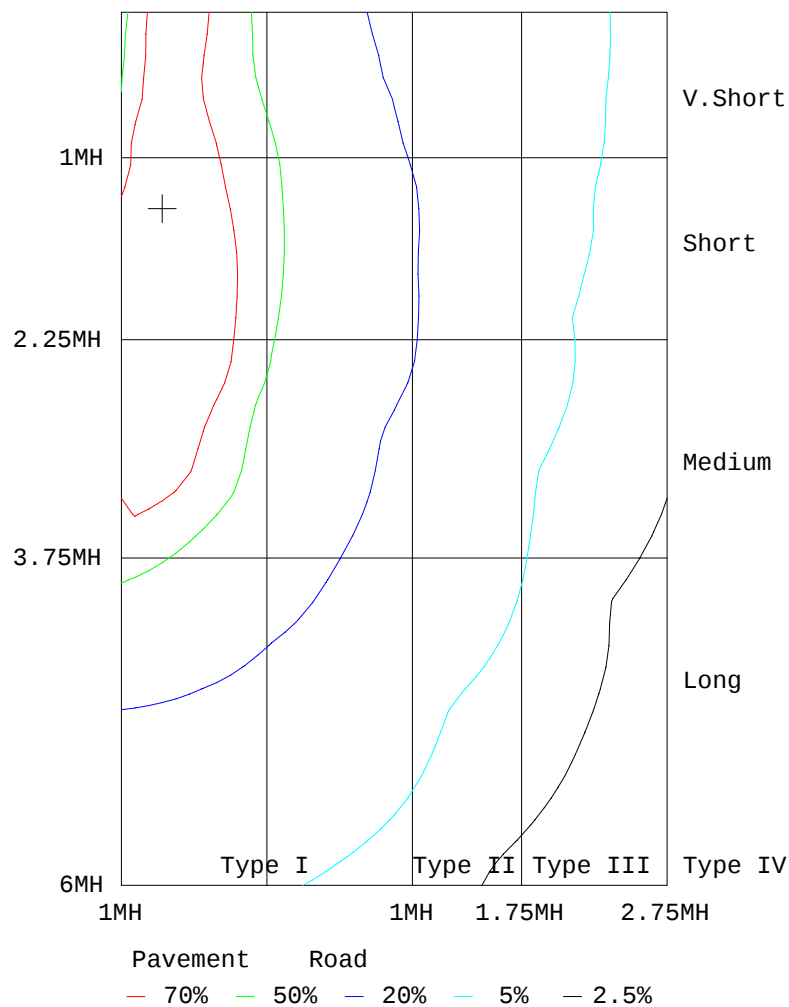
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.3183A P:70.06W PF:0.9572 Lamp Flux:8293x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09601	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 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: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-12-06

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

```

Checker :

Assessor:

