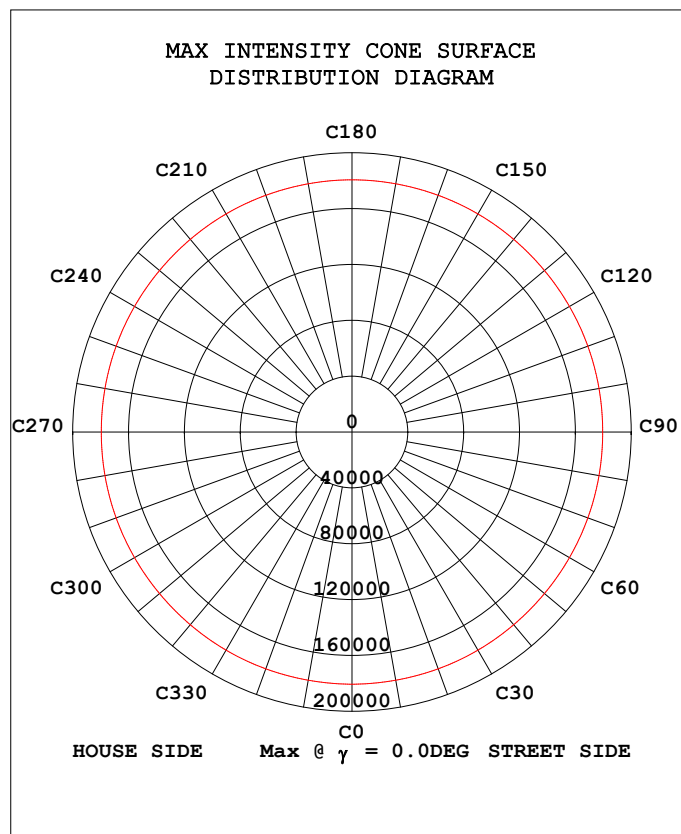
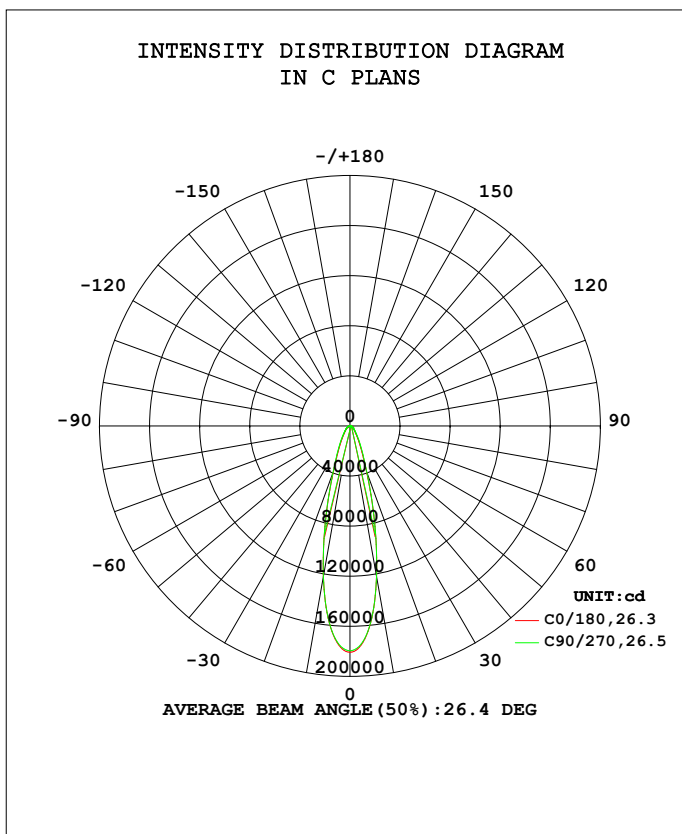


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.7V I:1.7538A P:397.96W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62294.6x1 lm		
NAME: FL23-400-5070-F12204	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

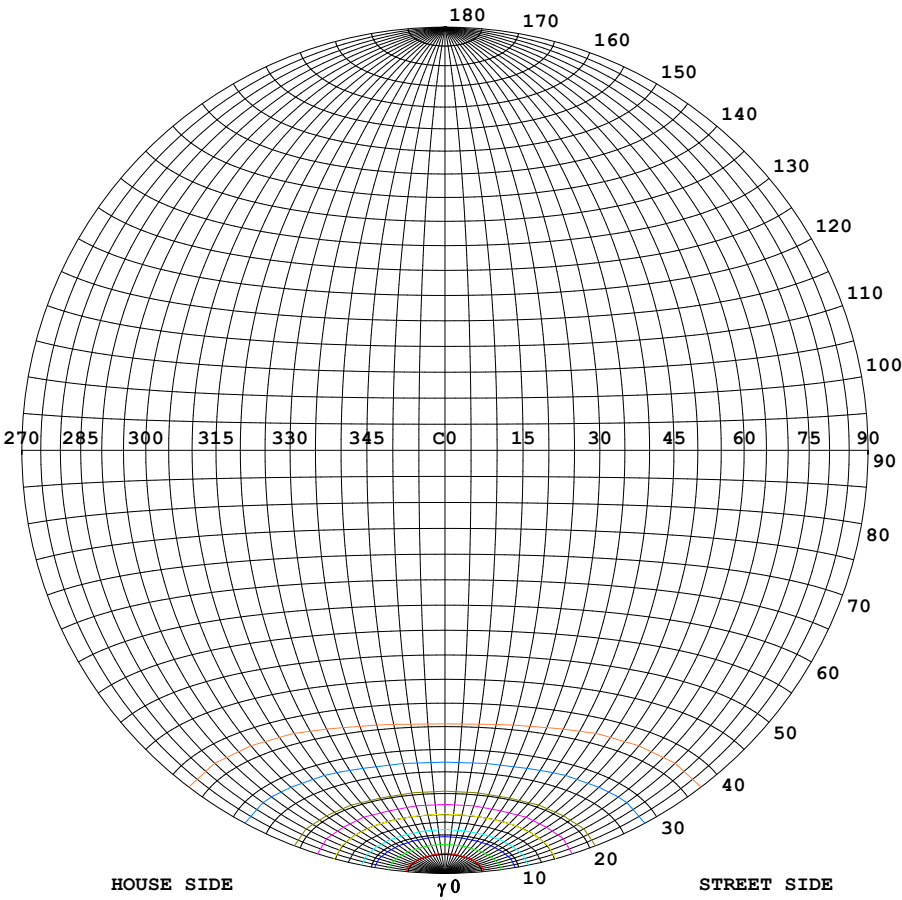
DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.53 lm/W			
MODEL	/	I <sub>max</sub> (cd)	180619	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	50.0
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	62295	η house_up(%)	0.0
NOMINAL FLUX(lm)	62294.6	MAXIMUM @ (C,γ )	0,0.0	η house_down(%)	50.0
LAMPS INSIDE	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℃  
Operators:LYJ  
Test Date:2022-10-17

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

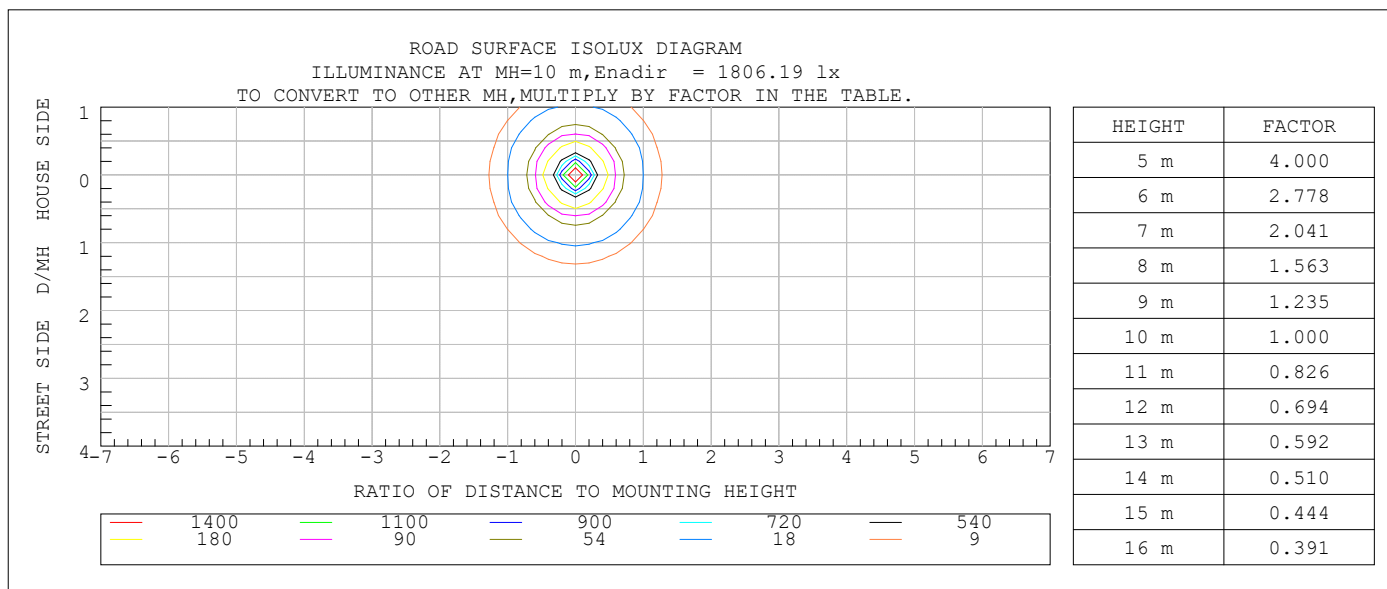
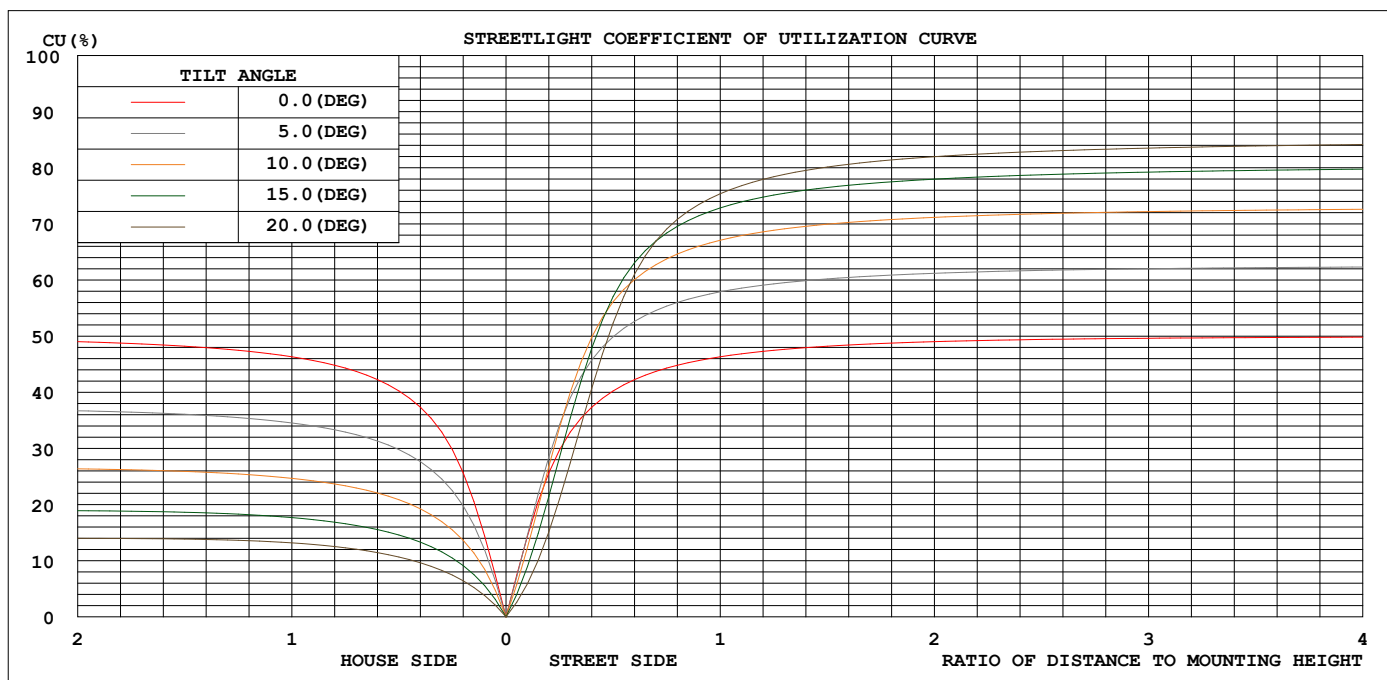


Classification:  
IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:7.908cd/klm  
Max.At90:0.0438cd/klm  
Max.80-90:7.908cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		180619
	90%	162557
	80%	144495
	70%	126433
	60%	108371
	50%	90309
	40%	72248
	30%	54186
	20%	36124
	10%	18062
	5%	9031

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2022-10-17

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: 2022-10-17

$\gamma$  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

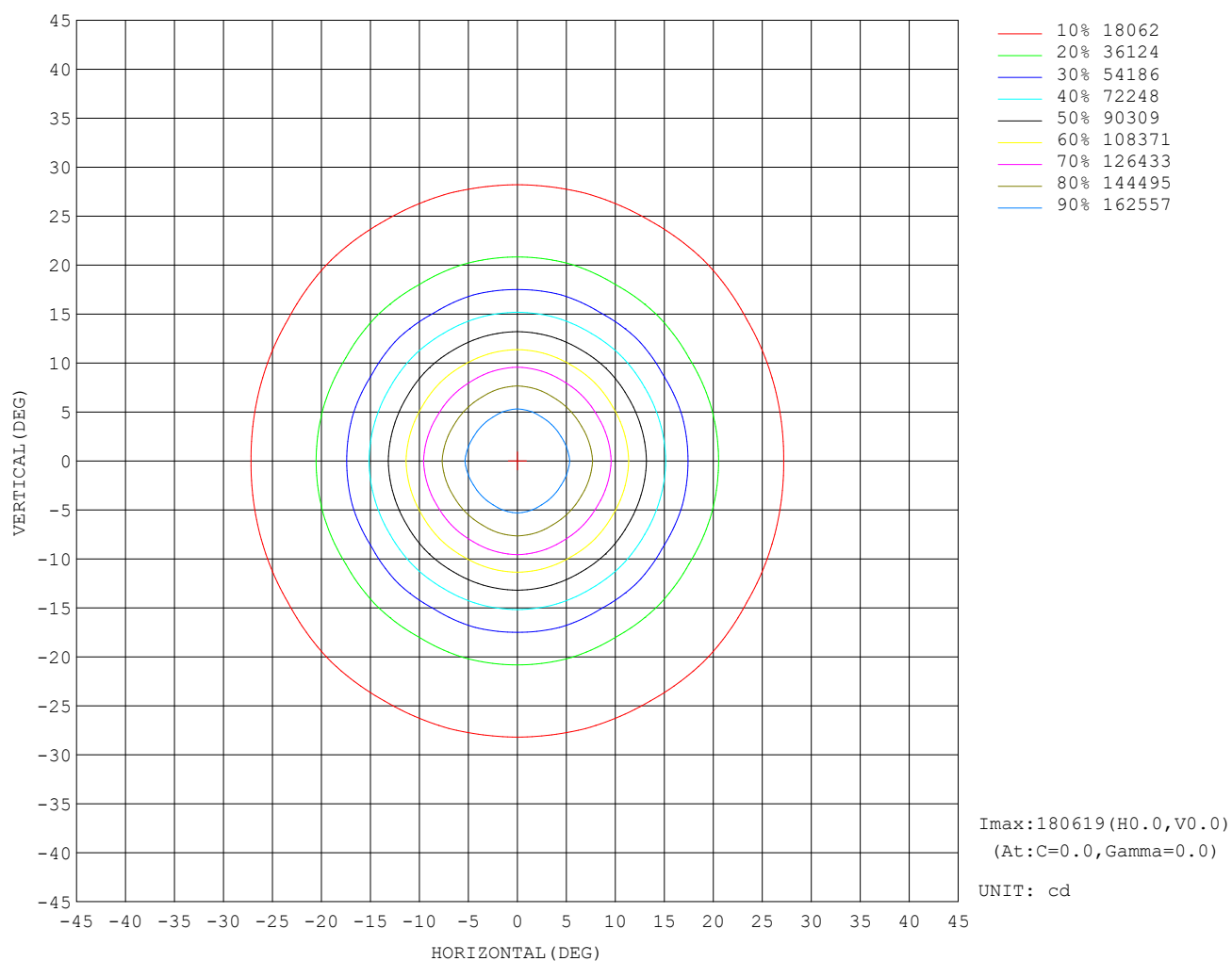
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1222	1204	1222	1204	1222	1204	1222	1204	0- 10	14235	14235	22.9,22.9
20	386.3	383.5	397.1	383.5	386.3	383.5	397.1	383.5	10- 20	20029	34265	55,55
30	140.8	150.1	155.9	150.1	140.8	150.1	155.9	150.1	20- 30	10811	45075	72.4,72.4
40	67.18	74.48	75.51	74.48	67.18	74.48	75.51	74.48	30- 40	6474	51550	82.8,82.8
50	40.36	43.27	44.22	43.27	40.36	43.27	44.22	43.27	40- 50	4275	55825	89.6,89.6
60	26.78	27.78	28.42	27.78	26.78	27.78	28.42	27.78	50- 60	3090	58915	94.6,94.6
70	15.35	15.86	16.04	15.86	15.35	15.86	16.04	15.86	60- 70	2140	61055	98,98
80	4.804	4.869	4.926	4.869	4.804	4.869	4.926	4.869	70- 80	1058	62113	99.7,99.7
90	0.0224	0.0246	0.0272	0.0246	0.0224	0.0246	0.0272	0.0246	80- 90	181.4	62295	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:X100cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-10-17

$\gamma$  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:

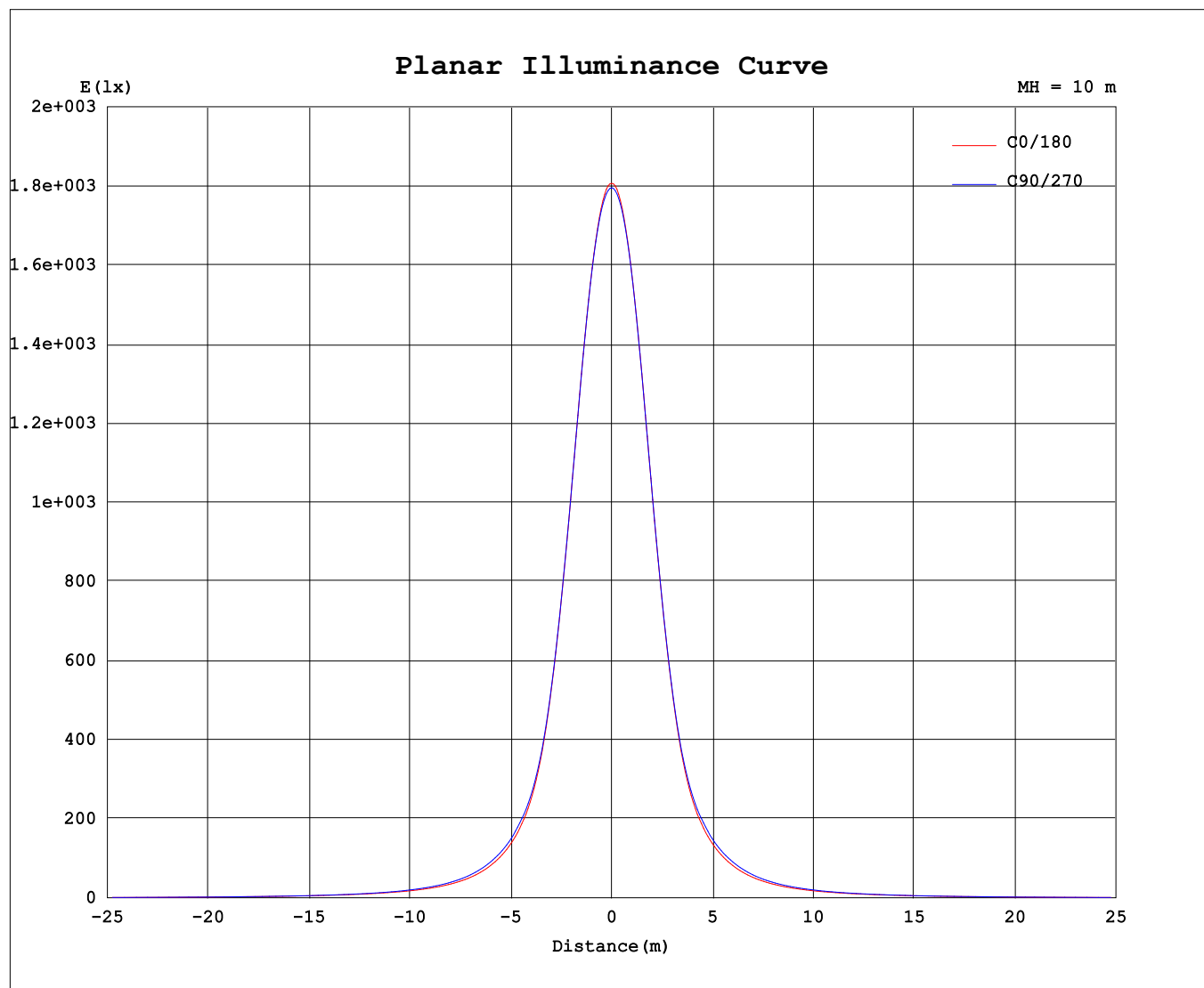
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2022-10-17

$\gamma$  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: 2022-10-17

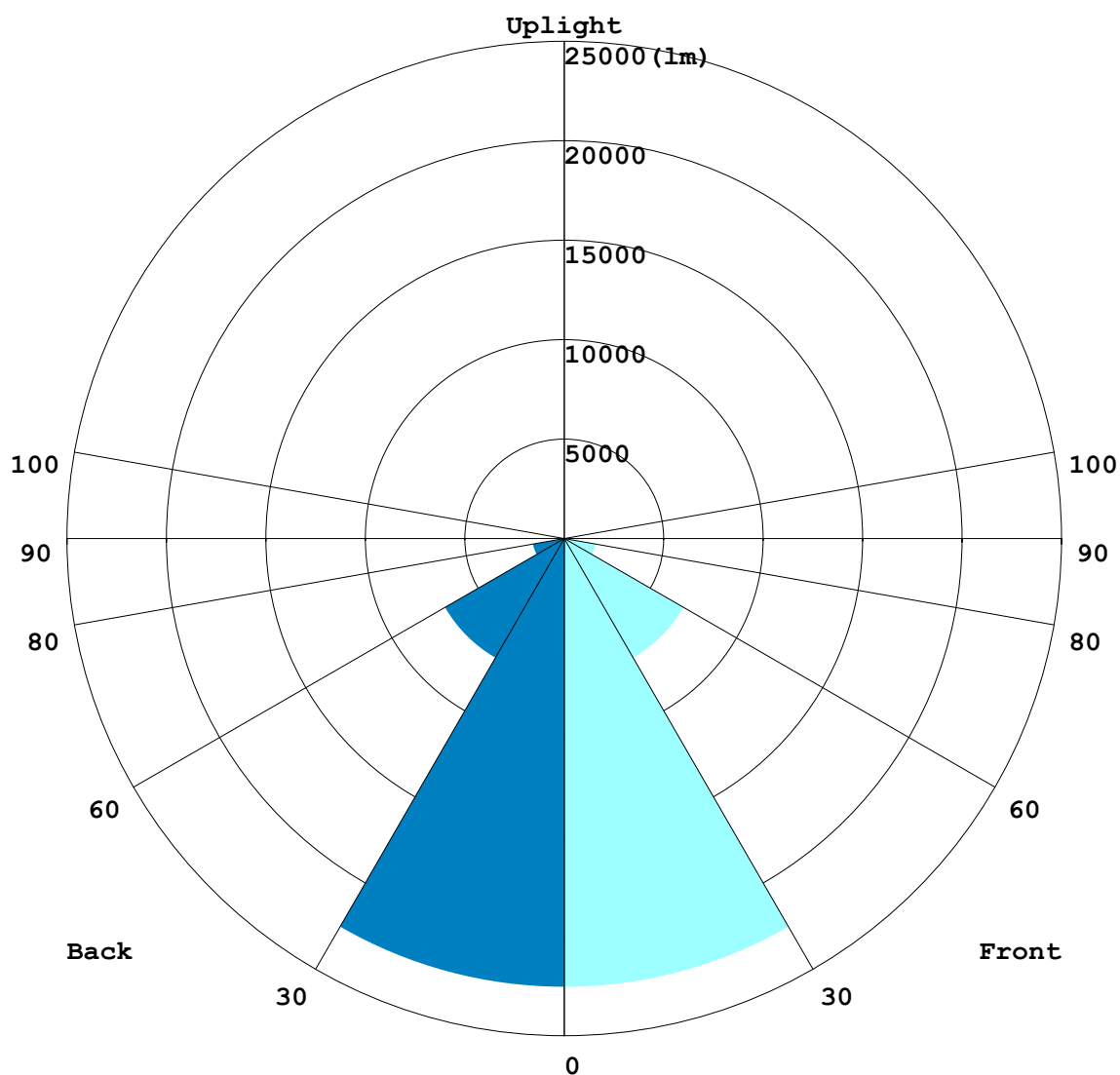
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4548]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:229.7V I:1.7538A P:397.96W PF:0.9878 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62294.6x1 lm		
NAME: FL23-400-5070-F12204	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:2022-10-17

$\gamma$  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:229.7V I:1.7538A P:397.96W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62294.6x1 lm		
NAME: FL23-400-5070-F12204	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	22538	36.2
FM - Front-Medium(30-60)	6919.8	11.1
FH - Front-High(60-80)	1599.1	2.6
FVH - Front-Very High(80-90)	90.693	0.1
Total Forward Light	31147	50.0

BL - Back-Low(0-30)	22538	36.2
BM - Back-Medium(30-60)	6919.8	11.1
BH - Back-High(60-80)	1599.1	2.6
BVH - Back-Very High(80-90)	90.693	0.1
Total Back Light	31147	50.0

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	31147	0	31147
Street Side	31147	0	31147

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2022-10-17

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:

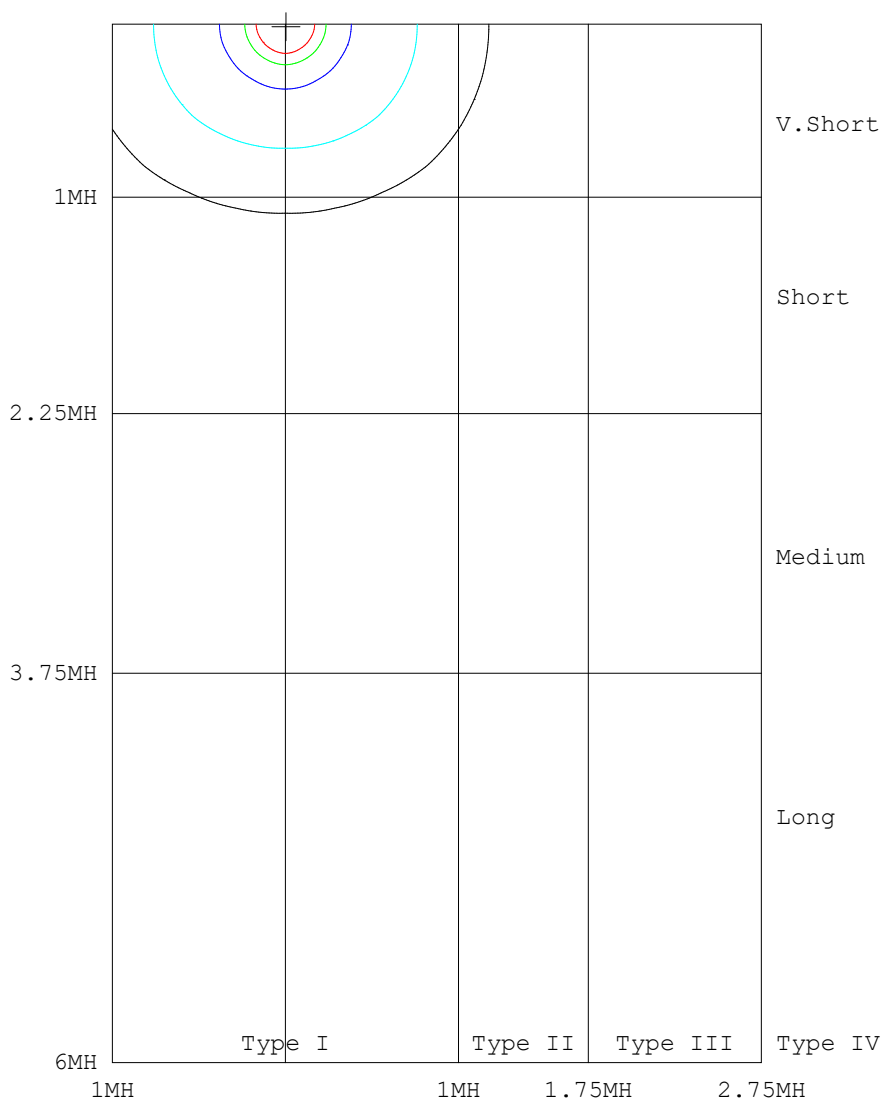


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ROAD ISOCANDELA REPORT

Test:U:229.7V I:1.7538A P:397.96W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62294.6x1 lm		
NAME: FL23-400-5070-F12204	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:2022-10-17

Pavement: 70% 1.2608e+00 Road: 30% 9005.6

C Range: 0 - 360DEG C Interval: 15.0DEG Test Speed: HIGH Temperature:25.3°C Operators:LYJ Test Date:2022-10-17

Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465 Humidity:65.0% Test Distance:26.000m [K=0.4548] Remarks: