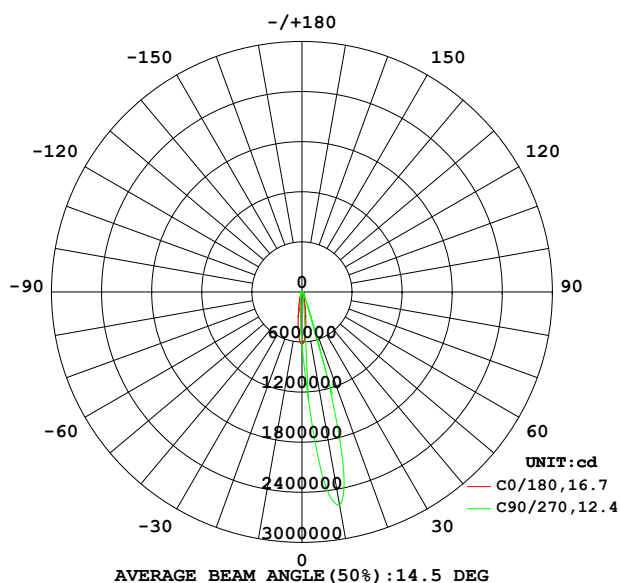
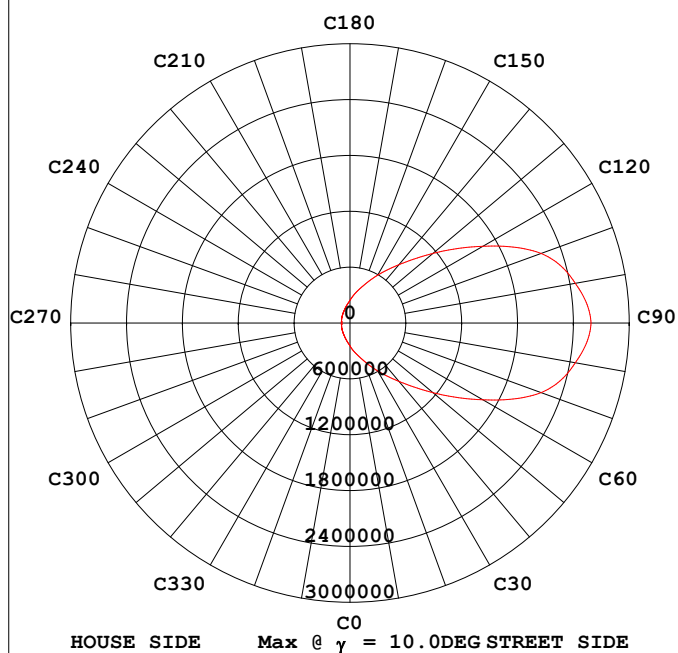


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:7.842A P:1800.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:228024x1 lm		
NAME: SP04-1K8-5770-F04002X+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

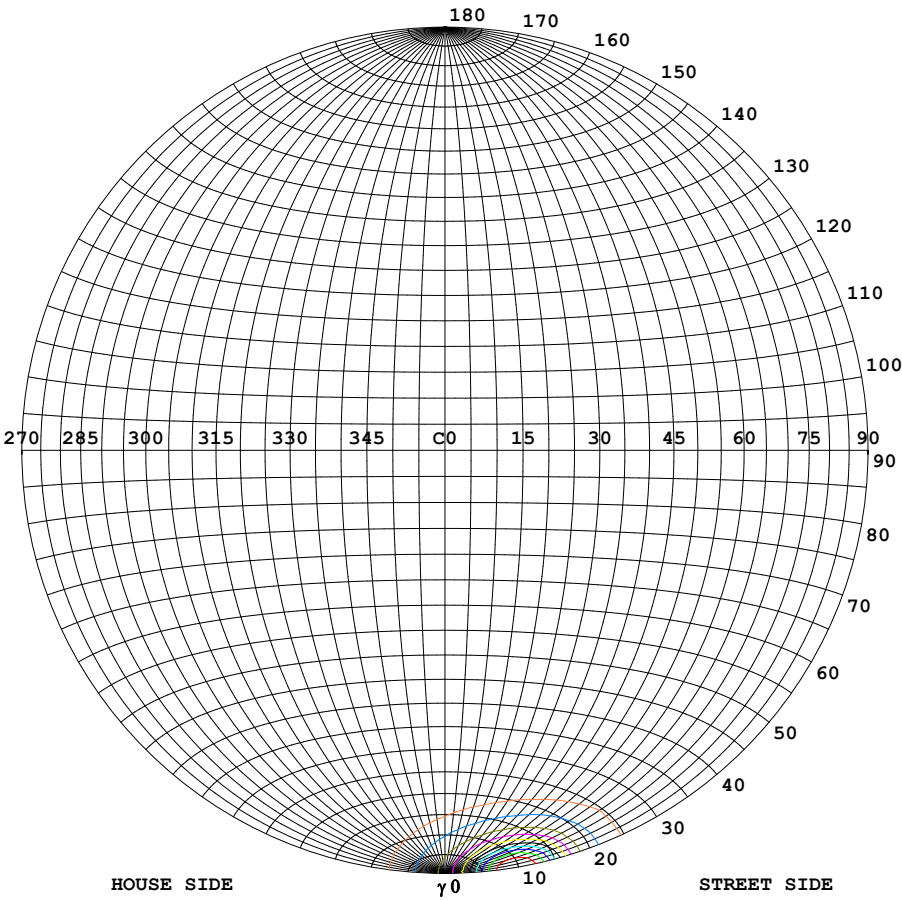
DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.68 lm/W			
MODEL	/	I <sub>max</sub> (cd)	2589157	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	78.9
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	228024	η house_up(%)	0.0
NOMINAL FLUX(lm)	228024	MAXIMUM @ (C,γ )	90,10.0	η house_down(%)	21.1
LAMPS INSIDE	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:2023-02-28

γ Range: 0 - 180DEG  
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

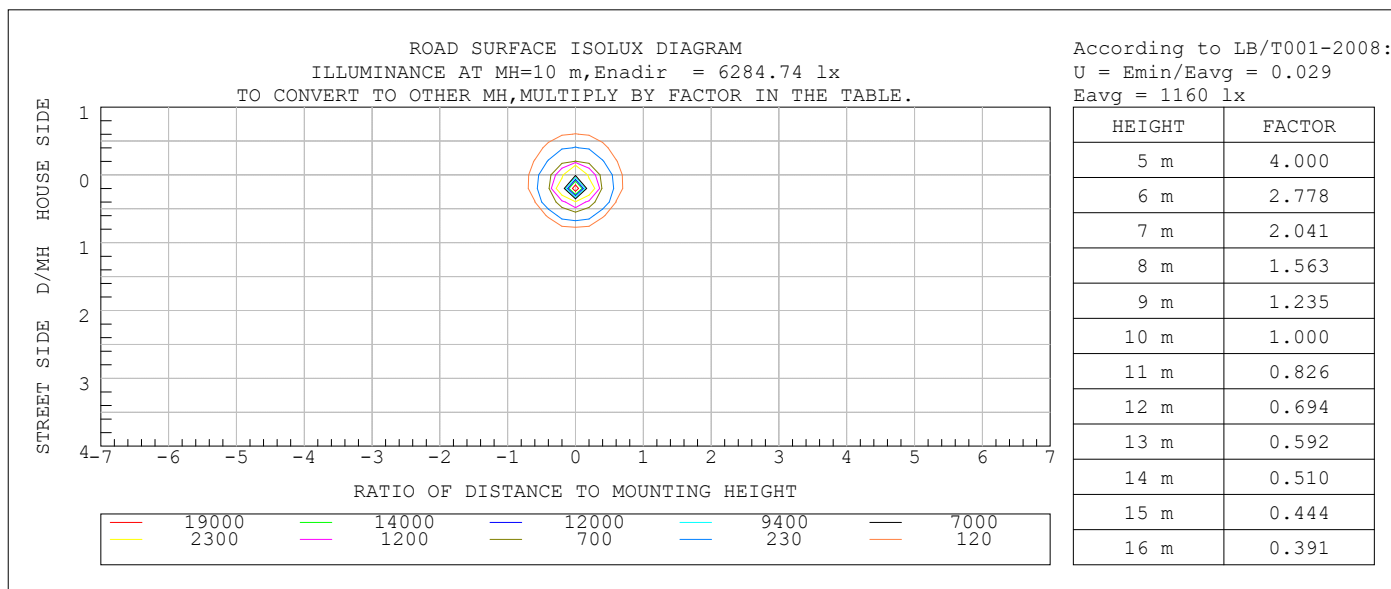
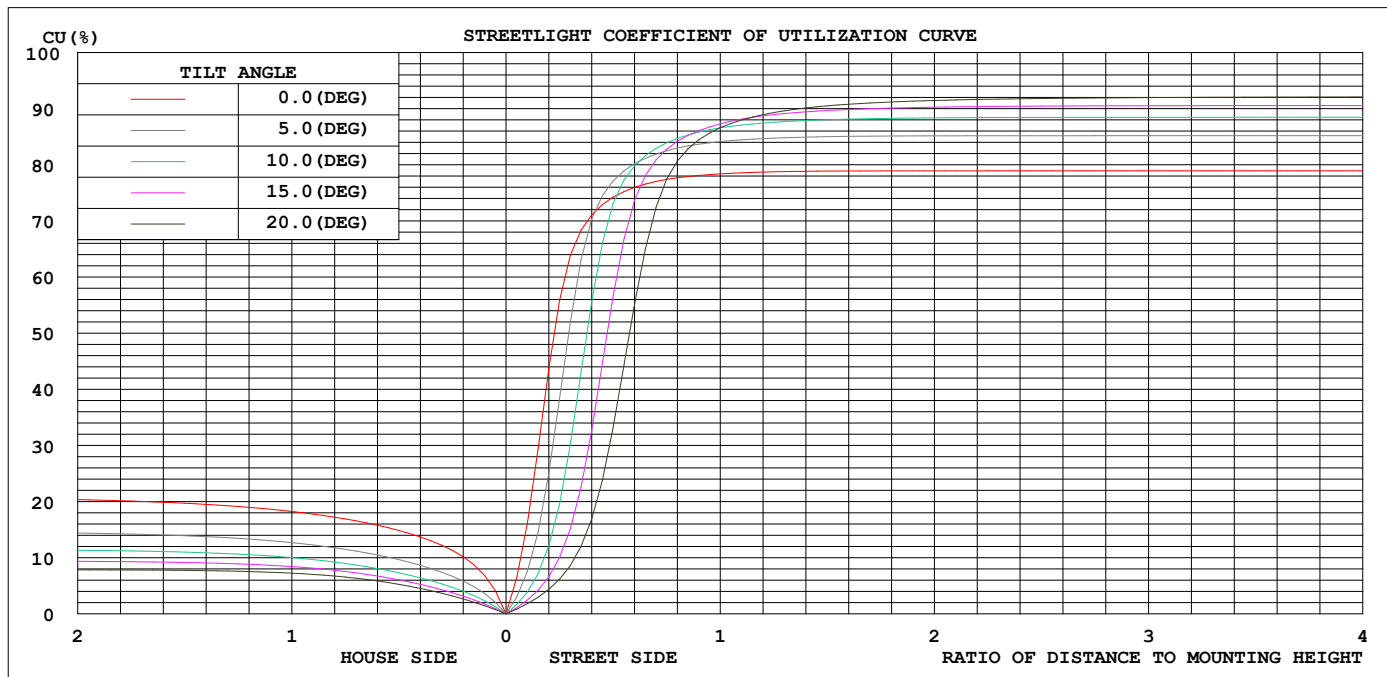


Classification:

IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:6.230cd/klm  
Max.At90:0cd/klm  
Max.80-90:6.230cd/klm  
NRB 5101:Limited[1.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2589157
90%	2330241
80%	2071325
70%	1812410
60%	1553494
50%	1294578
40%	1035663
30%	776747
20%	517831
10%	258916
5%	129458

C Range: 0 - 360DEG	$\gamma$ Range: 0 - 180DEG
C Interval: 10.0DEG	$\gamma$ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Temperature:25.3°C	Humidity:65.0%
Operators:LYJ	Test Distance:26.000m [K=0.4556]
Test Date:2023-02-28	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: 2023-02-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

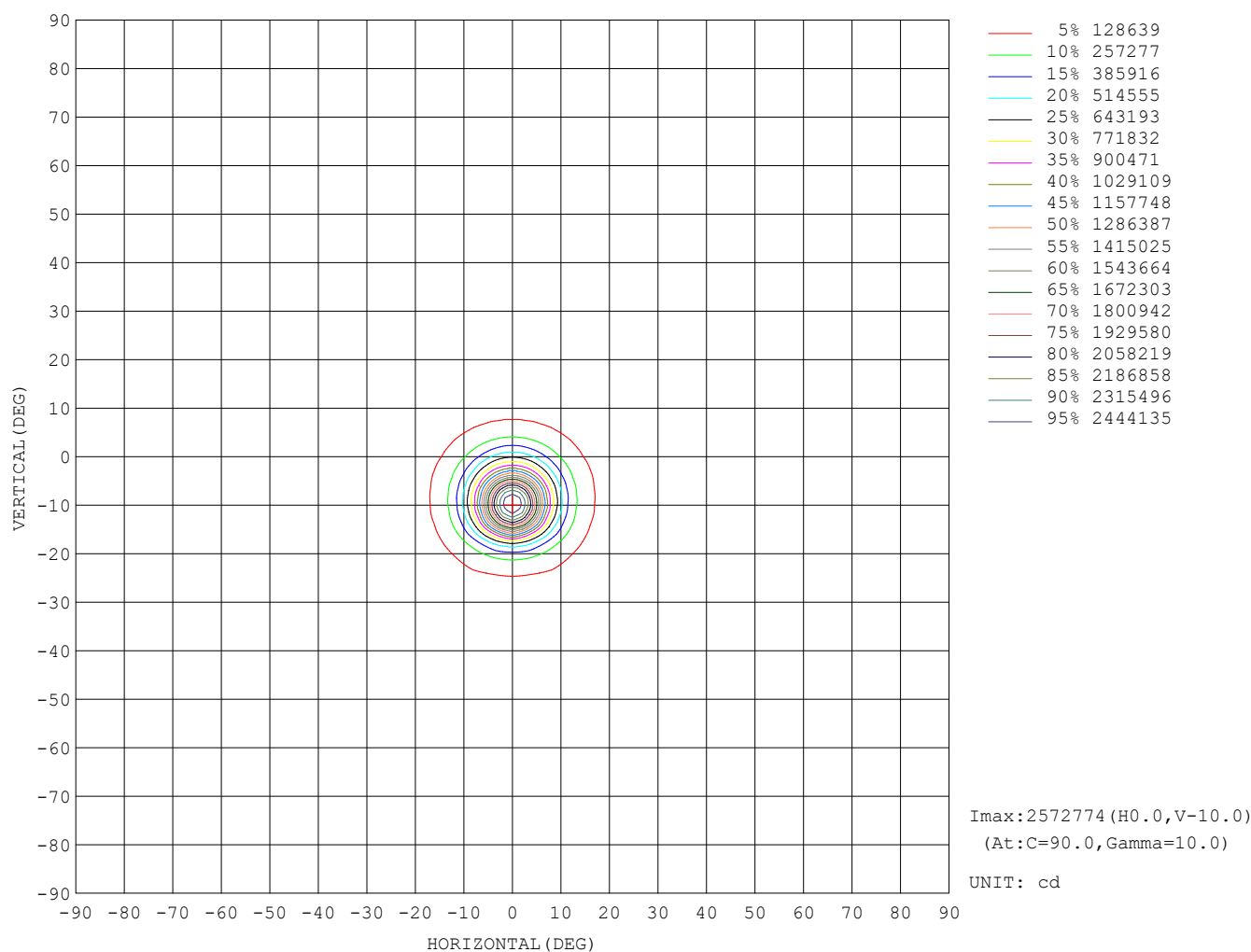
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	244.4	990.6	2589	990.6	244.4	116.6	92.39	116.6	0- 10	67701	67701	29.7,29.7
20	66.07	180.3	358.6	180.3	66.07	37.86	33.28	37.86	10- 20	96055	163756	71.8,71.8
30	25.76	48.22	57.68	48.22	25.76	20.87	20.21	20.87	20- 30	27952	191708	84.1,84.1
40	15.66	16.10	16.07	16.10	15.66	14.80	14.66	14.80	30- 40	14081	205789	90.2,90.2
50	11.14	7.263	4.264	7.263	11.14	11.80	11.71	11.80	40- 50	9411	215200	94.4,94.4
60	7.312	2.623	0.0262	2.623	7.312	8.913	8.031	8.913	50- 60	6785	221985	97.4,97.4
70	3.736	0.2824	0.0022	0.2824	3.736	4.805	4.368	4.805	60- 70	4076	226061	99.1,99.1
80	0.9284	0.0296	0.0038	0.0296	0.9284	1.324	1.173	1.324	70- 80	1699	227760	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	264.0	228024	100,100
100	0	0	0	0	0	0	0	0	90-100	0	228024	100,100
110	0	0	0	0	0	0	0	0	100-110	0	228024	100,100
120	0	0	0	0	0	0	0	0	110-120	0	228024	100,100
130	0	0	0	0	0	0	0	0	120-130	0	228024	100,100
140	0	0	0	0	0	0	0	0	130-140	0	228024	100,100
150	0	0	0	0	0	0	0	0	140-150	0	228024	100,100
160	0	0	0	0	0	0	0	0	150-160	0	228024	100,100
170	0	0	0	0	0	0	0	0	160-170	0	228024	100,100
180	0	0	0	0	0	0	0	0	170-180	0	228024	100,100
DEG	LUMINOUS INTENSITY:X1000cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:LYJ  
 Test Date:2023-02-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4556]  
 Remarks:

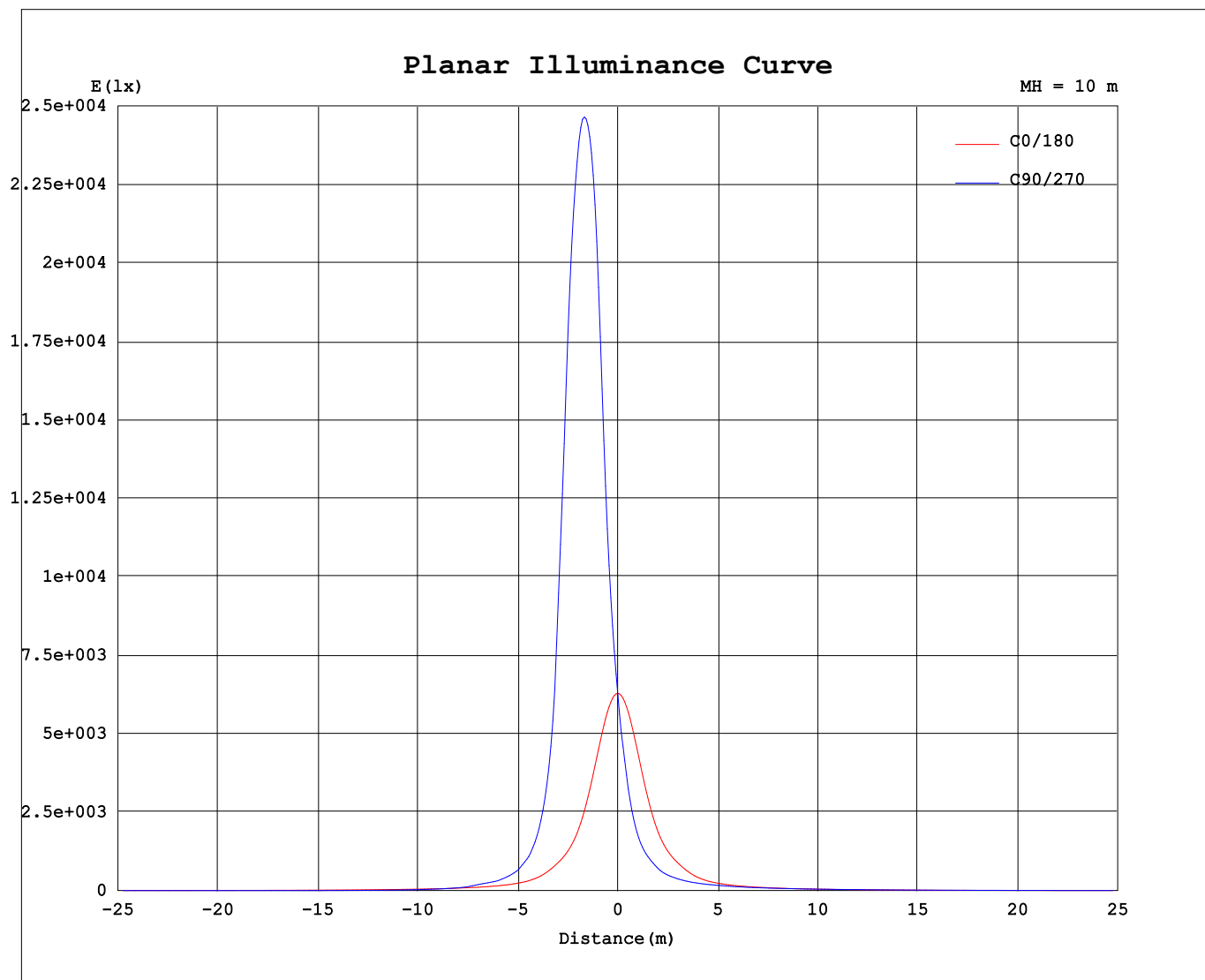
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-02-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: 2023-02-28

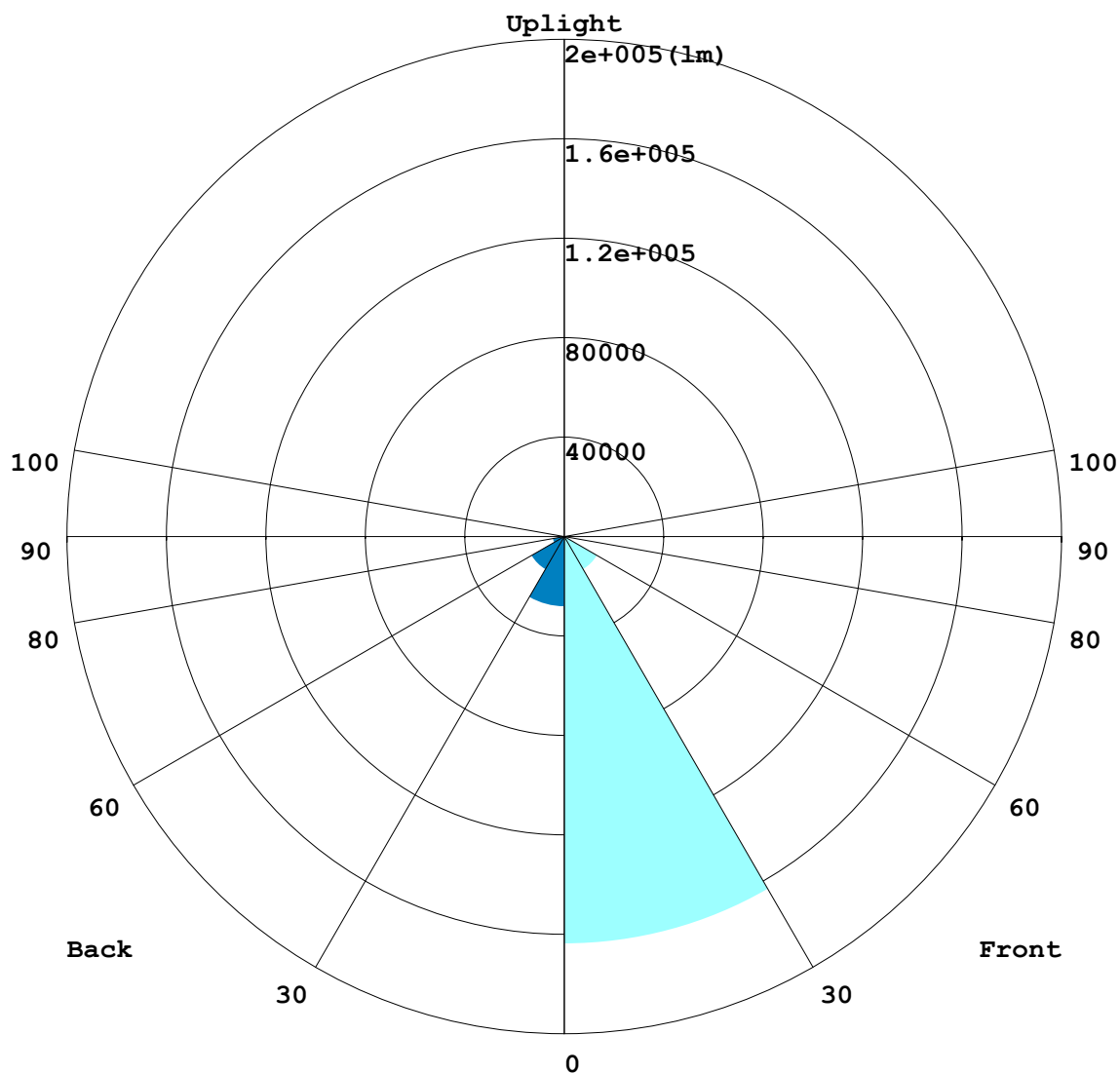
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:7.842A P:1800.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:228024x1 lm		
NAME: SP04-1K8-5770-F04002X+L130	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:2023-02-28

γ Range: 0 - 180DEG  
 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:7.842A P:1800.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:228024x1 lm		
NAME: SP04-1K8-5770-F04002X+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1.6365e+005	71.8
FM - Front-Medium(30-60)	15129	6.6
FH - Front-High(60-80)	1172	0.5
FVH - Front-Very High(80-90)	27.279	0.0
Total Forward Light	1.7998e+005	78.9

BL - Back-Low(0-30)	28053	12.3
BM - Back-Medium(30-60)	15148	6.6
BH - Back-High(60-80)	4603	2.0
BVH - Back-Very High(80-90)	236.76	0.1
Total Back Light	48041	21.1

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	48041	0	48041
Street Side	1.7998e+005	0	1.7998e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-02-28

γ Range: 0 - 180DEG  
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:

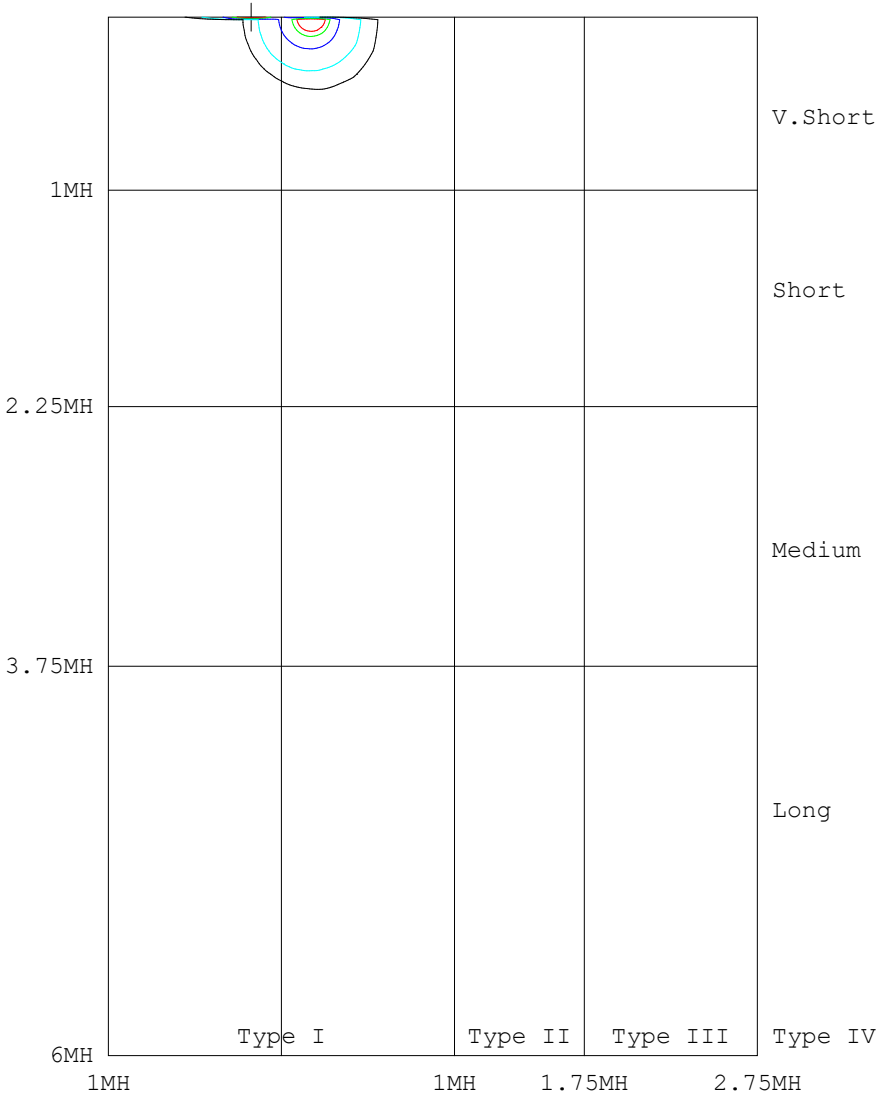


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:7.842A P:1800.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:228024x1 lm		
NAME: SP04-1K8-5770-F04002X+L130	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:2023-02-28

Pavement

Road

70% 1.8013e+006  
50% 1.2866e+006  
25% 1.2866e+005

0% 1.464e+006

5% 1.2866e+005

180DEG

0.5DEG

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