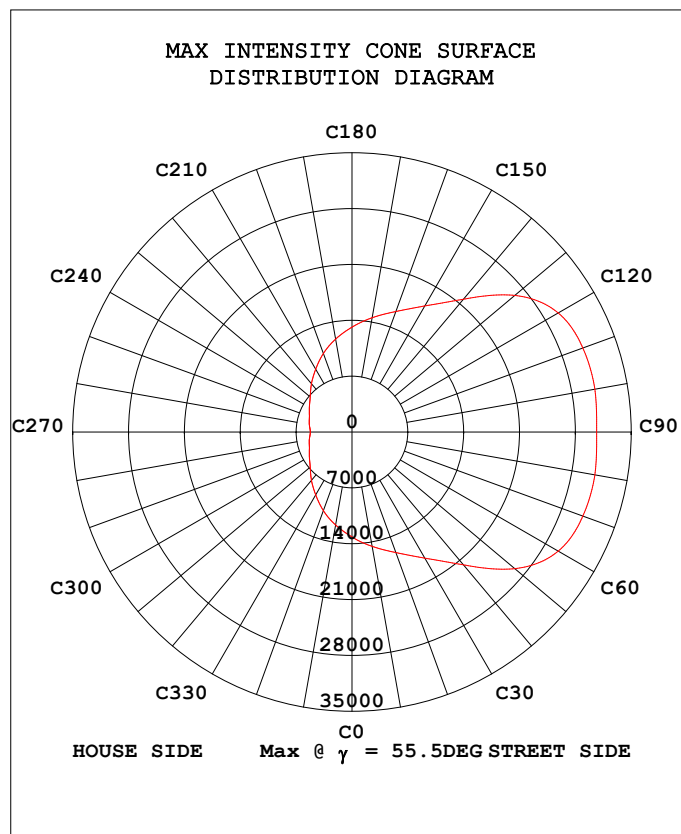
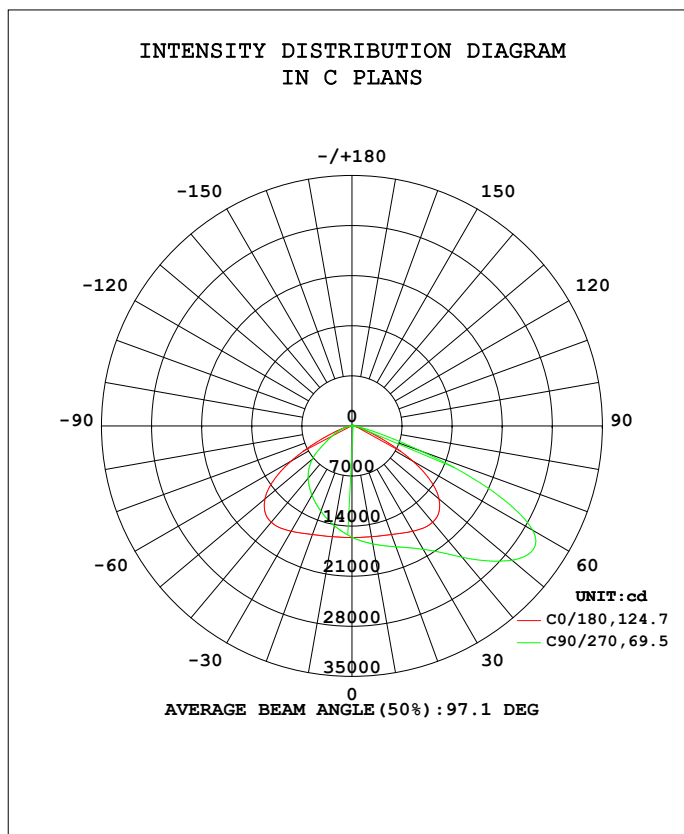


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.6V I:1.8077A P:404.20W PF:0.9739 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:63010.9x1 lm		
NAME: FL23-500P-5070-Fl2201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

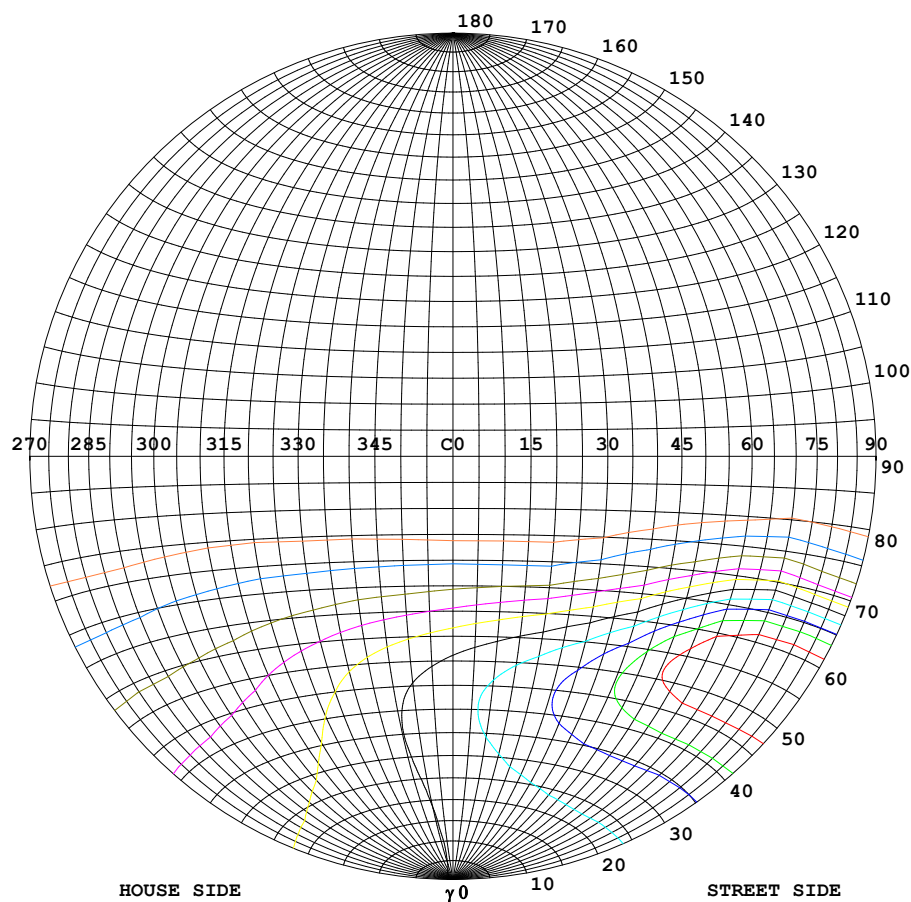
DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.89 lm/W			
MODEL	/	I <sub>max</sub> (cd)	30911	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	67.3
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	63011	η house_up (%)	0.0
NOMINAL FLUX (lm)	63010.9	MAXIMUM @ (C, γ )	80,55.5	η house_down (%)	32.7
LAMPS 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:07 November 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



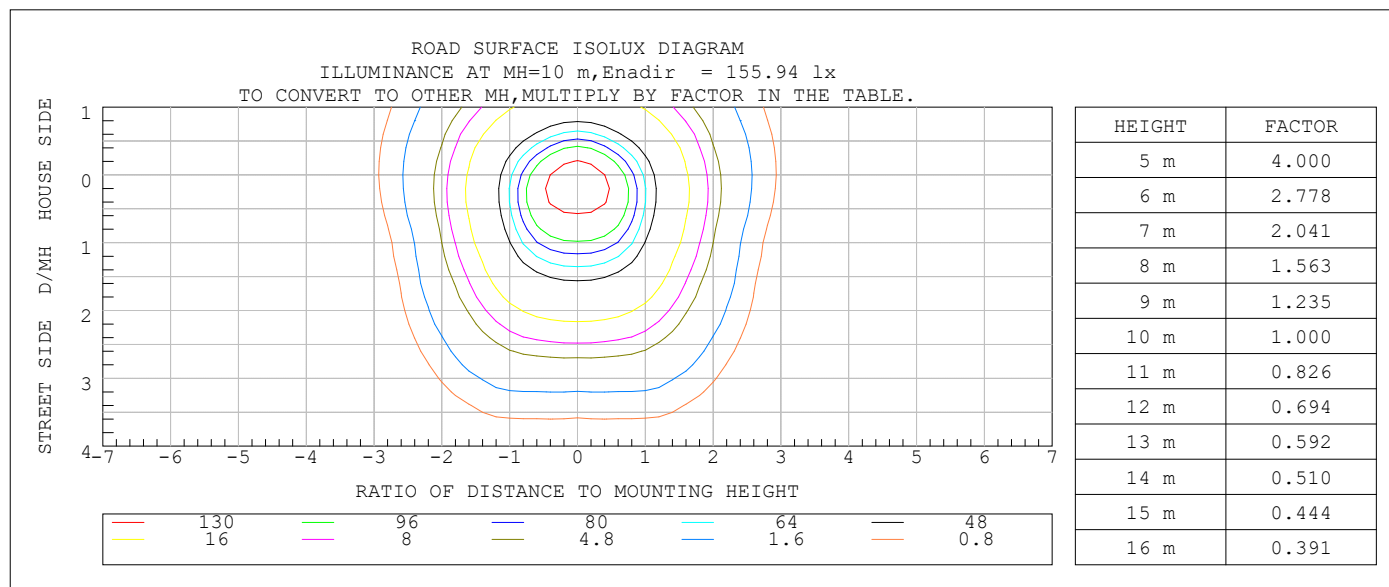
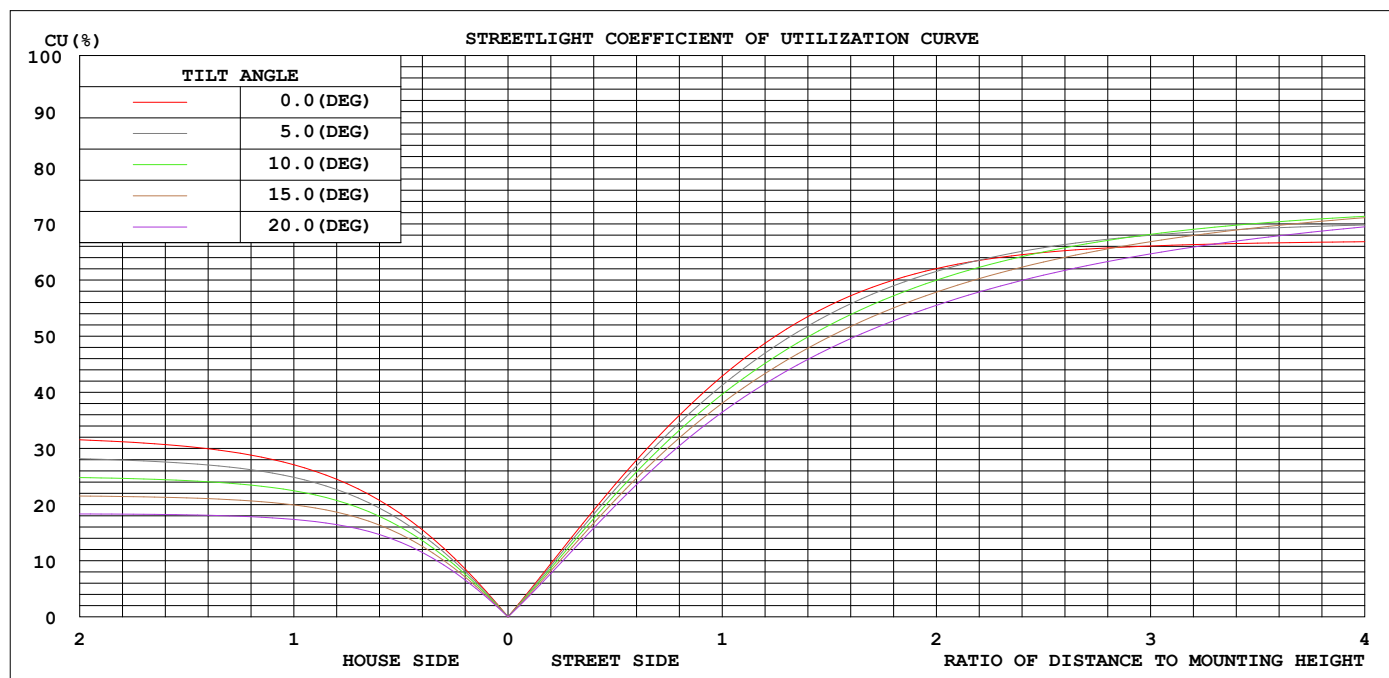
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:26.23cd/klm  
Max.At90:0.1210cd/klm  
Max.80-90:26.23cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		30911
— 90%		27820
— 80%		24729
— 70%		21638
— 60%		18546
— 50%		15455
— 40%		12364
— 30%		9273
— 20%		6182
— 10%		3091
— 5%		1546

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:07 November 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: 07 November 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

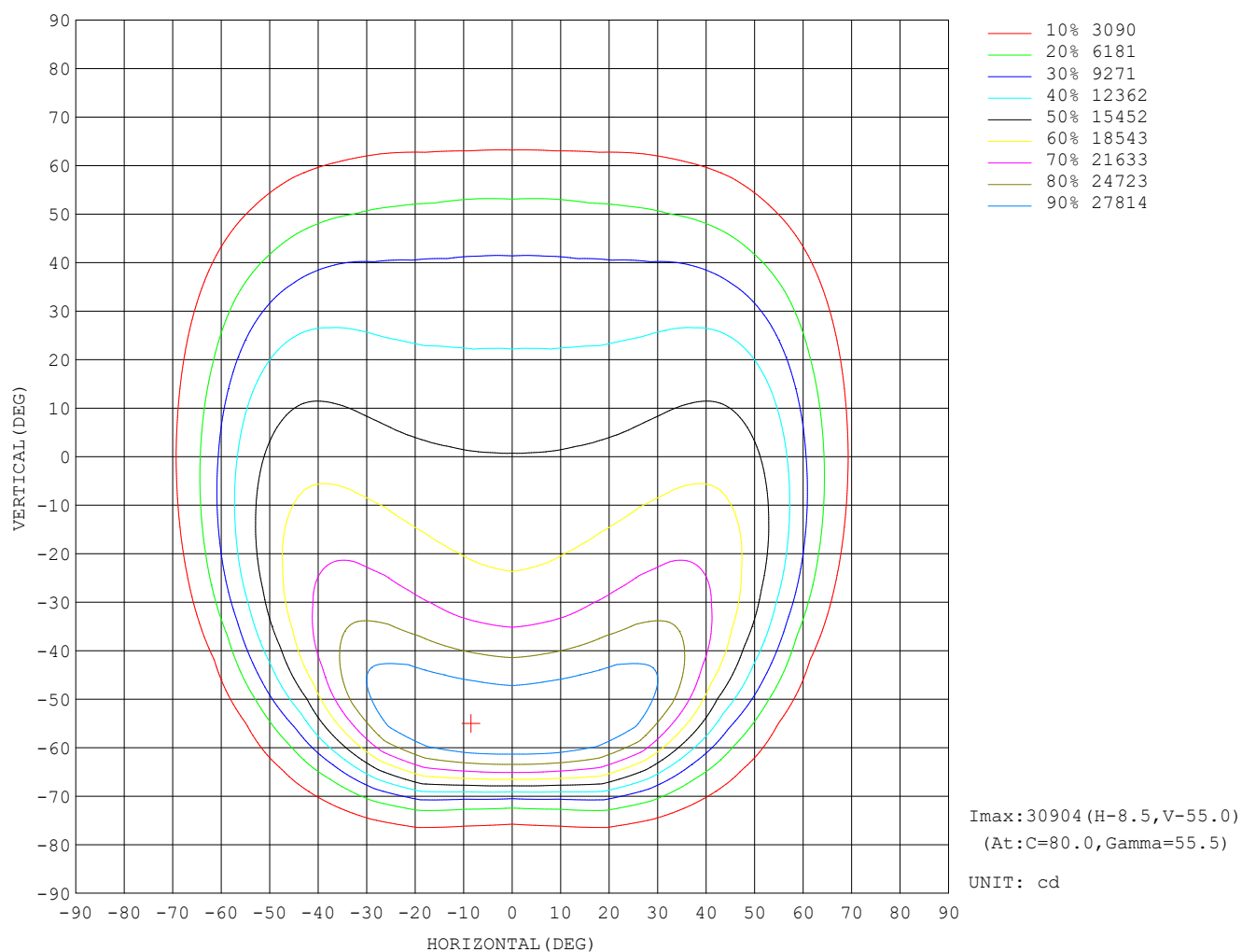
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1570	1652	1673	1652	1570	1461	1416	1461	0- 10	1485	1485	2.36,2.36
20	1615	1791	1797	1791	1615	1361	1268	1361	10- 20	4435	5920	9.4,9.4
30	1698	2015	1991	2015	1698	1256	1118	1256	20- 30	7411	13331	21.2,21.2
40	1756	2350	2395	2350	1756	1132	953.3	1132	30- 40	10557	23888	37.9,37.9
50	1588	2596	2918	2596	1588	927.2	724.6	927.2	40- 50	13546	37435	59.4,59.4
60	978.6	1990	2915	1990	978.6	557.0	384.0	557.0	50- 60	14055	51490	81.7,81.7
70	278.9	683.3	1031	683.3	278.9	240.1	187.0	240.1	60- 70	8843	60334	95.8,95.8
80	51.76	90.43	124.6	90.43	51.76	59.54	57.71	59.54	70- 80	2410	62744	99.6,99.6
90	0.2507	0.2473	0.5944	0.2473	0.2507	0.5529	0.6390	0.5529	80- 90	267.2	63011	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:07 November 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4548]  
 Remarks:

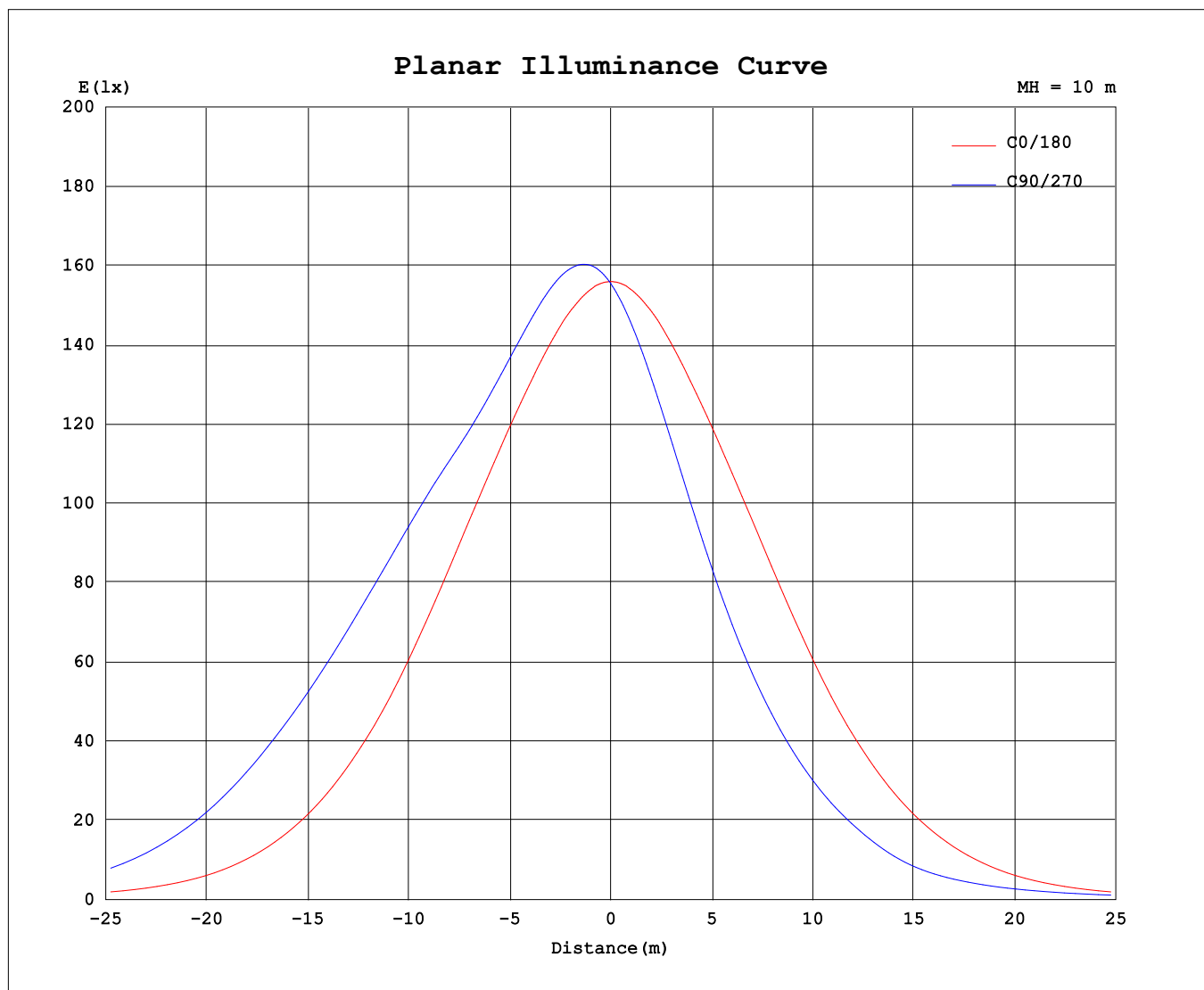
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:07 November 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 07 November 2022

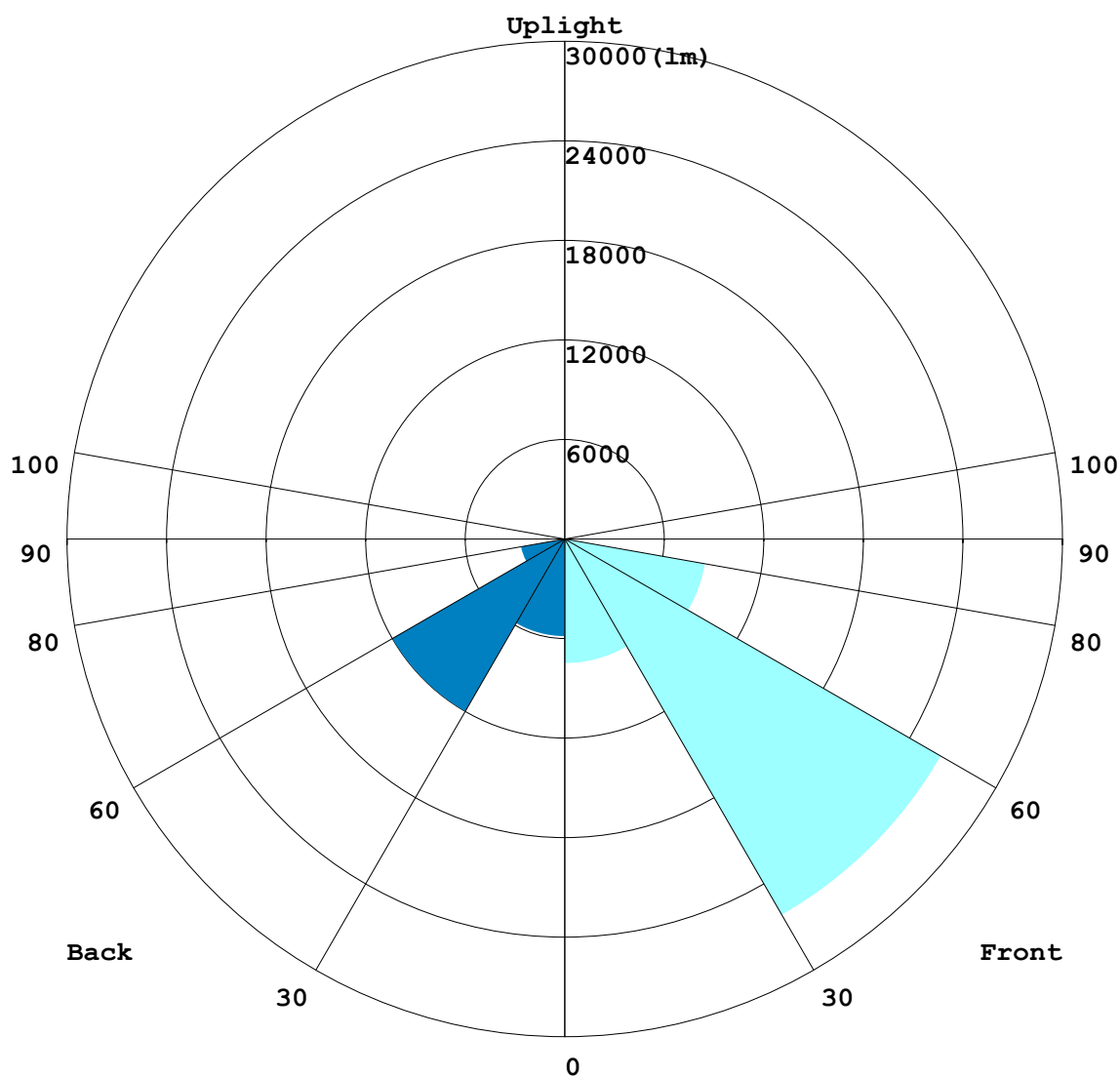
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4548]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:229.6V I:1.8077A P:404.20W PF:0.9739 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:63010.9x1 lm		
NAME: FL23-500P-5070-Fl2201	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:07 November 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:229.6V I:1.8077A P:404.20W PF:0.9739 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:63010.9x1 lm		
NAME: FL23-500P-5070-Fl2201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7475.5	11.9
FM - Front-Medium(30-60)	26163	41.5
FH - Front-High(60-80)	8582.8	13.6
FVH - Front-Very High(80-90)	167.19	0.3
Total Forward Light	42389	67.3

BL - Back-Low(0-30)	5855.8	9.3
BM - Back-Medium(30-60)	11996	19.0
BH - Back-High(60-80)	2670.8	4.2
BVH - Back-Very High(80-90)	100.04	0.2
Total Back Light	20622	32.7

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	20622	0	20622
Street Side	42389	0	42389

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:07 November 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:

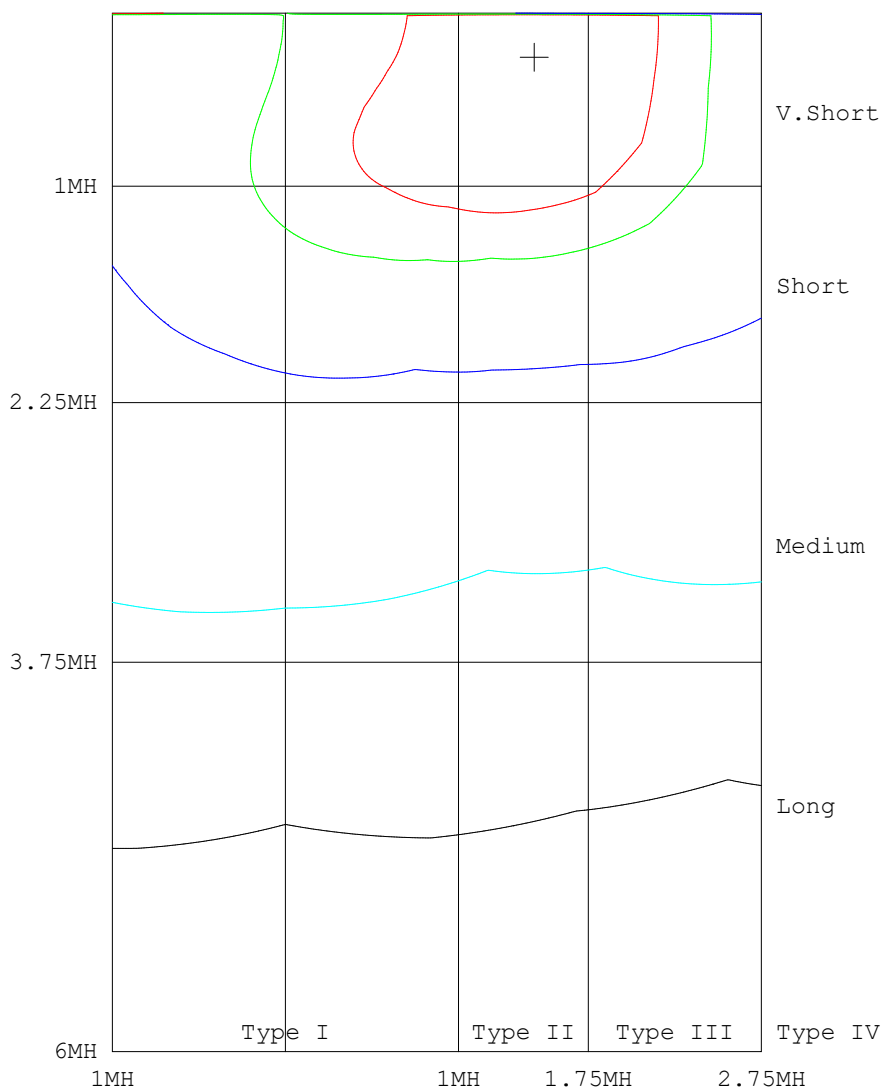


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ROAD ISOCANDELA REPORT

Test:U:229.6V I:1.8077A P:404.20W PF:0.9739 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:63010.9x1 lm		
NAME: FL23-500P-5070-Fl2201	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:07 November 2022

Pavement 70% 21638 Road 30% 16456

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: