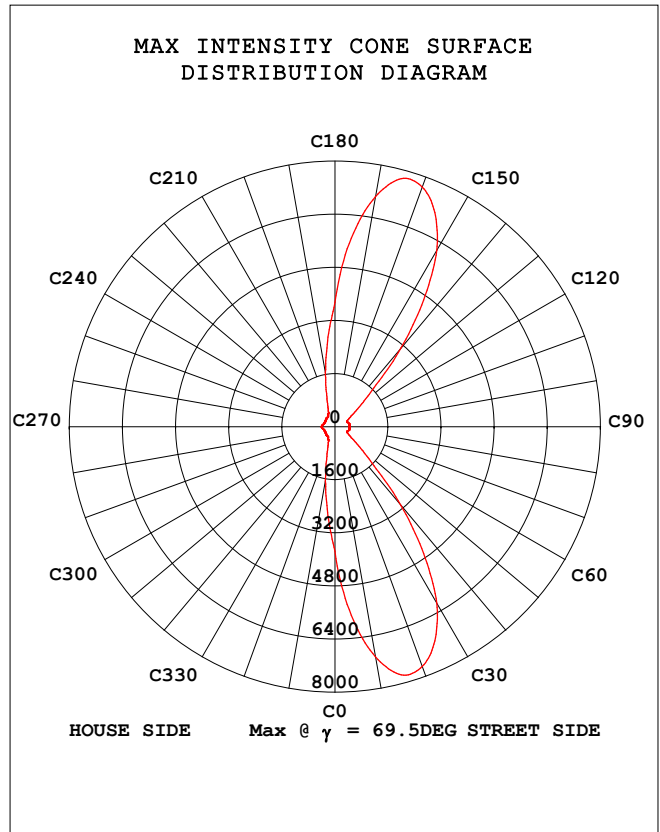
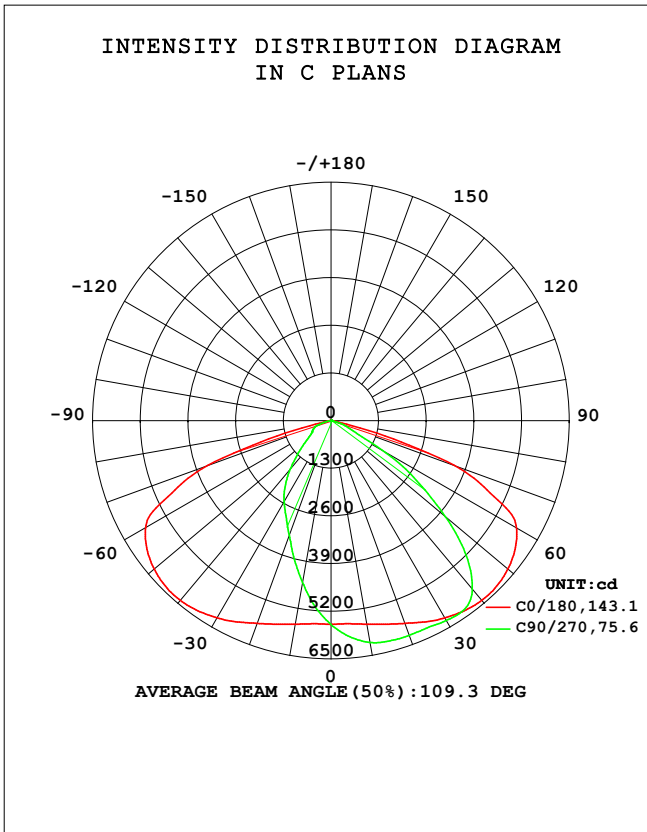


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.6604A P:147.0W PF:0.9678 Lamp Flux:17898.4x1 lm		
	TYPE:150W	WEIGHT:
SPEC.:6500K Ra70 R17601	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.73 lm/W			
MODEL	3030	Imax (cd)	7787	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	67.7
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	17898	η house_up (%)	0.0
NOMINAL FLUX (lm)	17898.4	MAXIMUM @ (C, γ)	18,69.5	η house_down (%)	32.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



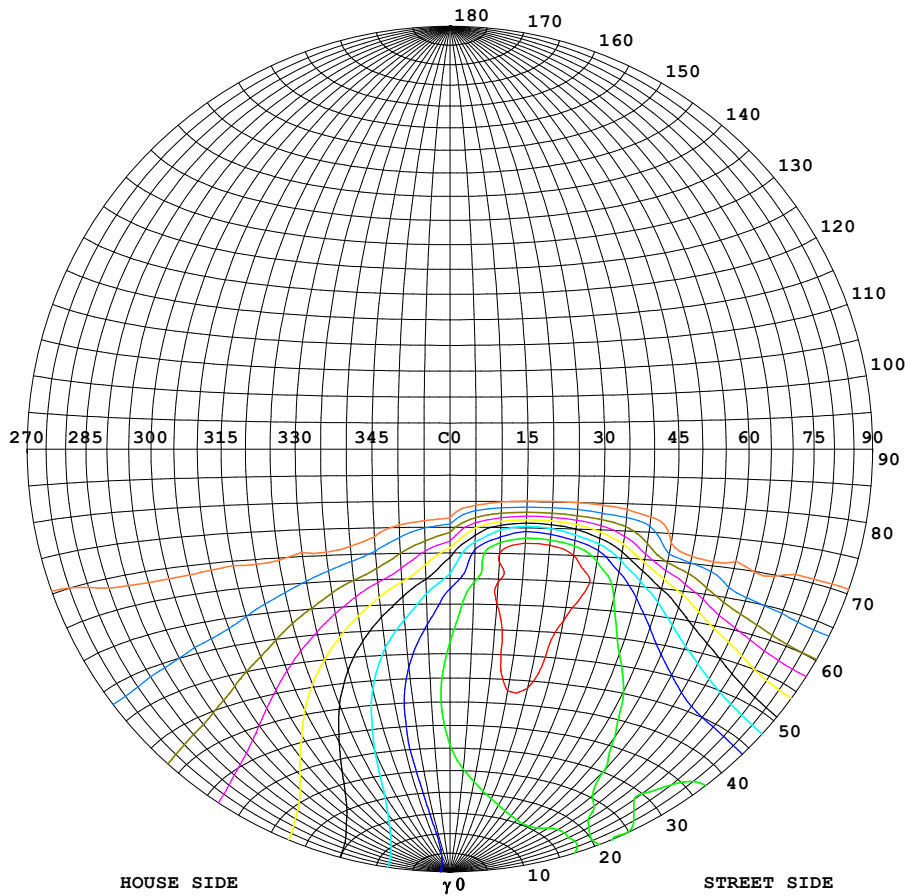
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks:

Checker: LI
 Note: SLI: Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Medium
 CIE:Average - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:23.48cd/klm
 Max.At90:0cd/klm
 Max.80-90:23.48cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7787
90%	7008
80%	6229
70%	5451
60%	4672
50%	3893
40%	3115
30%	2336
20%	1557
10%	779
5%	389

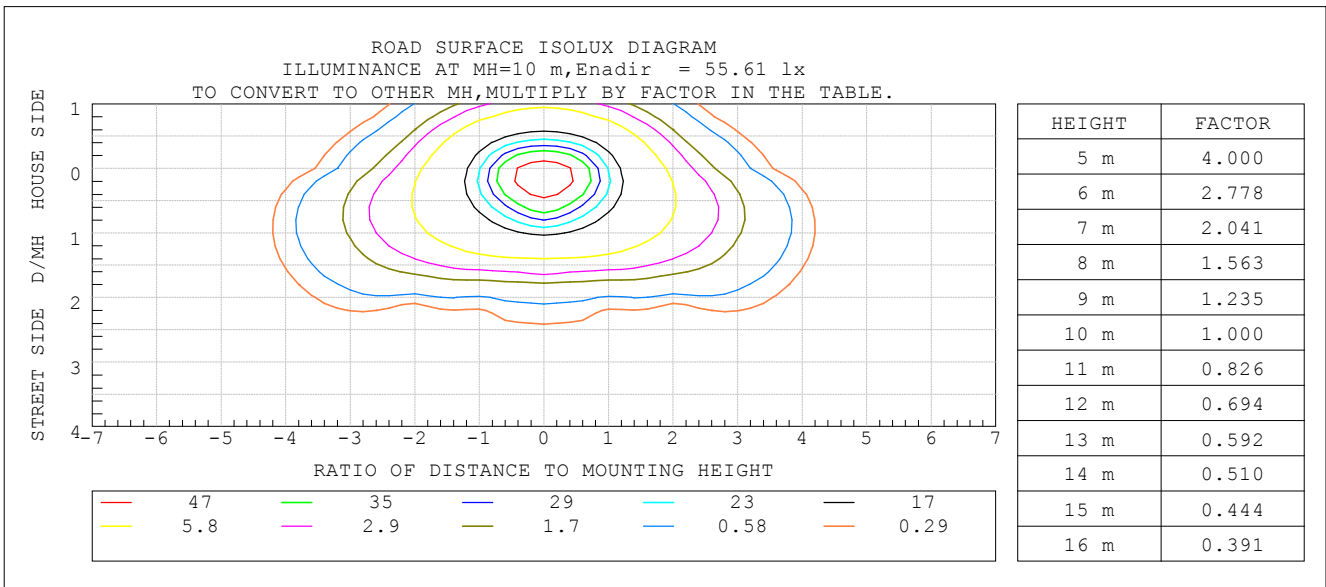
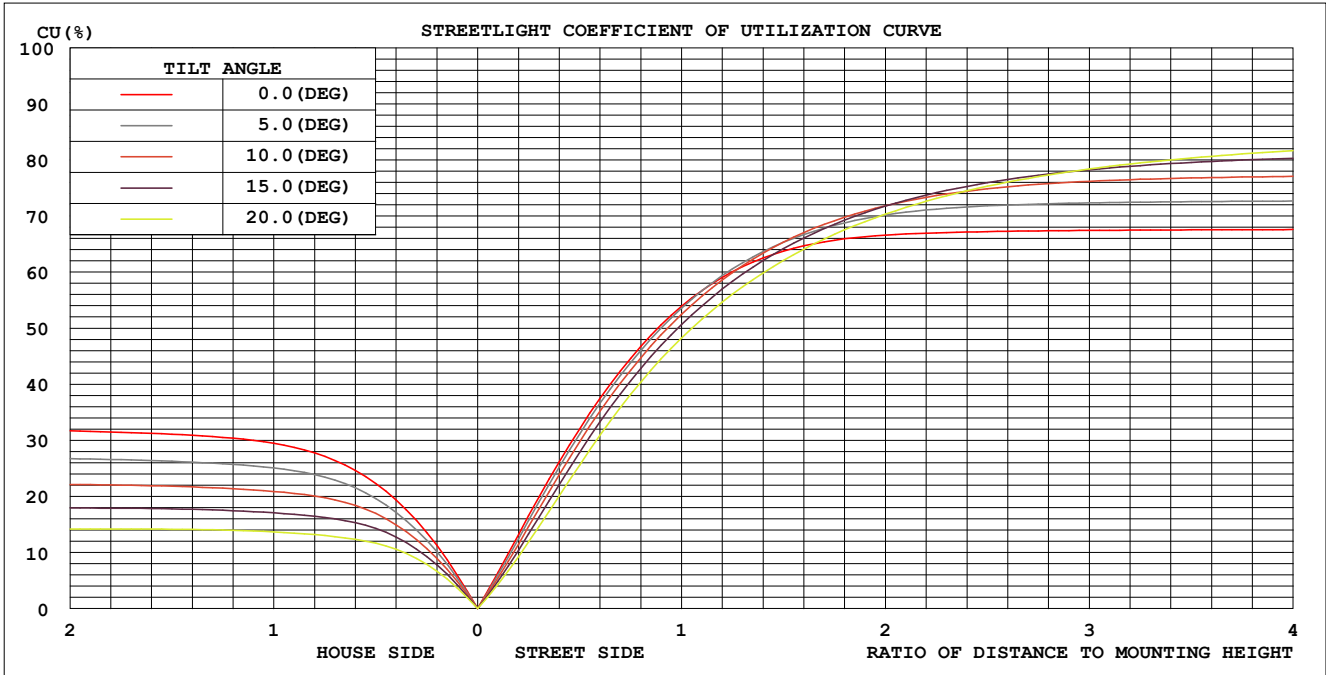
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	5561	5813	5916	5813	5561	5218	5086	5218	0- 5	132.4	132.4	0.74,0.74
10	5637	6040	6141	6040	5637	4842	4485	4842	5- 10	392.5	524.8	2.93,2.93
15	5748	6222	6216	6222	5748	4466	3903	4466	10- 15	641.9	1167	6.52,6.52
20	5884	6320	6234	6320	5884	4115	3339	4115	15- 20	876.4	2043	11.4,11.4
25	6057	6358	6230	6358	6057	3789	2907	3789	20- 25	1096	3139	17.5,17.5
30	6210	6367	6291	6367	6210	3492	2565	3492	25- 30	1304	4443	24.8,24.8
35	6332	6342	6309	6342	6332	3187	2188	3187	30- 35	1494	5936	33.2,33.2
40	6398	6308	5997	6308	6398	2844	1741	2844	35- 40	1648	7584	42.4,42.4
45	6391	6239	5221	6239	6391	2393	1291	2393	40- 45	1747	9331	52.1,52.1
50	6298	6050	4073	6050	6298	1822	917.1	1822	45- 50	1770	11102	62,62
55	6129	5709	2845	5709	6129	1215	691.8	1215	50- 55	1712	12814	71.6,71.6
60	5839	5153	1593	5153	5839	765.0	597.5	765.0	55- 60	1586	14400	80.5,80.5
65	4905	3848	667.4	3848	4905	517.1	523.6	517.1	60- 65	1381	15782	88.2,88.2
70	3571	1402	414.7	1402	3571	359.7	404.8	359.7	65- 70	1111	16892	94.4,94.4
75	1070	282.2	140.0	282.2	1070	206.2	159.7	206.2	70- 75	736.9	17629	98.5,98.5
80	107.9	100.0	30.69	100.0	107.9	66.62	4.205	66.62	75- 80	238.4	17868	99.8,99.8
85	22.01	17.70	8.609	17.70	22.01	10.33	2.601	10.33	80- 85	25.35	17893	100,100
90	0	0	0	0	0	0	0	0	85- 90	5.475	17898	100,100
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: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

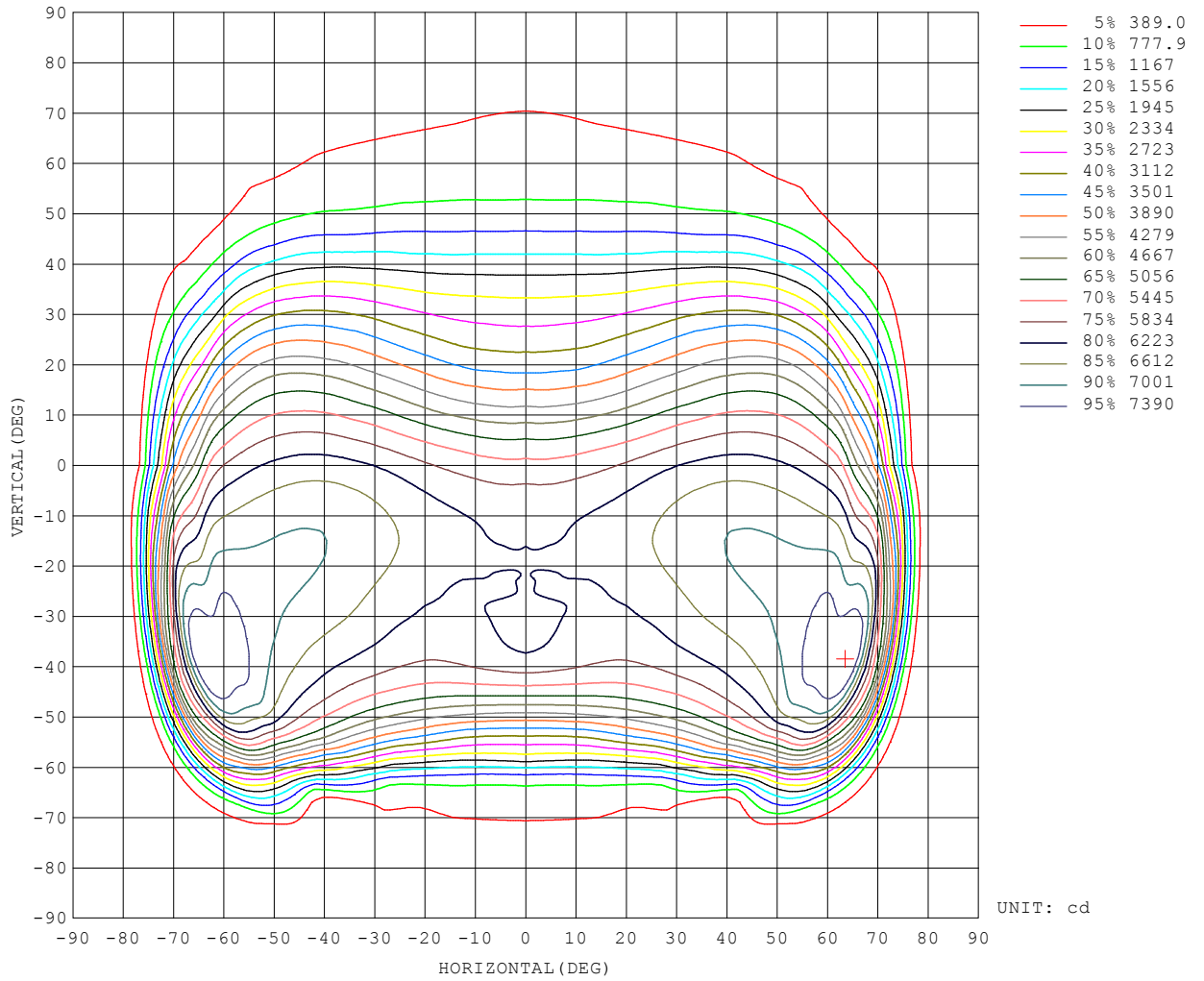
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



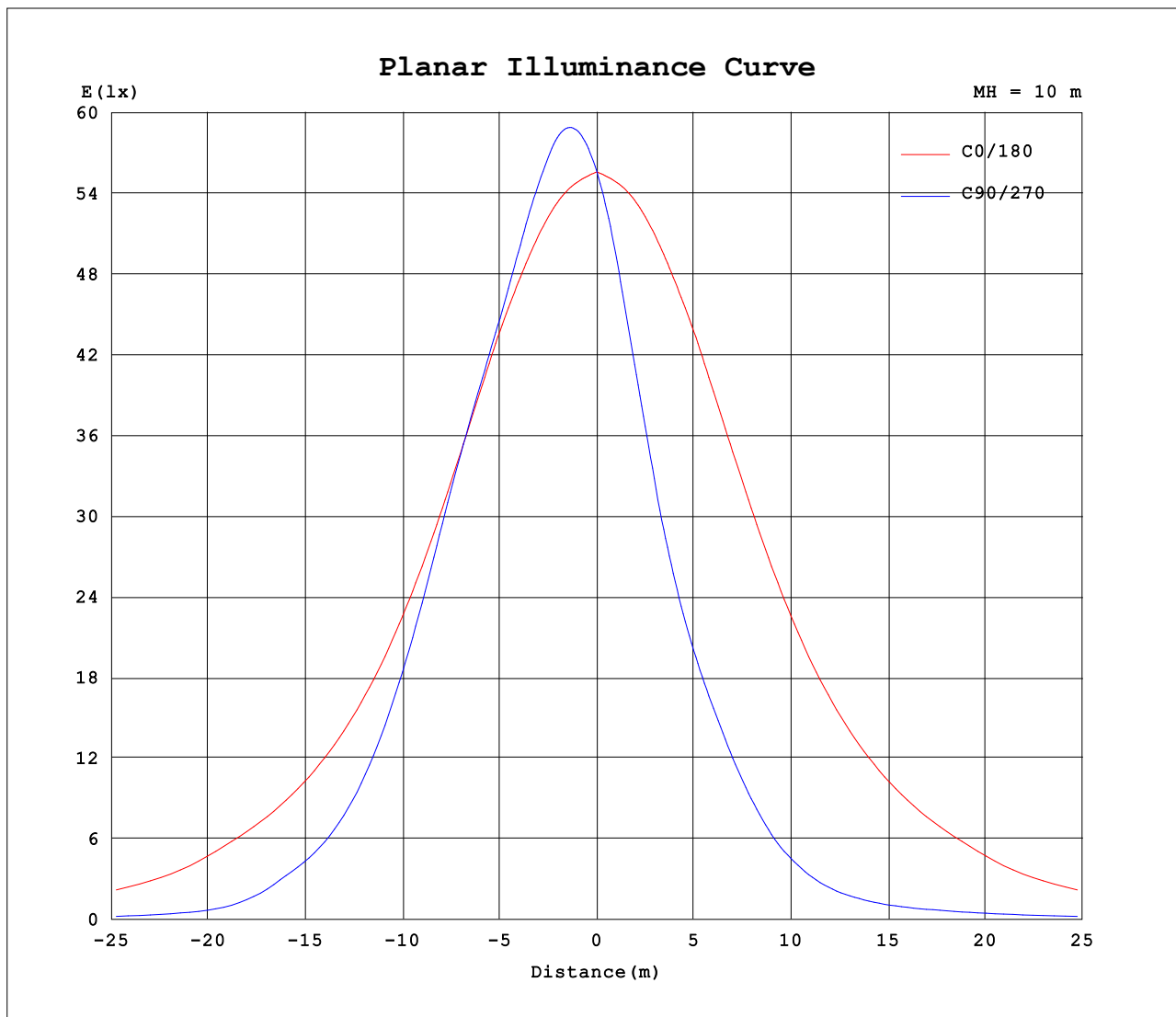
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.500m [K=1.0000]
 Remarks:

Checker: LI

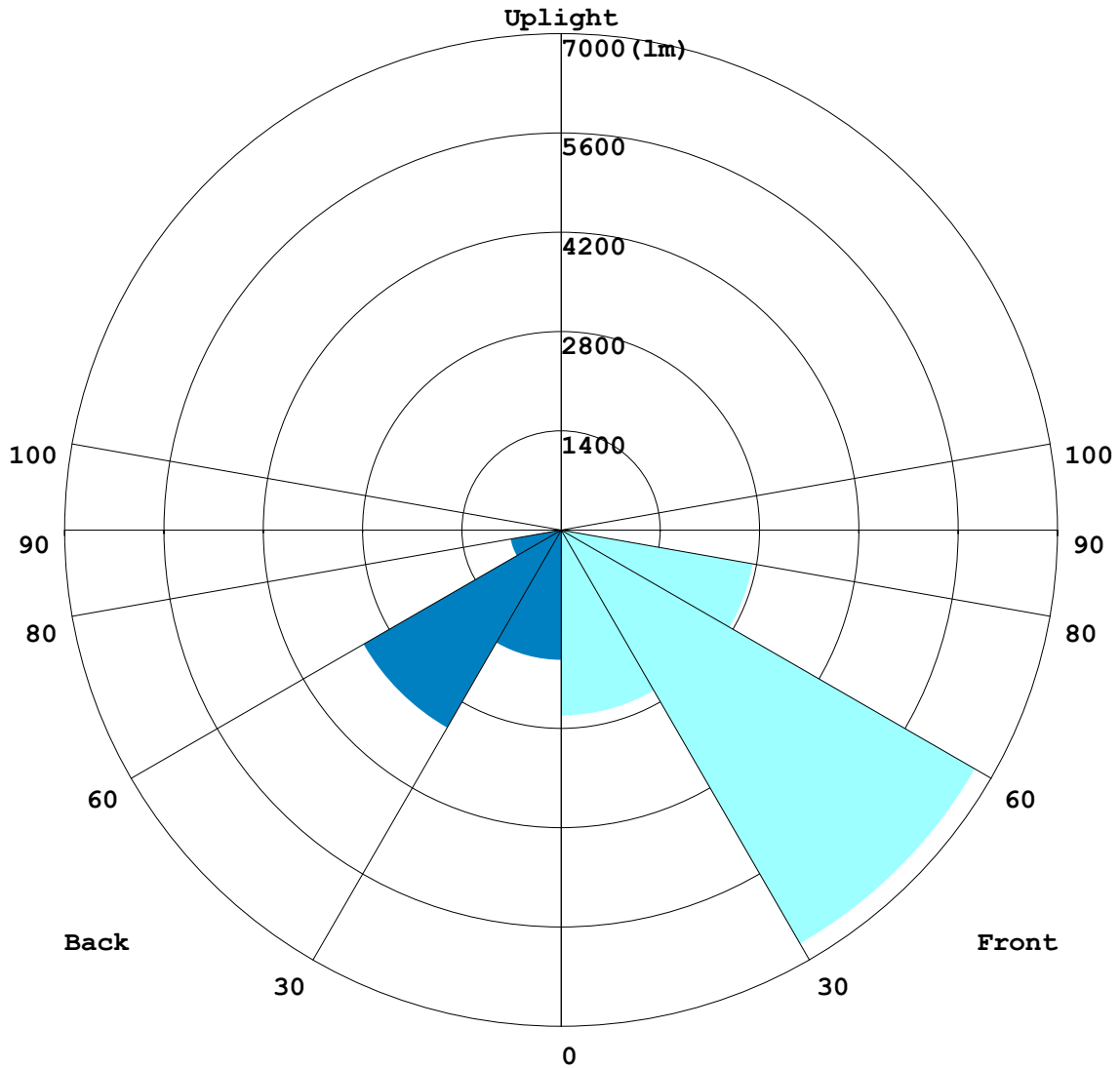
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.1V I:0.6604A P:147.0W PF:0.9678 Lamp Flux:17898.4x1 lm		
	TYPE:150W	WEIGHT:
SPEC.:6500K Ra70 R17601	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.1V I:0.6604A P:147.0W PF:0.9678 Lamp Flux:17898.4x1 lm		
	TYPE:150W	WEIGHT:
SPEC.:6500K Ra70 R17601	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2613.2	14.6
FM - Front-Medium(30-60)	6737.7	37.6
FH - Front-High(60-80)	2743.2	15.3
FVH - Front-Very High(80-90)	20.754	0.1
Total Forward Light	12115	67.7

BL - Back-Low(0-30)	1829.4	10.2
BM - Back-Medium(30-60)	3220.2	18.0
BH - Back-High(60-80)	723.93	4.0
BVH - Back-Very High(80-90)	10.069	0.1
Total Back Light	5783.6	32.3

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	5783.6	0	5783.6
Street Side	12115	0	12115

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

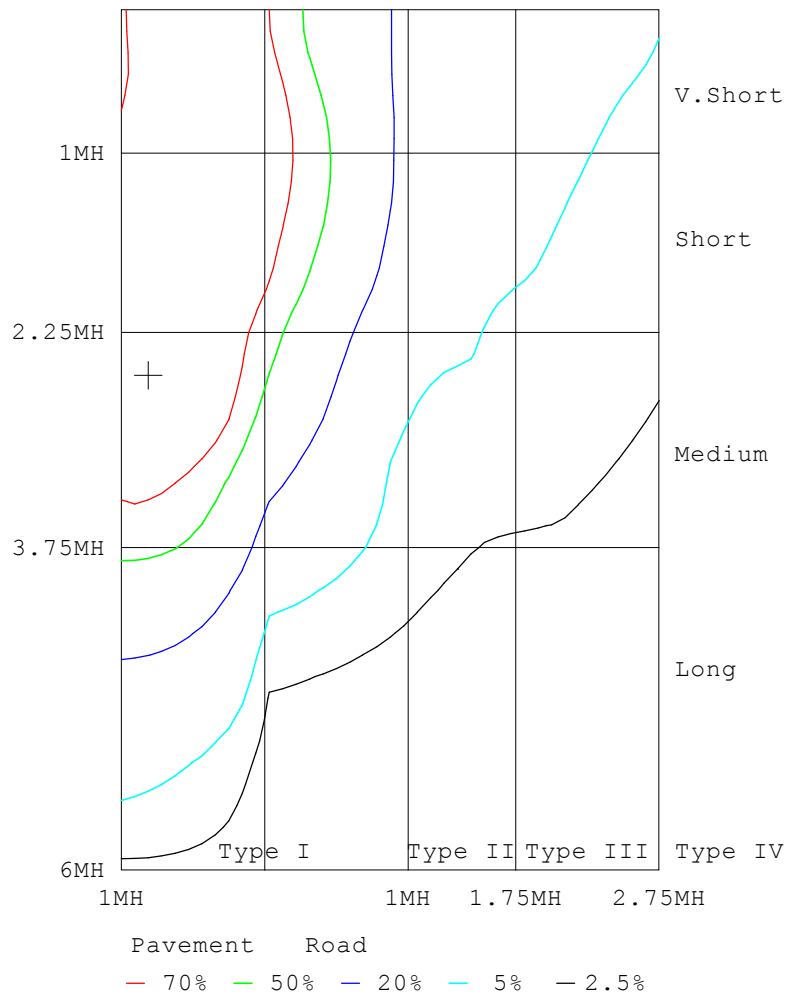
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.6604A P:147.0W PF:0.9678 Lamp Flux:17898.4x1 lm		
	TYPE:150W	WEIGHT:
SPEC.:6500K Ra70 R17601	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor: