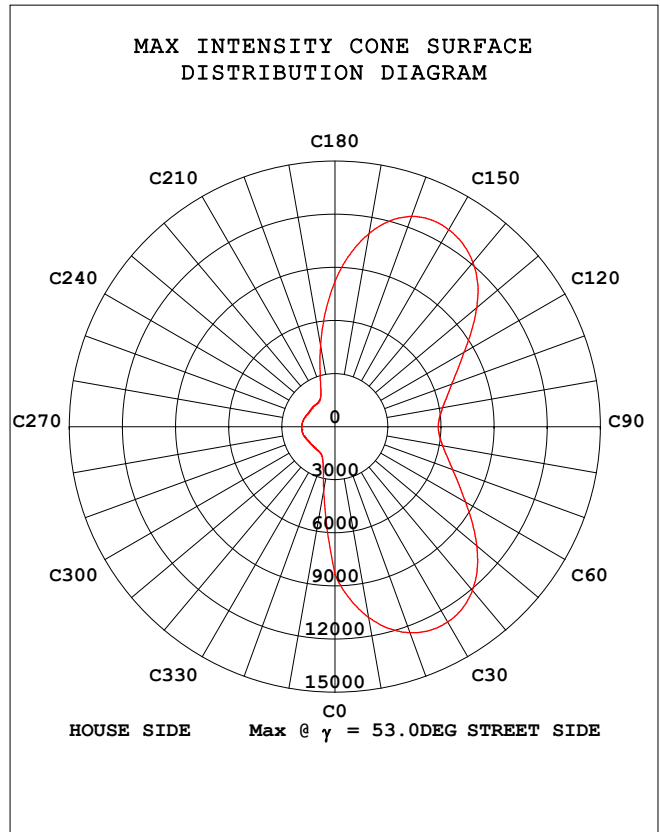
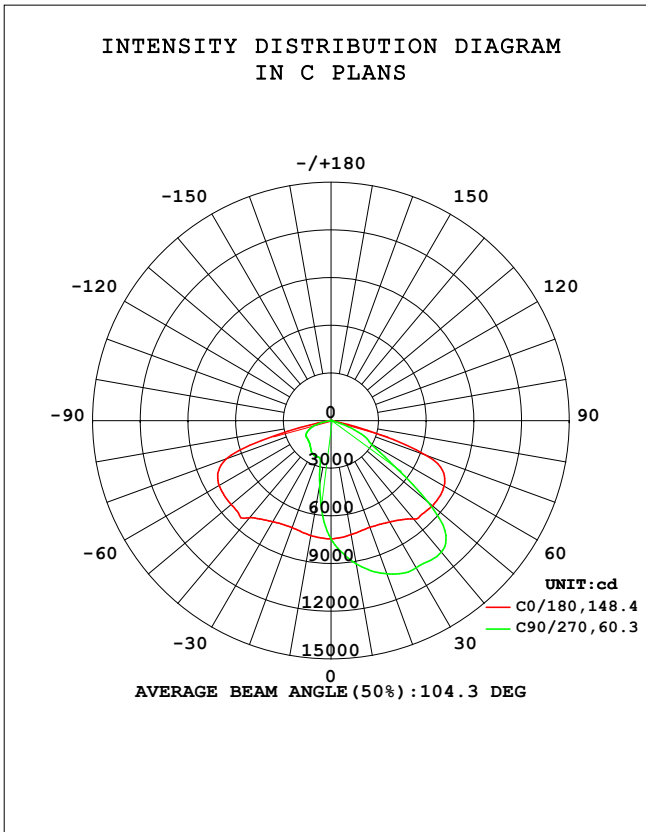


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.7984A P:179.0W PF:0.9745 Freq:49.99Hz Lamp Flux:26247.5x1 lm		
NAME: ST10-180T-4070-R01603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.63 lm/W			
MODEL	3030	Imax (cd)	12850	η street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	75.5
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	26248	η house_up (%)	0.0
NOMINAL FLUX (lm)	26247.5	MAXIMUM @ (C, γ)	150,53.0	η house_down (%)	24.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



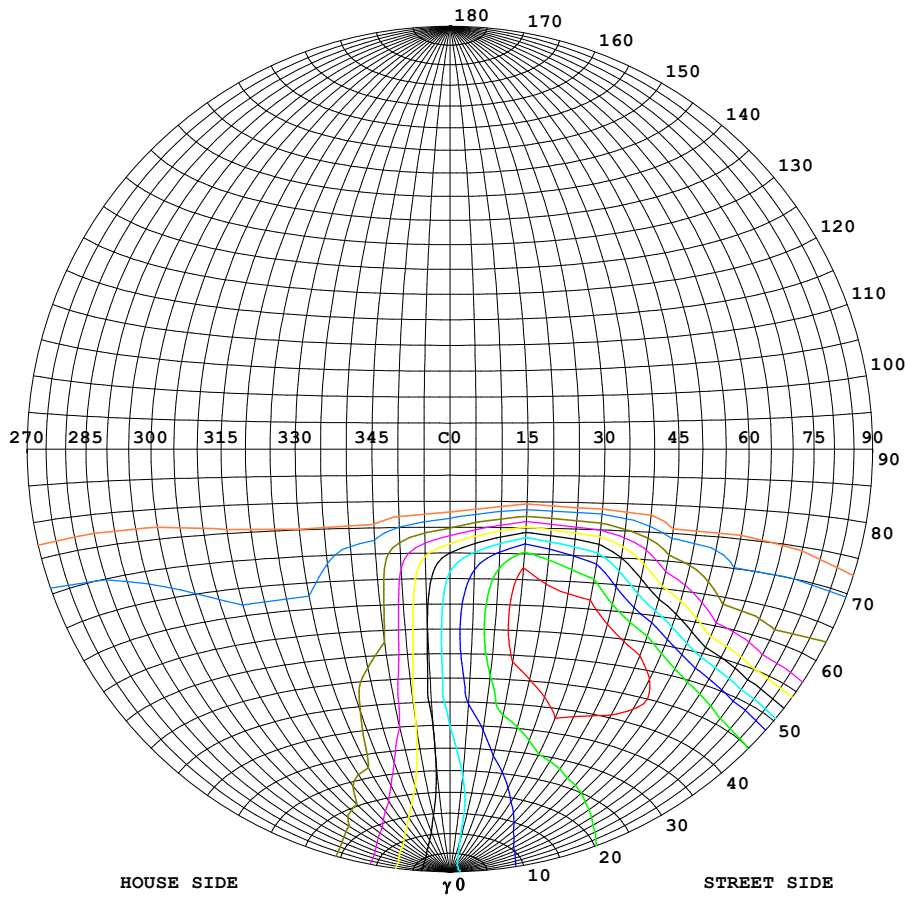
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WJH
 Test Date: 2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:59.64cd/klm
 Max.At90:1.525cd/klm
 Max.80-90:59.64cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12850
90%	11565
80%	10280
70%	8995
60%	7710
50%	6425
40%	5140
30%	3855
20%	2570
10%	1285
5%	643

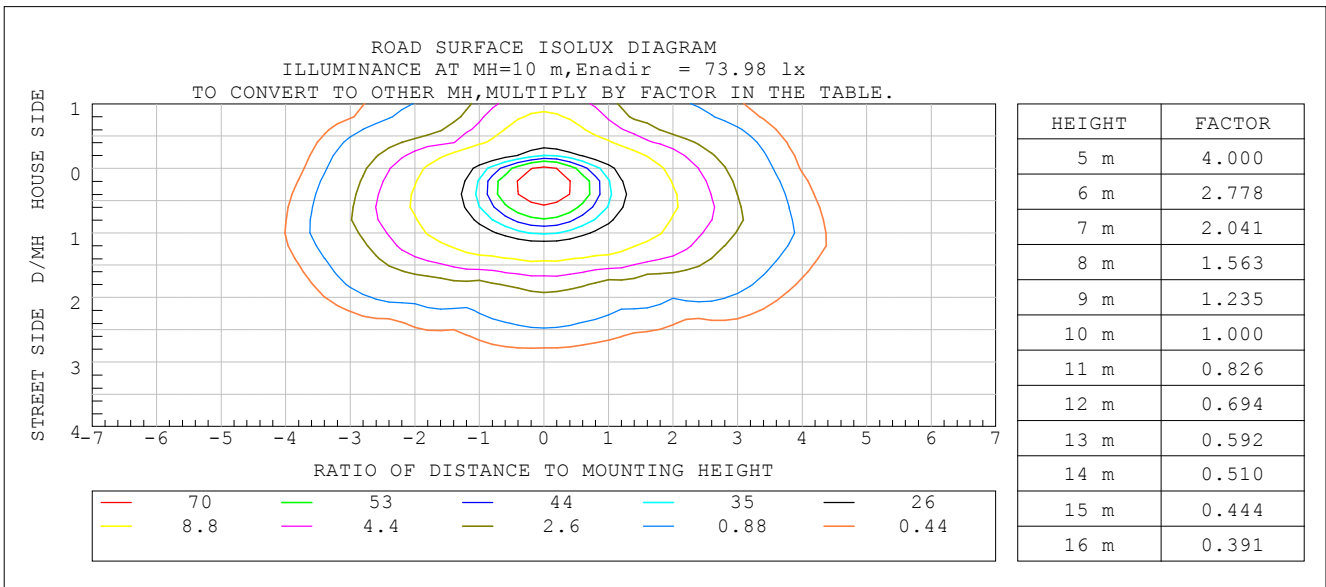
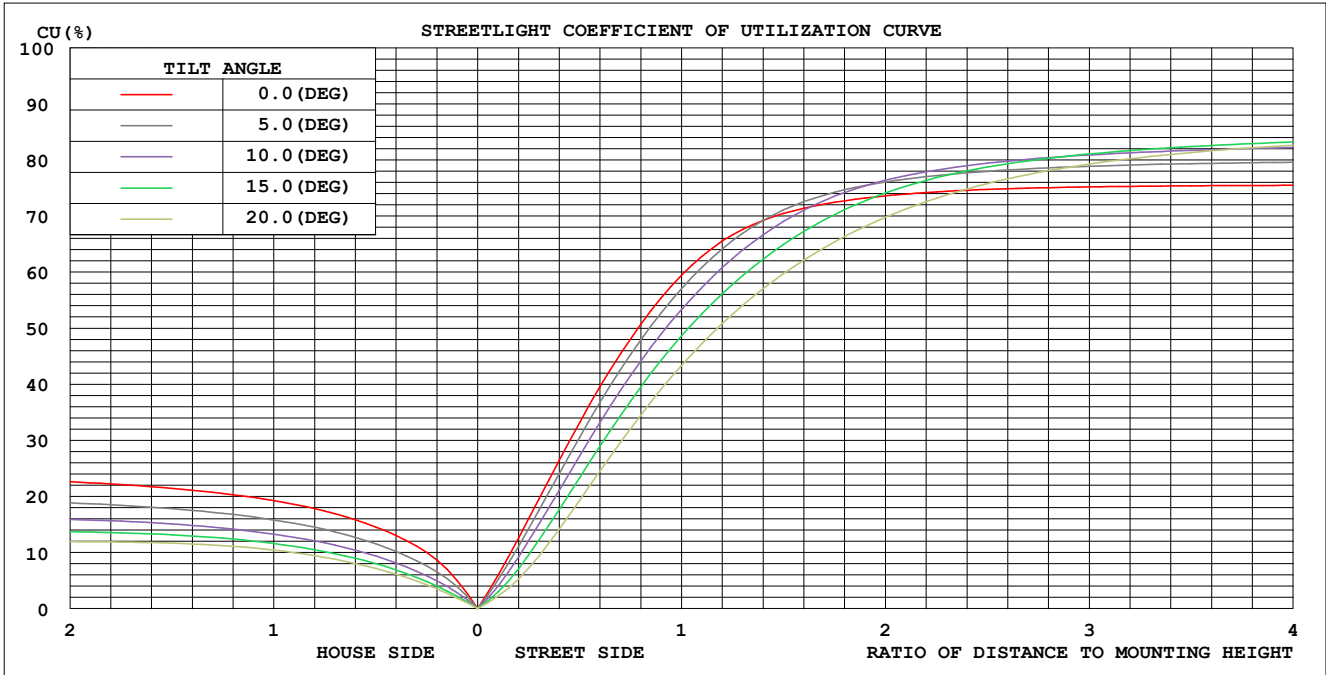
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WJH
Test Date: 2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 9.350m [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
10	729.7	862.5	914.5	872.9	734.2	526.2	414.8	503.8	0- 10	685.2	685.2	2.61,2.61
20	715.3	957.1	1026	975.0	717.4	286.2	242.6	263.0	10- 20	1878	2563	9.76,9.76
30	737.9	1058	1071	1075	735.2	229.9	237.7	226.2	20- 30	3029	5592	21.3,21.3
40	809.5	1146	1080	1145	797.7	206.1	205.9	204.0	30- 40	4234	9826	37.4,37.4
50	833.6	1189	796.8	1192	820.9	182.7	189.6	179.0	40- 50	5277	15102	57.5,57.5
60	822.5	819.0	289.9	801.1	814.0	137.1	182.5	137.4	50- 60	5129	20231	77.1,77.1
70	636.0	299.1	117.2	264.4	701.4	94.41	134.0	94.47	60- 70	4059	24290	92.5,92.5
80	26.04	21.97	6.076	29.87	48.52	42.47	27.70	40.12	70- 80	1837	26127	99.5,99.5
90	2.704	0.8882	0.7580	0.8715	2.826	3.909	1.279	3.434	80- 90	120.4	26248	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:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

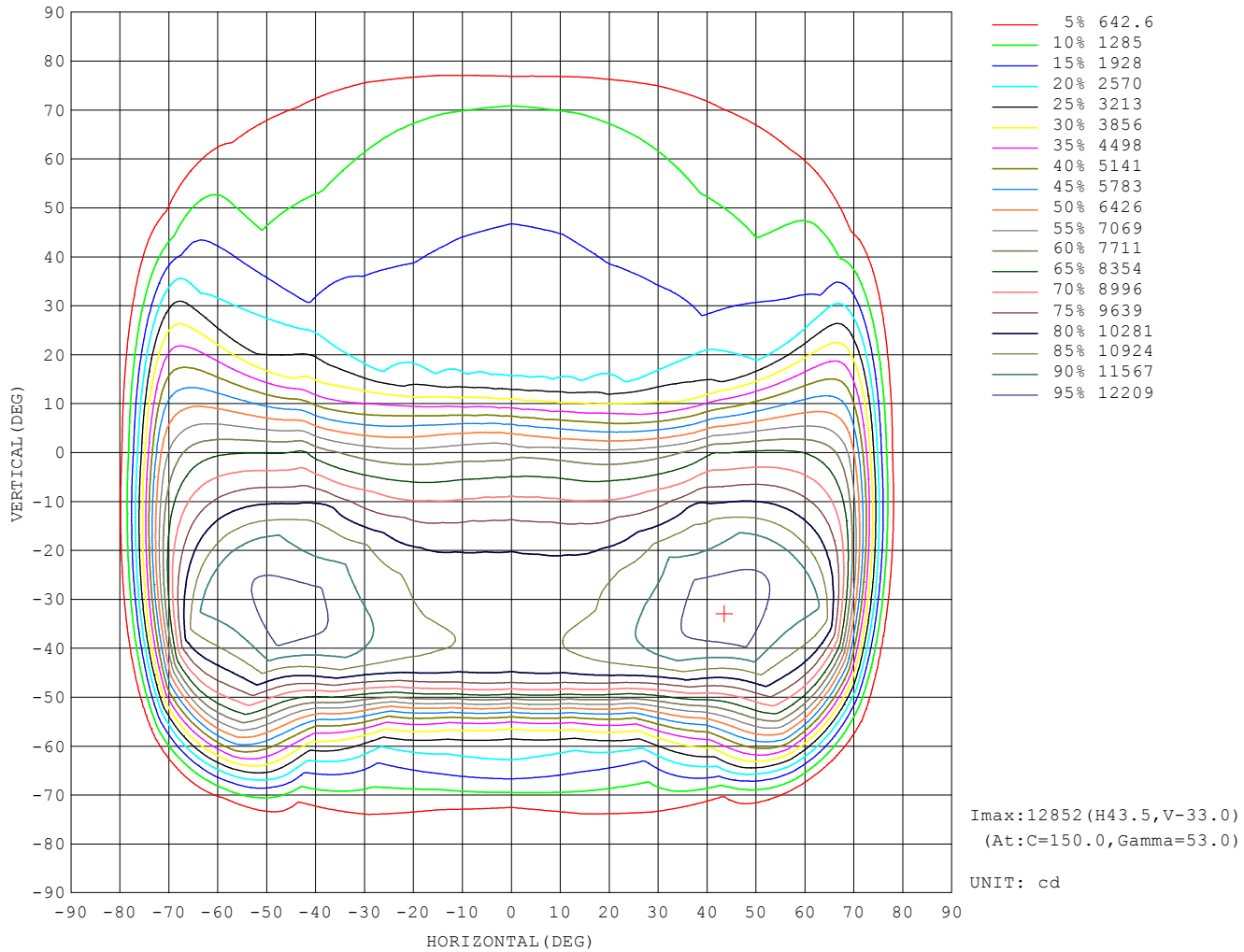
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



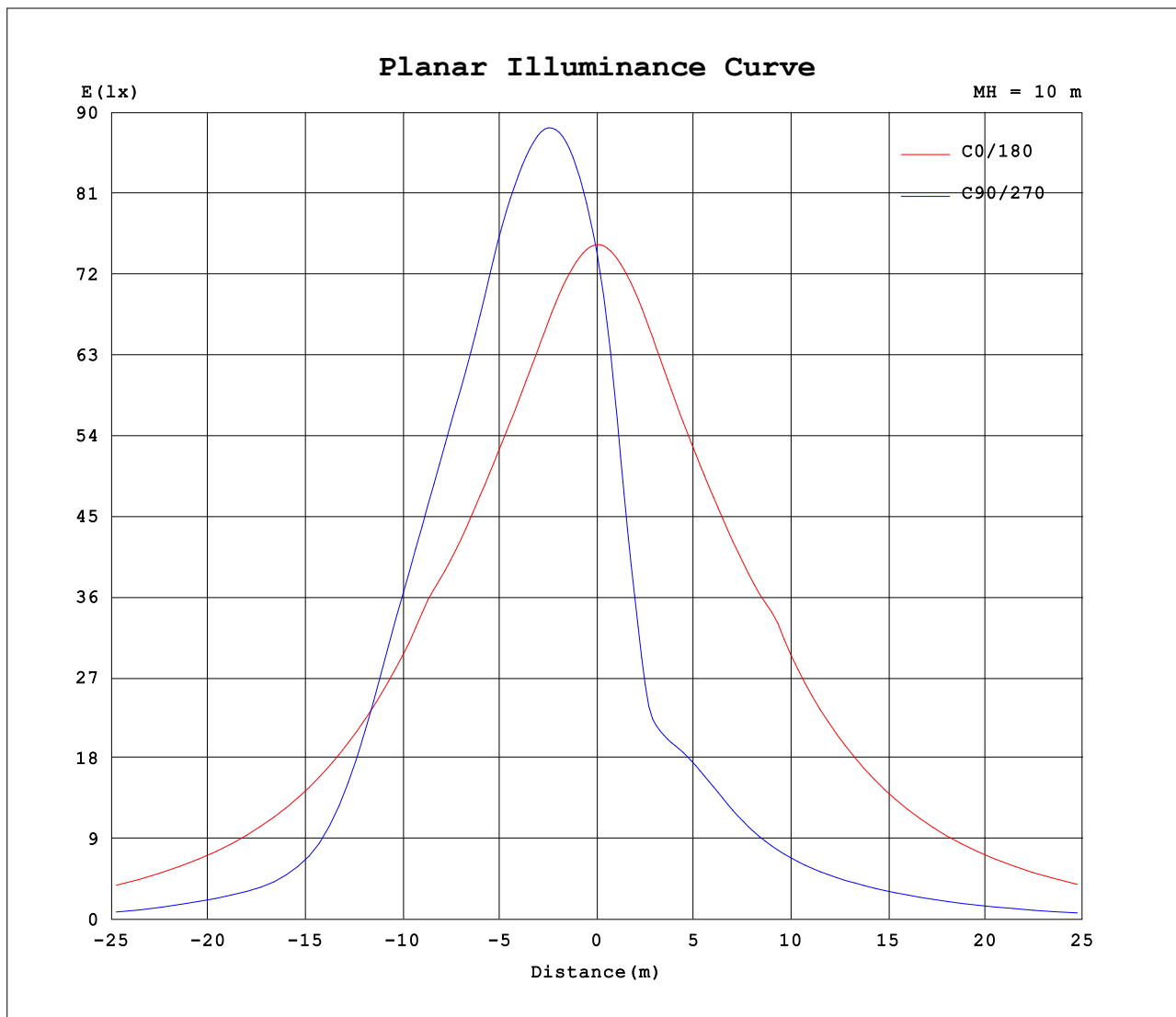
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WJH
 Test Date: 2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 9.350m [K=1.0000]
 Remarks:

Checker: LI

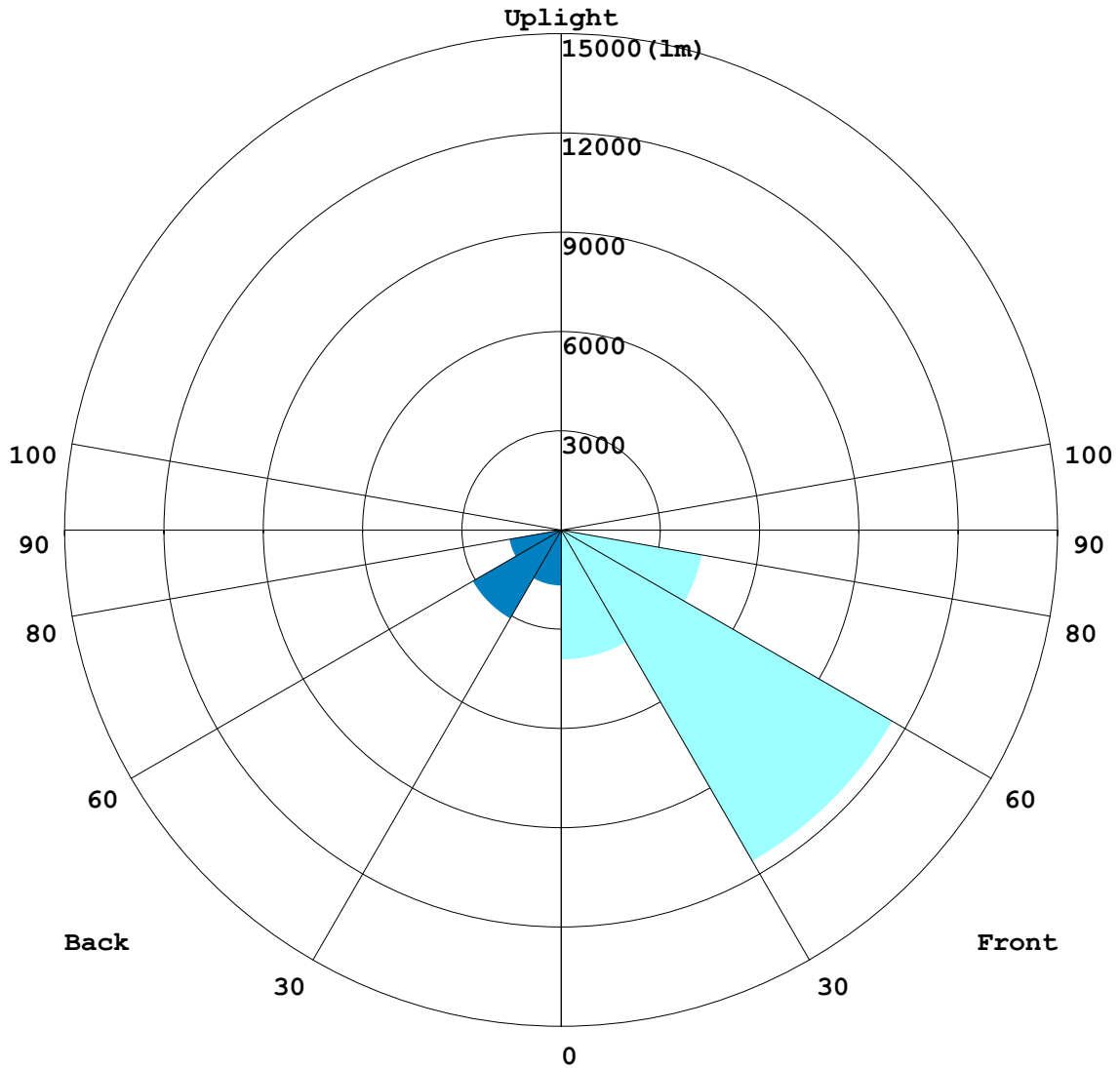
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.1V I:0.7984A P:179.0W PF:0.9745 Freq:49.99Hz Lamp Flux:26247.5x1 lm		
NAME: ST10-180T-4070-R01603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.1V I:0.7984A P:179.0W PF:0.9745 Freq:49.99Hz Lamp Flux:26247.5x1 lm		
NAME: ST10-180T-4070-R01603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3913.7	14.9
FM - Front-Medium(30-60)	11553	44.0
FH - Front-High(60-80)	4314	16.4
FVH - Front-Very High(80-90)	44.164	0.2
Total Forward Light	19825	75.5

BL - Back-Low(0-30)	1678.4	6.4
BM - Back-Medium(30-60)	3086.4	11.8
BH - Back-High(60-80)	1582	6.0
BVH - Back-Very High(80-90)	76.245	0.3
Total Back Light	6423	24.5

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6423	0	6423
Street Side	19825	0	19825

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

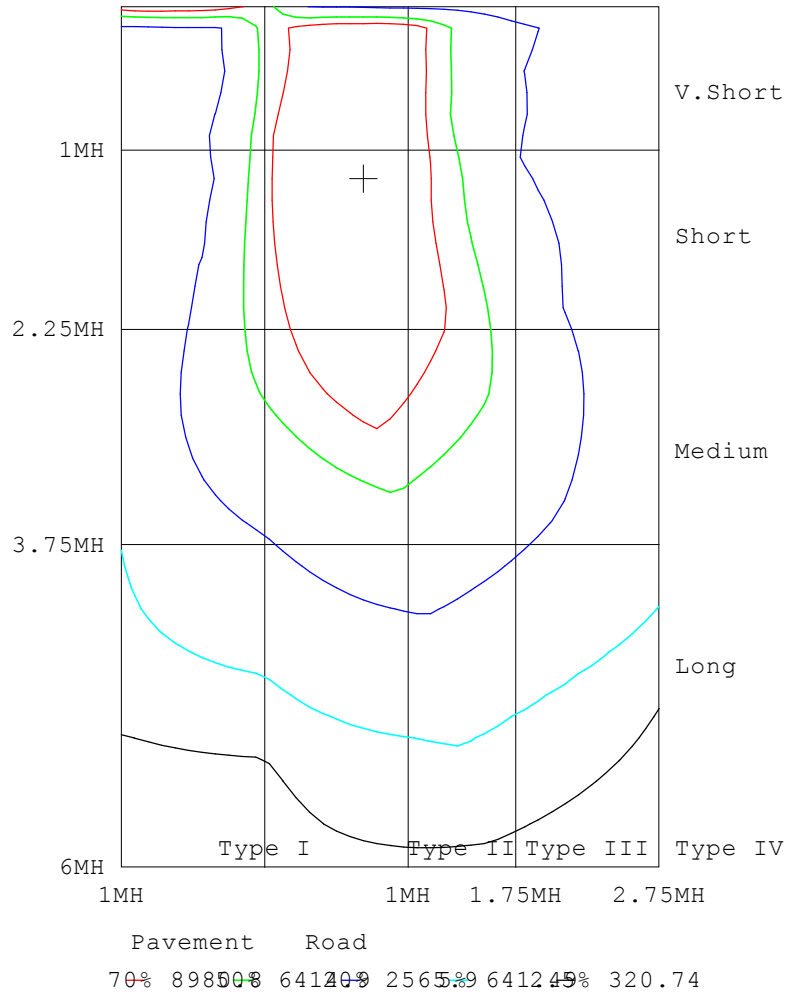
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.7984A P:179.0W PF:0.9745 Freq:49.99Hz Lamp Flux:26247.5x1 lm		
NAME: ST10-180T-4070-R01603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2021-03-19

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:9.350m [K=1.0000]
 Remarks:

Checker: LI

Assessor: