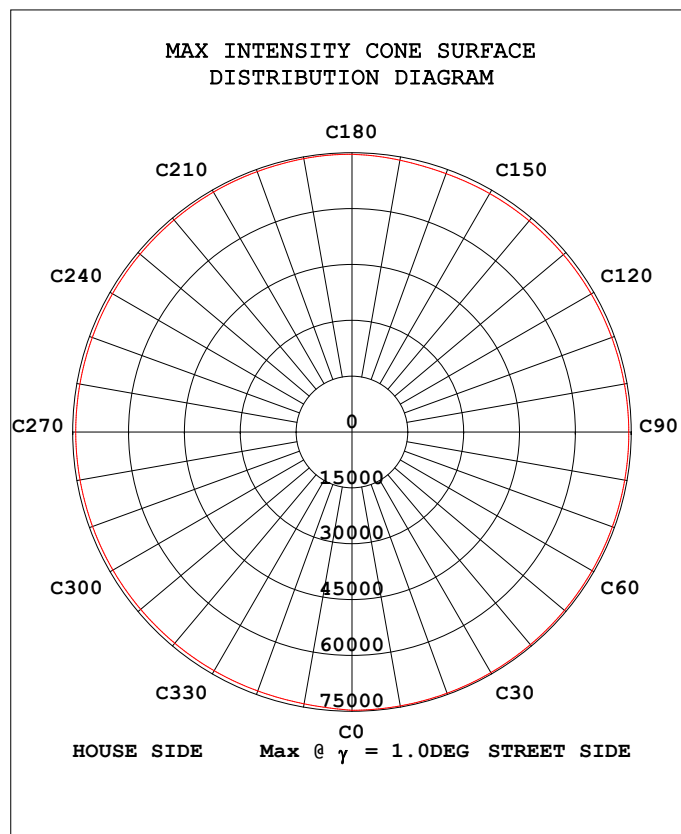
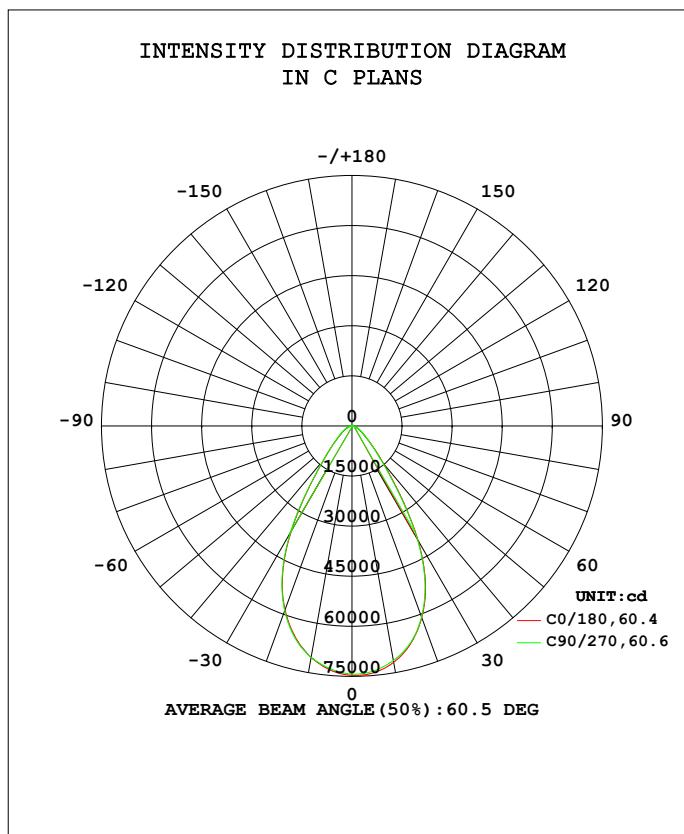


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.2V I:2.2013A P:494.96W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:77019.2x1 lm		
NAME: FL23-500-5070-F12202	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

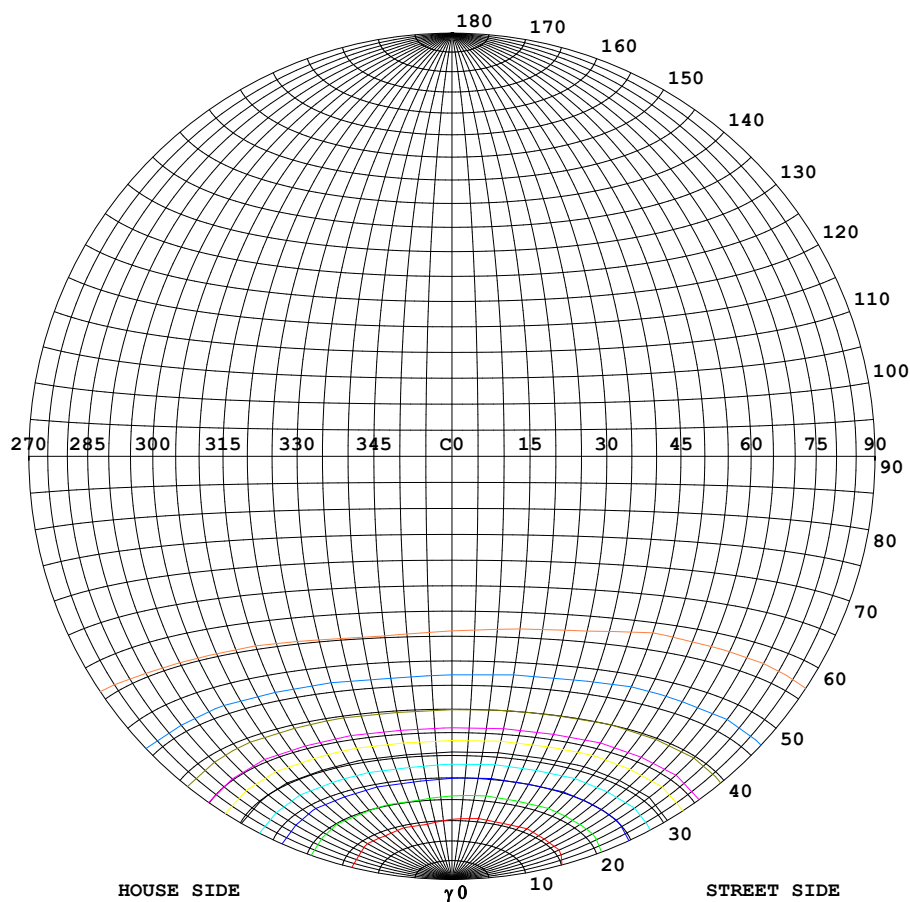
DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.61 lm/W			
MODEL	/	I <sub>max</sub> (cd)	74726	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	51.0
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	77019	η house_up (%)	0.0
NOMINAL FLUX (lm)	77019.2	MAXIMUM @ (C, γ )	0,1.0	η house_down (%)	49.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 11 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



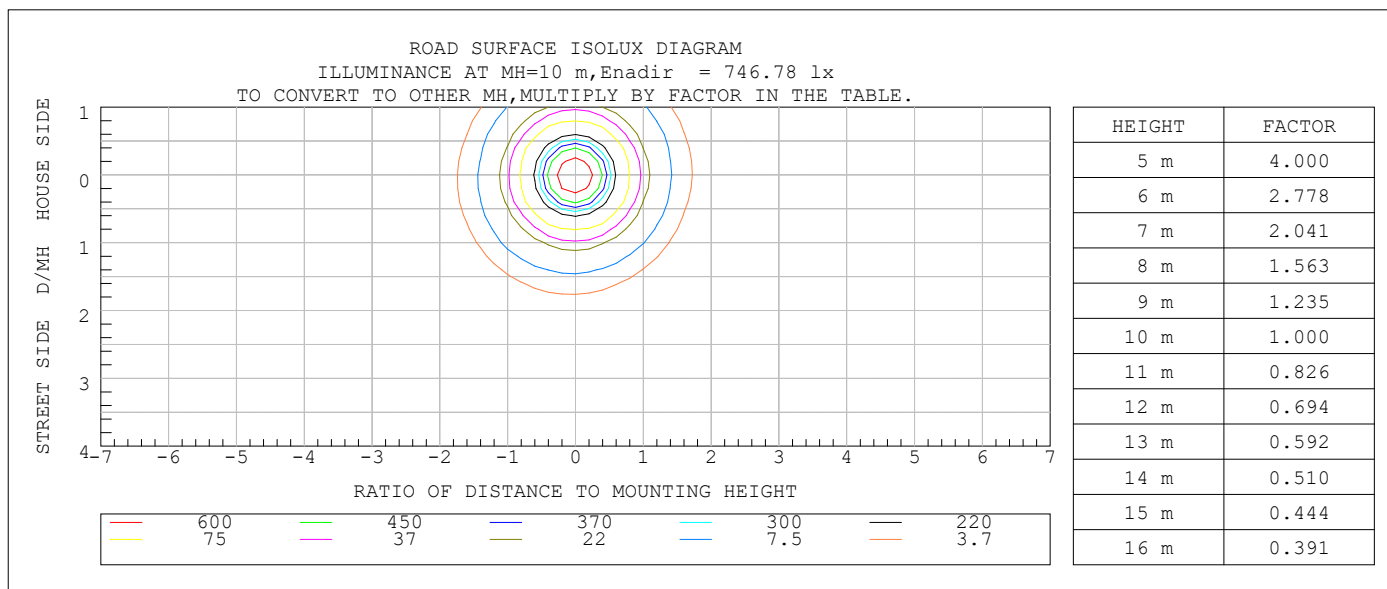
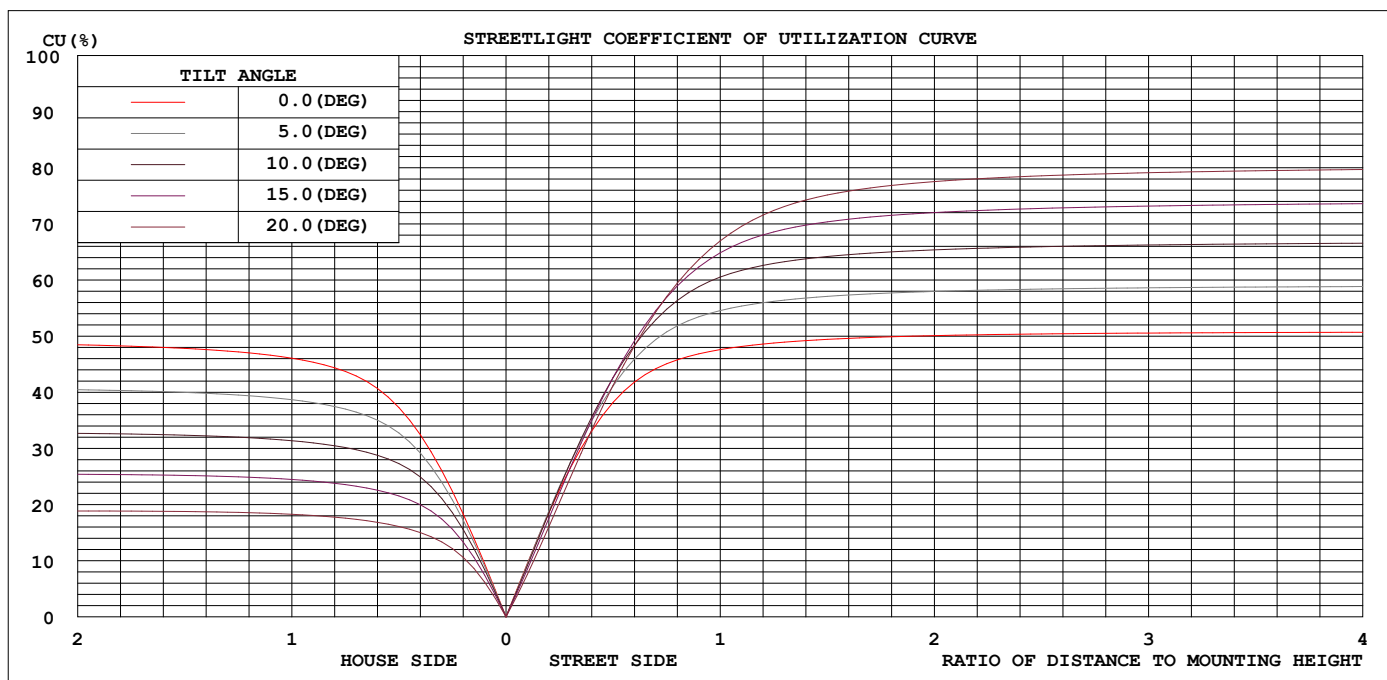
## Classification:

IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:6.636cd/klm  
Max.At90:0.0383cd/klm  
Max.80-90:6.636cd/klm

ISOCANDELA DIAGRAM		
UNIT	cd	
Imax=100%	74726	
90%	67253	
80%	59781	
70%	52308	
60%	44835	
50%	37363	
40%	29890	
30%	22418	
20%	14945	
10%	7473	
5%	3736	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:11 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: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 11 October 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

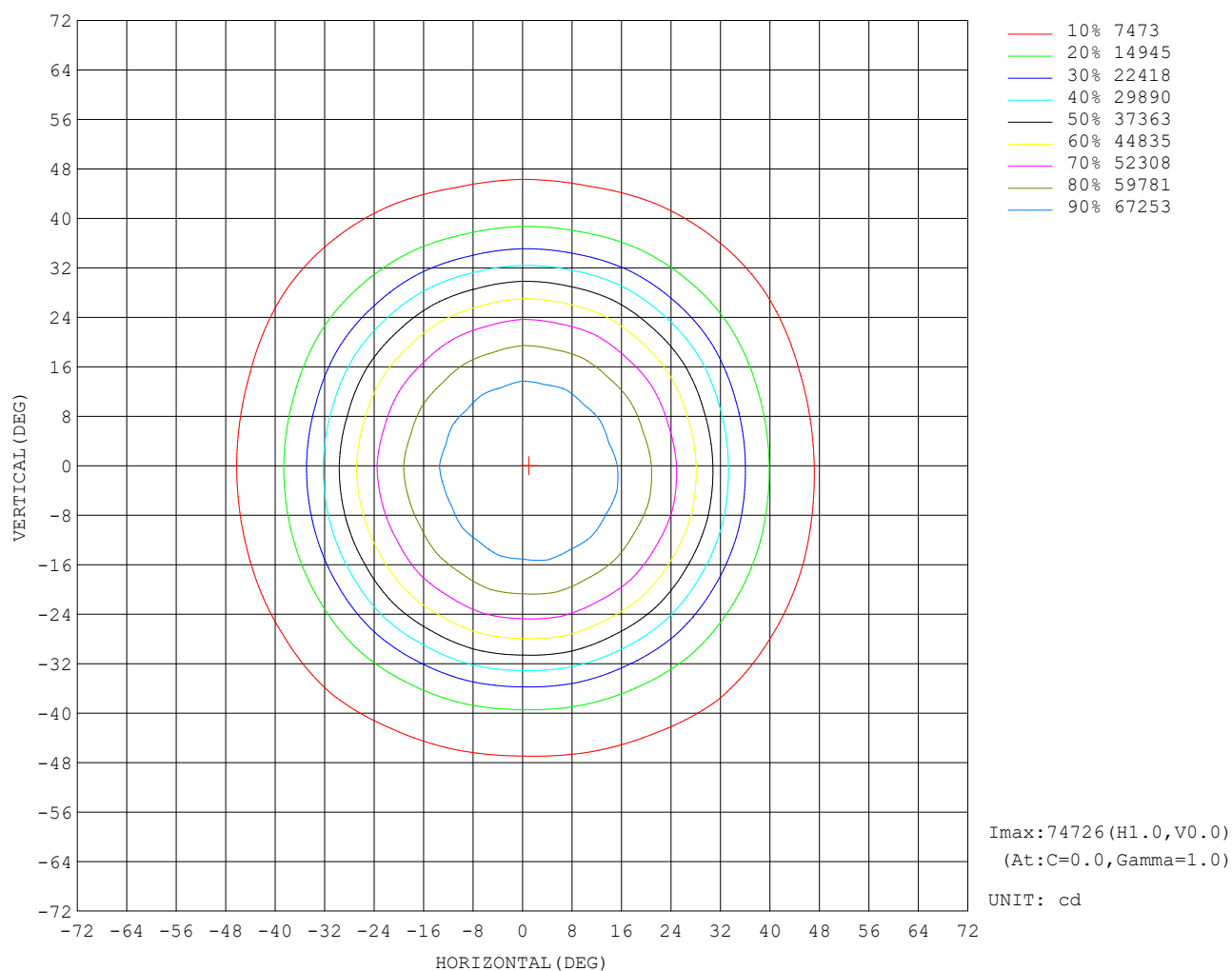
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	7188	7208	7132	7054	7040	6986	7037	7062	0- 10	6925	6925	8.99,8.99
20	6111	6168	6092	5938	5858	5754	5889	5944	10- 20	18531	25456	33.1,33.1
30	3961	4032	3916	3778	3635	3547	3686	3805	20- 30	22767	48223	62.6,62.6
40	1477	1496	1414	1364	1301	1272	1305	1392	30- 40	15017	63240	82.1,82.1
50	584.3	627.2	585.4	564.2	547.7	571.7	559.7	562.0	40- 50	6874	70114	91,91
60	293.9	325.6	309.0	279.9	282.0	295.5	300.4	284.0	50- 60	3669	73783	95.8,95.8
70	153.2	140.1	156.2	129.3	144.2	130.5	153.9	134.1	60- 70	2116	75899	98.5,98.5
80	51.11	40.23	47.52	34.57	43.77	34.85	47.34	37.46	70- 80	962.4	76861	99.8,99.8
90	0.2951	0.2448	0.2038	0.1522	0.1780	0.1815	0.2295	0.2237	80- 90	158.1	77019	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: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:11 October 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:

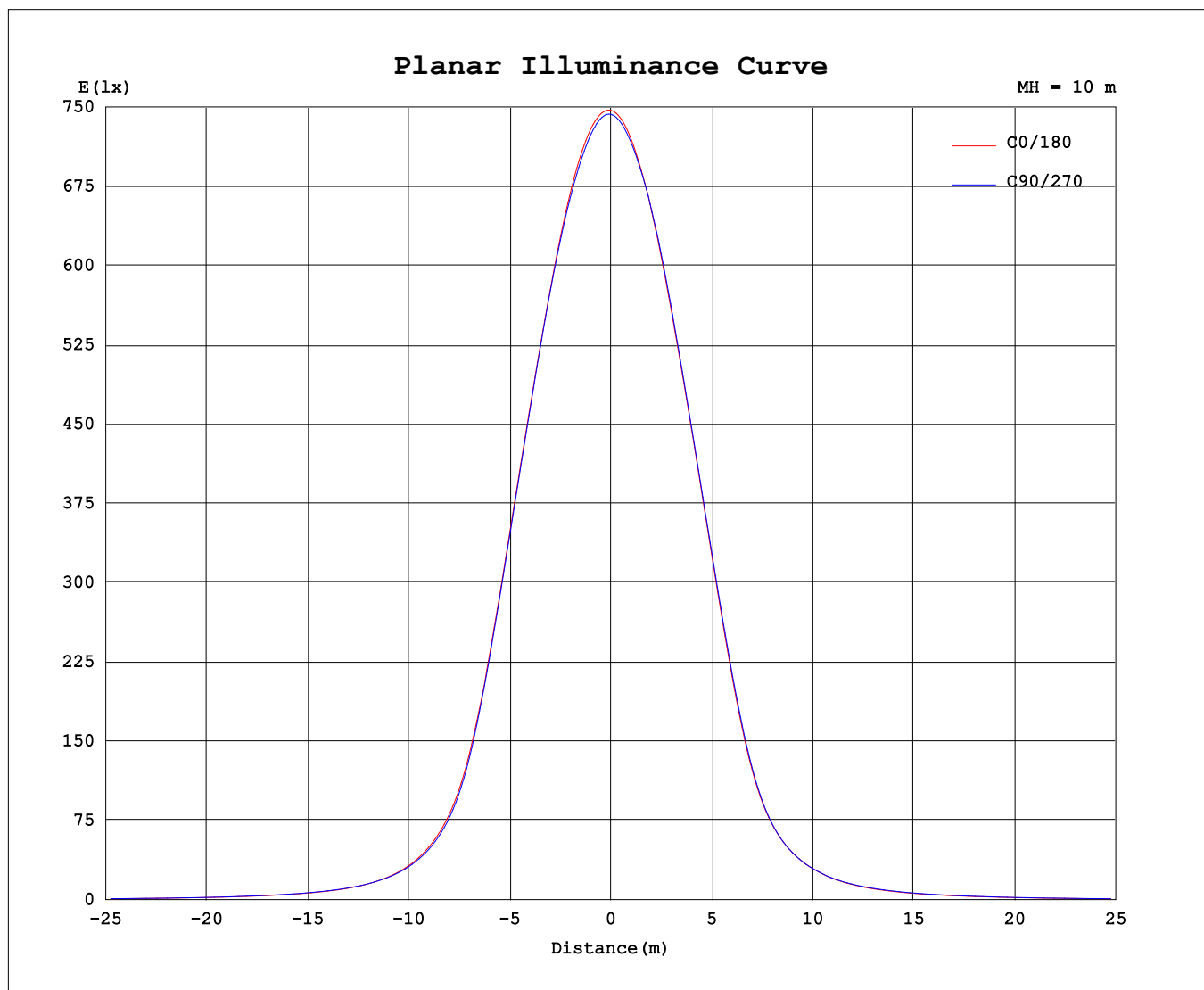
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 11 October 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: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 11 October 2022

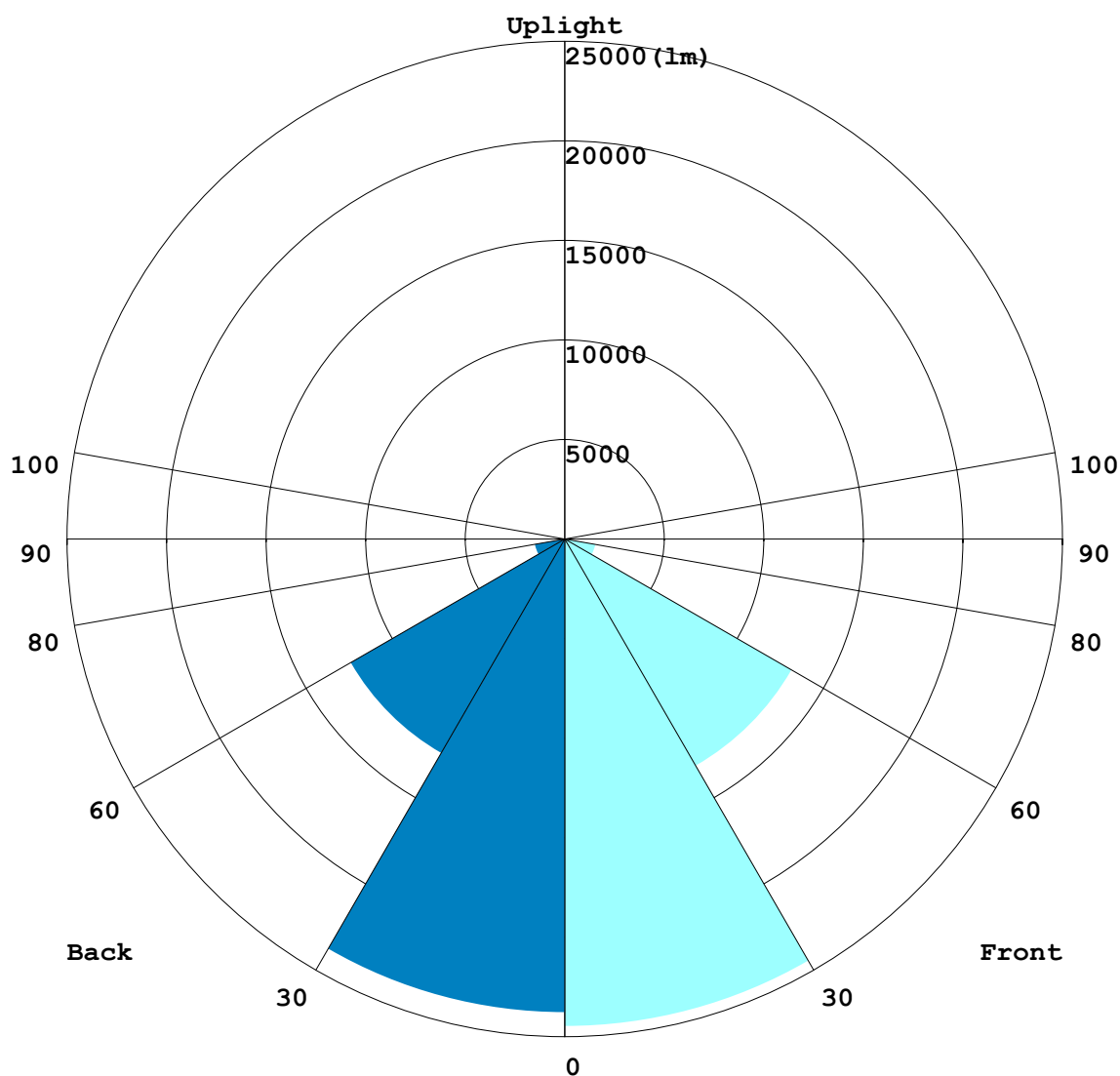
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4548]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:229.2V I:2.2013A P:494.96W PF:0.9810 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:77019.2x1 lm		
NAME: FL23-500-5070-F12202	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:25.3°C  
 Operators:LYJ  
 Test Date:11 October 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:229.2V I:2.2013A P:494.96W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:77019.2x1 lm		
NAME: FL23-500-5070-F12202	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	24458	31.8
FM - Front-Medium(30-60)	13147	17.1
FH - Front-High(60-80)	1557.3	2.0
FVH - Front-Very High(80-90)	81.007	0.1
Total Forward Light	39244	51.0

BL - Back-Low(0-30)	23765	30.9
BM - Back-Medium(30-60)	12413	16.1
BH - Back-High(60-80)	1520.9	2.0
BVH - Back-Very High(80-90)	77.088	0.1
Total Back Light	37776	49.0

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-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	37776	0	37776
Street Side	39244	0	39244

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:11 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:

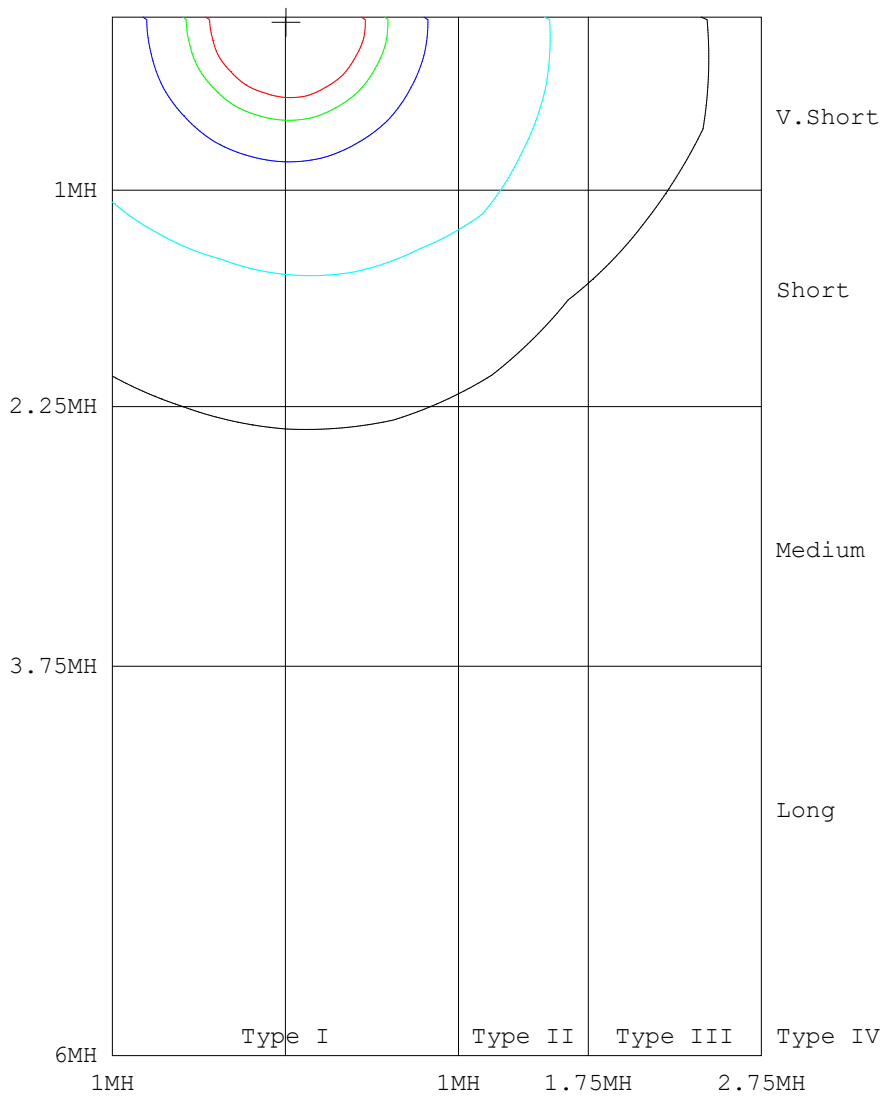


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.2V I:2.2013A P:494.96W PF:0.9810 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:77019.2x1 lm		
NAME: FL23-500-5070-F12202	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:25.3°C Operators:LYJ Test Date:11 October 2022

Pavement 70% 52279 50% 37342 30% 14037 5% 3734.2

Road surface 70% 52279 50% 37342 30% 14037 5% 3734.2

γ Range: 14037 - 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: