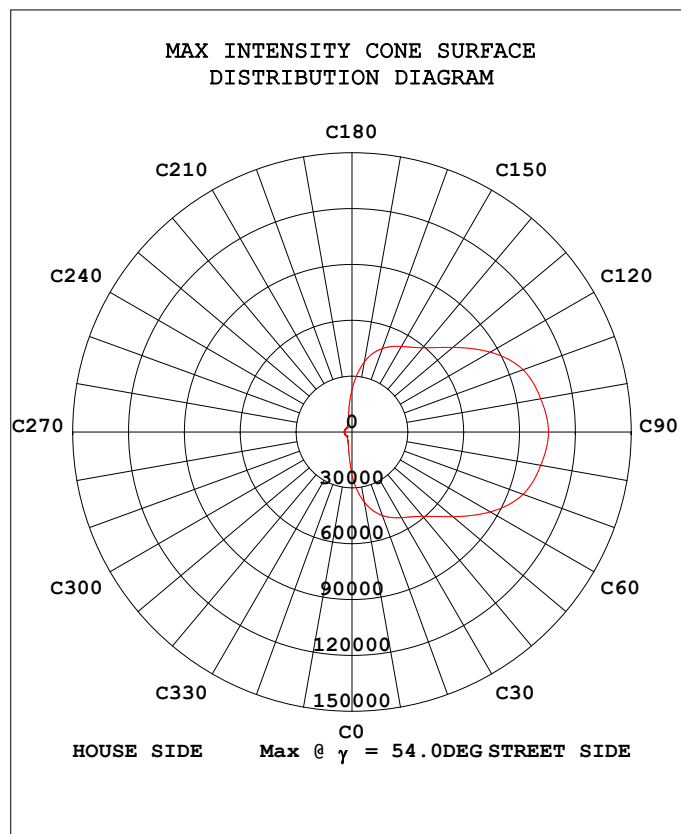
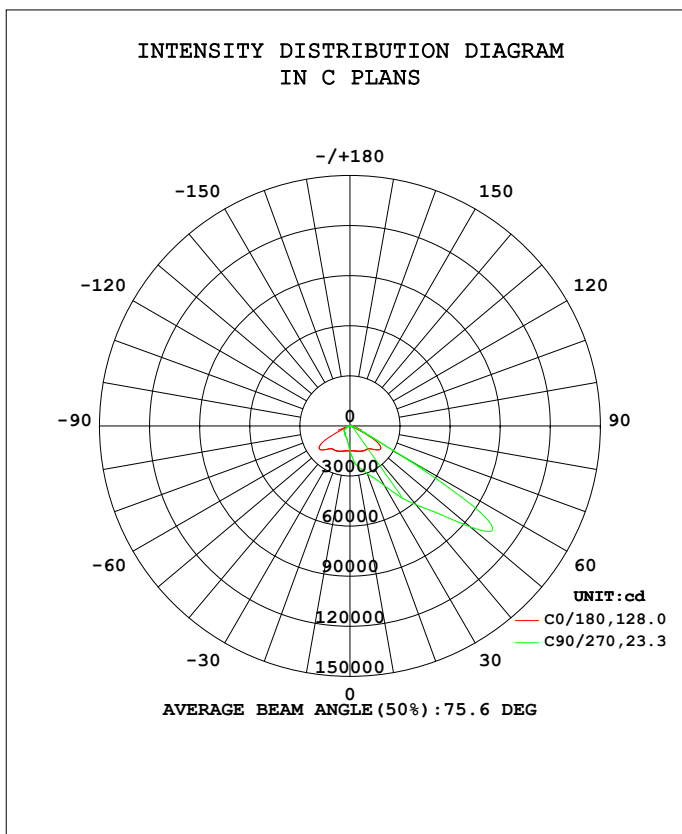


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:3.554A P:803.6W PF:0.983 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:97230.9x1 lm		
NAME: SP04-800-5770-F04014-L39	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

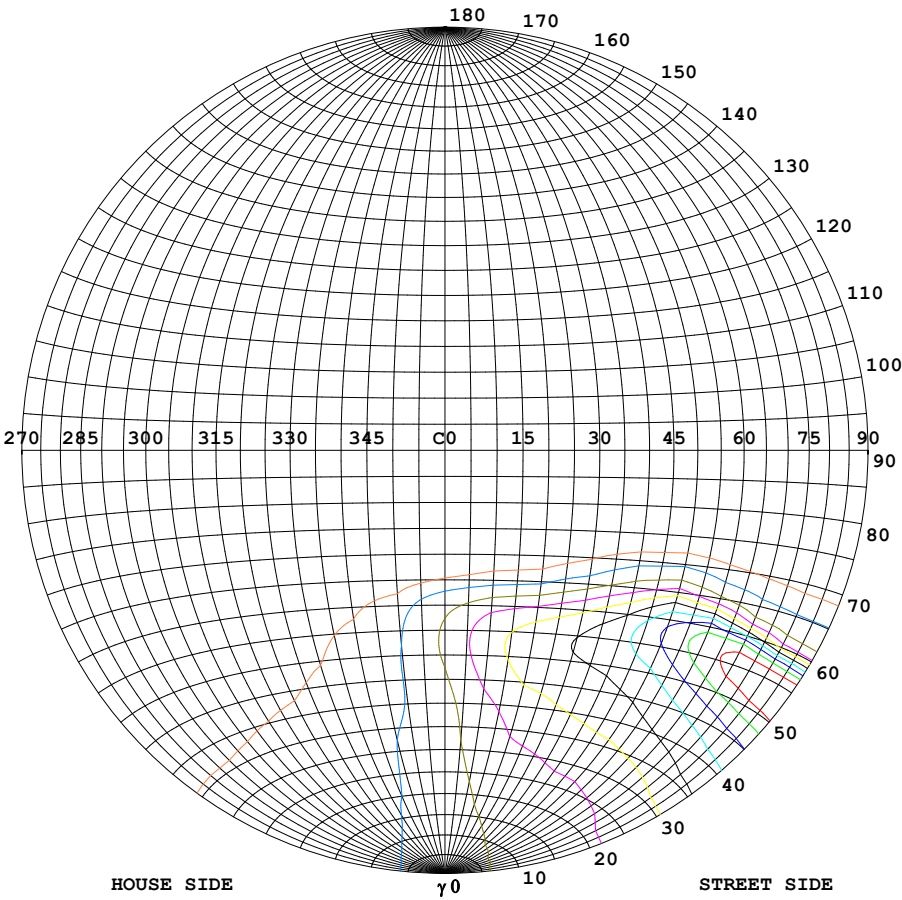
DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.00 lm/W			
MODEL	/	I <sub>max</sub> (cd)	105589	η <sub>street_up</sub> (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η <sub>street_down</sub> (%)	86.1
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	97231	η <sub>house_up</sub> (%)	0.0
NOMINAL FLUX (lm)	97230.9	MAXIMUM @ (C, γ )	90,54.0	η <sub>house_down</sub> (%)	13.9
LAMPS INSIDE	1	η <sub>up</sub> (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η <sub>down</sub> (%)	100.0	SLI	



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2023-04-28

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=0.4556]  
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

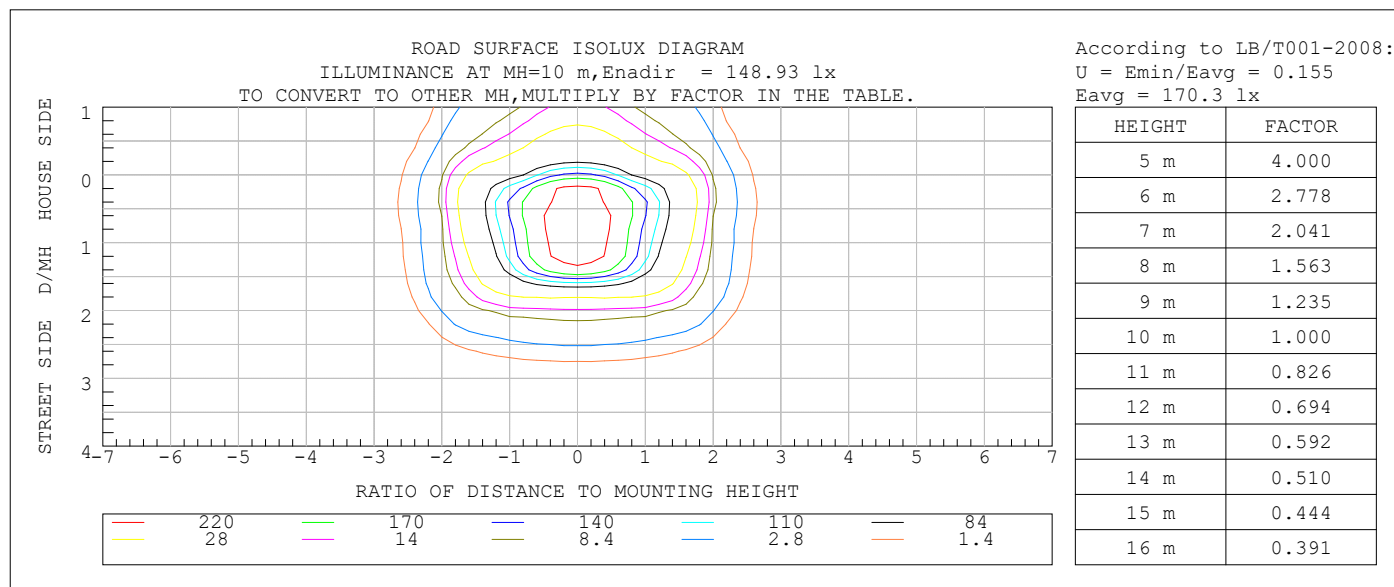
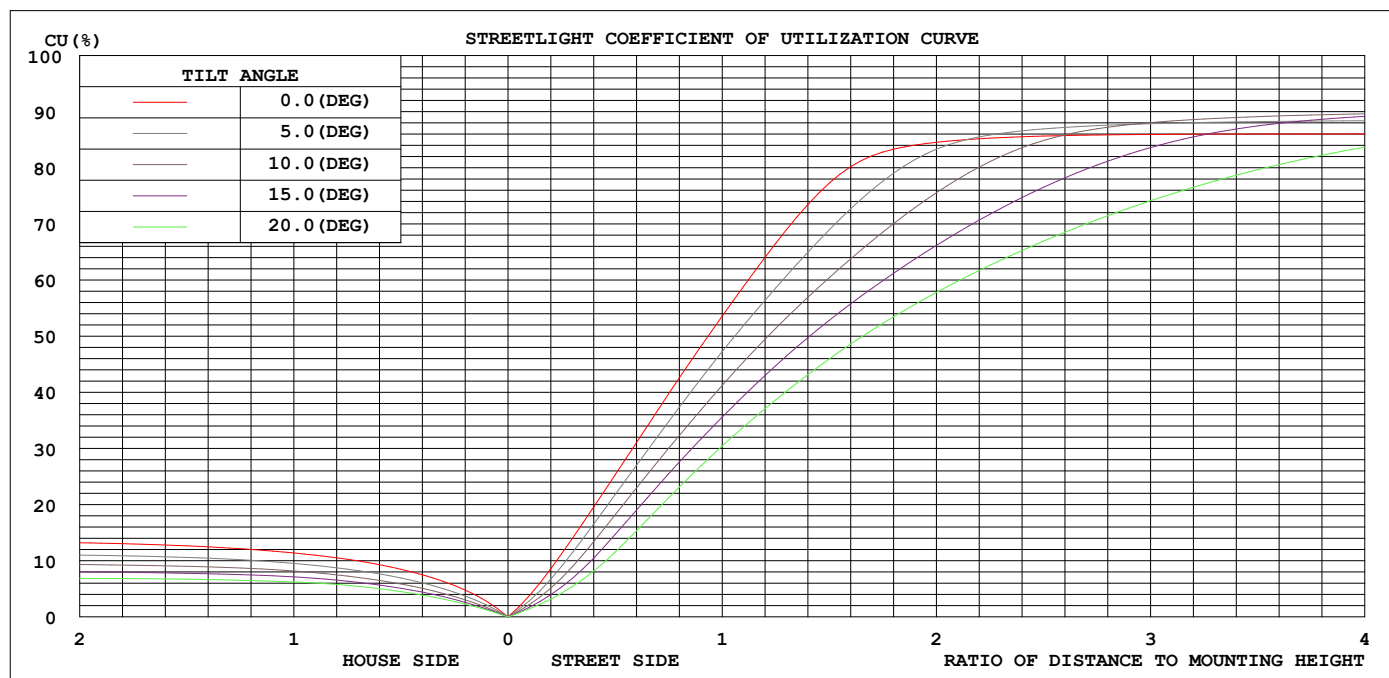


Classification:  
IES:Type II - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:12.32cd/klm  
Max.At90:0cd/klm  
Max.80-90:12.32cd/klm  
NRB 5101:Limited[1.4%]

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		105589
90%		95030
80%		84471
70%		73912
60%		63354
50%		52795
40%		42236
30%		31677
20%		21118
10%		10559
5%		5279

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-28

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=0.4556]  
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: 2023-04-28

$\gamma$  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=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

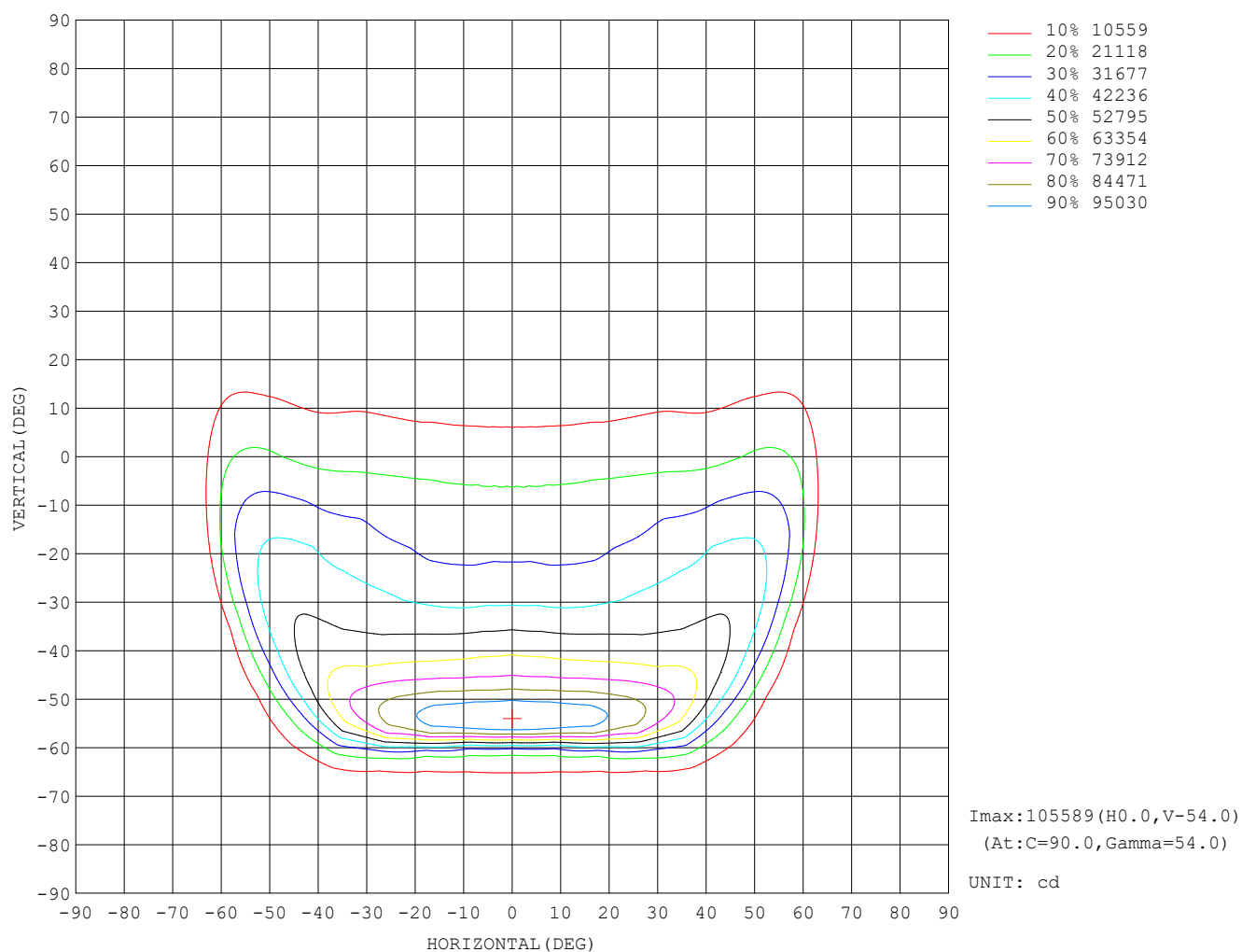
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	151.9	223.8	241.4	223.8	151.9	100.8	87.81	100.8	0- 10	1478	1478	1.52,1.52
20	161.3	276.7	304.1	276.7	161.3	77.88	69.06	77.88	10- 20	4787	6264	6.44,6.44
30	170.9	334.7	411.8	334.7	170.9	66.37	59.79	66.37	20- 30	8768	15032	15.5,15.5
40	178.3	460.8	615.4	460.8	178.3	55.55	50.21	55.55	30- 40	14579	29611	30.5,30.5
50	223.3	581.7	940.5	581.7	223.3	41.50	45.84	41.50	40- 50	23103	52713	54.2,54.2
60	175.4	611.4	340.8	611.4	175.4	31.10	29.34	31.10	50- 60	31301	84014	86.4,86.4
70	25.61	89.00	33.94	89.00	25.61	17.61	19.71	17.61	60- 70	11527	95542	98.3,98.3
80	5.752	1.198	0.3184	1.198	5.752	3.763	8.056	3.763	70- 80	1534	97075	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	155.7	97231	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: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2023-04-28

$\gamma$  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=0.4556]  
 Remarks:

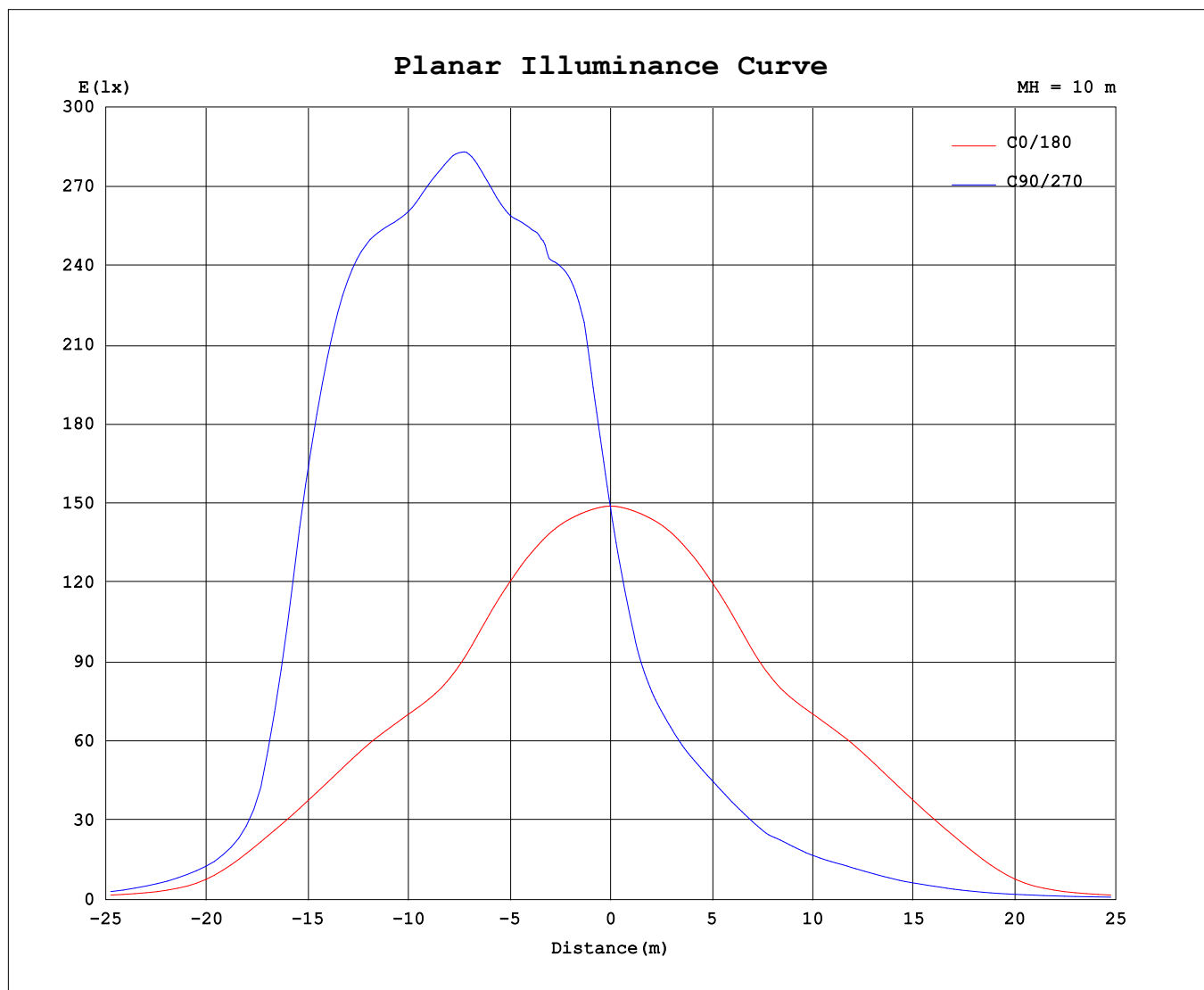
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2023-04-28

$\gamma$  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=0.4556]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2023-04-28

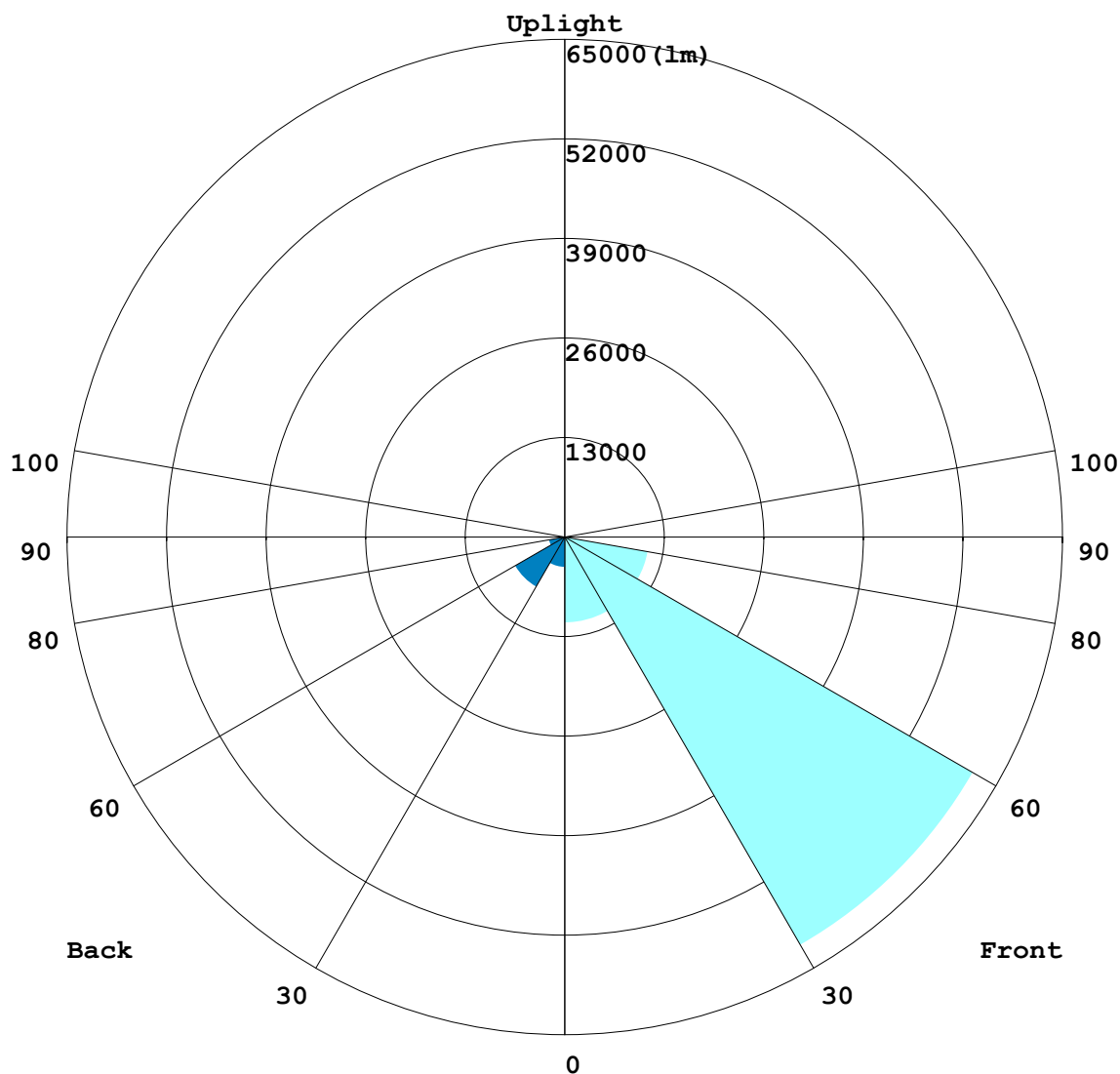
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:3.554A P:803.6W PF:0.983 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:97230.9x1 lm		
NAME: SP04-800-5770-F04014-L39	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:2023-04-28

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=0.4556]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

Test:U:230.0V I:3.554A P:803.6W PF:0.983 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:97230.9x1 lm		
NAME: SP04-800-5770-F04014-L39	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	11139	11.5
FM - Front-Medium(30-60)	61506	63.3
FH - Front-High(60-80)	10980	11.3
FVH - Front-Very High(80-90)	44.928	0.0
Total Forward Light	83670	86.1

BL - Back-Low(0-30)	3892.4	4.0
BM - Back-Medium(30-60)	7476.9	7.7
BH - Back-High(60-80)	2080.9	2.1
BVH - Back-Very High(80-90)	110.73	0.1
Total Back Light	13561	13.9

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13561	0	13561
Street Side	83670	0	83670

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-28

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=0.4556]  
Remarks:

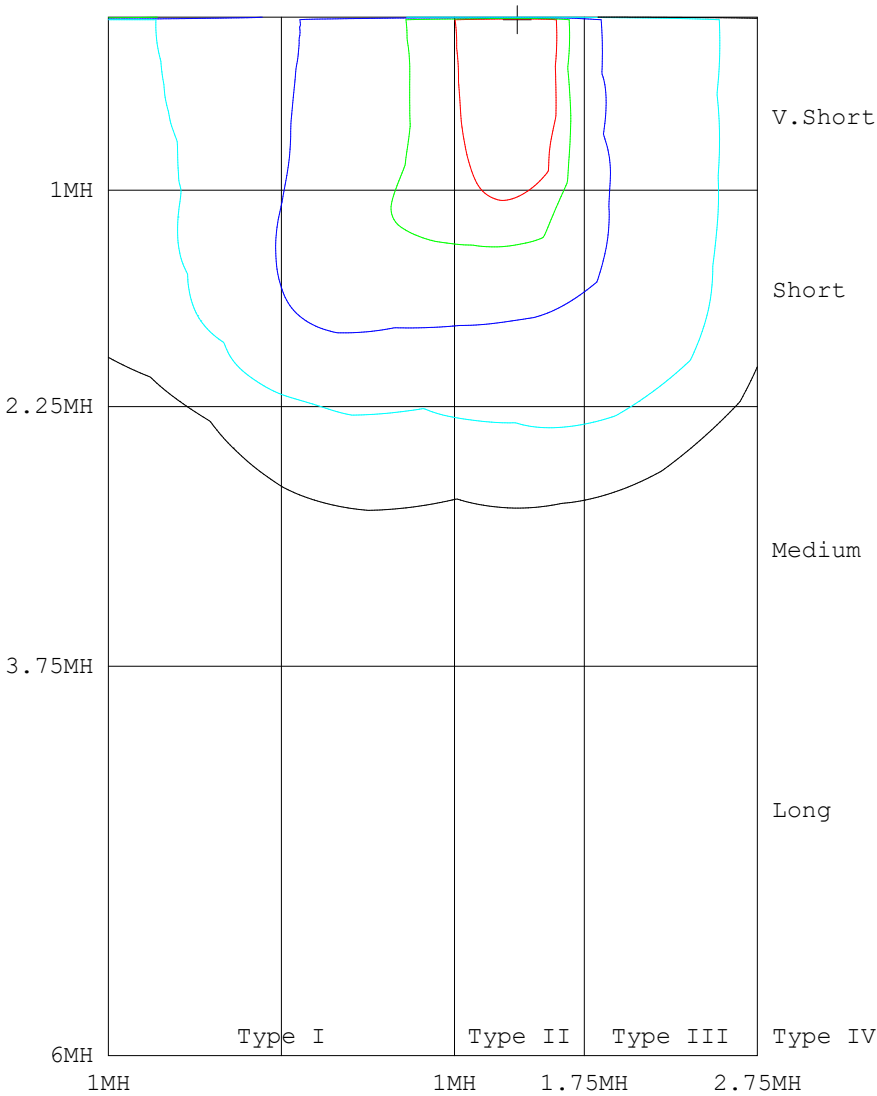


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:3.554A P:803.6W PF:0.983 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:97230.9x1 lm		
NAME: SP04-800-5770-F04014-L39	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℃  
Operators:LYJ  
Test Date:2023-04-28

Pavement

Road

Range:21096 90DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks: