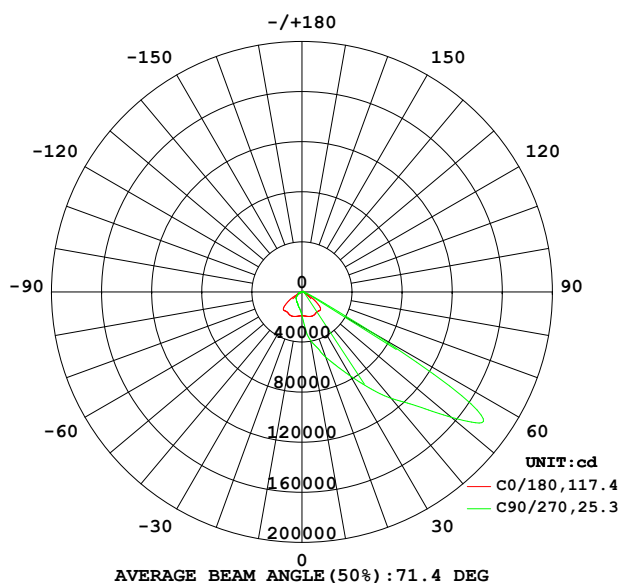
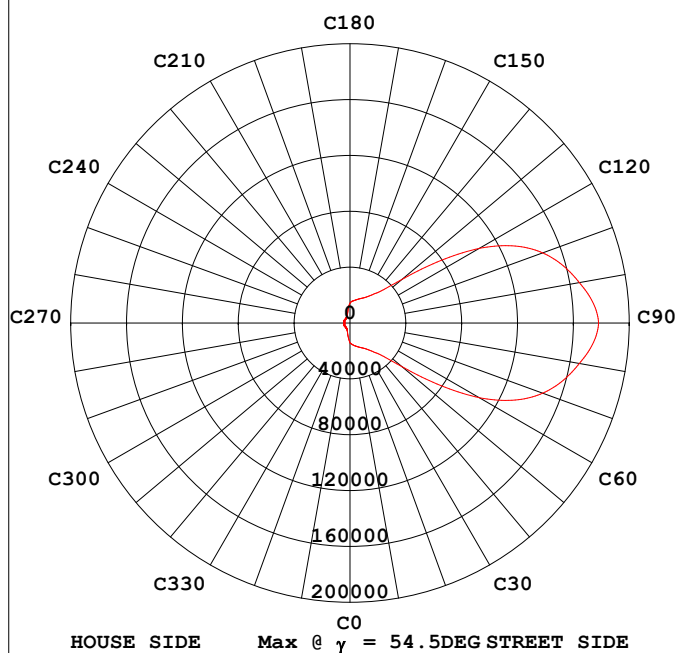


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:4.249A P:962.5W PF:0.985 Freq:580.0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:122250x1 lm		
NAME: SP04-960-5770-F04013-L39	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

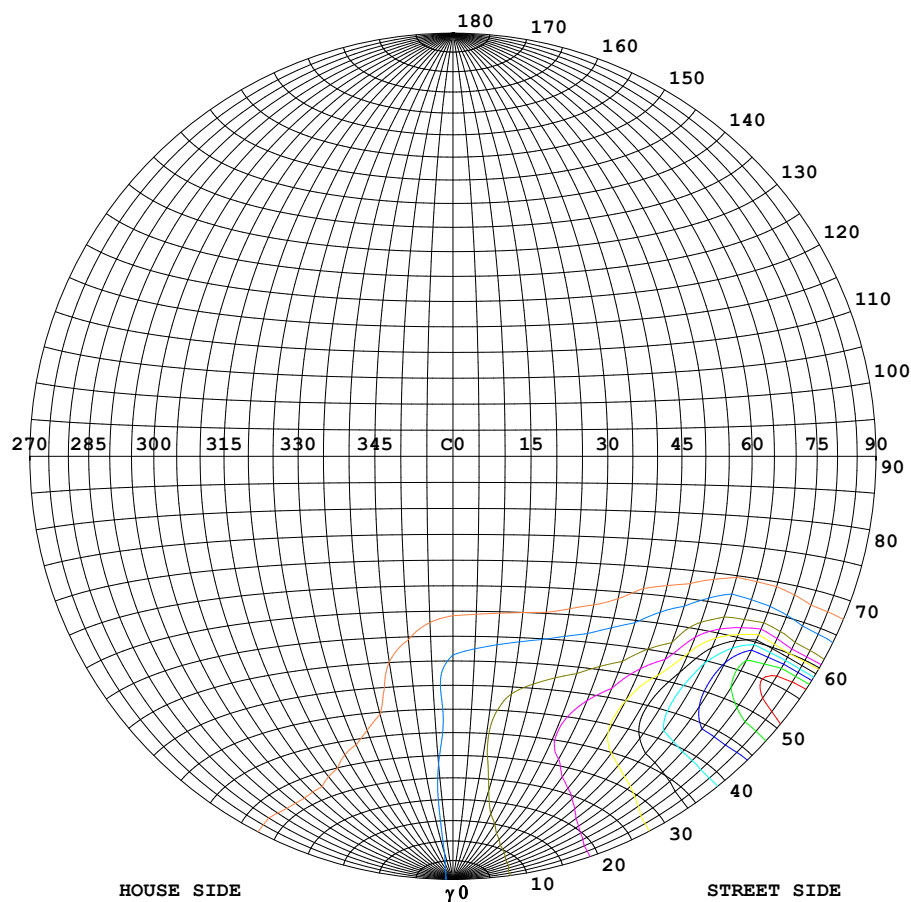
DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.02 lm/W			
MODEL	/	I <sub>max</sub> (cd)	178023	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	87.1
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	122250	η house_up (%)	0.0
NOMINAL FLUX (lm)	122250	MAXIMUM @ (C, γ )	90,54.5	η house_down (%)	12.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-25

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



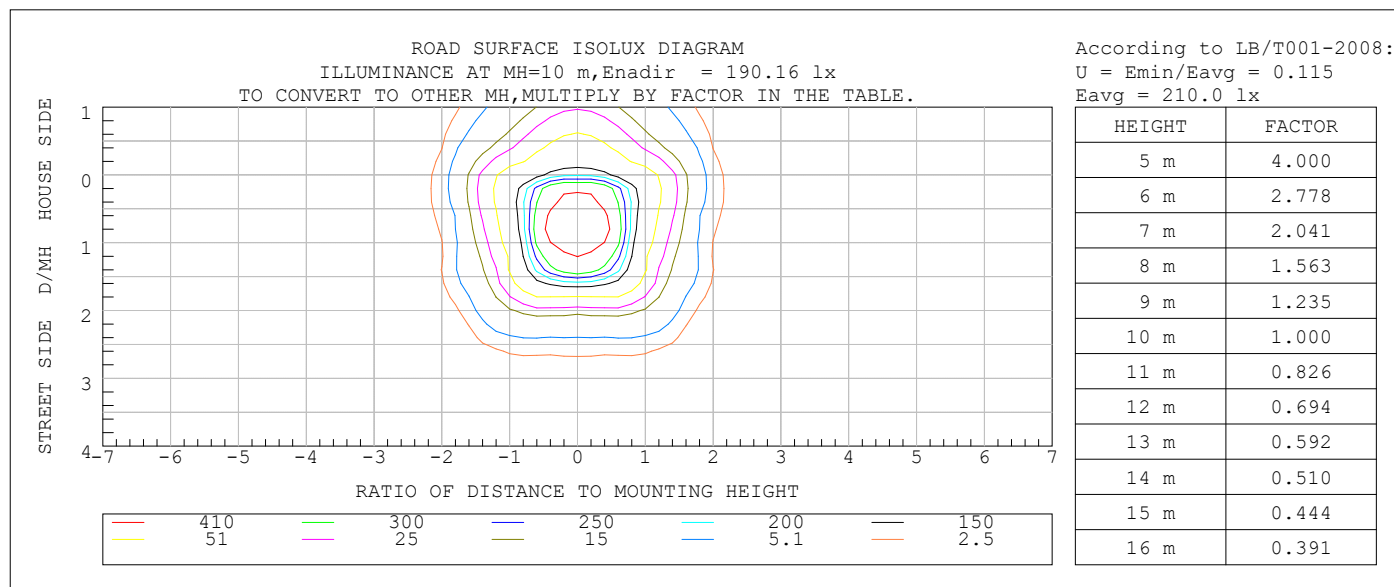
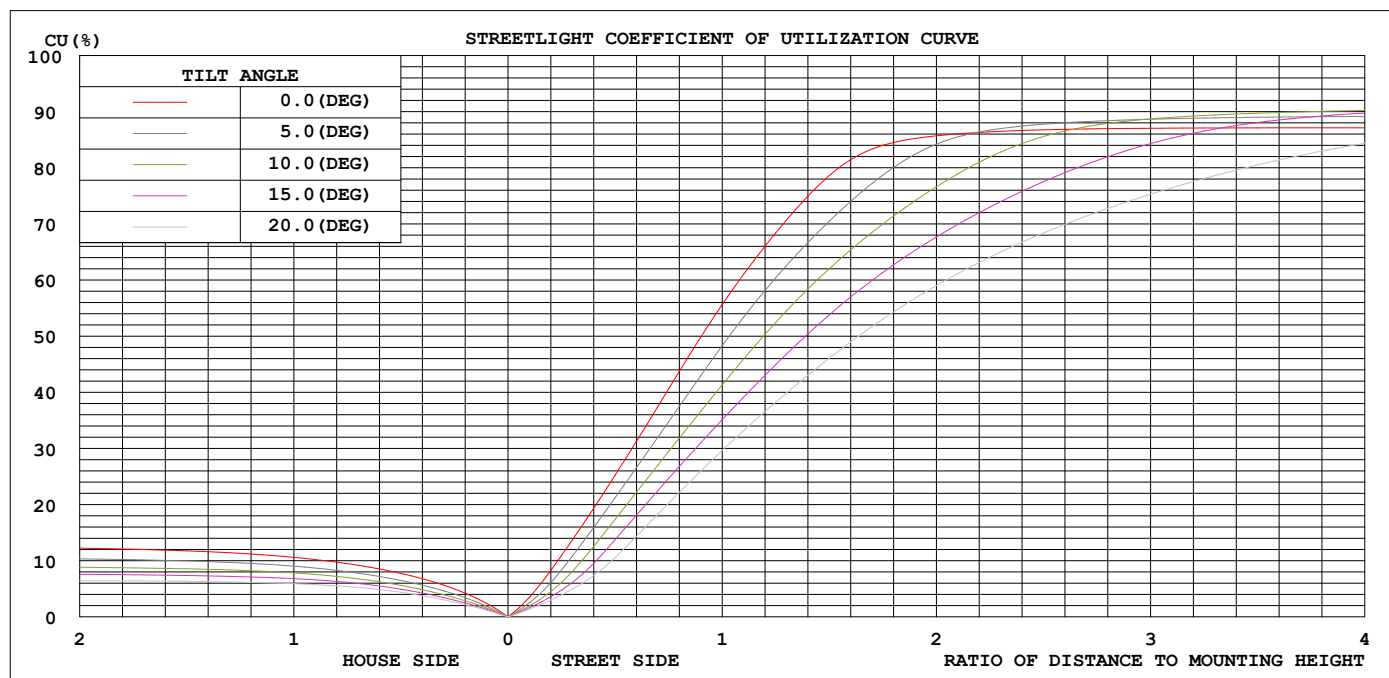
## Classification:

IES:Type II - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:7.584cd/klm  
Max.At90:0cd/klm  
Max.80-90:7.584cd/klm  
NRB 5101:Limited[1.5%]

ISOCANDELA DIAGRAM		
UNIT	cd	
Imax=100%	178023	
90%	160220	
80%	142418	
70%	124616	
60%	106814	
50%	89011	
40%	71209	
30%	53407	
20%	35605	
10%	17802	
5%	8901	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-25

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: 2023-04-25

$\gamma$  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

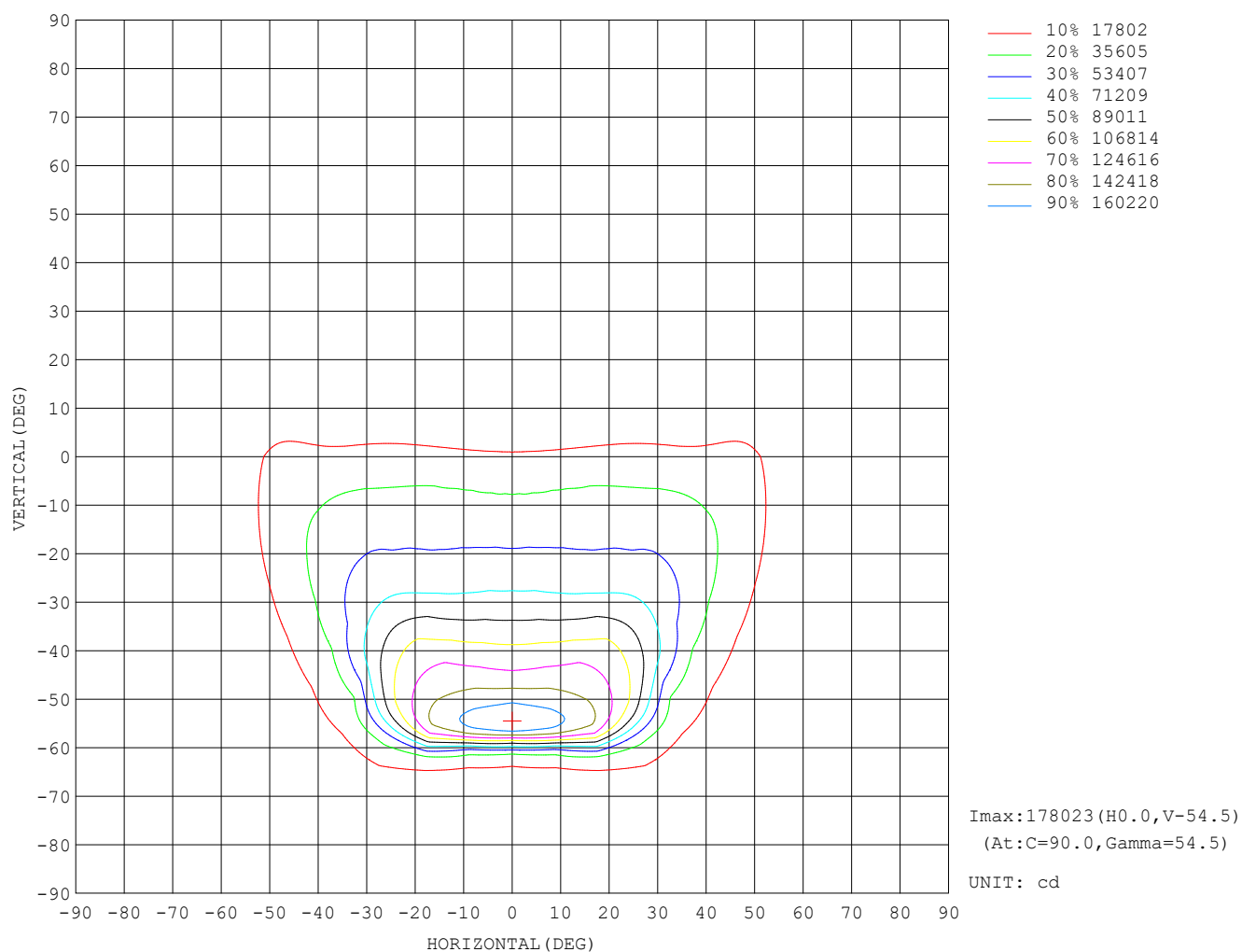
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	197.1	353.3	391.2	353.3	197.1	137.7	128.2	137.7	0- 10	2066	2066	1.69,1.69
20	207.6	474.6	553.0	474.6	207.6	111.9	99.72	111.9	10- 20	7509	9575	7.83,7.83
30	206.2	578.5	775.2	578.5	206.2	86.45	85.44	86.45	20- 30	14369	23944	19.6,19.6
40	201.1	724.5	1109	724.5	201.1	68.46	71.40	68.46	30- 40	23437	47381	38.8,38.8
50	188.1	589.5	1557	589.5	188.1	52.55	53.96	52.55	40- 50	32774	80155	65.6,65.6
60	74.24	215.0	653.5	215.0	74.24	34.26	34.13	34.26	50- 60	32010	112166	91.8,91.8
70	21.33	39.46	49.79	39.46	21.33	14.00	27.60	14.00	60- 70	8545	120710	98.7,98.7
80	5.803	1.141	0.4409	1.141	5.803	3.676	7.106	3.676	70- 80	1395	122106	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	144.6	122250	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:2023-04-25

$\gamma$  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:

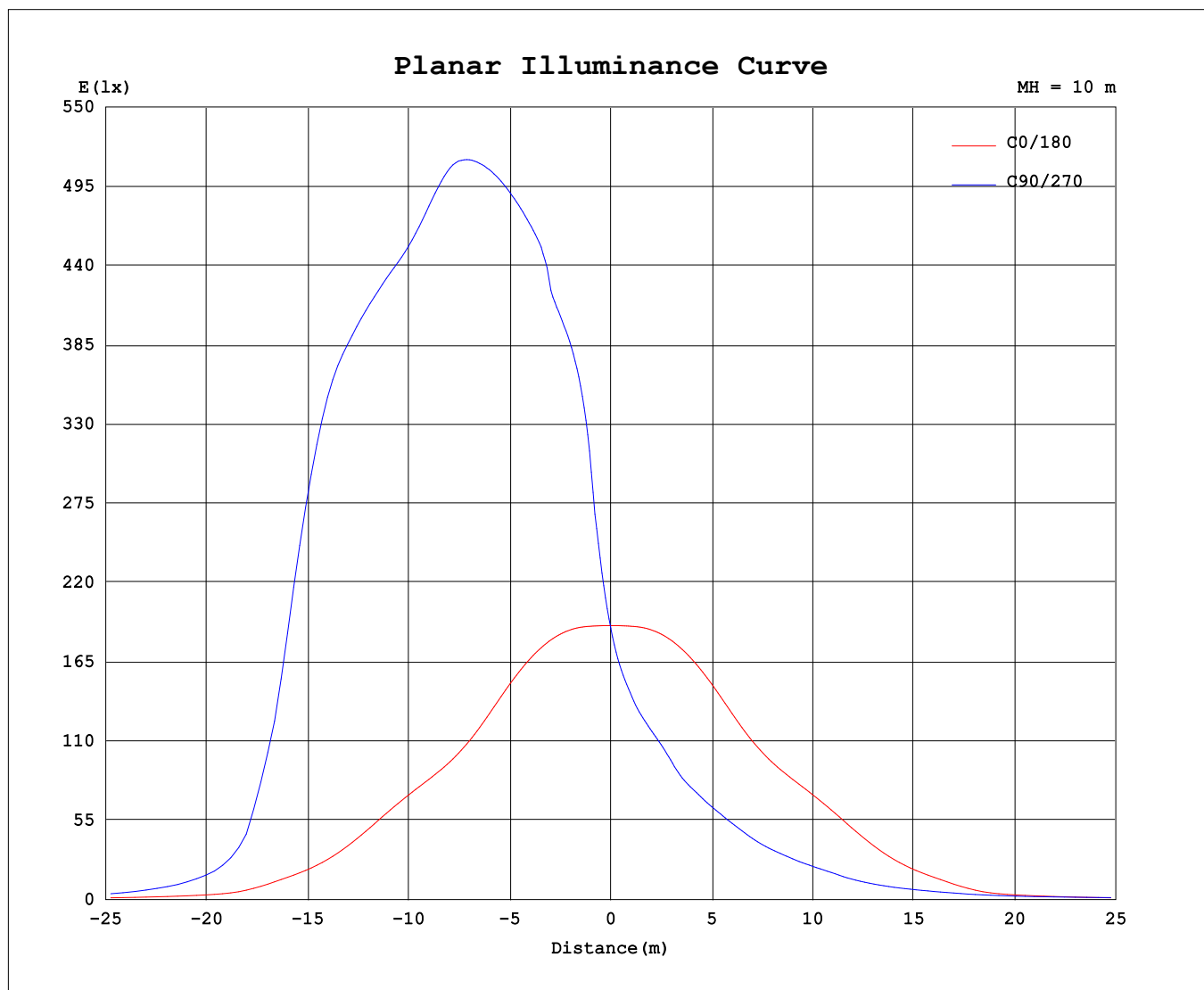
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-25

$\gamma$  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: 2023-04-25

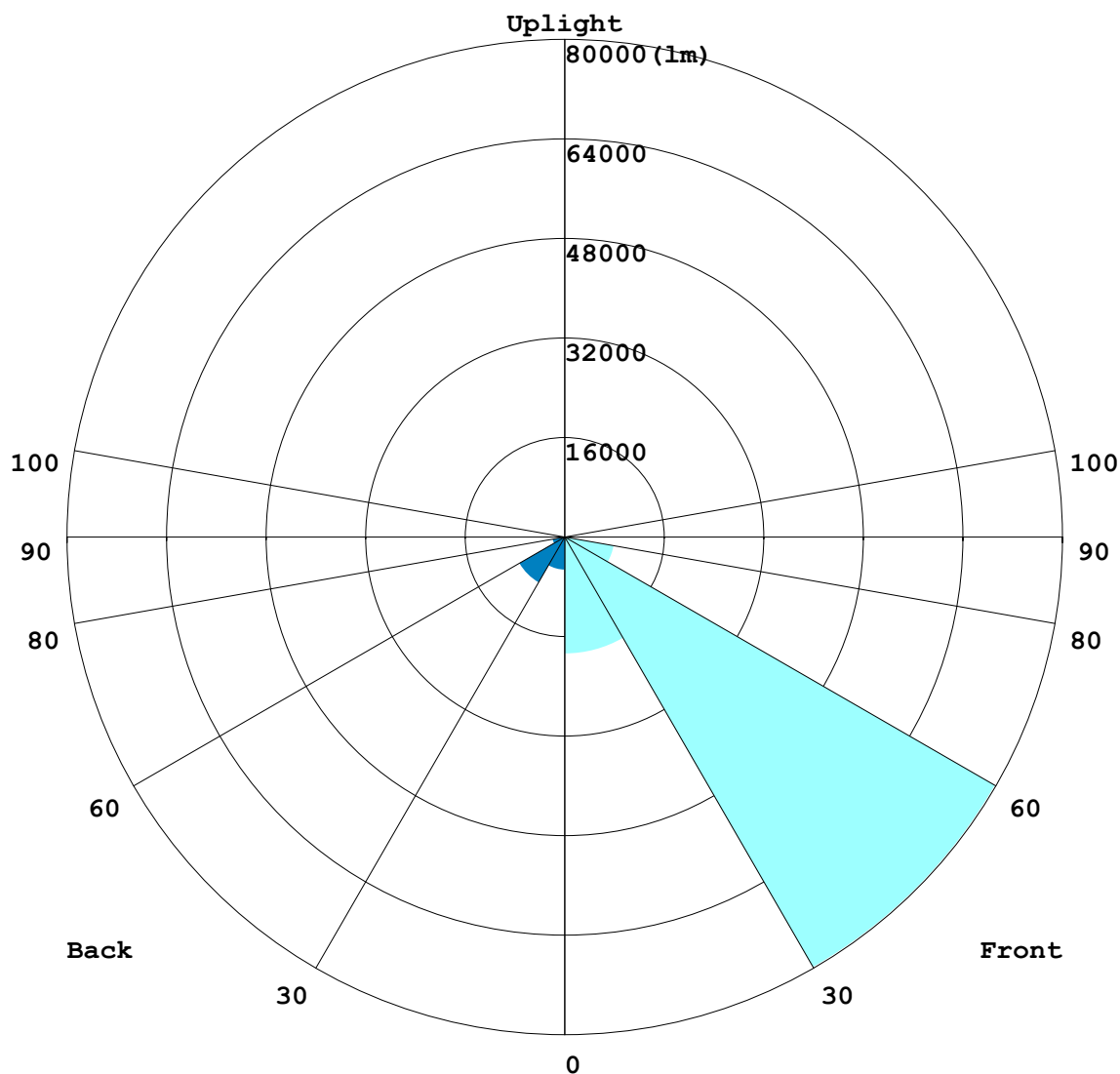
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:4.249A P:962.5W PF:0.985 Freq:580.0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:122250x1 lm		
NAME: SP04-960-5770-F04013-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:2023-04-25

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:4.249A P:962.5W PF:0.985 Freq:580.0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:122250x1 lm		
NAME: SP04-960-5770-F04013-L39	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	18705	15.3
FM - Front-Medium(30-60)	79812	65.3
FH - Front-High(60-80)	7973.3	6.5
FVH - Front-Very High(80-90)	43.926	0.0
Total Forward Light	1.0653e+005	87.1

BL - Back-Low(0-30)	5238.8	4.3
BM - Back-Medium(30-60)	8409.6	6.9
BH - Back-High(60-80)	1966.8	1.6
BVH - Back-Very High(80-90)	100.72	0.1
Total Back Light	15716	12.9

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15716	0	15716
Street Side	1.0653e+005	0	1.0653e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-25

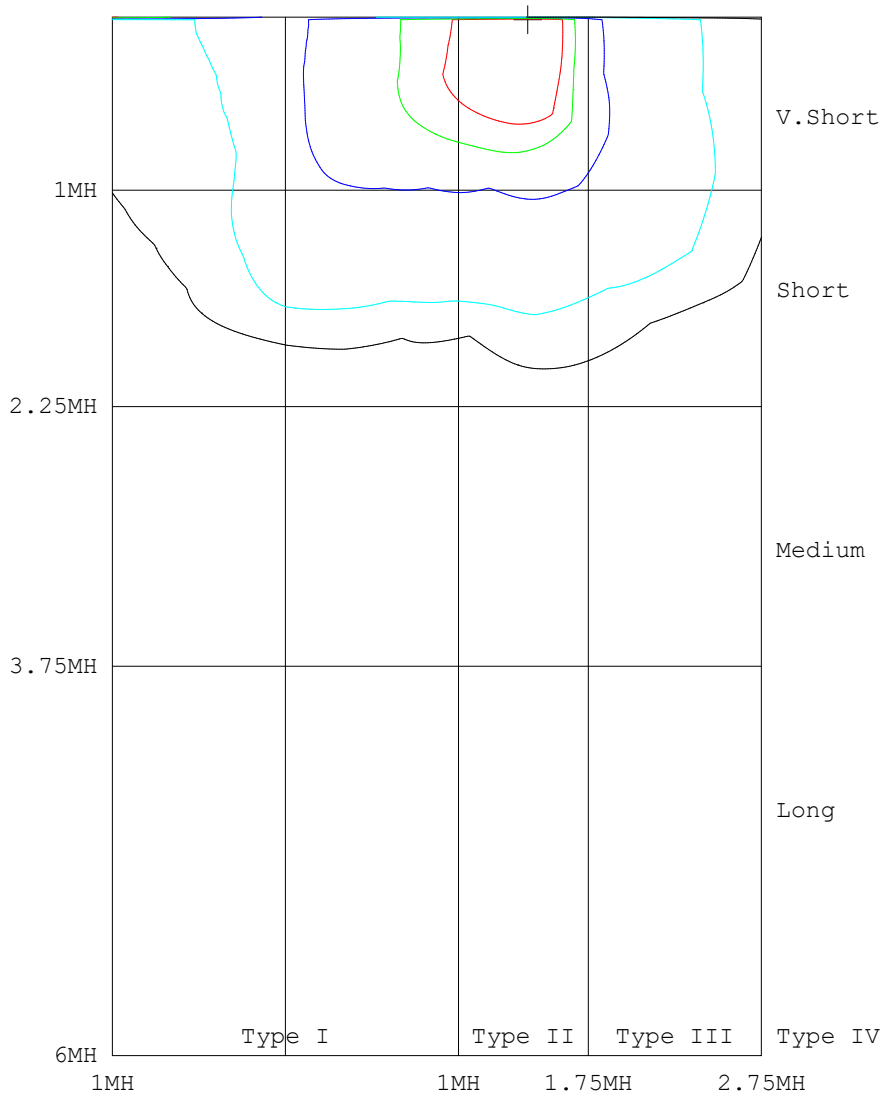
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:230.0V I:4.249A P:962.5W PF:0.985 Freq:580.0Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:122250x1 lm		
NAME: SP04-960-5770-F04013-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:2023-04-25

Pavement  
70% 1.2415e+005 50% 88675  
Road  
50% 88675 5% 4433.8  
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-25

γ Range: 35070 - 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: