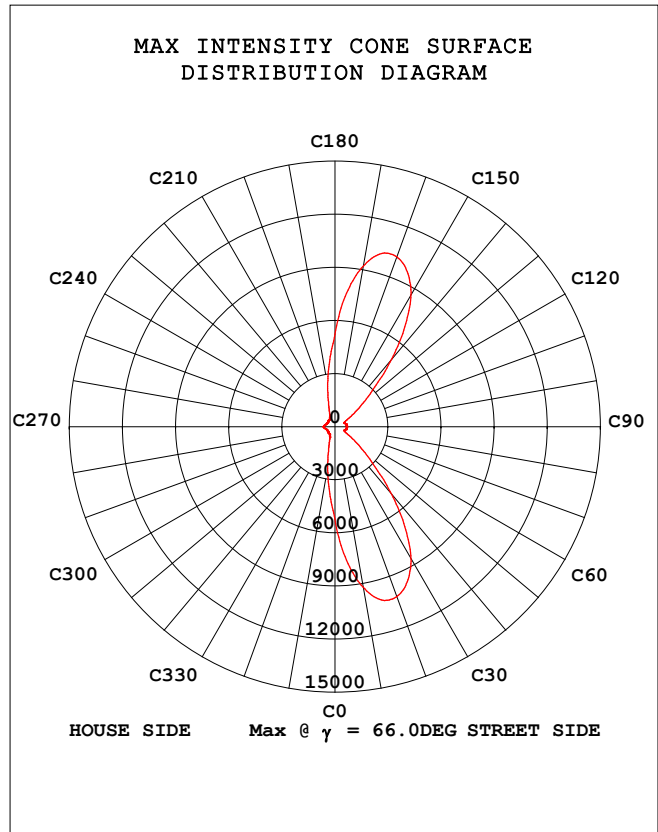
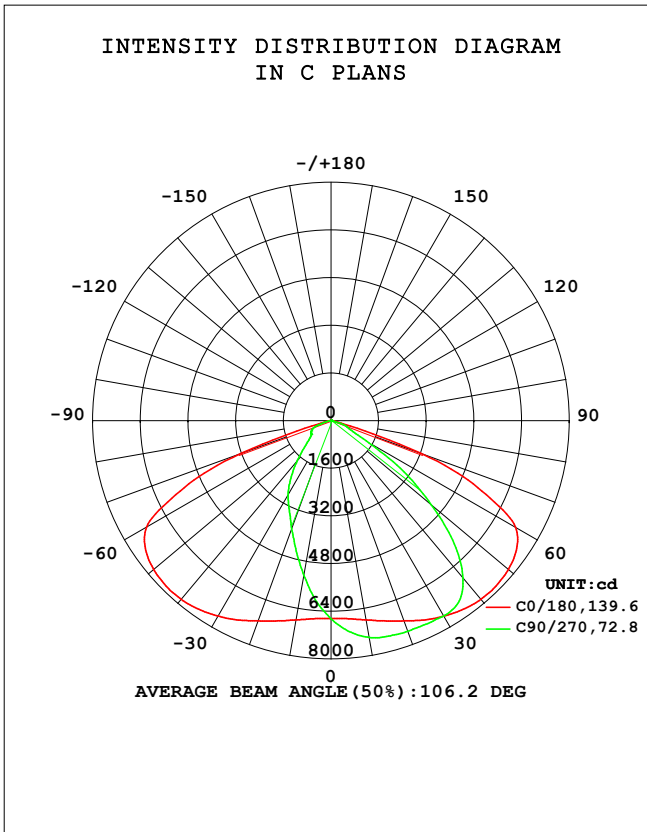


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.7889A P:176.1W PF:0.9705 Lamp Flux:20818.4x1 lm		
	TYPE:180W	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: 118.20 lm/W			
MODEL	3030	I _{max} (cd)	10258	η street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	68.6
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20818	η house_up (%)	0.0
NOMINAL FLUX (lm)	20818.4	MAXIMUM @ (C, γ)	18,66.0	η house_down (%)	31.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



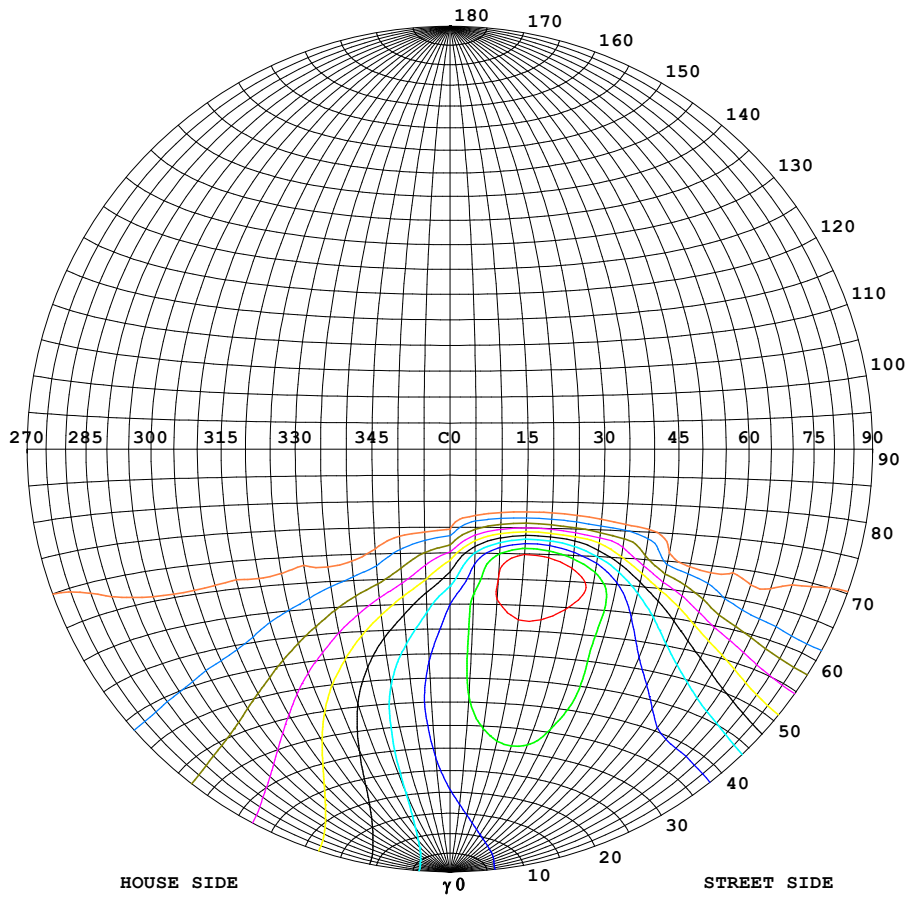
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-09-21

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 - Short
 CIE:Average - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:8.058cd/klm
 Max.At90:0cd/klm
 Max.80-90:8.058cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10258
90%	9232
80%	8206
70%	7181
60%	6155
50%	5129
40%	4103
30%	3077
20%	2052
10%	1026
5%	513

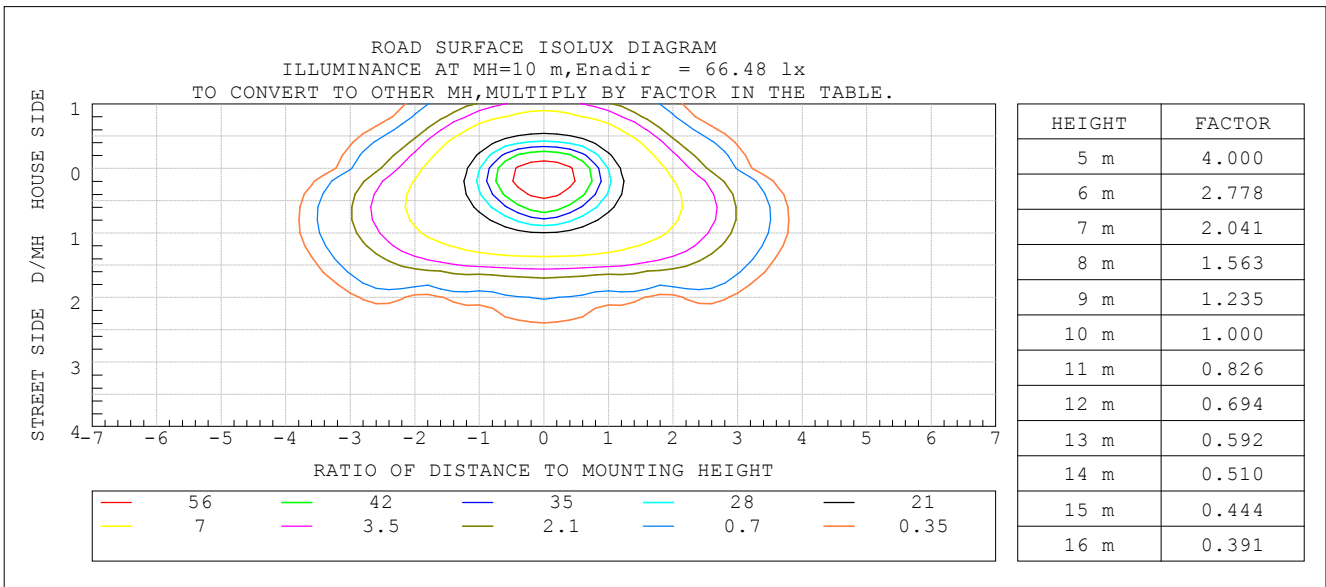
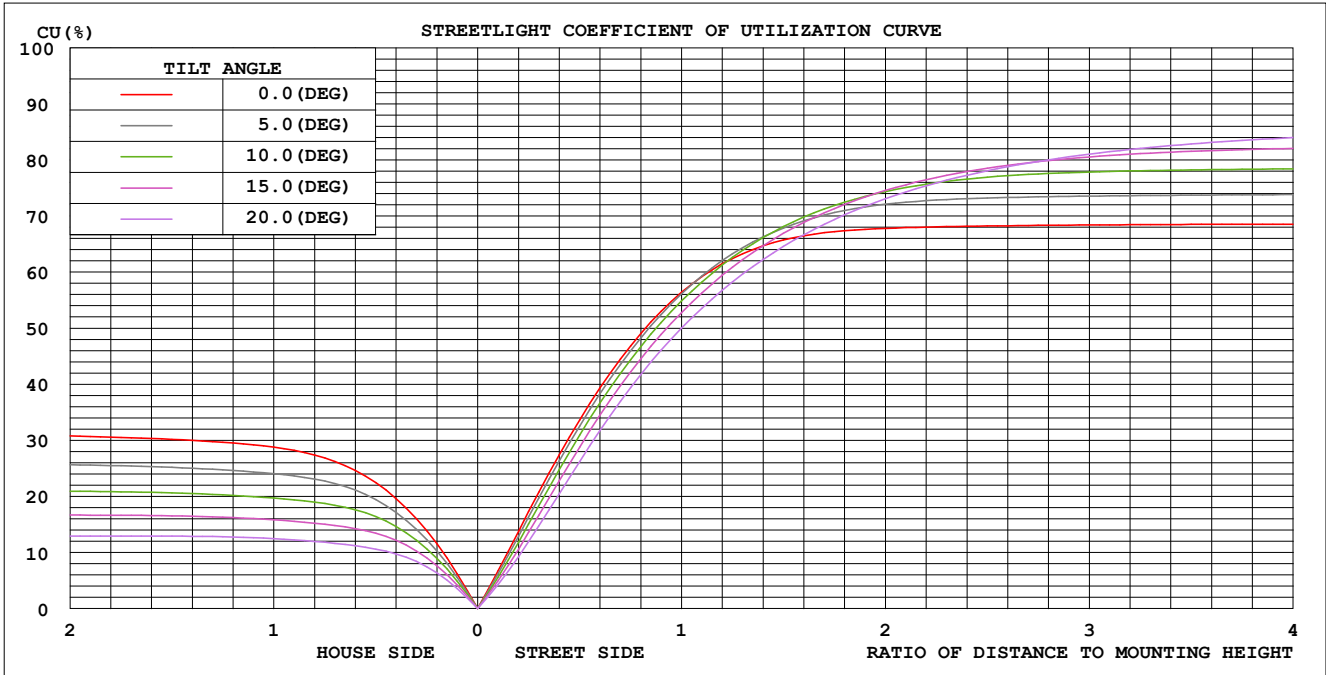
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-09-21

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	667.4	699.2	710.5	699.2	667.4	623.0	603.9	623.0	0- 5	158.5	158.5	0.76,0.76
10	679.3	730.6	739.0	730.6	679.3	575.2	526.8	575.2	5- 10	470.5	629.0	3.02,3.02
15	695.8	755.2	748.6	755.2	695.8	527.9	453.0	527.9	10- 15	770.3	1399	6.72,6.72
20	715.3	768.6	752.4	768.6	715.3	484.1	386.9	484.1	15- 20	1053	2452	11.8,11.8
25	738.4	773.9	753.8	773.9	738.4	444.3	332.4	444.3	20- 25	1319	3771	18.1,18.1
30	757.5	776.9	756.9	776.9	757.5	406.4	289.1	406.4	25- 30	1569	5340	25.7,25.7
35	773.3	775.7	745.6	775.7	773.3	365.2	235.7	365.2	30- 35	1792	7132	34.3,34.3
40	782.7	772.4	689.2	772.4	782.7	314.5	178.0	314.5	35- 40	1966	9098	43.7,43.7
45	784.1	763.0	585.2	763.0	784.1	249.0	127.3	249.0	40- 45	2069	11168	53.6,53.6
50	777.0	735.1	439.6	735.1	777.0	177.3	94.37	177.3	45- 50	2084	13252	63.7,63.7
55	759.2	691.1	298.1	691.1	759.2	111.3	80.82	111.3	50- 55	2010	15262	73.3,73.3
60	714.9	608.4	136.8	608.4	714.9	77.11	78.42	77.11	55- 60	1856	17118	82.2,82.2
65	559.2	382.0	72.02	382.0	559.2	56.75	69.53	56.75	60- 65	1608	18726	89.9,89.9
70	319.4	77.80	52.81	77.80	319.4	38.72	50.97	38.72	65- 70	1253	19979	96,96
75	42.53	29.69	17.14	29.69	42.53	21.15	14.68	21.15	70- 75	676.7	20656	99.2,99.2
80	11.09	10.60	3.473	10.60	11.09	5.832	0.2889	5.832	75- 80	138.6	20794	99.9,99.9
85	1.346	1.063	0.7340	1.063	1.346	0.8740	0.2851	0.8740	80- 85	19.79	20814	100,100
90	0	0	0	0	0	0	0	0	85- 90	4.138	20818	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:×10cd									UNIT:lm		

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

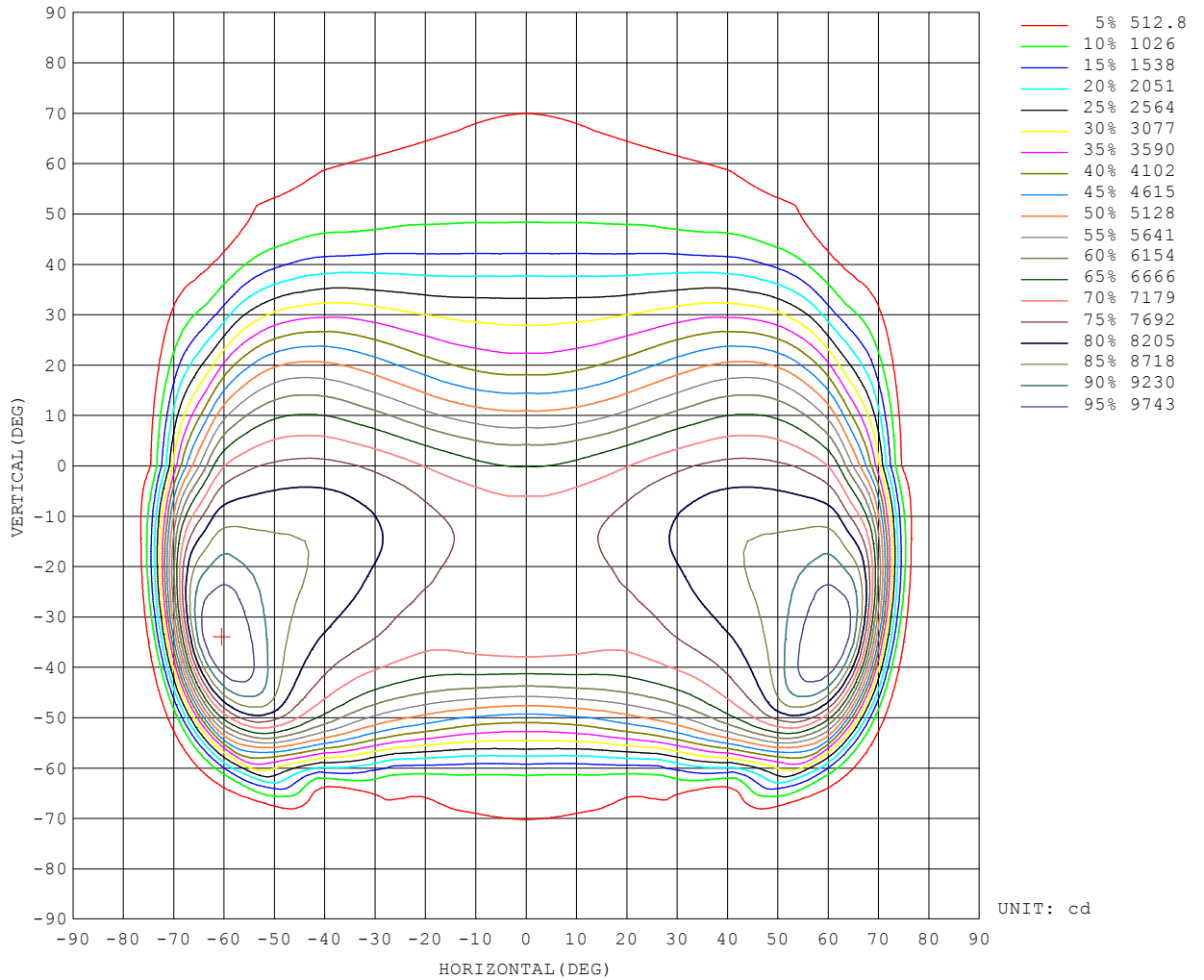
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



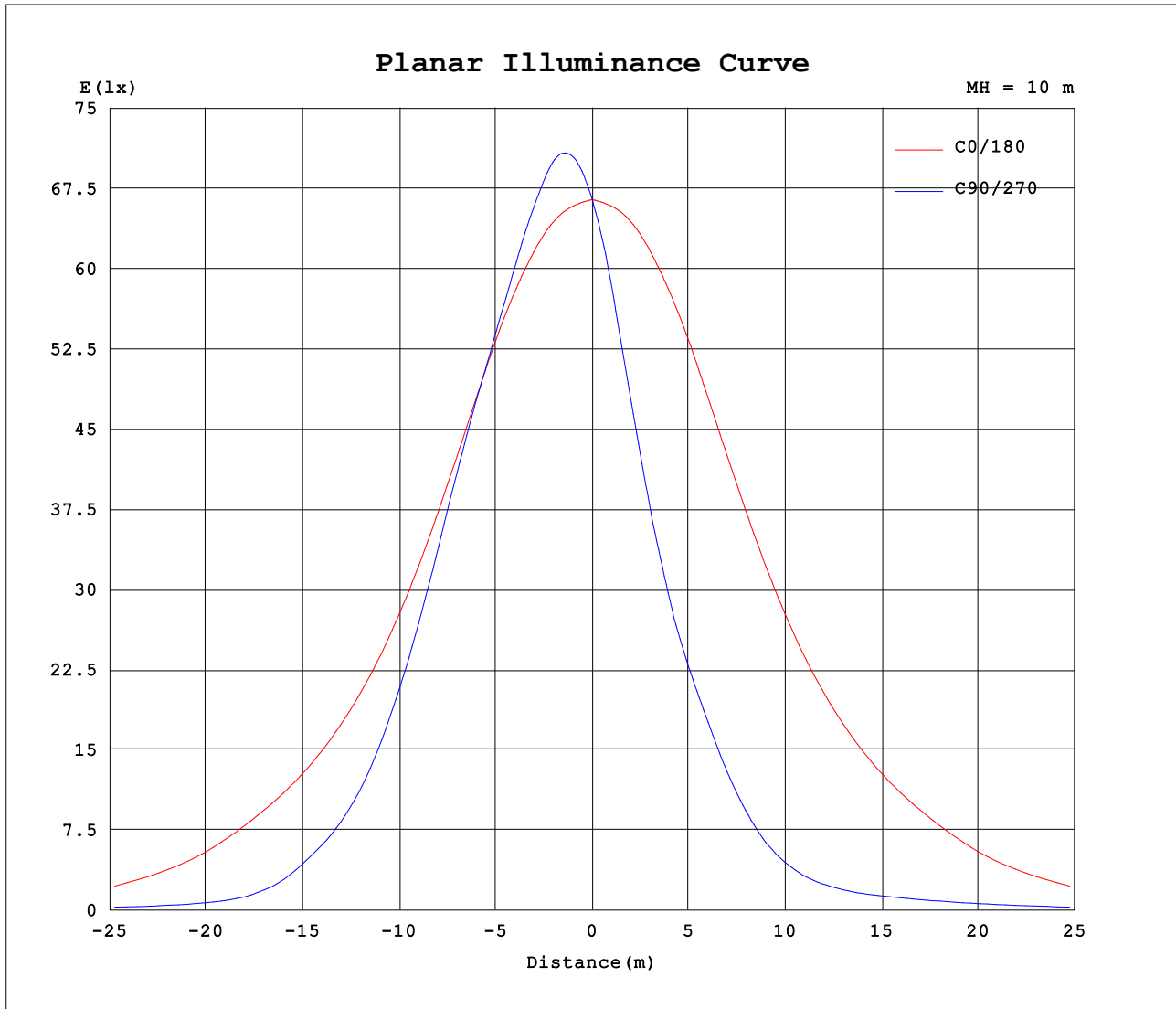
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-09-21

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

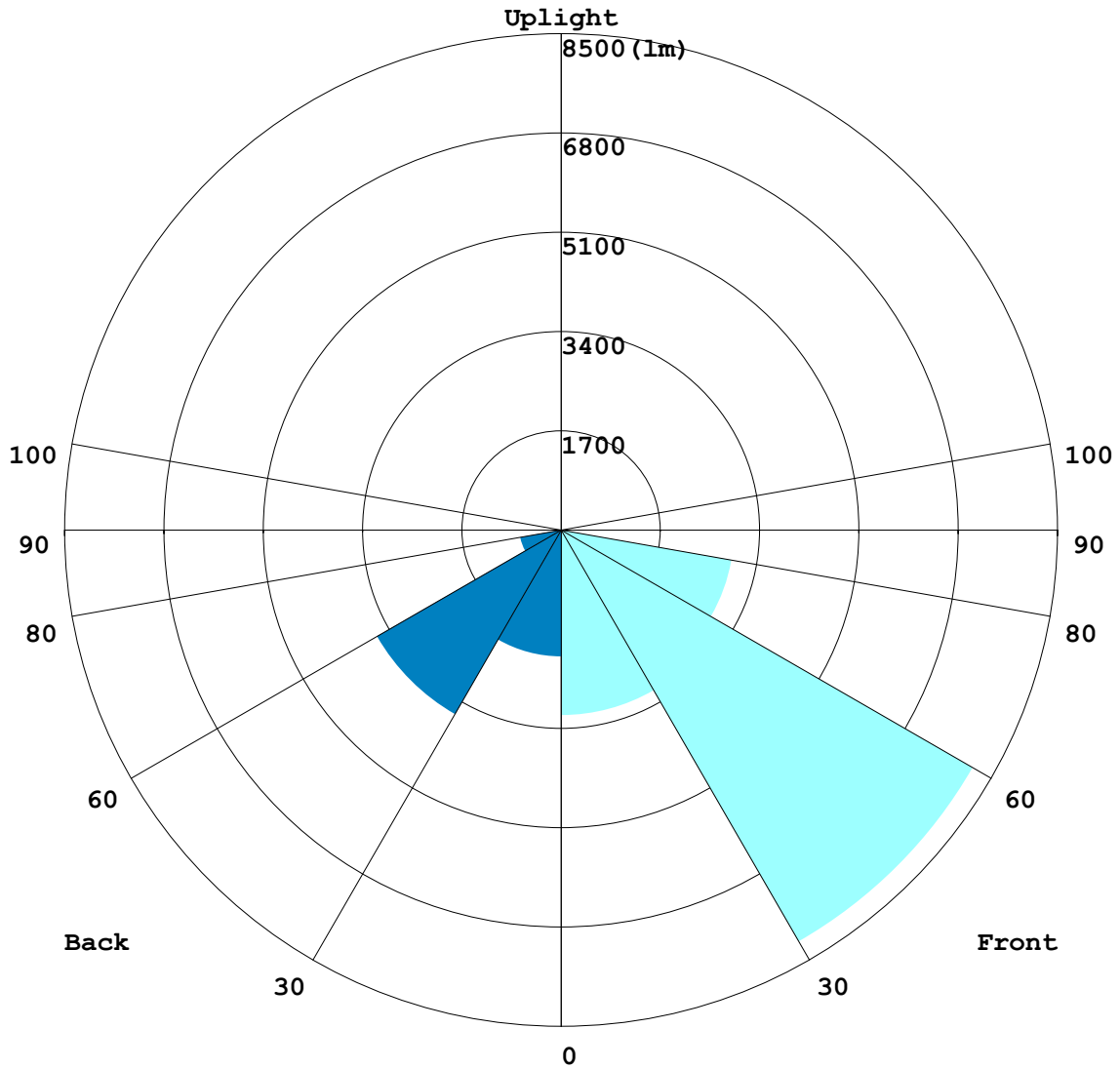
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.0V I:0.7889A P:176.1W PF:0.9705 Lamp Flux:20818.4x1 lm		
	TYPE:180W	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:230.0V I:0.7889A P:176.1W PF:0.9705 Lamp Flux:20818.4x1 lm		
	TYPE:180W	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)	3172.3	15.2
FM - Front-Medium(30-60)	8138.3	39.1
FH - Front-High(60-80)	2963.6	14.2
FVH - Front-Very High(80-90)	15.325	0.1
Total Forward Light	14290	68.6

BL - Back-Low(0-30)	2167.6	10.4
BM - Back-Medium(30-60)	3639.3	17.5
BH - Back-High(60-80)	713.19	3.4
BVH - Back-Very High(80-90)	8.6025	0.0
Total Back Light	6528.8	31.4

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	6528.8	0	6528.8
Street Side	14290	0	14290

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

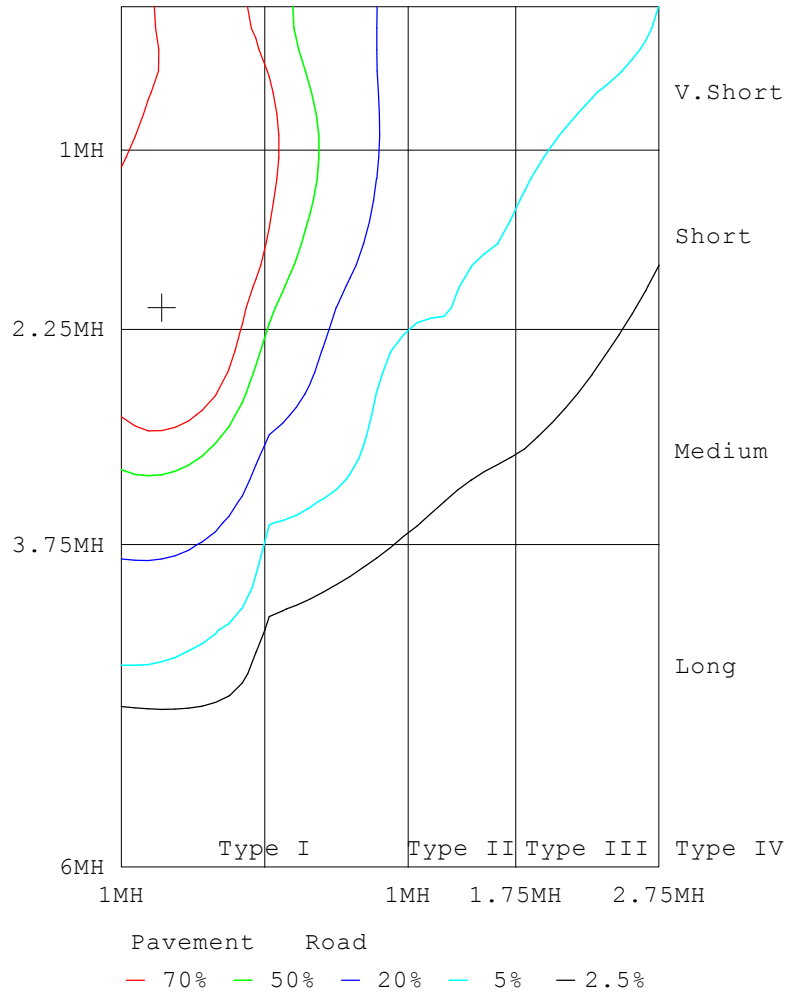
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.7889A P:176.1W PF:0.9705 Lamp Flux:20818.4x1 lm		
	TYPE:180W	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: