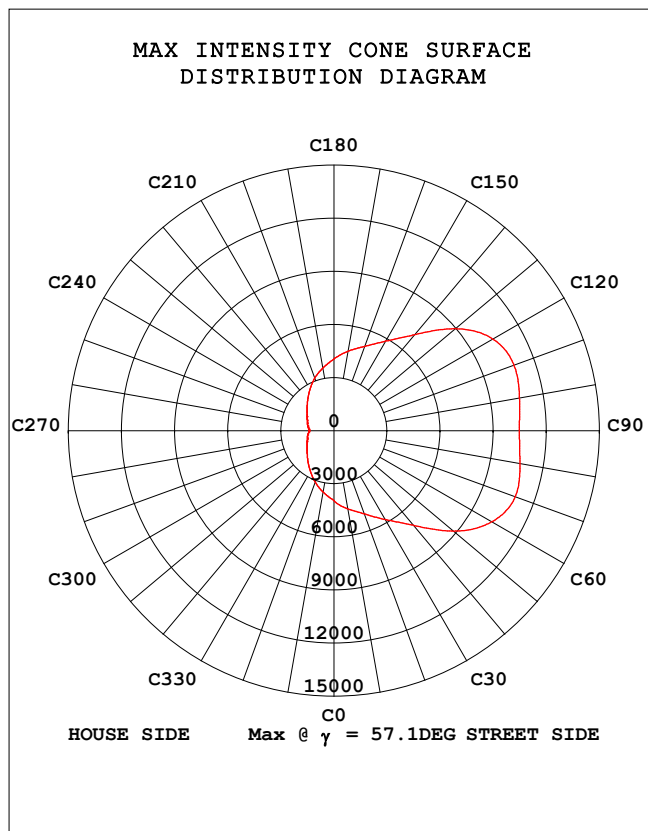
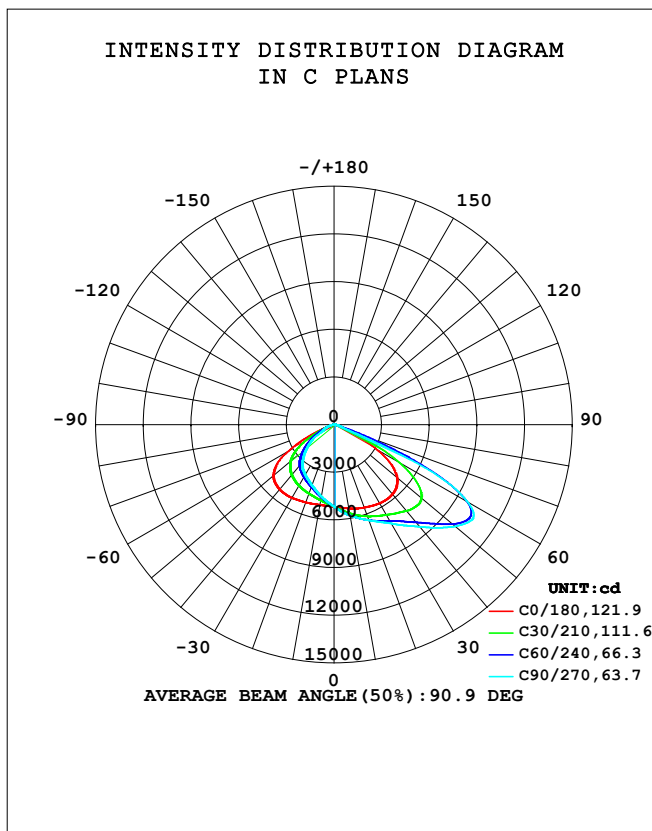


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.3V I:0.6553A P:149.2W PF:0.9890 Freq:49.99Hz UTHDi:0.2422% ITHDi:5.153% Lamp Flux:20087.2x1 lm					
NAME: FL23-150-5070-F19201		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.61 lm/W			
MODEL	RF303	I _{max} (cd)	10905	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	67.2
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20087	η house_up (%)	0.0
NOMINAL FLUX (lm)	20087.2	MAXIMUM @ (C, γ)	70,57.1	η house_down (%)	32.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



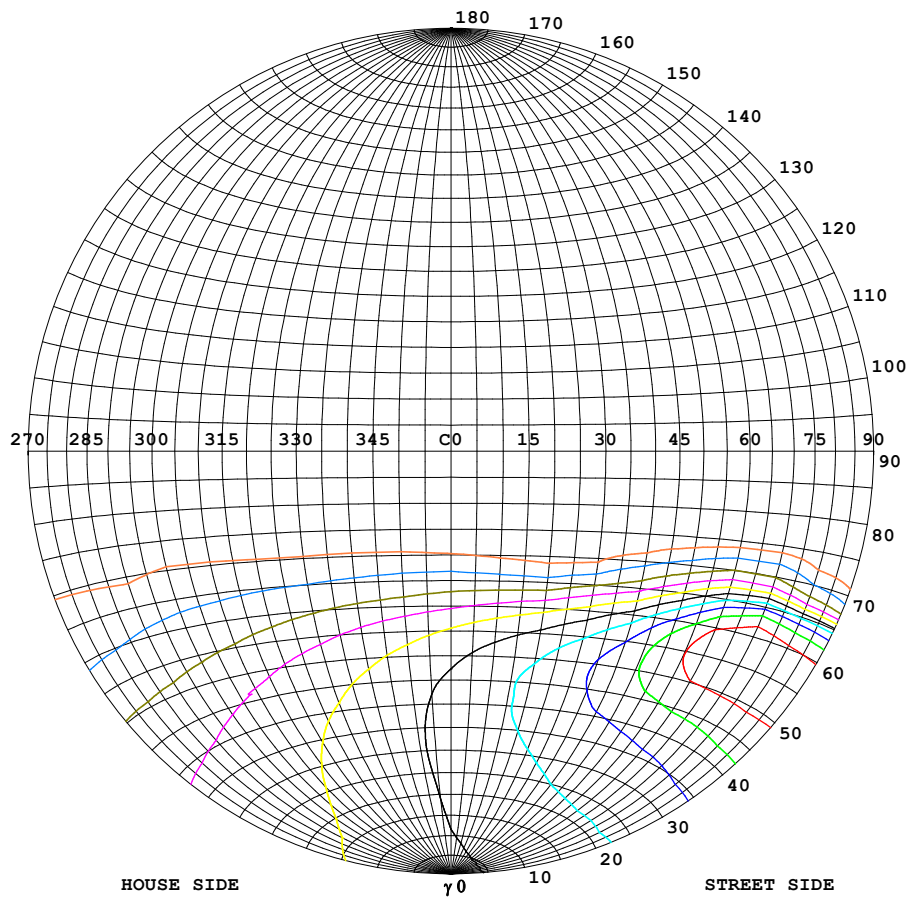
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LI
Test Date: 2020-04-02

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

Checker: LI

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:9.200cd/klm
Max.At90:0.0527cd/klm
Max.80-90:9.200cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10905
90%	9814
80%	8724
70%	7633
60%	6543
50%	5452
40%	4362
30%	3271
20%	2181
10%	1090
5%	545

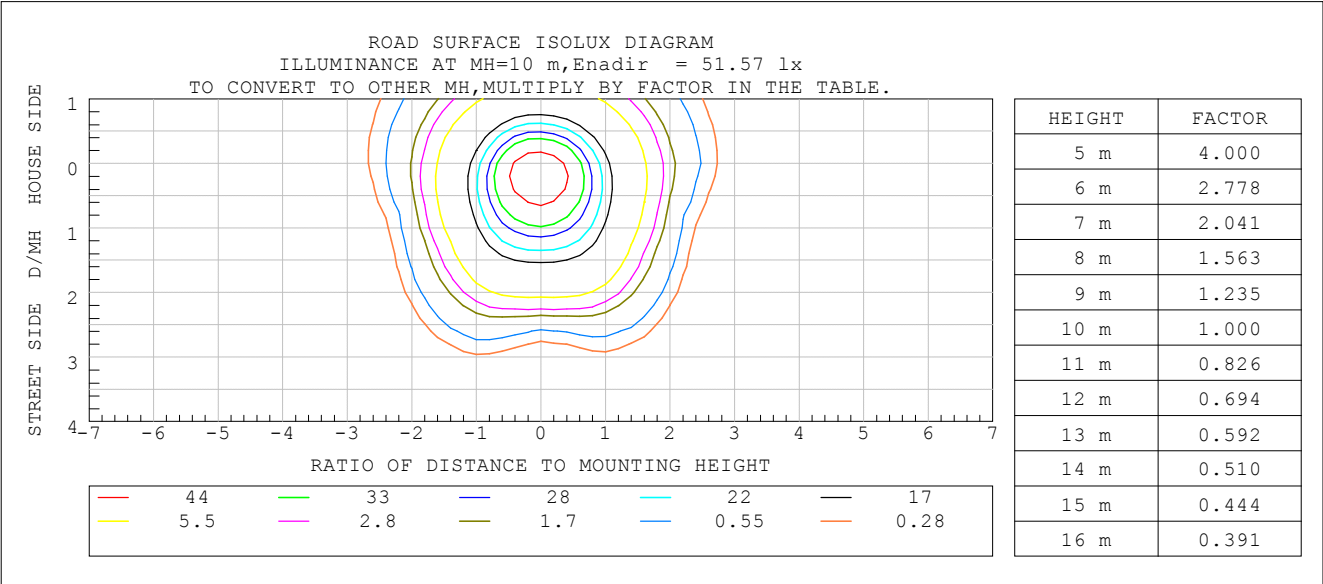
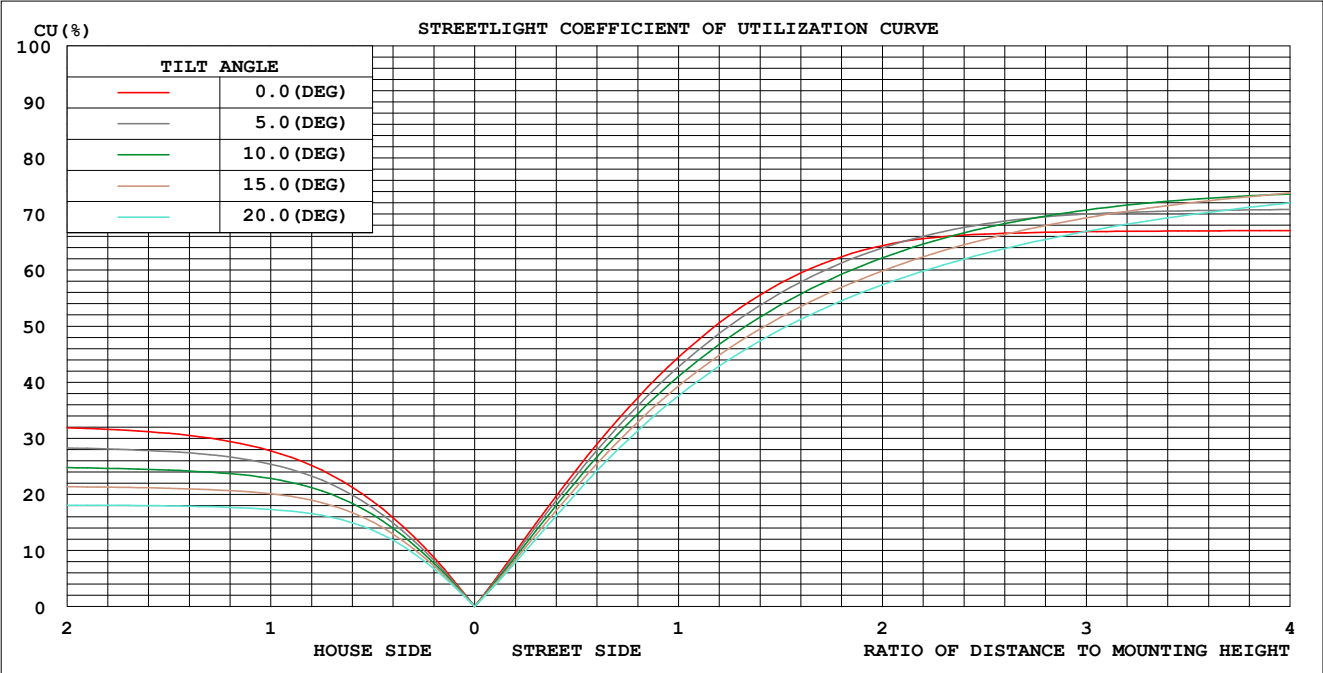
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2020-04-02

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:26.000m [K=0.4589]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LI
Test Date: 2020-04-02

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

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	536.1	576.6	581.5	559.7	513.9	474.7	462.2	489.4	0- 10	497.9	497.9	2.48,2.48
20	555.8	631.1	641.0	604.4	521.7	438.5	409.7	463.0	10- 20	1500	1997	9.94,9.94
30	572.0	683.7	718.4	659.2	533.3	410.0	366.9	439.1	20- 30	2503	4500	22.4,22.4
40	570.9	765.6	839.9	737.7	534.8	373.8	313.0	398.5	30- 40	3500	8001	39.8,39.8
50	516.1	860.9	997.0	836.6	500.0	304.8	221.3	314.1	40- 50	4423	12424	61.8,61.8
60	305.6	679.0	968.9	704.7	327.0	171.6	91.58	168.2	50- 60	4722	17146	85.4,85.4
70	56.76	112.7	69.43	121.7	65.39	57.17	52.33	57.56	60- 70	2517	19663	97.9,97.9
80	11.30	11.62	17.19	12.14	11.75	12.75	12.61	12.31	70- 80	381.8	20045	99.8,99.8
90	0.0604	0.0533	0.0496	0.0736	0.0953	0.0779	0.0579	0.0766	80- 90	42.07	20087	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: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LI
 Test Date:2020-04-02

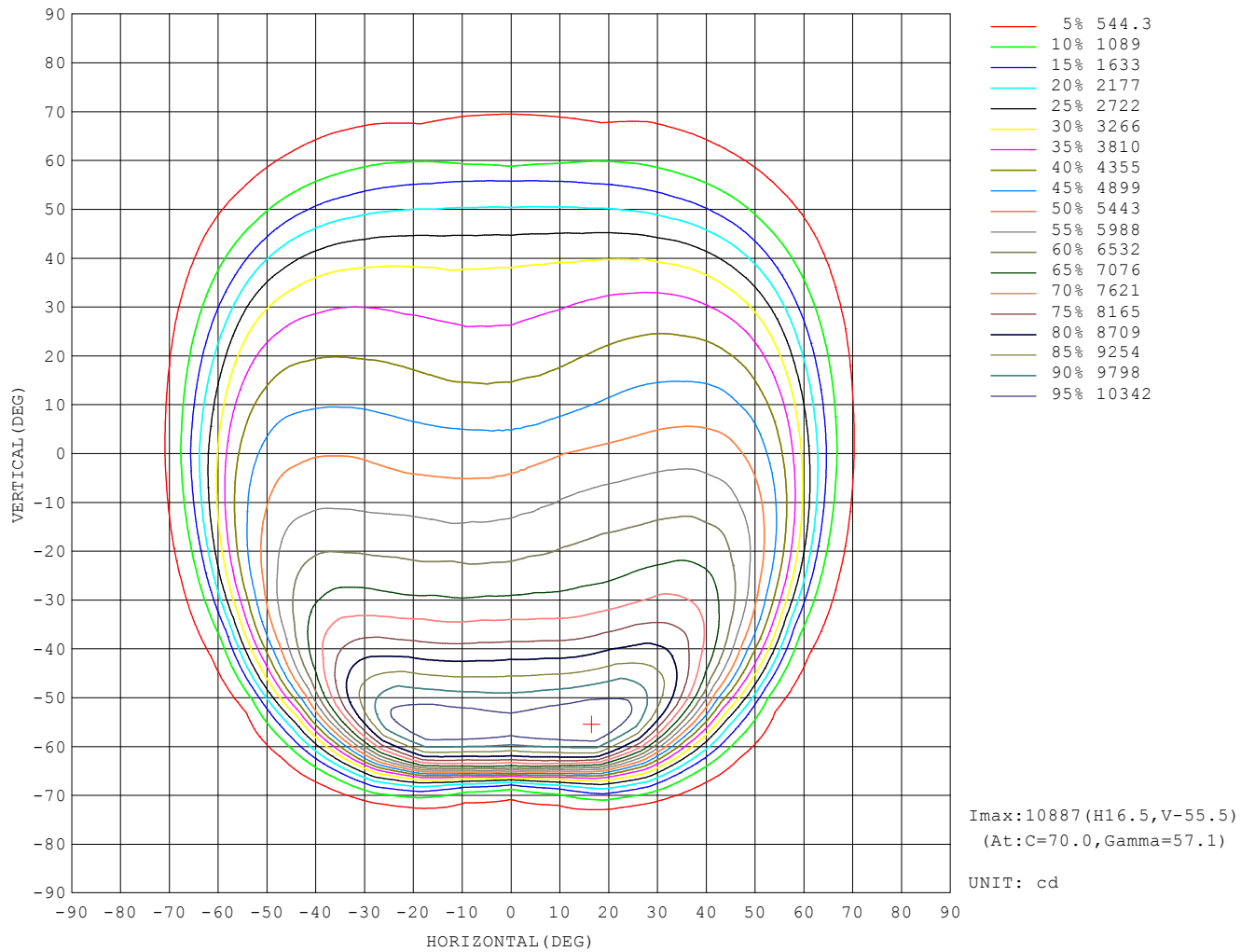
Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



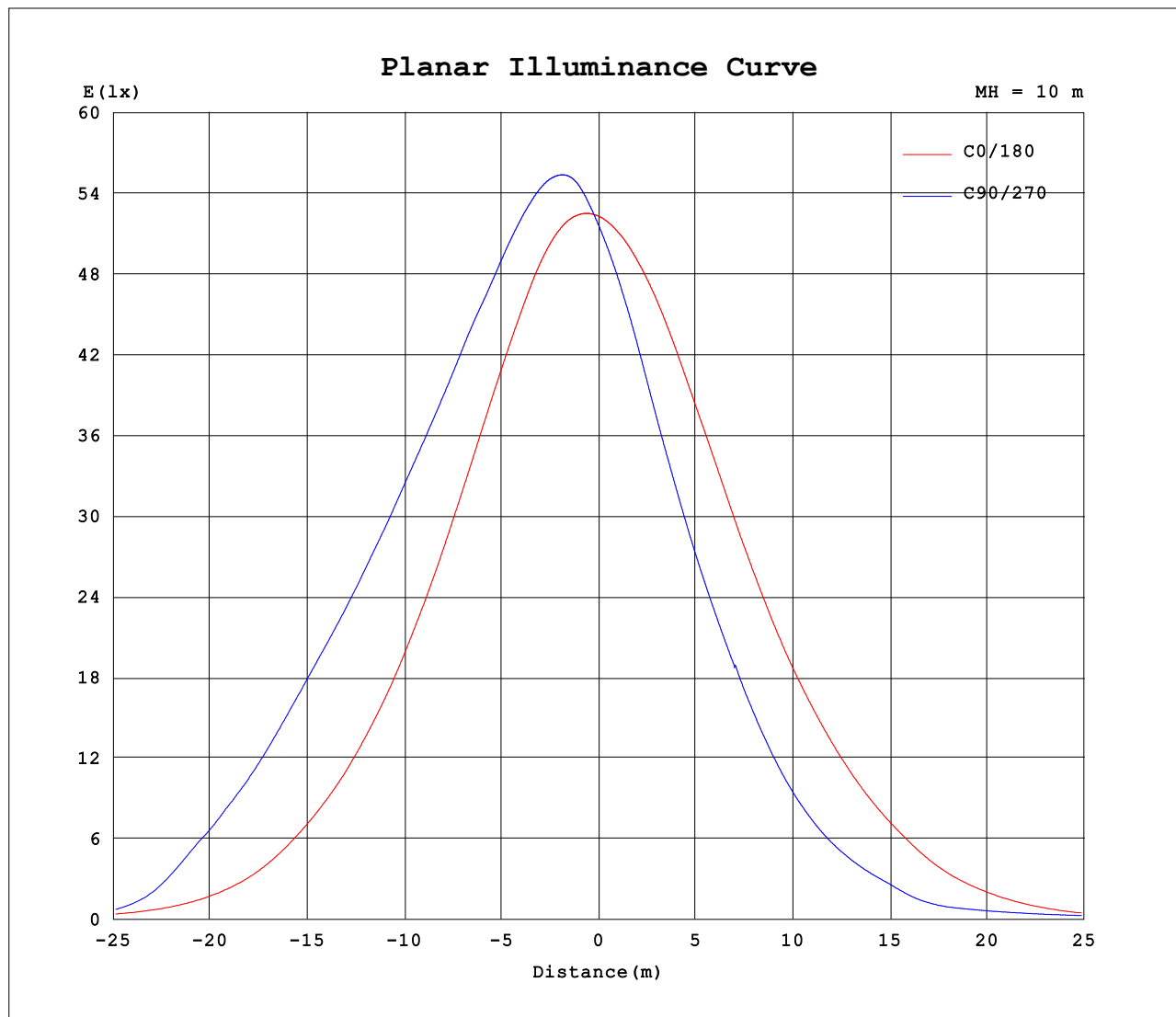
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2020-04-02

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:26.000m [K=0.4589]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LI
Test Date: 2020-04-02

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

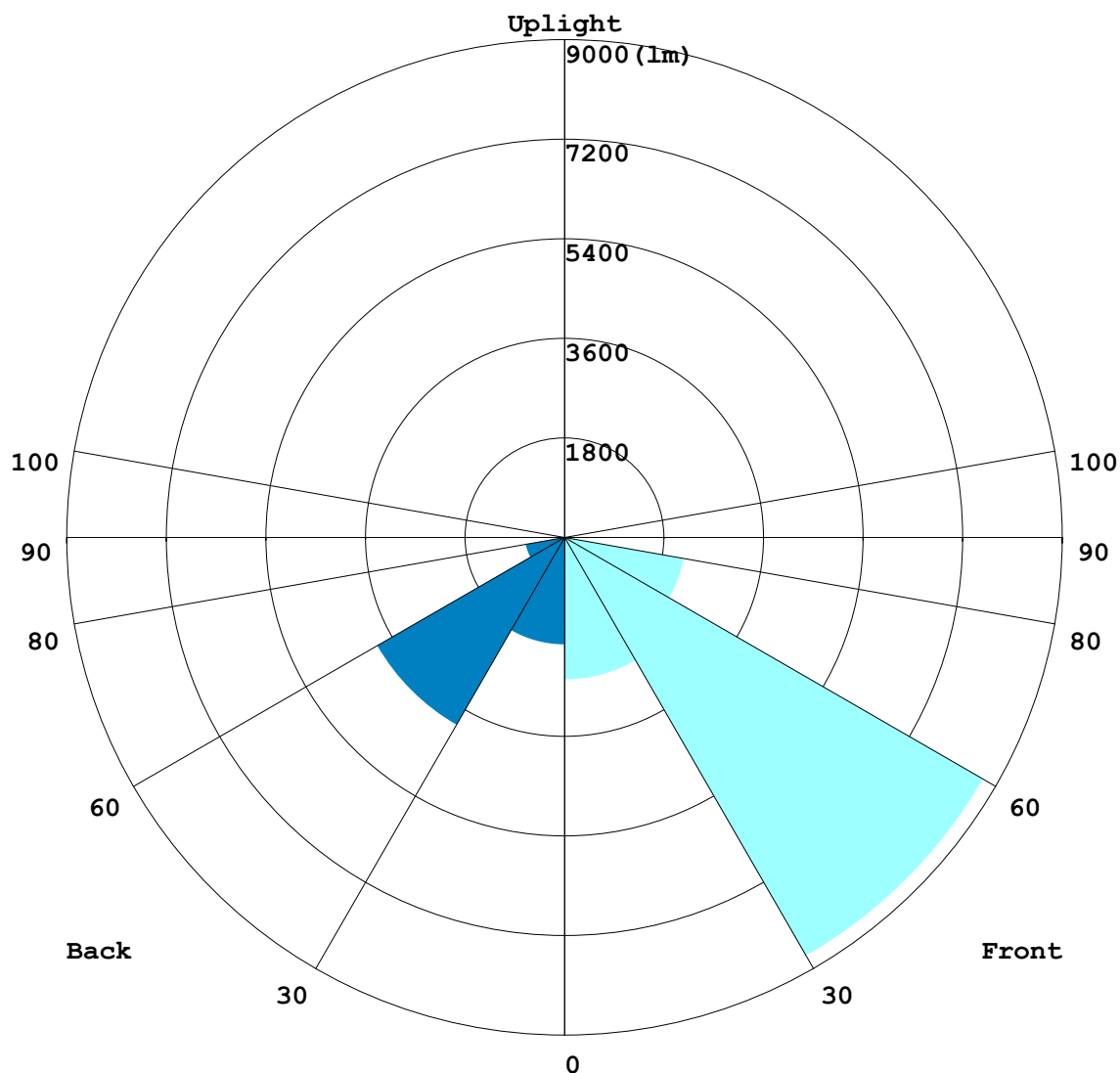
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.3V I:0.6553A P:149.2W PF:0.9890 Freq:49.99Hz UTHDi:0.2422% ITHDi:5.153% Lamp Flux:20087.2x1 lm		
NAME: FL23-150-5070-F19201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LI
 Test Date:2020-04-02

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.3V I:0.6553A P:149.2W PF:0.9890 Freq:49.99Hz UTHDi:0.2422% ITHDi:5.153% Lamp Flux:20087.2x1 lm		
NAME: FL23-150-5070-F19201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2567.1	12.8
FM - Front-Medium(30-60)	8733.1	43.5
FH - Front-High(60-80)	2183.6	10.9
FVH - Front-Very High(80-90)	23.231	0.1
Total Forward Light	13507	67.2

BL - Back-Low(0-30)	1933.3	9.6
BM - Back-Medium(30-60)	3912.4	19.5
BH - Back-High(60-80)	715.65	3.6
BVH - Back-Very High(80-90)	18.841	0.1
Total Back Light	6580.2	32.8

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	6580.2	0	6580.2
Street Side	13507	0	13507

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LI
 Test Date:2020-04-02

Checker: LI

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

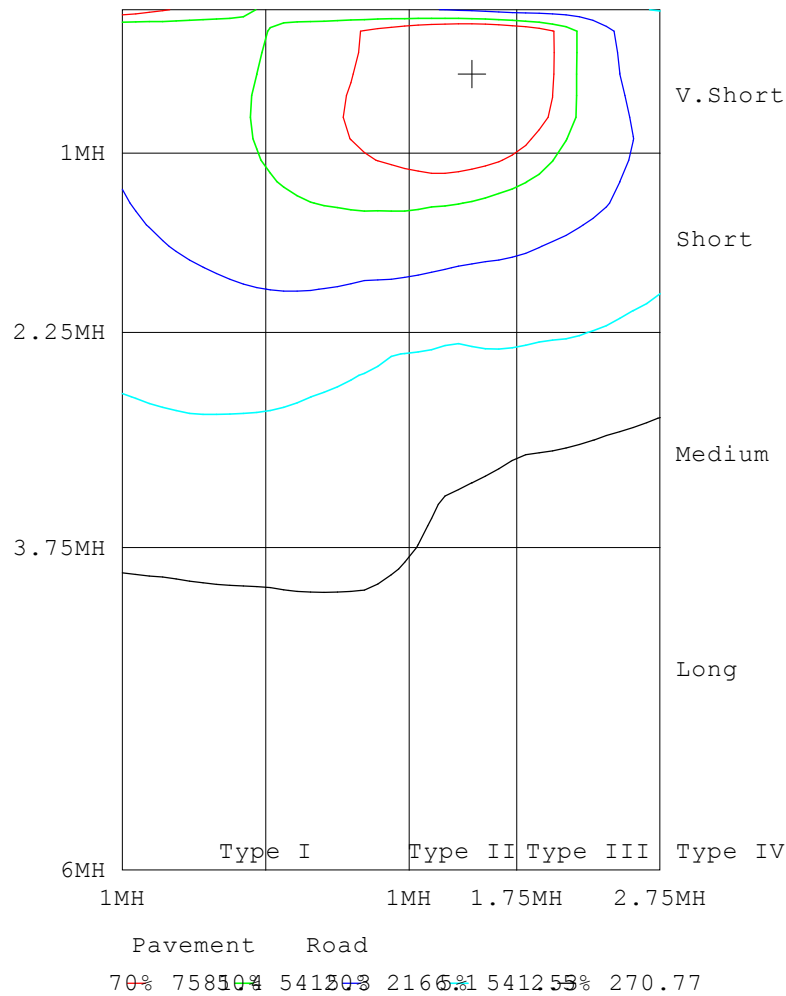
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.3V I:0.6553A P:149.2W PF:0.9890 Freq:49.99Hz UTHDi:0.2422% ITHDi:5.153% Lamp Flux:20087.2x1 lm		
NAME: FL23-150-5070-F19201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LI
 Test Date: 2020-04-02

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor: