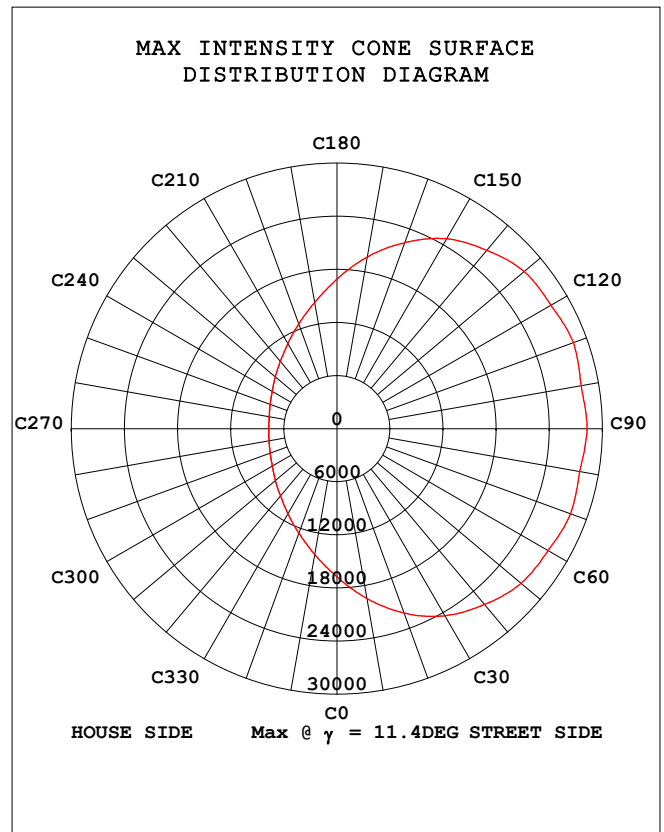
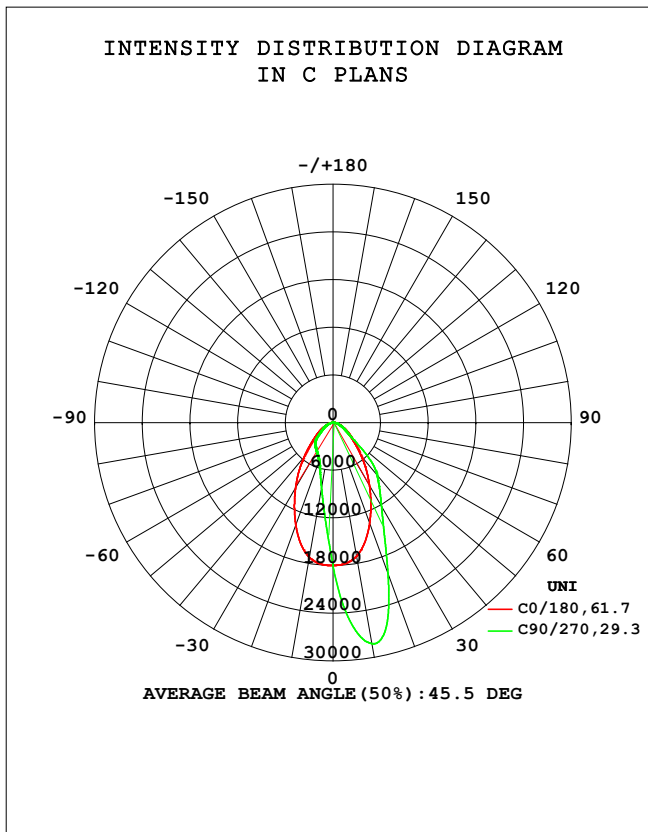


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.5V I:0.8816A P:201.0W PF:0.9936 Freq:50.01Hz UTHDi:0.6316% ITHDi:3.625% Lamp Flux:24632.8x1 lm					
NAME: FL23-200-5070-F22403		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

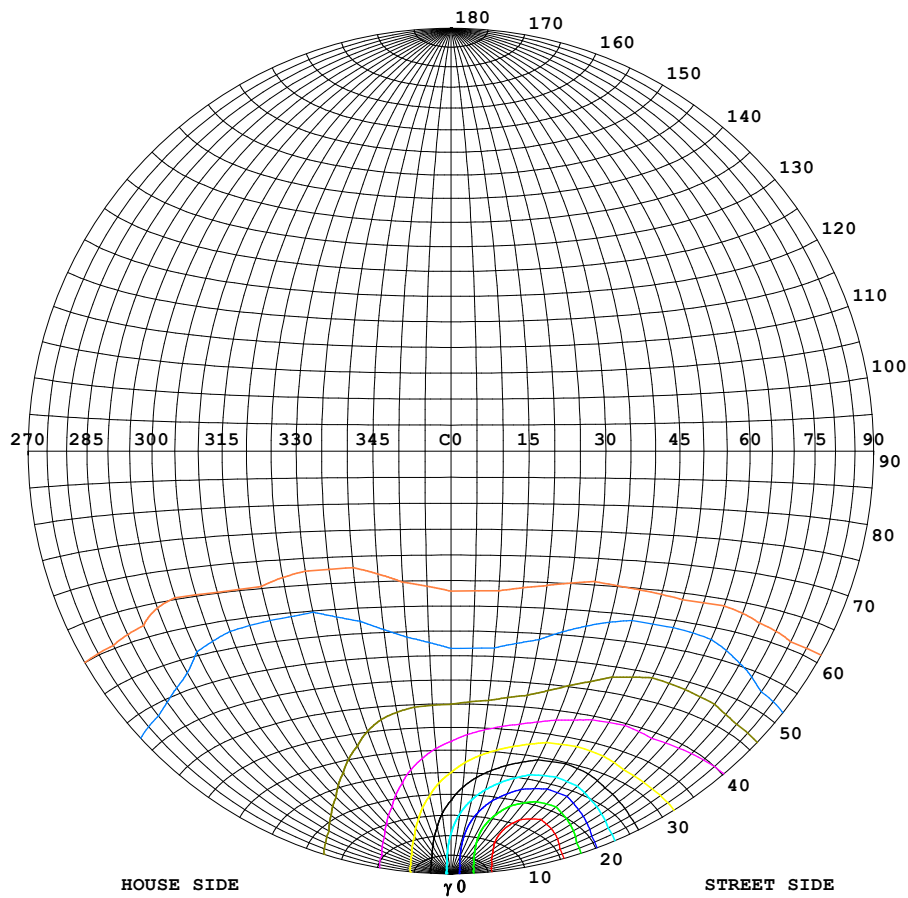
DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.54 lm/W			
MODEL	RF303	Imax (cd)	28429	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	64.4
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	24633	η house_up (%)	0.0
NOMINAL FLUX (lm)	24632.8	MAXIMUM @ (C, γ)	110, 11.4	η house_down (%)	35.6
LAMPS 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: 2020-06-08

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:

STREETLIGHT ISOCANDELA DIAGRAM



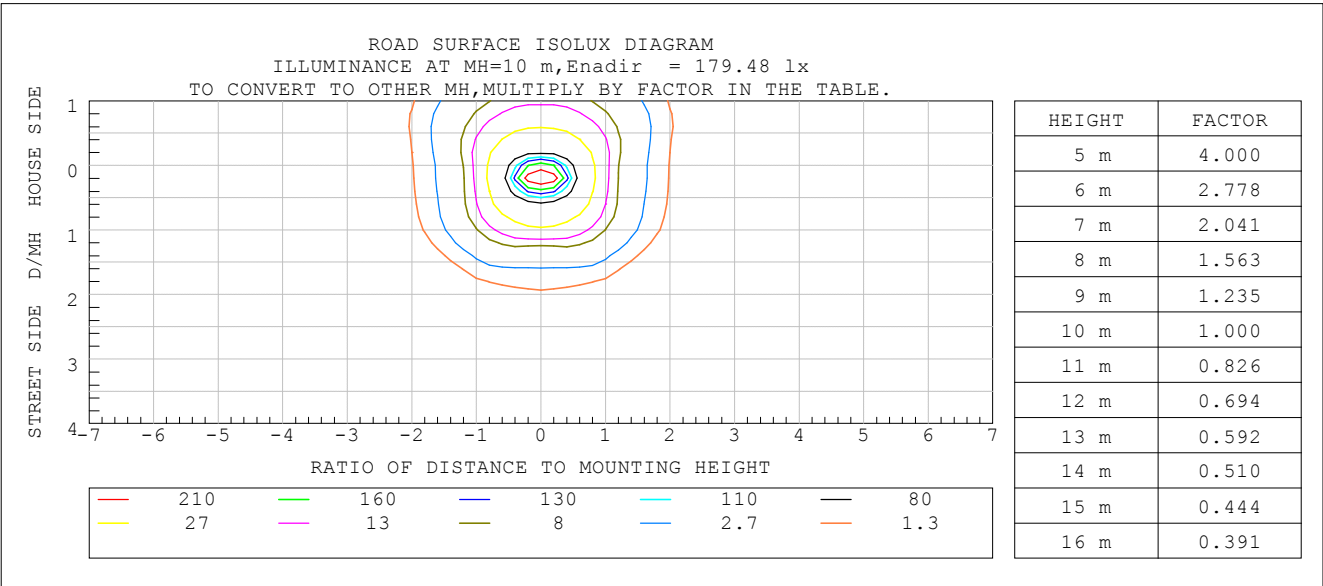
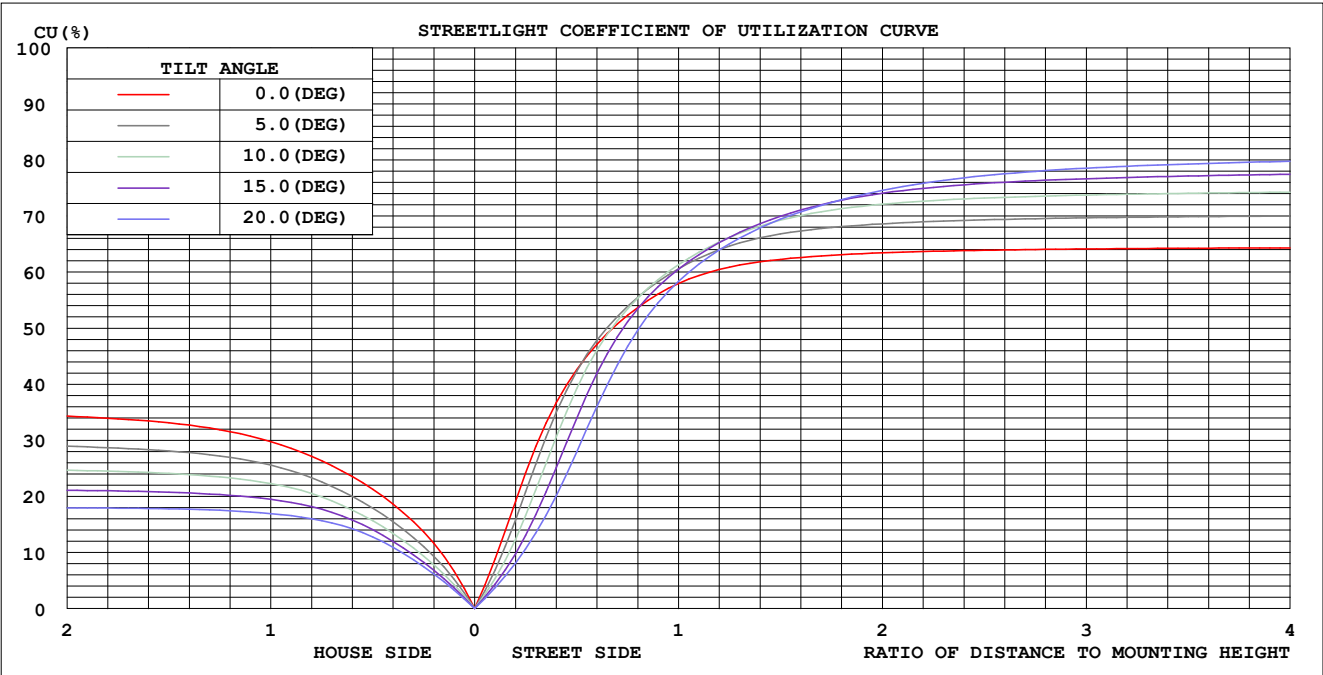
Classification:
IES:Type I - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:15.58cd/klm
Max.At90:0.0349cd/klm
Max.80-90:15.58cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	28429
90%	25586
80%	22743
70%	19900
60%	17057
50%	14214
40%	11371
30%	8529
20%	5686
10%	2843
5%	1421

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2020-06-08

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:

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:2020-06-08

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:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

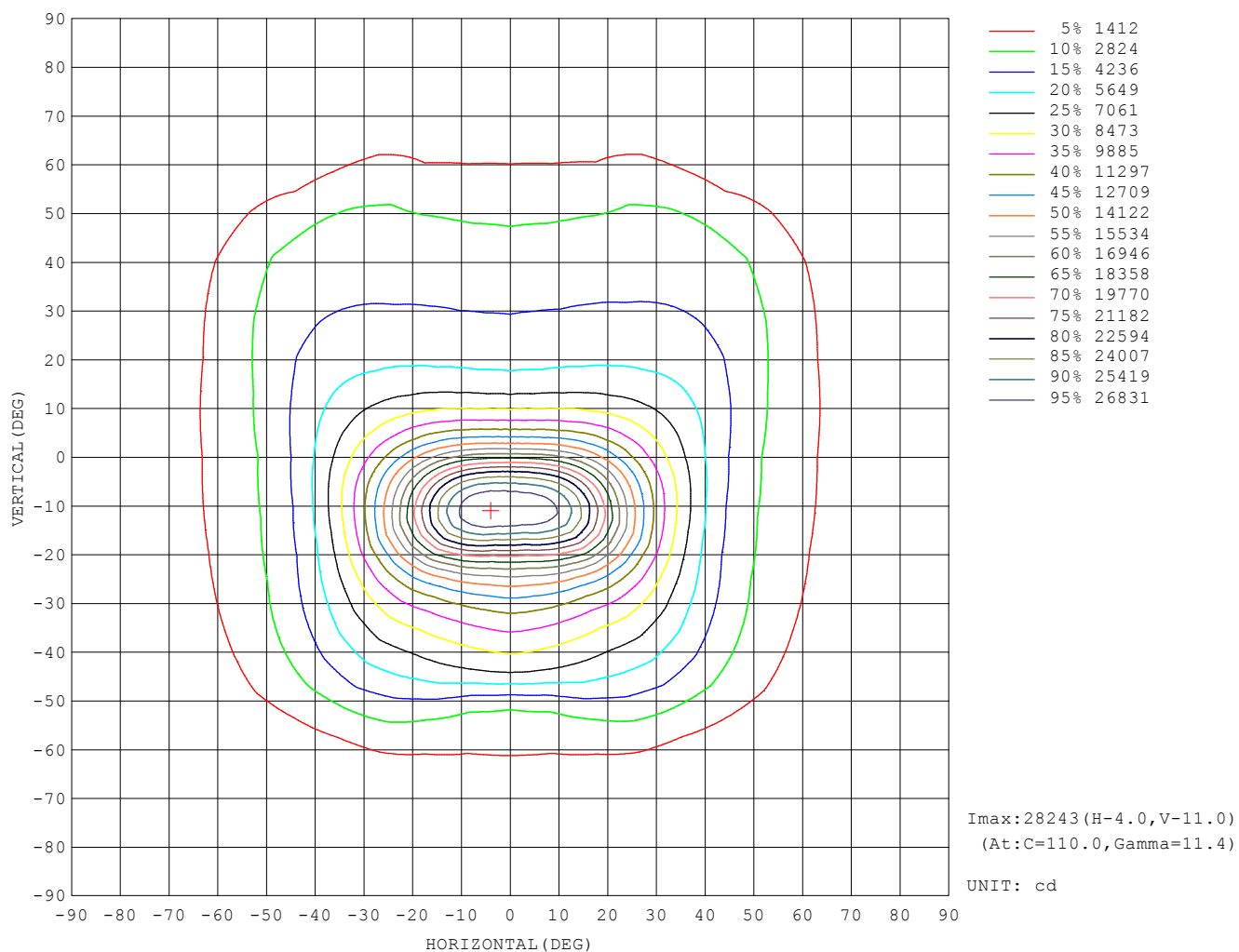
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1707	2617	2824	2658	1723	1022	839.6	1021	0- 10	1735	1735	7.04, 7.04
20	1350	2355	2027	2382	1373	669.4	522.6	669.7	10- 20	4615	6350	25.8, 25.8
30	923.4	1369	1226	1388	944.2	510.2	420.5	513.7	20- 30	5234	11583	47, 47
40	563.7	830.5	864.2	848.6	571.9	429.2	356.8	433.0	30- 40	4650	16234	65.9, 65.9
50	310.3	528.8	356.4	543.8	311.4	363.3	238.1	364.5	40- 50	3824	20058	81.4, 81.4
60	171.3	243.9	154.2	249.0	173.7	251.6	142.8	252.6	50- 60	2612	22670	92, 92
70	81.52	72.55	76.67	73.42	83.65	87.25	81.46	88.16	60- 70	1370	24040	97.6, 97.6
80	35.84	18.26	24.59	18.49	38.39	22.09	25.55	22.31	70- 80	518.9	24559	99.7, 99.7
90	0.0779	0.0668	0.0654	0.0704	0.0838	0.0709	0.0796	0.0662	80- 90	73.95	24633	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: $\times 10\text{cd}$									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LI
 Test Date: 2020-06-08

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:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

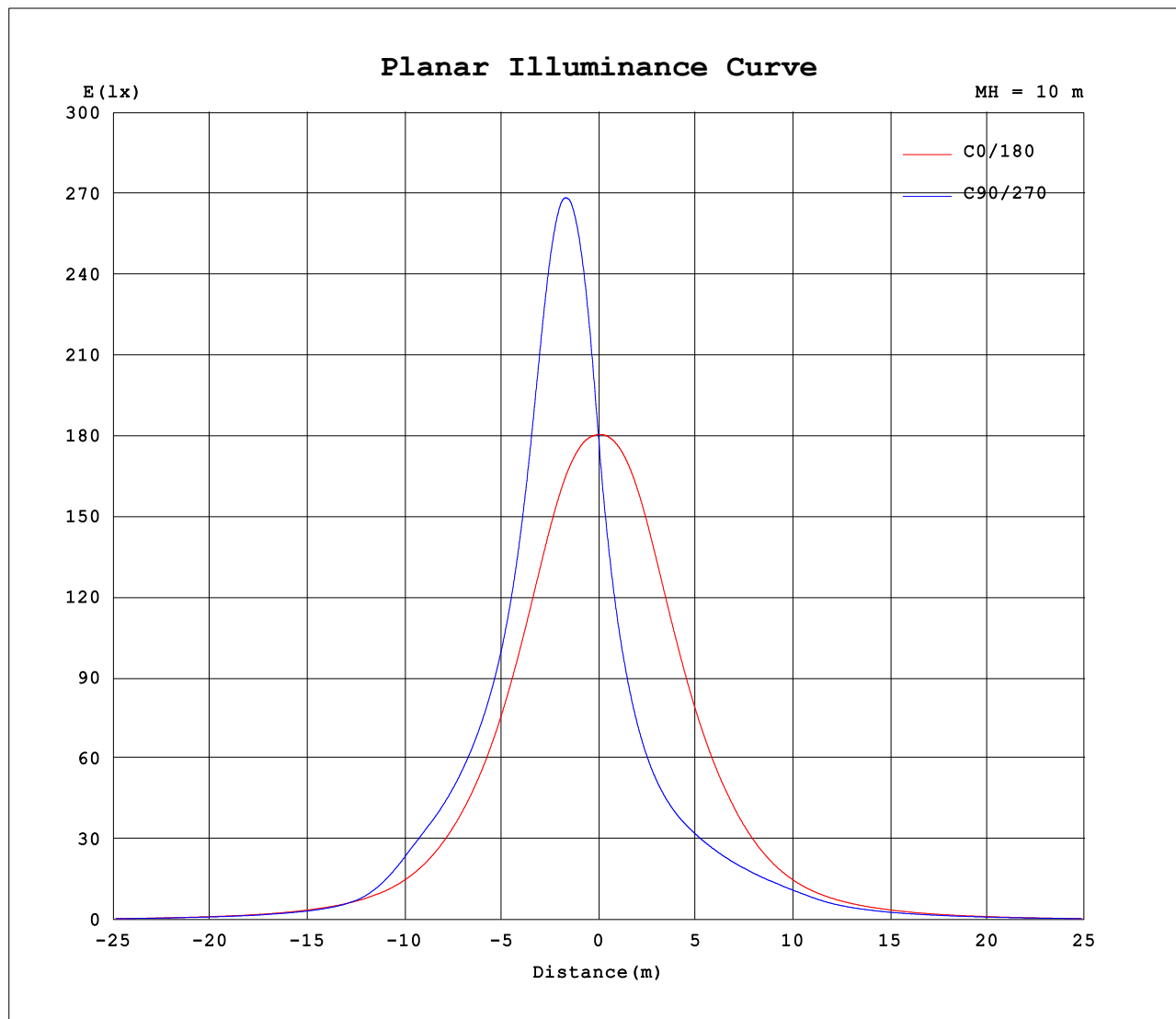
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LI
Test Date: 2020-06-08

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LI
Test Date: 2020-06-08

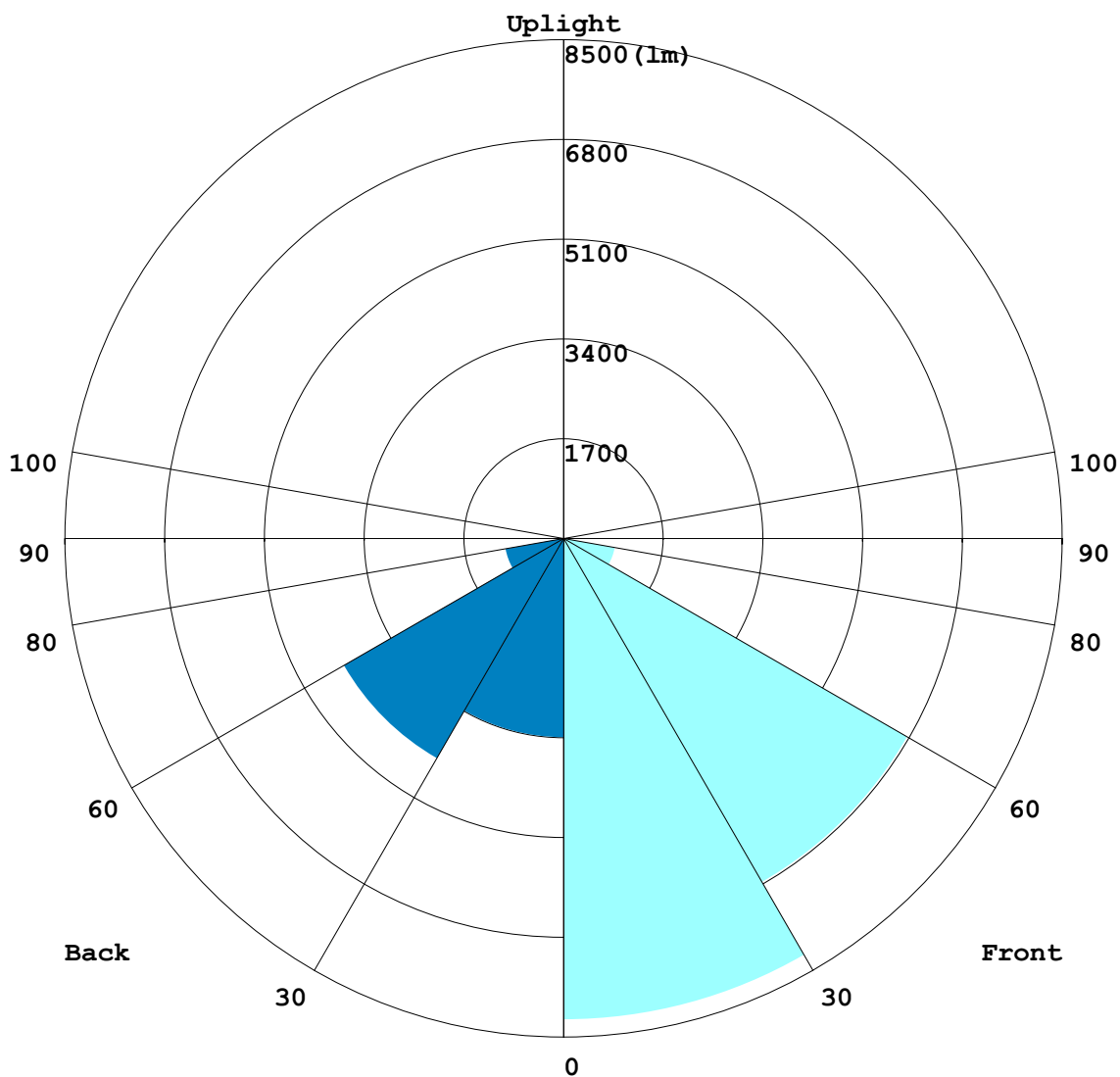
γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:229.5V I:0.8816A P:201.0W PF:0.9936 Freq:50.01Hz UTHDi:0.6316% ITHDi:3.625% Lamp Flux:24632.8x1 lm		
NAME: FL23-200-5070-F22403	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:2020-06-08

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:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:229.5V I:0.8816A P:201.0W PF:0.9936 Freq:50.01Hz UTHDi:0.6316% ITHDi:3.625% Lamp Flux:24632.8x1 lm		
NAME: FL23-200-5070-F22403	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8194.2	33.3
FM - Front-Medium(30-60)	6763.7	27.5
FH - Front-High(60-80)	885.94	3.6
FVH - Front-Very High(80-90)	31.834	0.1
Total Forward Light	15876	64.4

BL - Back-Low(0-30)	3389.1	13.8
BM - Back-Medium(30-60)	4323.2	17.6
BH - Back-High(60-80)	1002.7	4.1
BVH - Back-Very High(80-90)	42.121	0.2
Total Back Light	8757.1	35.6

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	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8757.1	0	8757.1
Street Side	15876	0	15876

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LI
 Test Date:2020-06-08

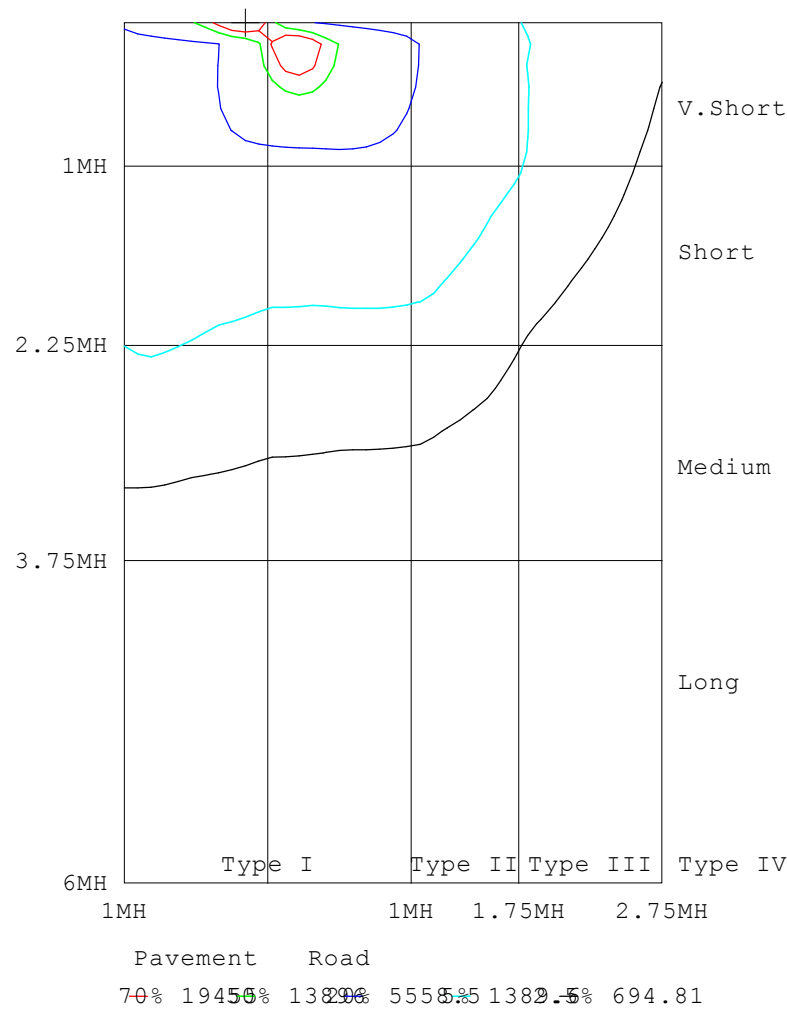
γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.5V I:0.8816A P:201.0W PF:0.9936 Freq:50.01Hz UTHDi:0.6316% ITHDi:3.625% Lamp Flux:24632.8x1 lm		
NAME: FL23-200-5070-F22403	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:2020-06-08

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: