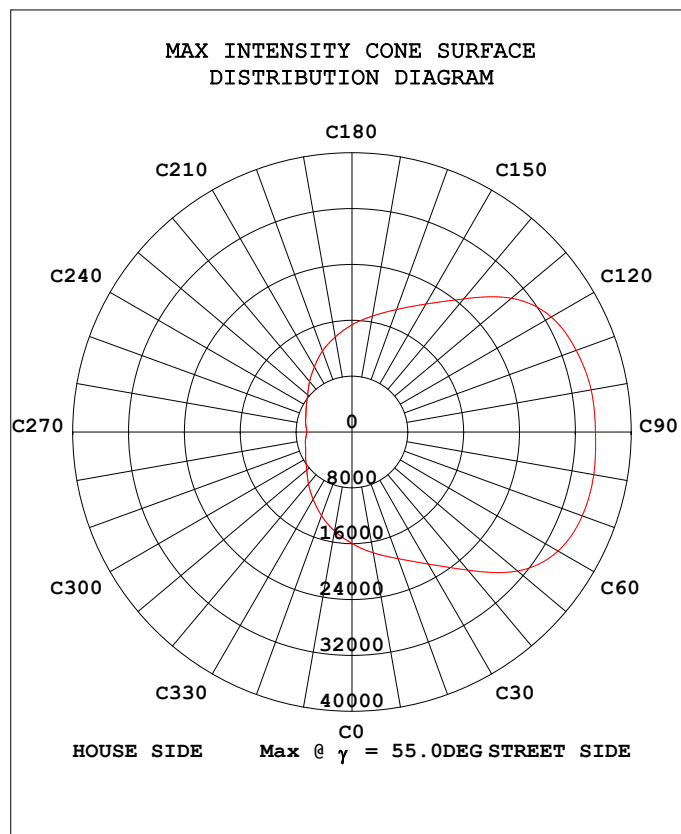
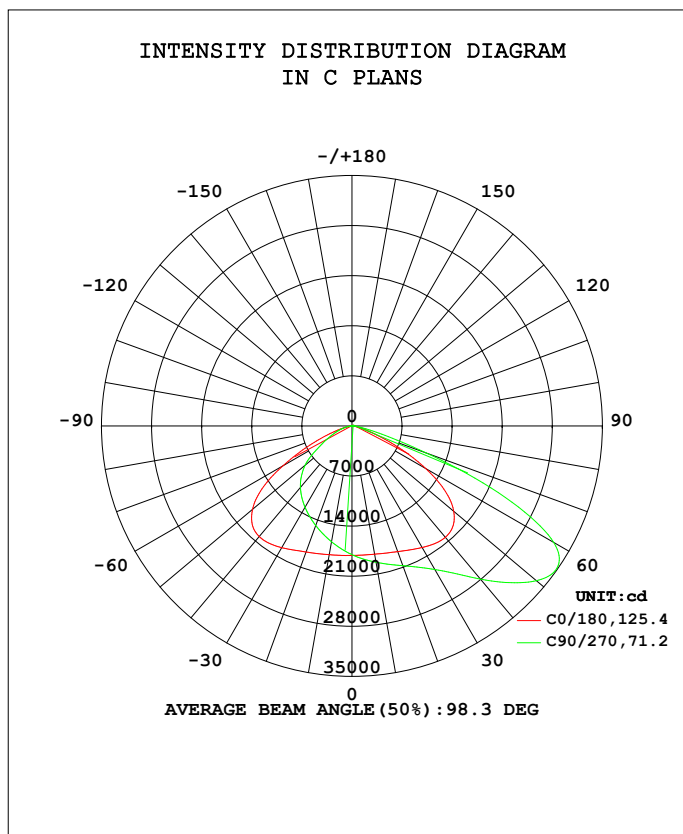


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.2V I:2.2009A P:494.88W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:72971x1 lm		
NAME: FL23-500-5070-F12201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

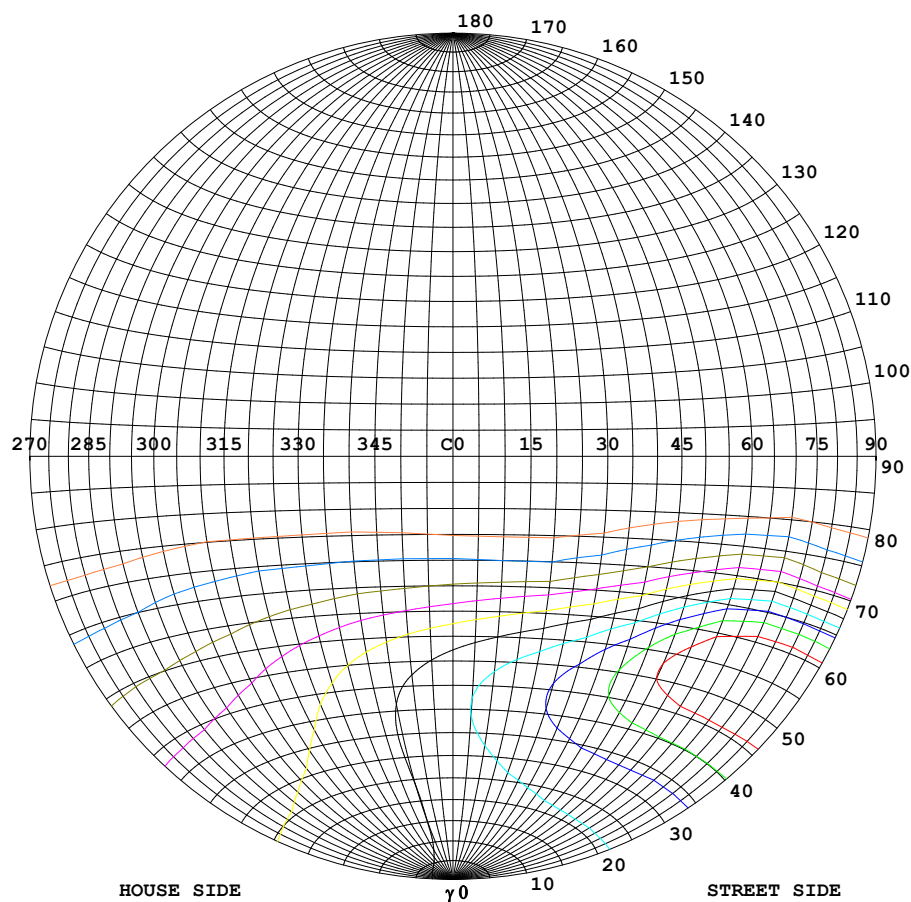
DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.45 lm/W			
MODEL	/	I _{max} (cd)	35162	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	66.7
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	72971	η house_up (%)	0.0
NOMINAL FLUX (lm)	72971	MAXIMUM @ (C, γ)	80,55.0	η house_down (%)	33.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 October 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



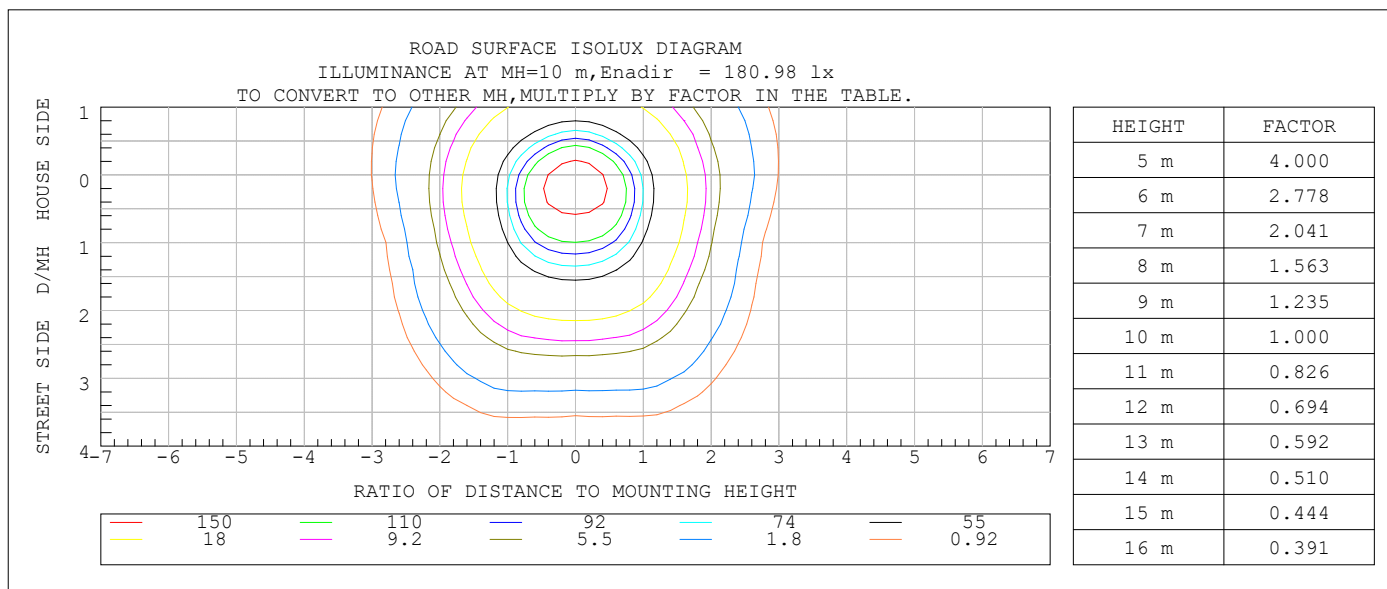
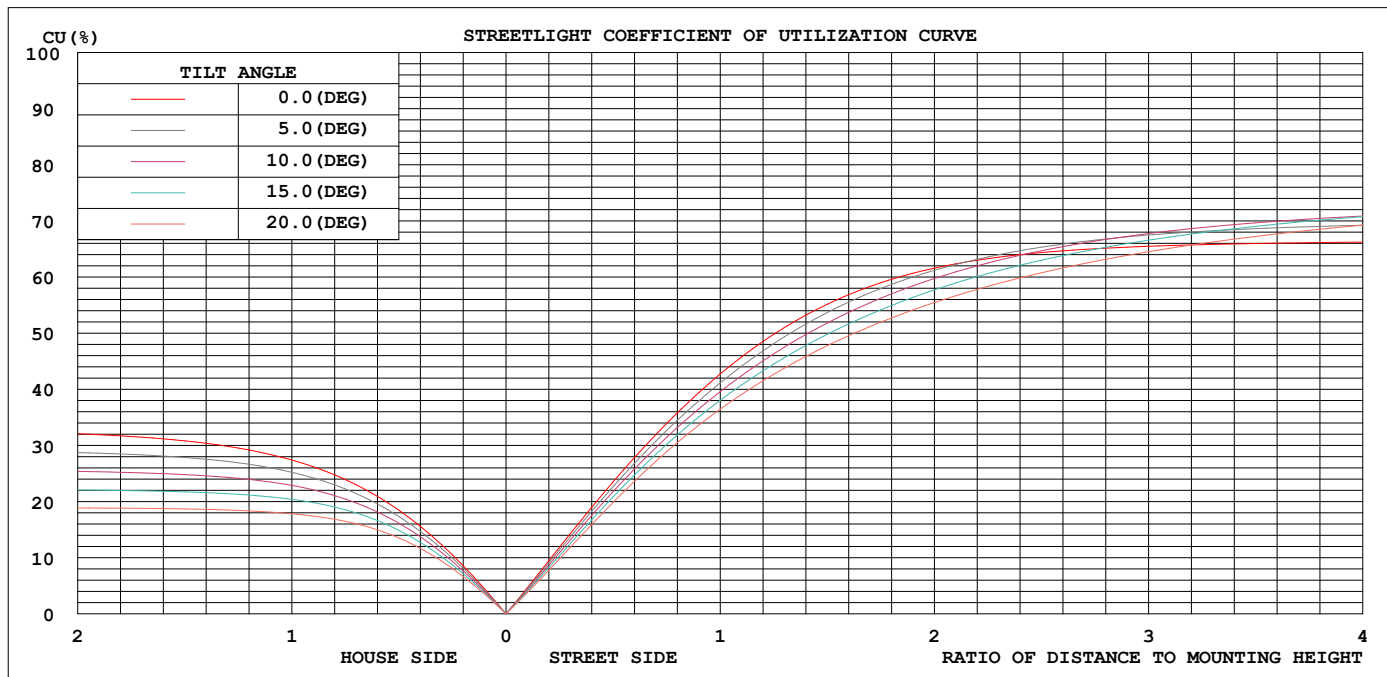
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:26.46cd/klm
Max.At90:0.1716cd/klm
Max.80-90:26.46cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		35162
— 90%		31645
— 80%		28129
— 70%		24613
— 60%		21097
— 50%		17581
— 40%		14065
— 30%		10548
— 20%		7032
— 10%		3516
— 5%		1758

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 October 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 14 October 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

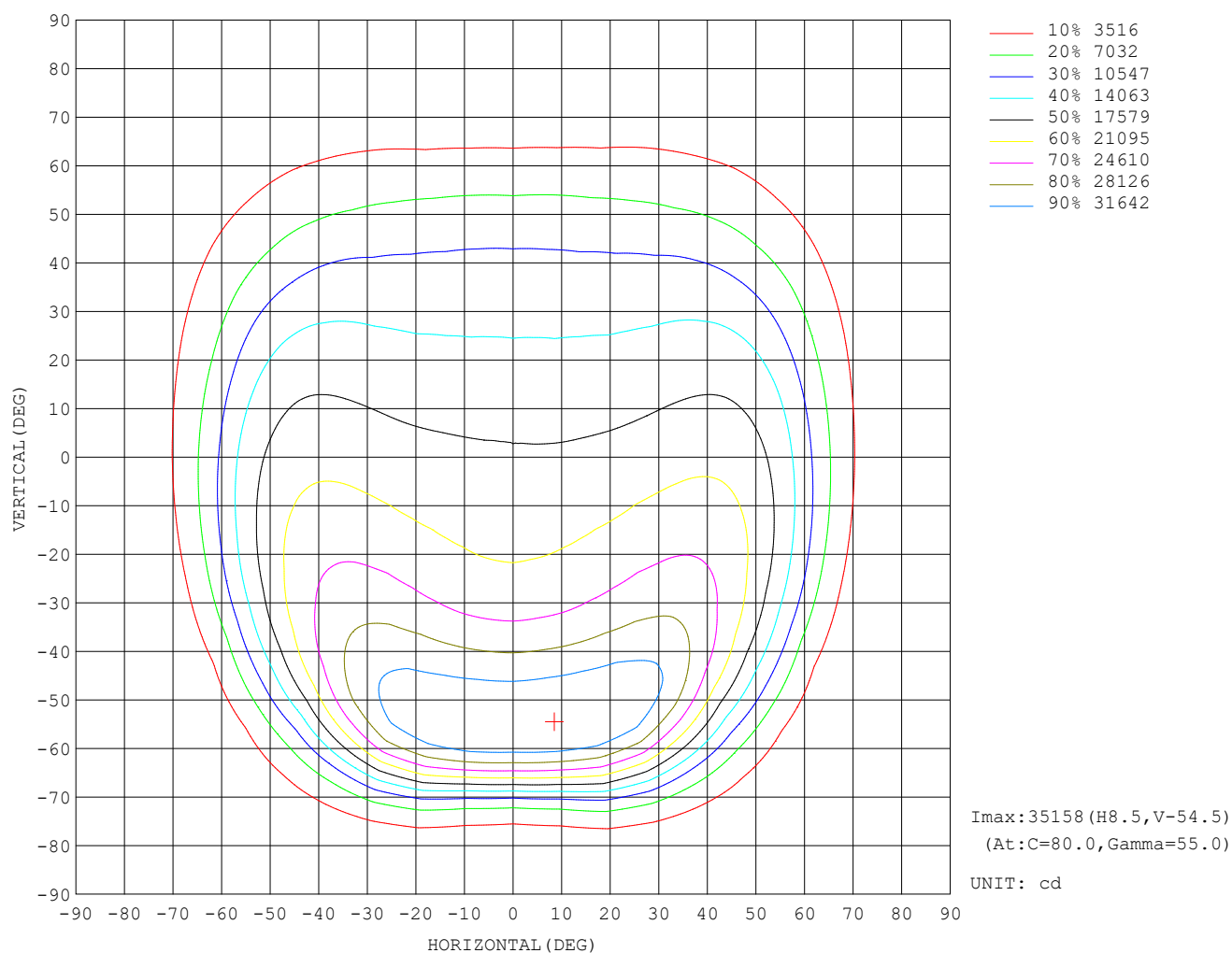
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1820	1909	1933	1912	1827	1702	1644	1692	0- 10	1721	1721	2.36,2.36
20	1868	2067	2078	2071	1875	1590	1480	1581	10- 20	5141	6862	9.4,9.4
30	1962	2323	2317	2323	1965	1471	1312	1465	20- 30	8590	15451	21.2,21.2
40	2031	2709	2794	2684	2017	1325	1120	1326	30- 40	12230	27682	37.9,37.9
50	1856	2992	3364	2896	1813	1081	855.1	1096	40- 50	15622	43303	59.3,59.3
60	1189	2335	3256	2265	1111	668.0	457.4	687.9	50- 60	16158	59461	81.5,81.5
70	369.9	844.9	1103	802.1	360.4	302.8	213.9	311.3	60- 70	10294	69755	95.6,95.6
80	70.16	119.7	136.4	107.1	62.18	69.22	67.29	76.84	70- 80	2885	72640	99.5,99.5
90	0.7852	1.165	0.9217	0.3927	0.3129	0.5994	0.7715	0.8123	80- 90	330.8	72971	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:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:14 October 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
 Humidity:65.0%
 Test Distance:26.000m [K=0.4548]
 Remarks:

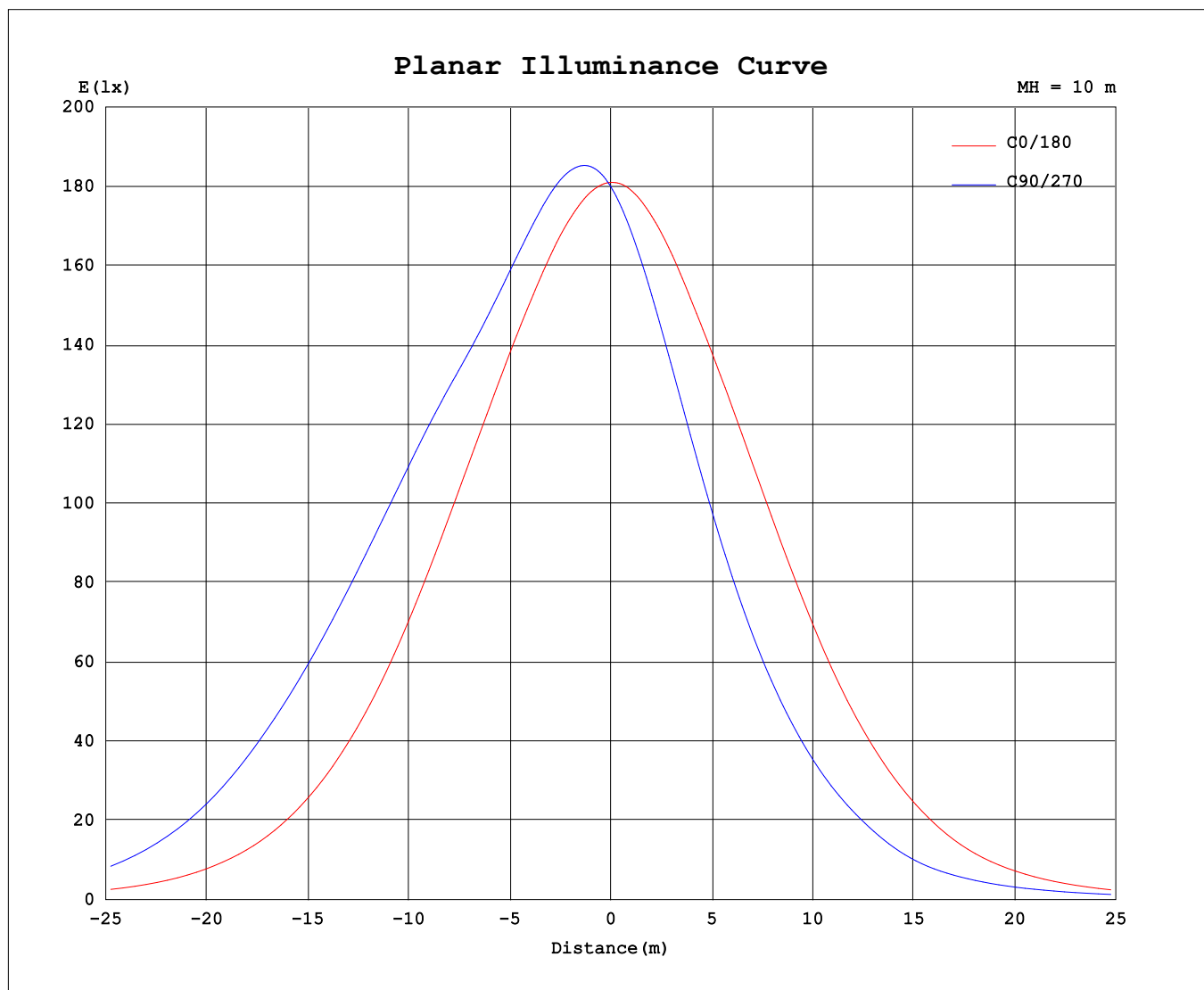
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 October 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 14 October 2022

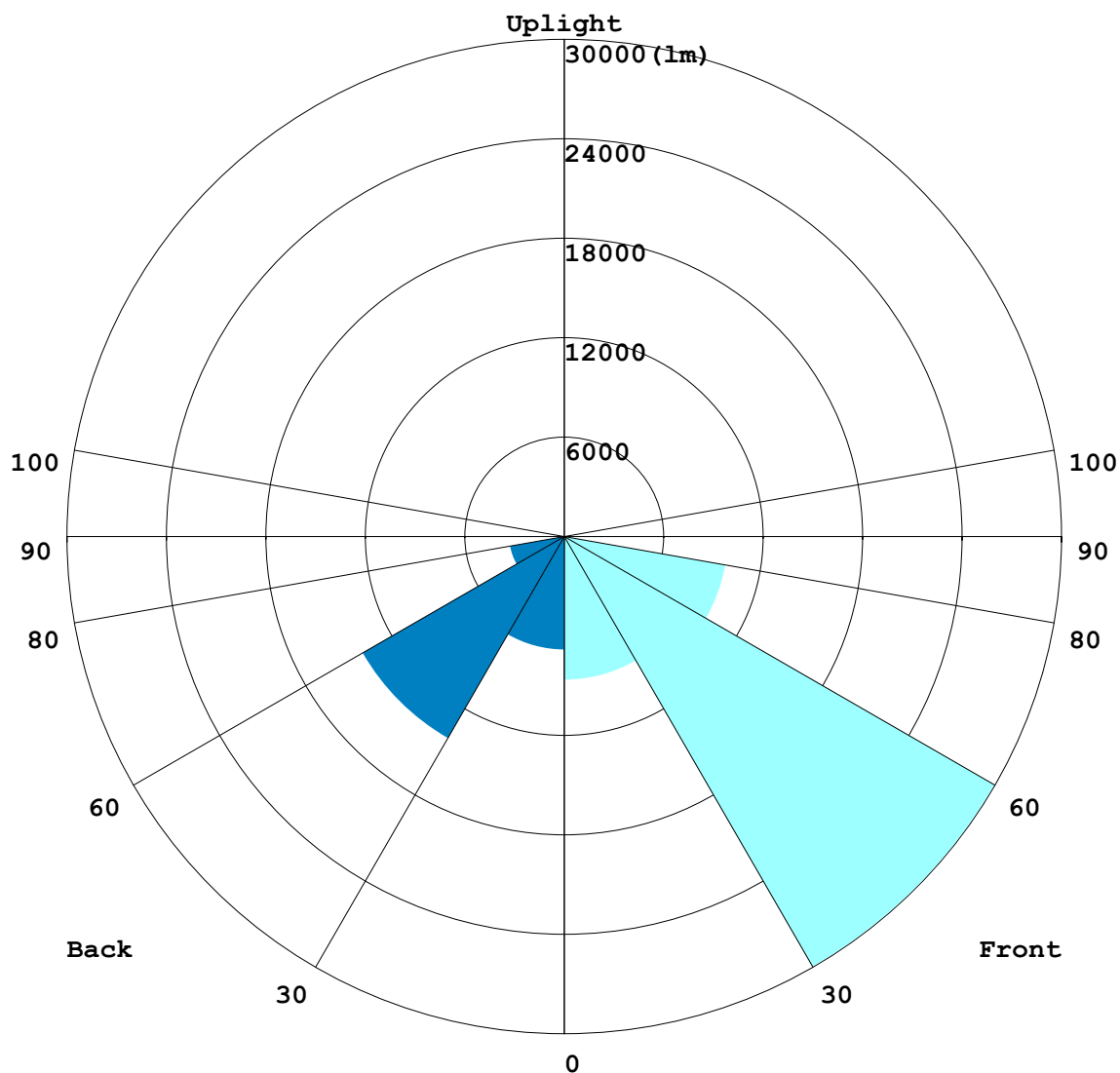
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:229.2V I:2.2009A P:494.88W PF:0.9810 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:72971x1 lm		
NAME: FL23-500-5070-F12201	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:25.3°C
 Operators:LYJ
 Test Date:14 October 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
 Humidity:65.0%
 Test Distance:26.000m [K=0.4548]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:229.2V I:2.2009A P:494.88W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:72971x1 lm		
NAME: FL23-500-5070-F12201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8634.7	11.8
FM - Front-Medium(30-60)	29968	41.1
FH - Front-High(60-80)	9861.8	13.5
FVH - Front-Very High(80-90)	202.59	0.3
Total Forward Light	48667	66.7

BL - Back-Low(0-30)	6816.5	9.3
BM - Back-Medium(30-60)	14043	19.2
BH - Back-High(60-80)	3316.9	4.5
BVH - Back-Very High(80-90)	128.22	0.2
Total Back Light	24304	33.3

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	24304	0	24304
Street Side	48667	0	48667

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:14 October 2022

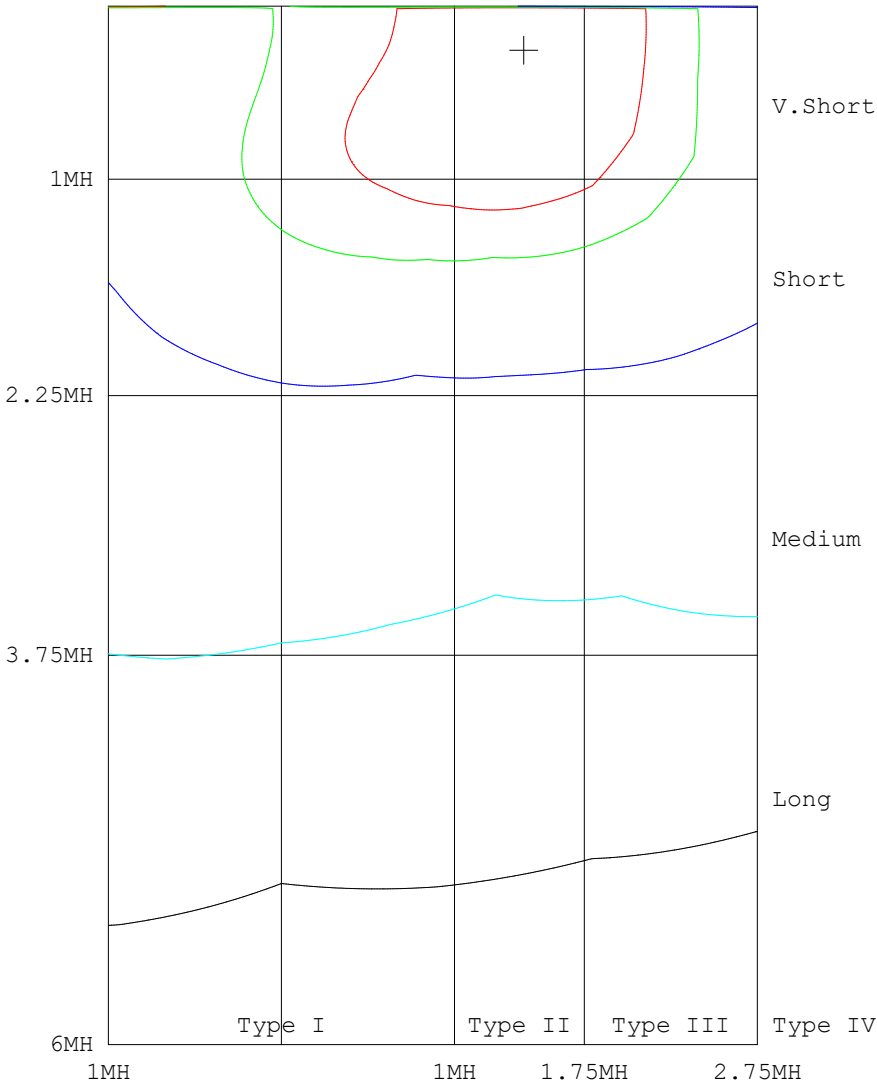
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.2V I:2.2009A P:494.88W PF:0.9810 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:72971x1 lm		
NAME: FL23-500-5070-F12201	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:25.3°C
Operators:LYJ
Test Date:14 October 2022

Pavement

Road

70% 24612 50% 17580 2.5% 879

γ Range: 7032 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks: