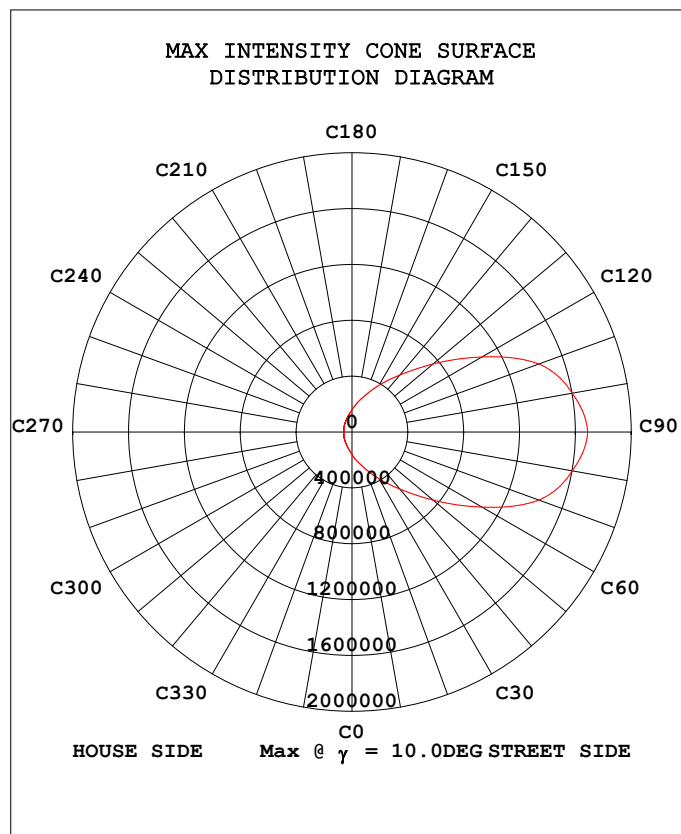
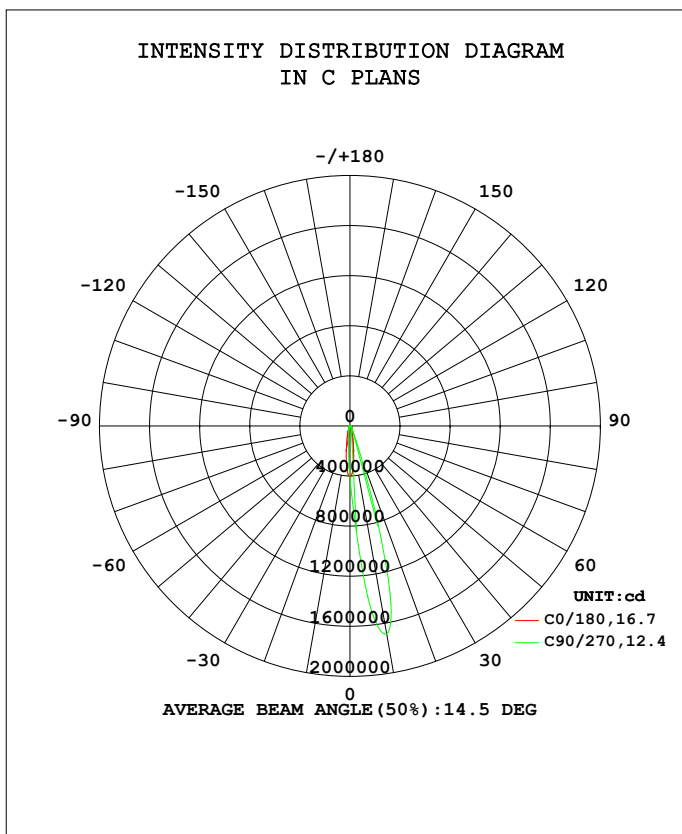


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:5.324A P:1200.0W PF:0.980 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:148585x1 lm		
NAME: SP04-1K2-5770-F04002X+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

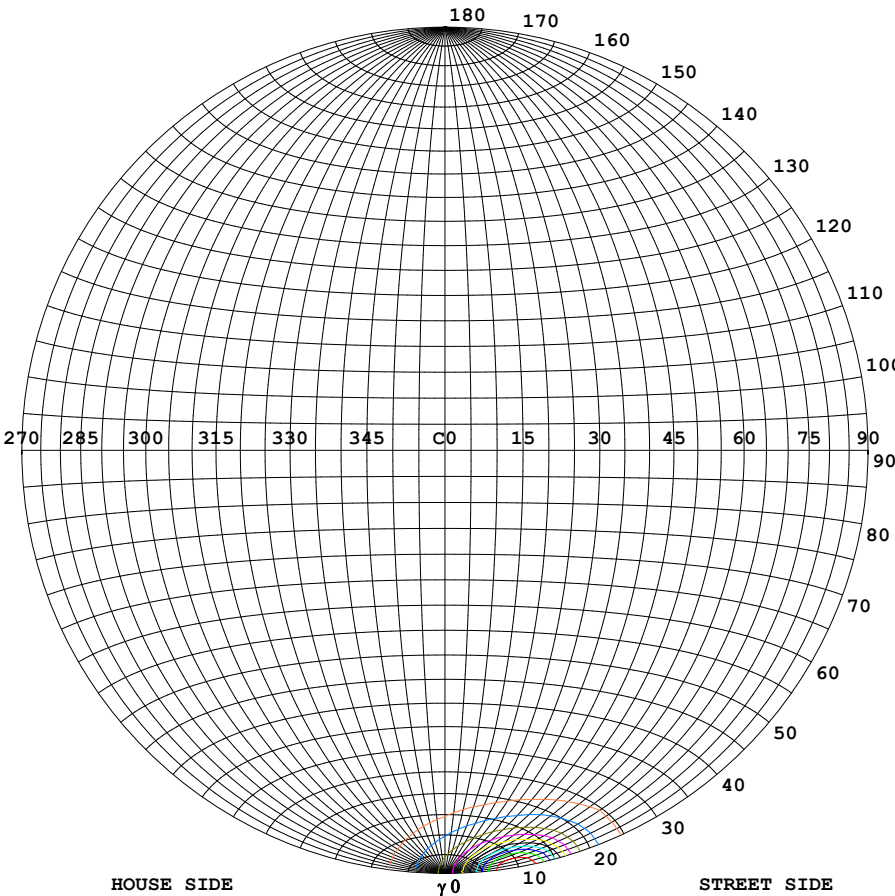
DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.82 lm/W			
MODEL	/	I <sub>max</sub> (cd)	1687145	η <sub>street_up</sub> (%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η <sub>street_down</sub> (%)	78.9
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	148585	η <sub>house_up</sub> (%)	0.0
NOMINAL FLUX(lm)	148585	MAXIMUM @ (C,γ )	90,10.0	η <sub>house_down</sub> (%)	21.1
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℃  
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%]

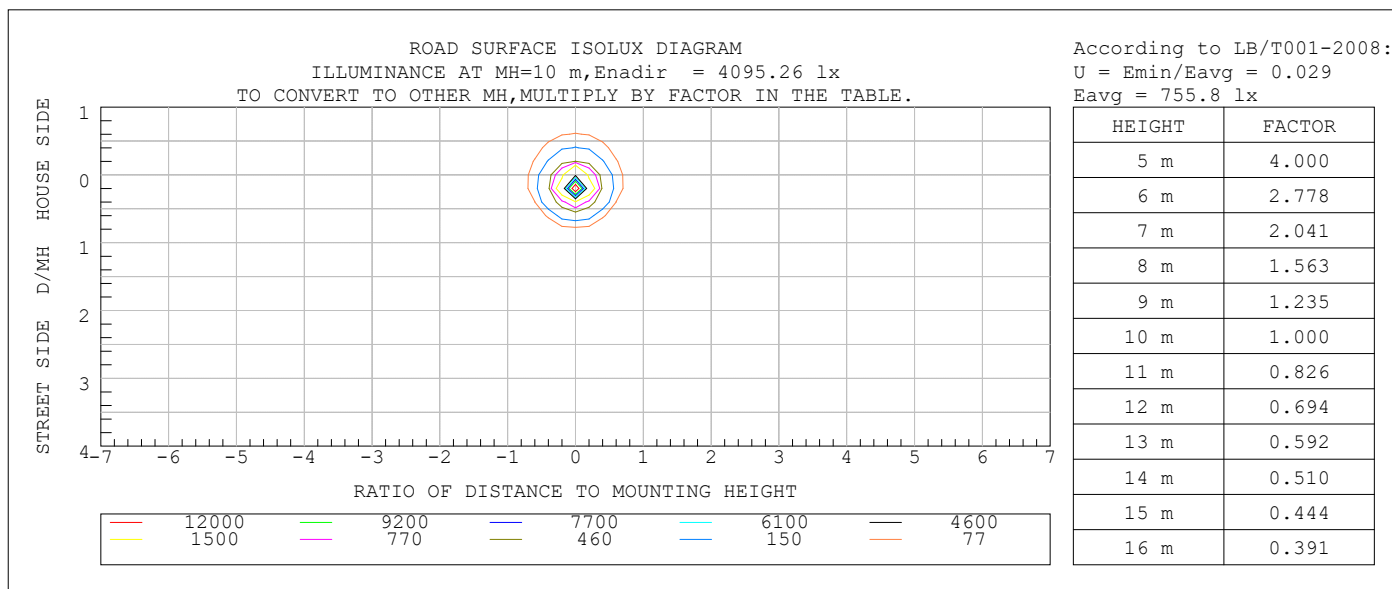
ISOCANDELA DIAGRAM	
UNIT	cd
<b>Imax=100%</b>	<b>1687145</b>
 90%	1518431
 80%	1349716
 70%	1181002
 60%	1012287
 50%	843573
 40%	674858
 30%	506144
 20%	337429
 10%	168715
 5%	84357

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:

```

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

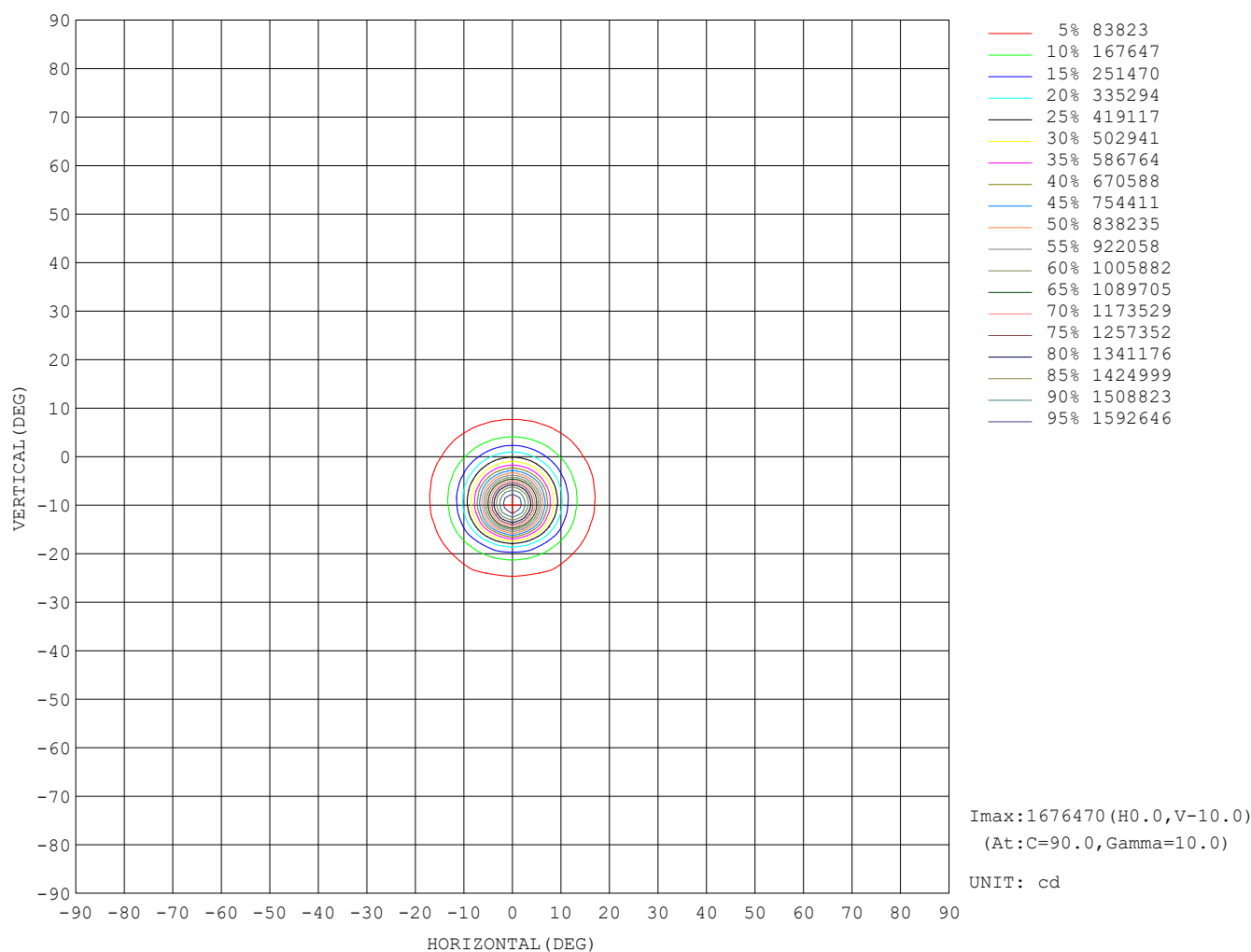
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	159.3	645.5	1687	645.5	159.3	75.96	60.20	75.96	0- 10	44115	44115	29.7,29.7
20	43.05	117.5	233.7	117.5	43.05	24.67	21.69	24.67	10- 20	62591	106706	71.8,71.8
30	16.78	31.42	37.58	31.42	16.78	13.60	13.17	13.60	20- 30	18214	124921	84.1,84.1
40	10.21	10.49	10.47	10.49	10.21	9.642	9.553	9.642	30- 40	9176	134096	90.2,90.2
50	7.256	4.733	2.778	4.733	7.256	7.691	7.630	7.691	40- 50	6132	140229	94.4,94.4
60	4.765	1.709	0.0171	1.709	4.765	5.808	5.233	5.808	50- 60	4421	144650	97.4,97.4
70	2.434	0.1840	0.0014	0.1840	2.434	3.131	2.846	3.131	60- 70	2656	147306	99.1,99.1
80	0.6049	0.0193	0.0025	0.0193	0.6049	0.8628	0.7643	0.8628	70- 80	1107	148413	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	172.1	148585	100,100
100	0	0	0	0	0	0	0	0	90-100	0	148585	100,100
110	0	0	0	0	0	0	0	0	100-110	0	148585	100,100
120	0	0	0	0	0	0	0	0	110-120	0	148585	100,100
130	0	0	0	0	0	0	0	0	120-130	0	148585	100,100
140	0	0	0	0	0	0	0	0	130-140	0	148585	100,100
150	0	0	0	0	0	0	0	0	140-150	0	148585	100,100
160	0	0	0	0	0	0	0	0	150-160	0	148585	100,100
170	0	0	0	0	0	0	0	0	160-170	0	148585	100,100
180	0	0	0	0	0	0	0	0	170-180	0	148585	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:

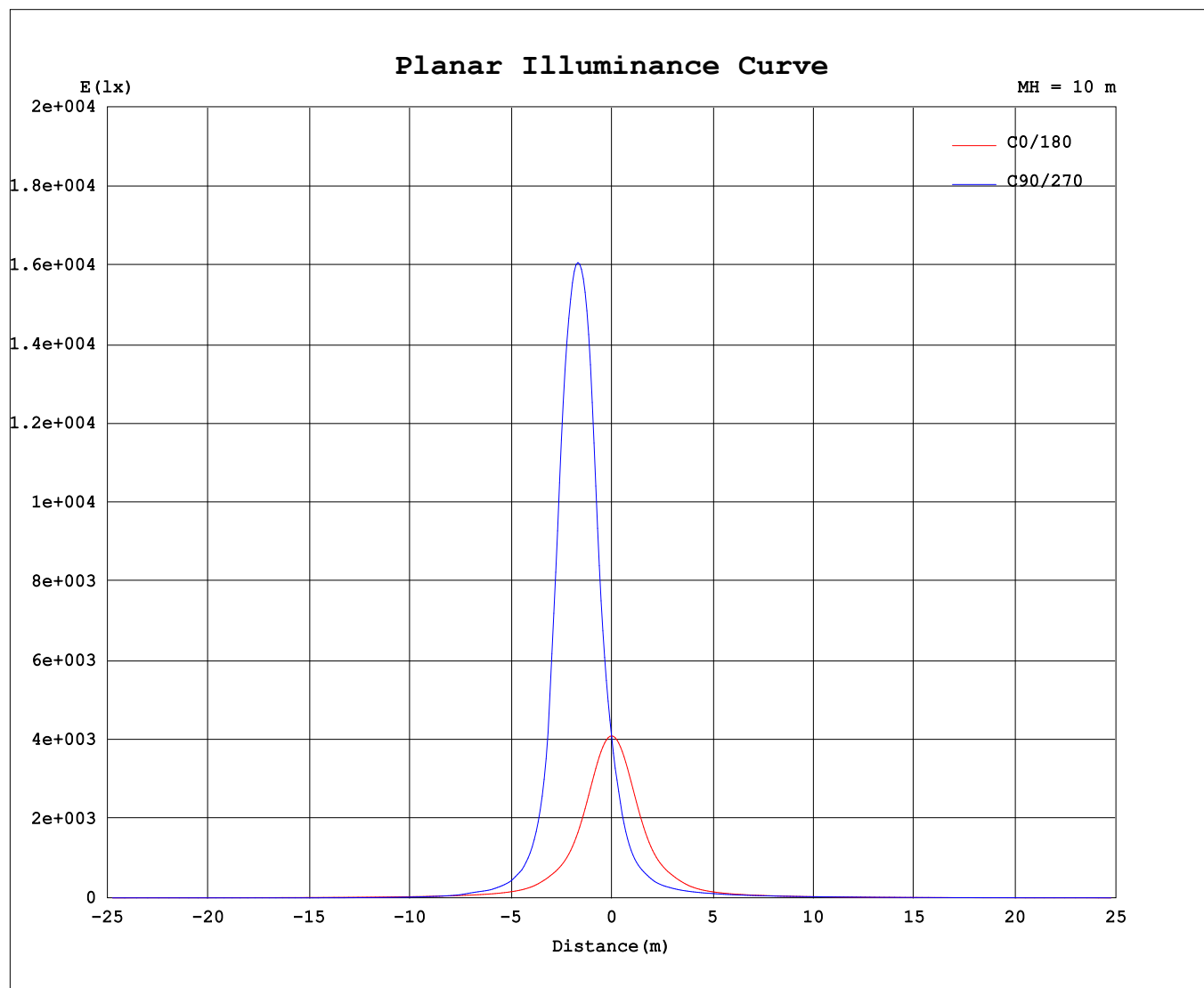
## ISOCANDELA DIAGRAM



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

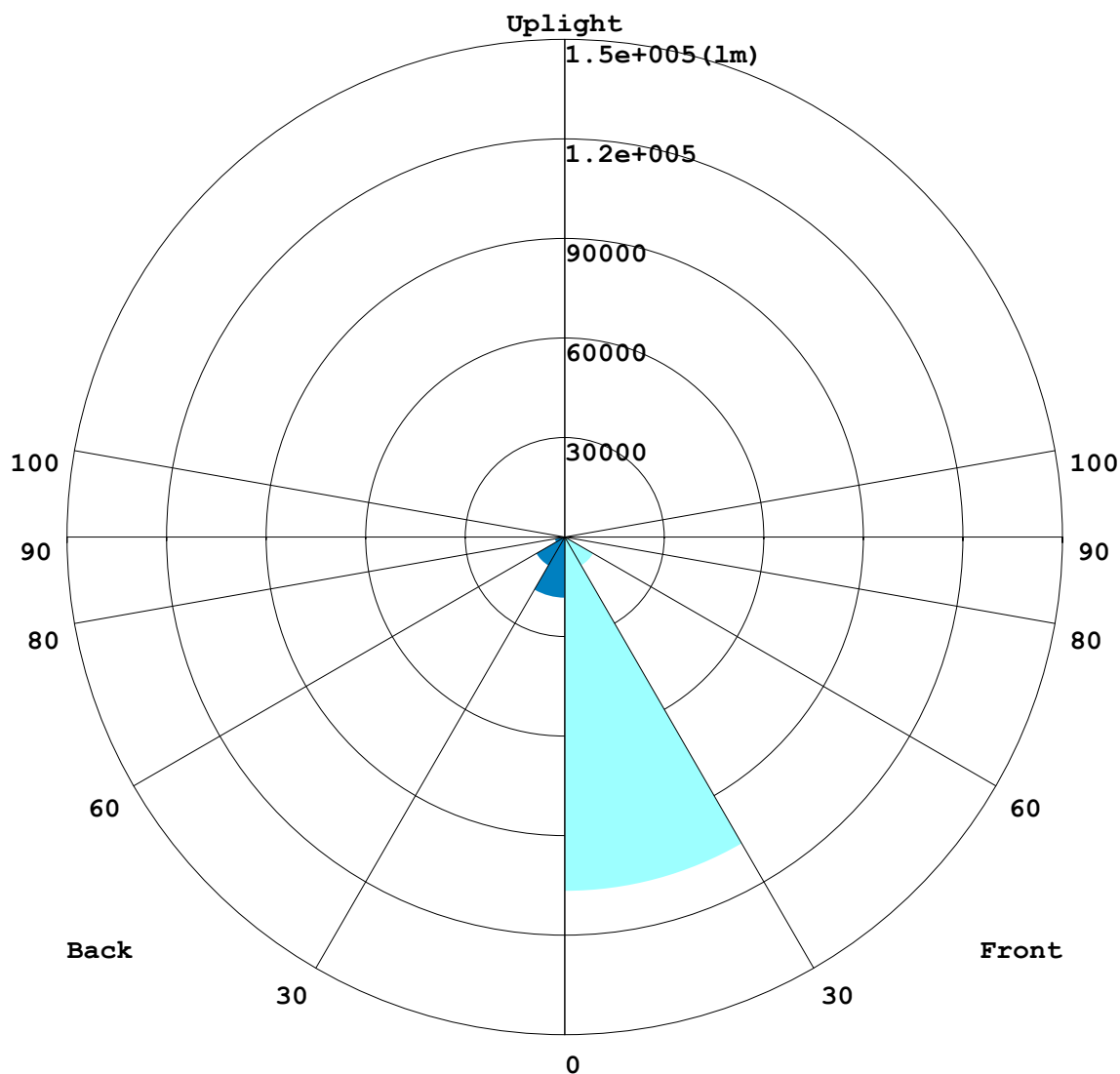
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:5.324A P:1200.0W PF:0.980 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:148585x1 lm		
NAME: SP04-1K2-5770-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:5.324A P:1200.0W PF:0.980 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:148585x1 lm		
NAME: SP04-1K2-5770-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)	1.0664e+005	71.8
FM - Front-Medium(30-60)	9858.3	6.6
FH - Front-High(60-80)	763.73	0.5
FVH - Front-Very High(80-90)	17.776	0.0
Total Forward Light	1.1728e+005	78.9

BL - Back-Low(0-30)	18280	12.3
BM - Back-Medium(30-60)	9870.6	6.6
BH - Back-High(60-80)	2999.4	2.0
BVH - Back-Very High(80-90)	154.28	0.1
Total Back Light	31304	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	31304	0	31304
Street Side	1.1728e+005	0	1.1728e+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:

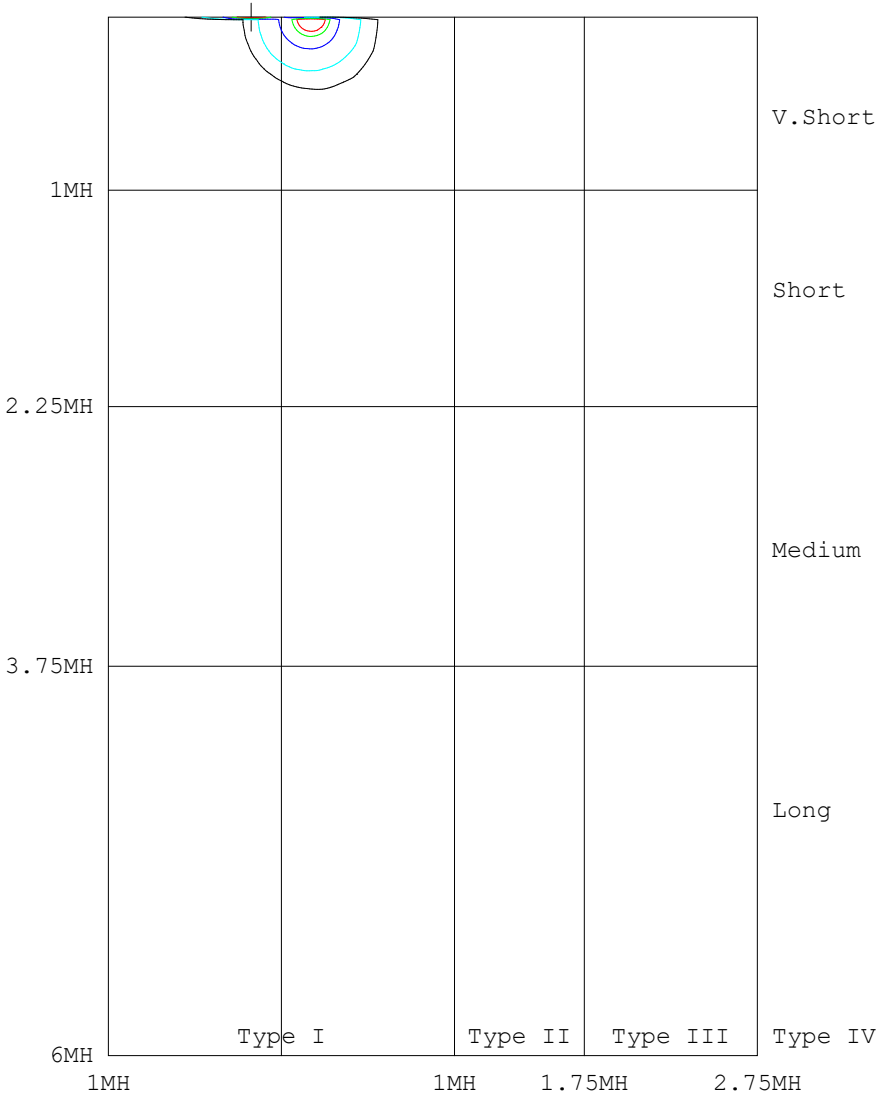


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:5.324A P:1200.0W PF:0.980 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:148585x1 lm		
NAME: SP04-1K2-5770-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% 1.1738e+00 50% 8.3840e+00 5% 8.3840e+00

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: