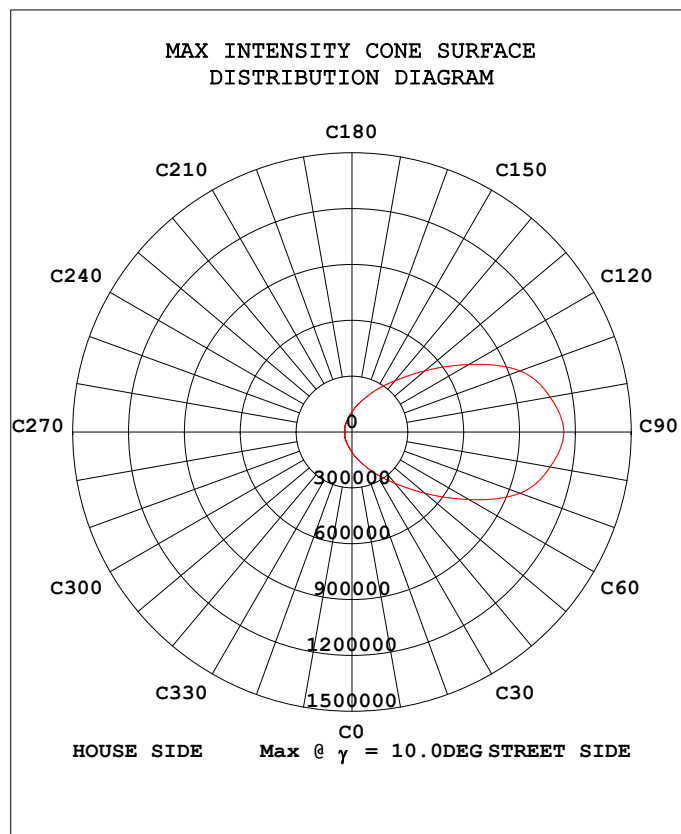
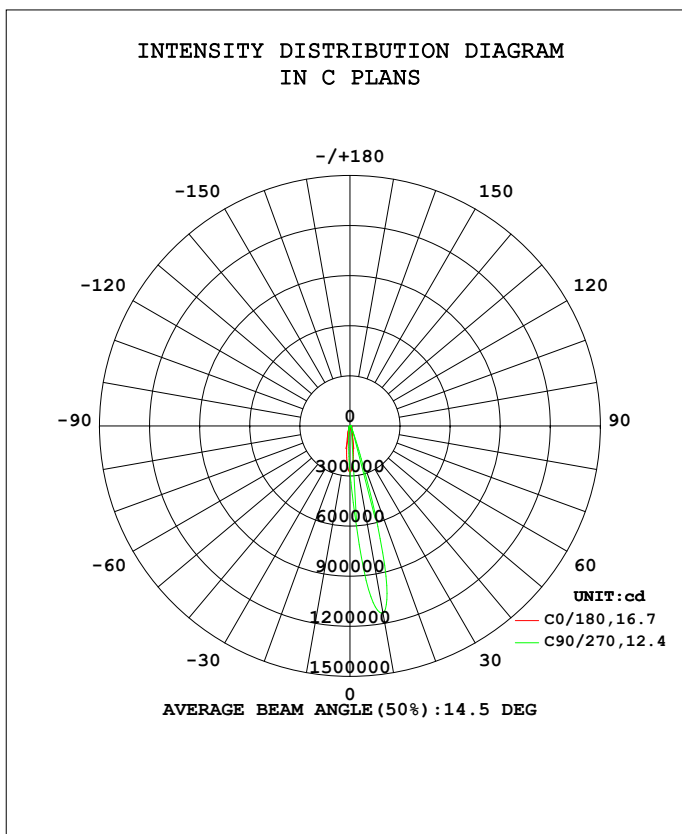


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:3.571A P:800.0W PF:0.974 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:100242x1 lm		
NAME: SP04-800-5770-F04002+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

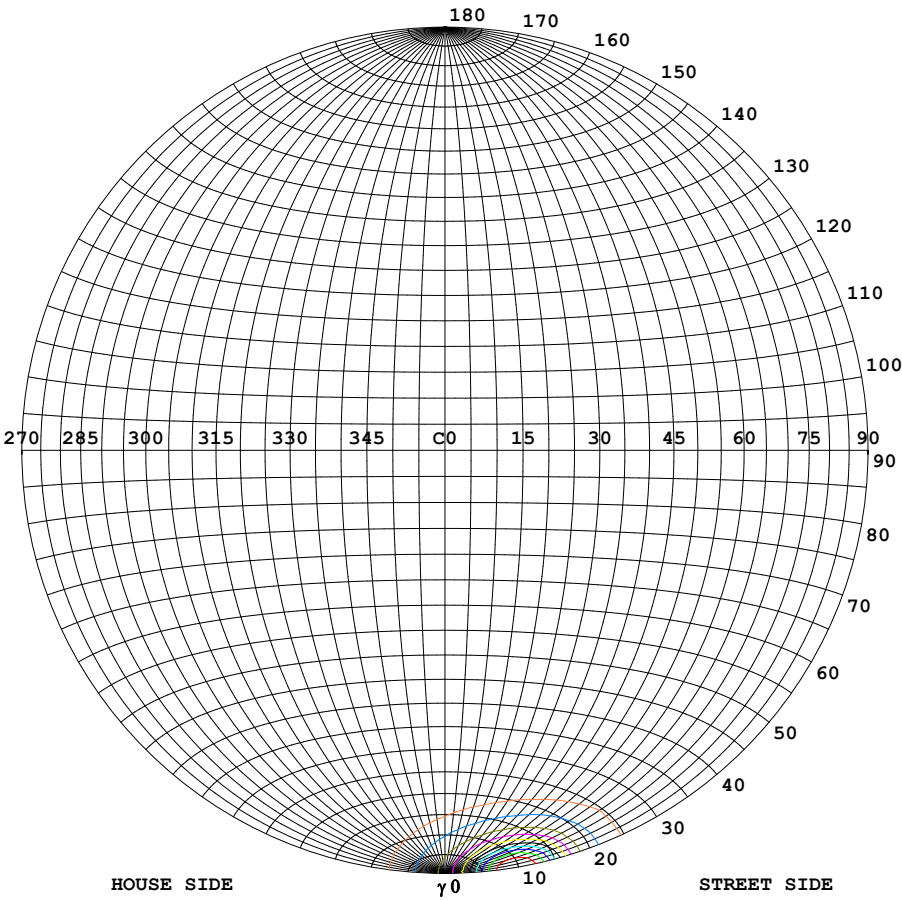
DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.30 lm/W			
MODEL	/	I <sub>max</sub> (cd)	1138223	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	78.9
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	100242	η house_up(%)	0.0
NOMINAL FLUX(lm)	100242	MAXIMUM @ (C,γ )	90,10.0	η house_down(%)	21.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	



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

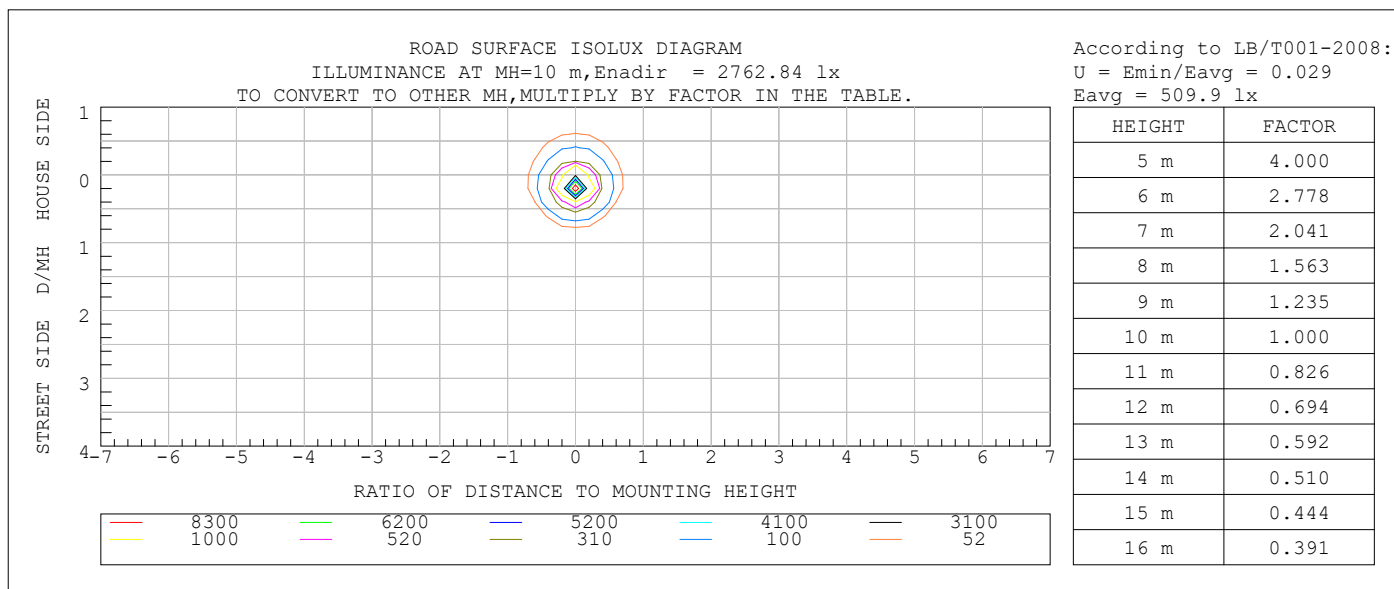
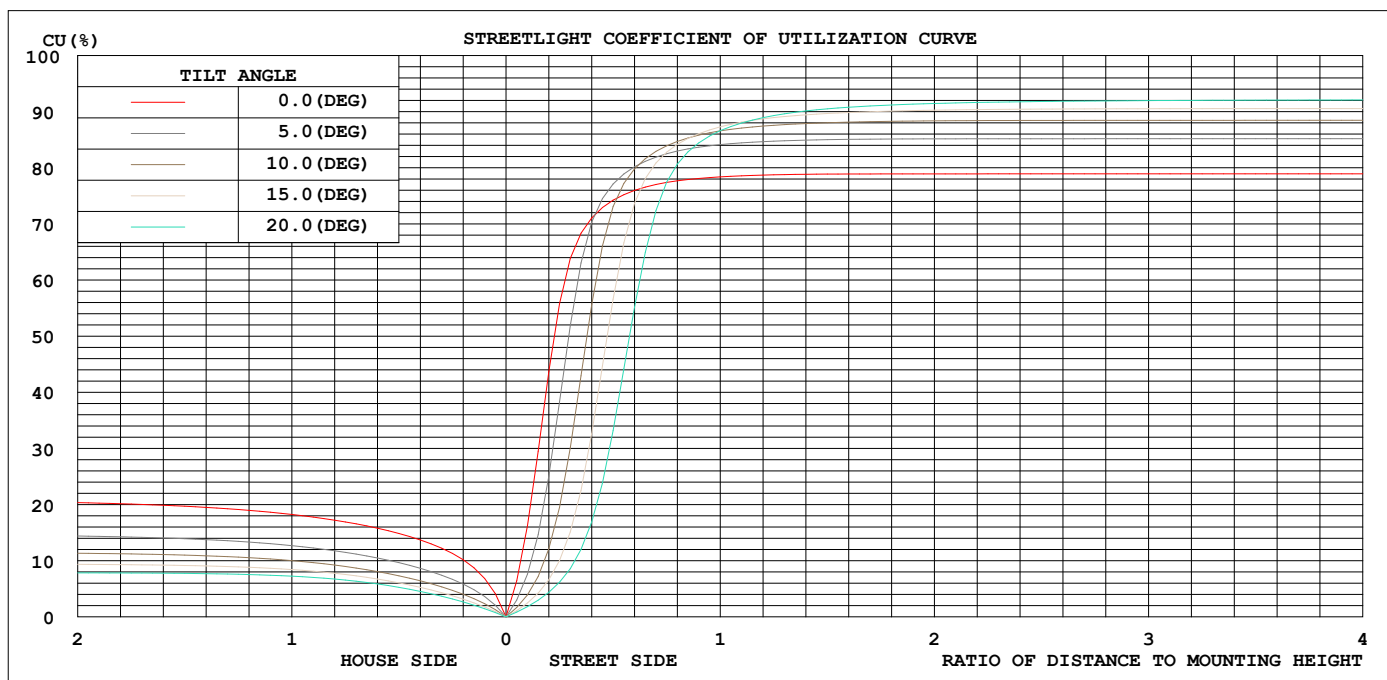


Classification:  
IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:6.230cd/klm  
Max.At90:0cd/klm  
Max.80-90:6.230cd/klm  
NRB 5101:Limited[1.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1138223
90%	1024401
80%	910579
70%	796756
60%	682934
50%	569112
40%	455289
30%	341467
20%	227645
10%	113822
5%	56911

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:

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

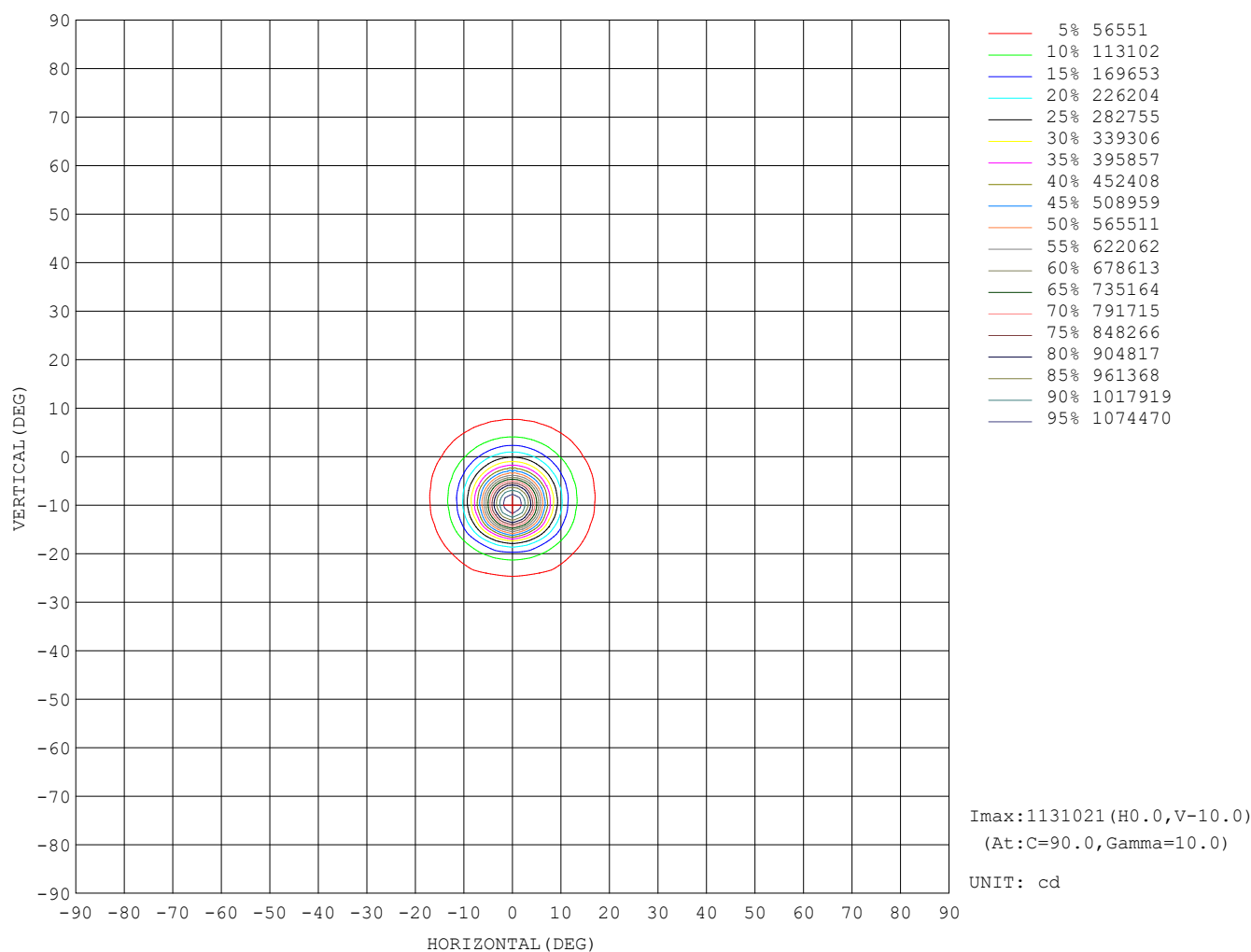
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	107.5	435.5	1138	435.5	107.5	51.25	40.62	51.25	0- 10	29762	29762	29.7,29.7
20	29.04	79.24	157.7	79.24	29.04	16.64	14.63	16.64	10- 20	42227	71989	71.8,71.8
30	11.32	21.20	25.36	21.20	11.32	9.174	8.886	9.174	20- 30	12288	84277	84.1,84.1
40	6.885	7.076	7.063	7.076	6.885	6.505	6.445	6.505	30- 40	6190	90467	90.2,90.2
50	4.895	3.193	1.874	3.193	4.895	5.189	5.148	5.189	40- 50	4137	94605	94.4,94.4
60	3.214	1.153	0.0115	1.153	3.214	3.918	3.531	3.918	50- 60	2983	97587	97.4,97.4
70	1.642	0.1242	0.0009	0.1242	1.642	2.112	1.920	2.112	60- 70	1792	99379	99.1,99.1
80	0.4081	0.0130	0.0017	0.0130	0.4081	0.5821	0.5156	0.5821	70- 80	746.8	100126	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	116.1	100242	100,100
100	0	0	0	0	0	0	0	0	90-100	0	100242	100,100
110	0	0	0	0	0	0	0	0	100-110	0	100242	100,100
120	0	0	0	0	0	0	0	0	110-120	0	100242	100,100
130	0	0	0	0	0	0	0	0	120-130	0	100242	100,100
140	0	0	0	0	0	0	0	0	130-140	0	100242	100,100
150	0	0	0	0	0	0	0	0	140-150	0	100242	100,100
160	0	0	0	0	0	0	0	0	150-160	0	100242	100,100
170	0	0	0	0	0	0	0	0	160-170	0	100242	100,100
180	0	0	0	0	0	0	0	0	170-180	0	100242	100,100
DEG	LUMINOUS INTENSITY:X1000cd									UNIT:lm		

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:

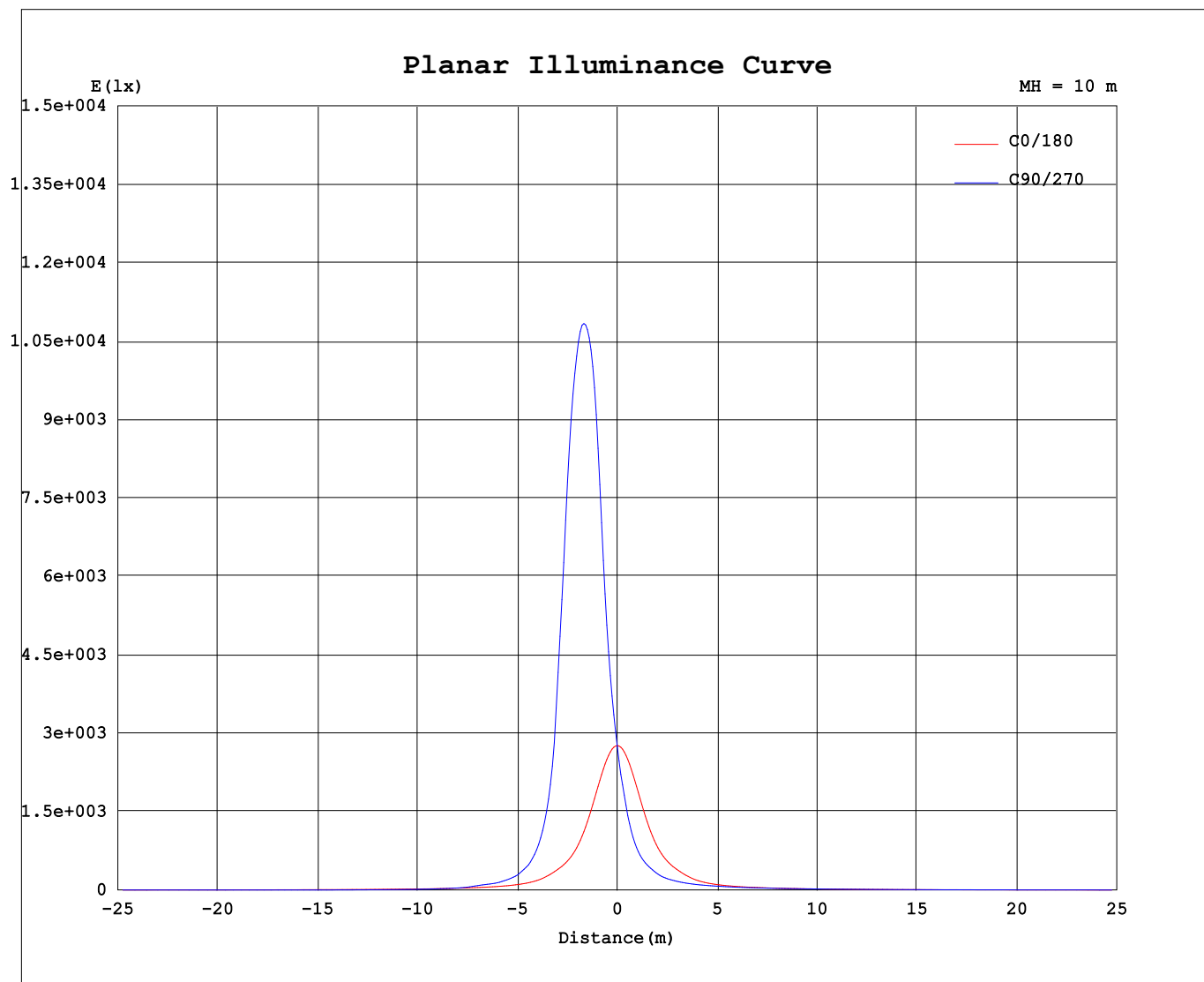
# ISOCANDELA DIAGRAM



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

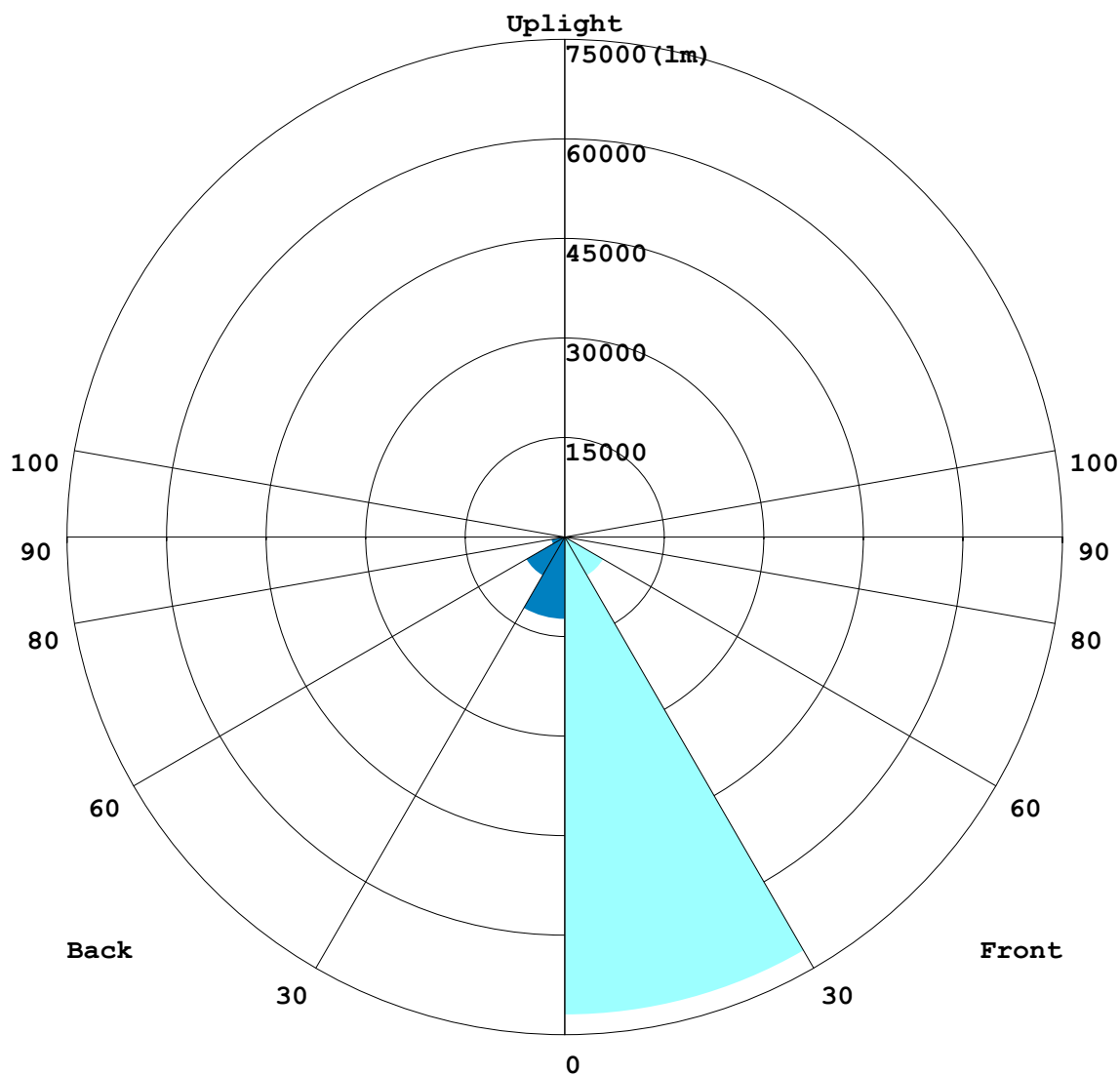
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:3.571A P:800.0W PF:0.974 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:100242x1 lm		
NAME: SP04-800-5770-F04002+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℃  
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

## BUG REPORT

Test:U:230.0V I:3.571A P:800.0W PF:0.974 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:100242x1 lm		
NAME: SP04-800-5770-F04002+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	71945	71.8
FM - Front-Medium(30-60)	6650.8	6.6
FH - Front-High(60-80)	515.24	0.5
FVH - Front-Very High(80-90)	11.992	0.0
Total Forward Light	79123	78.9

BL - Back-Low(0-30)	12333	12.3
BM - Back-Medium(30-60)	6659.1	6.6
BH - Back-High(60-80)	2023.5	2.0
BVH - Back-Very High(80-90)	104.08	0.1
Total Back Light	21119	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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21119	0	21119
Street Side	79123	0	79123

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:

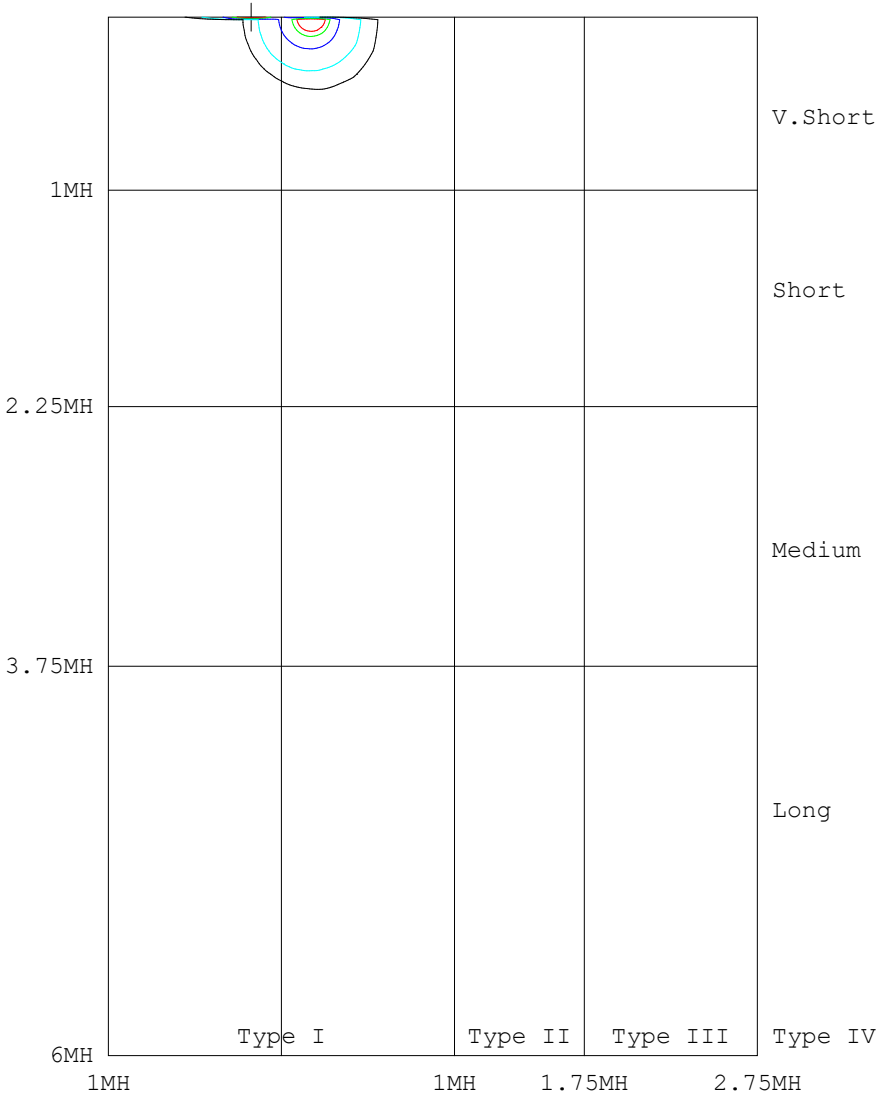


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:3.571A P:800.0W PF:0.974 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:100242x1 lm		
NAME: SP04-800-5770-F04002+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: 70% 7.9187e+00 Road: 50% 5.6582e+00  
V Range: 2620e+01 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: