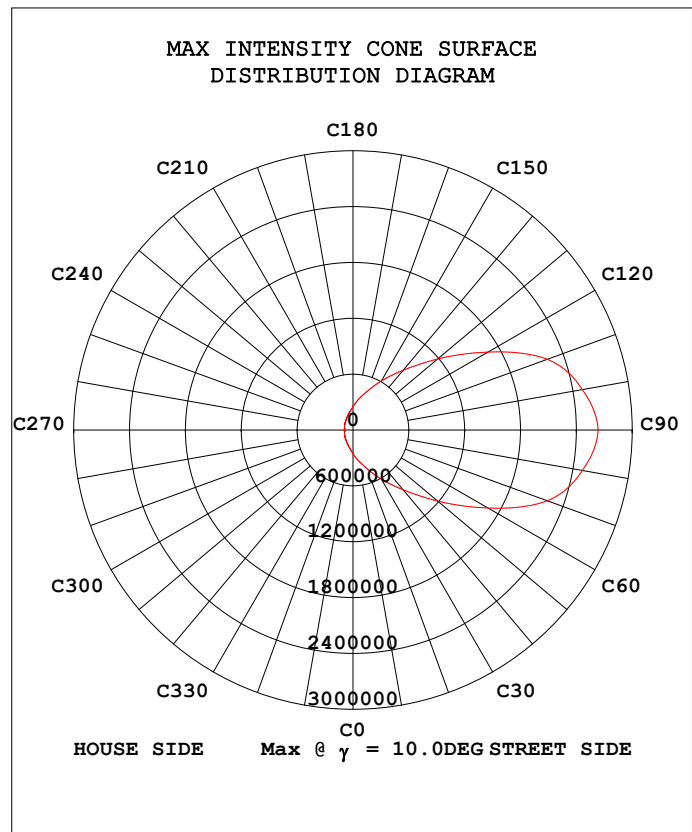
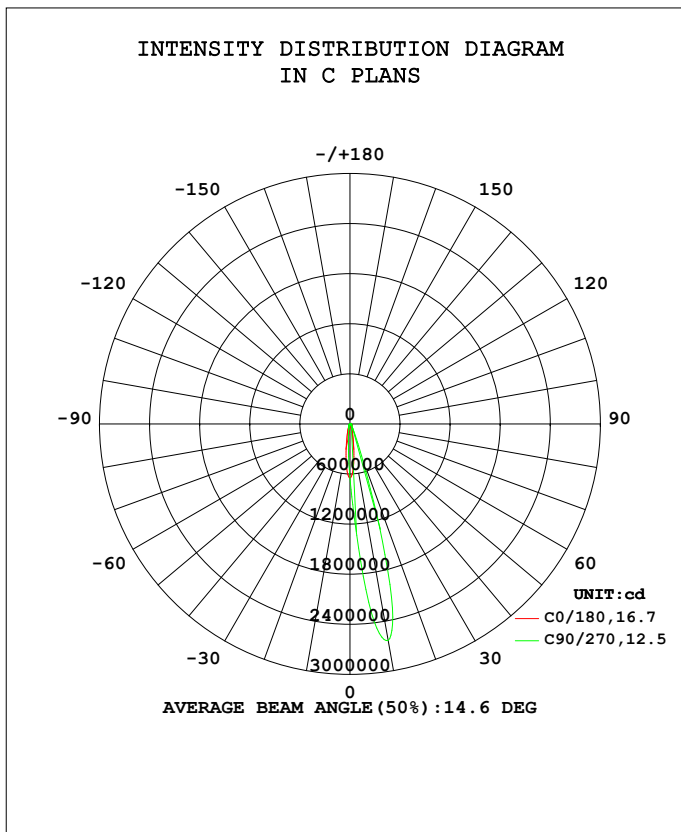


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## 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:243265x1 lm		
NAME: SP04-1K8-5770-F04002X	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

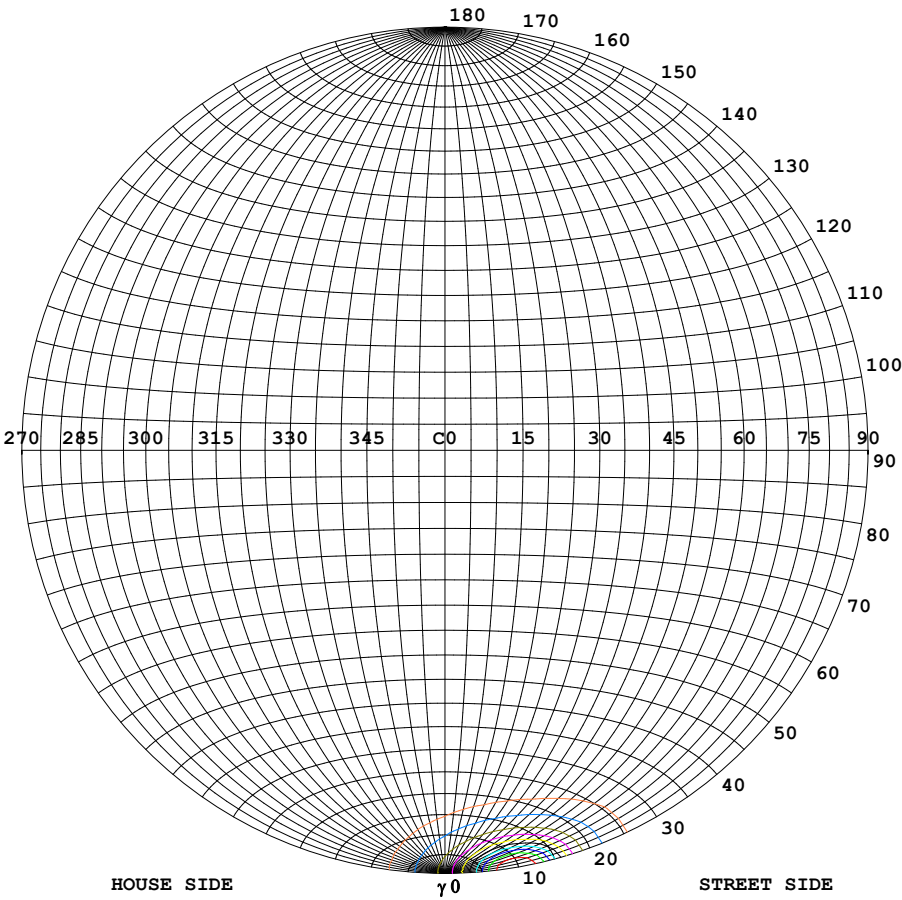
DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.15 lm/W			
MODEL	/	I <sub>max</sub> (cd)	2632385	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	80.1
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	243265	η house_up (%)	0.0
NOMINAL FLUX (lm)	243265	MAXIMUM @ (C, γ )	90,10.0	η house_down (%)	19.9
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

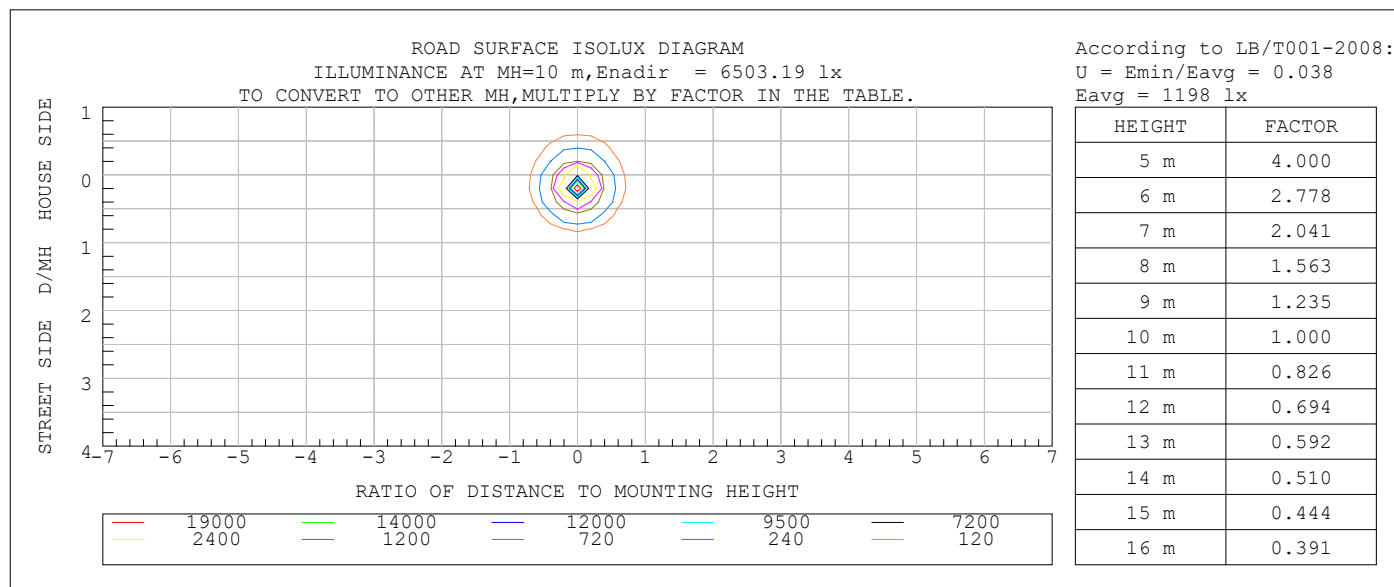
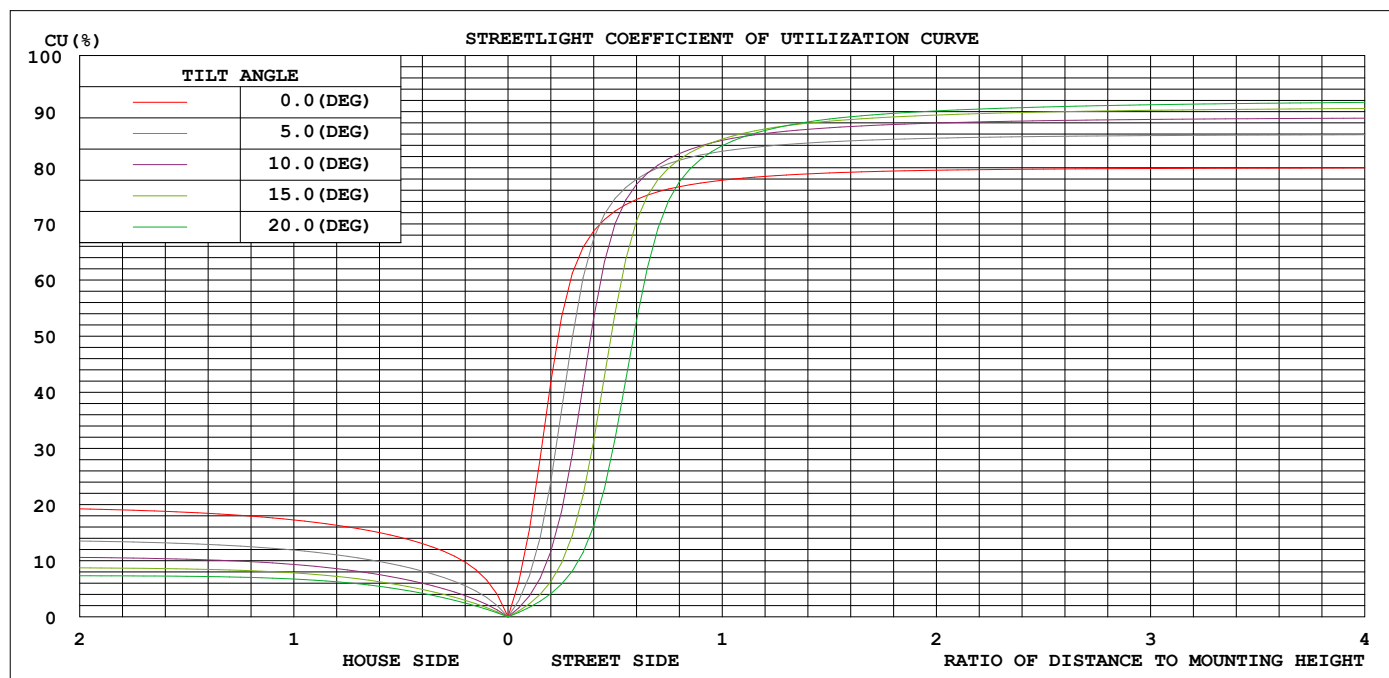


Classification:  
IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:6.288cd/klm  
Max.At90:0cd/klm  
Max.80-90:6.288cd/klm  
NRB 5101:Limited[1.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2632385
90%	2369147
80%	2105908
70%	1842670
60%	1579431
50%	1316193
40%	1052954
30%	789716
20%	526477
10%	263239
5%	131619

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

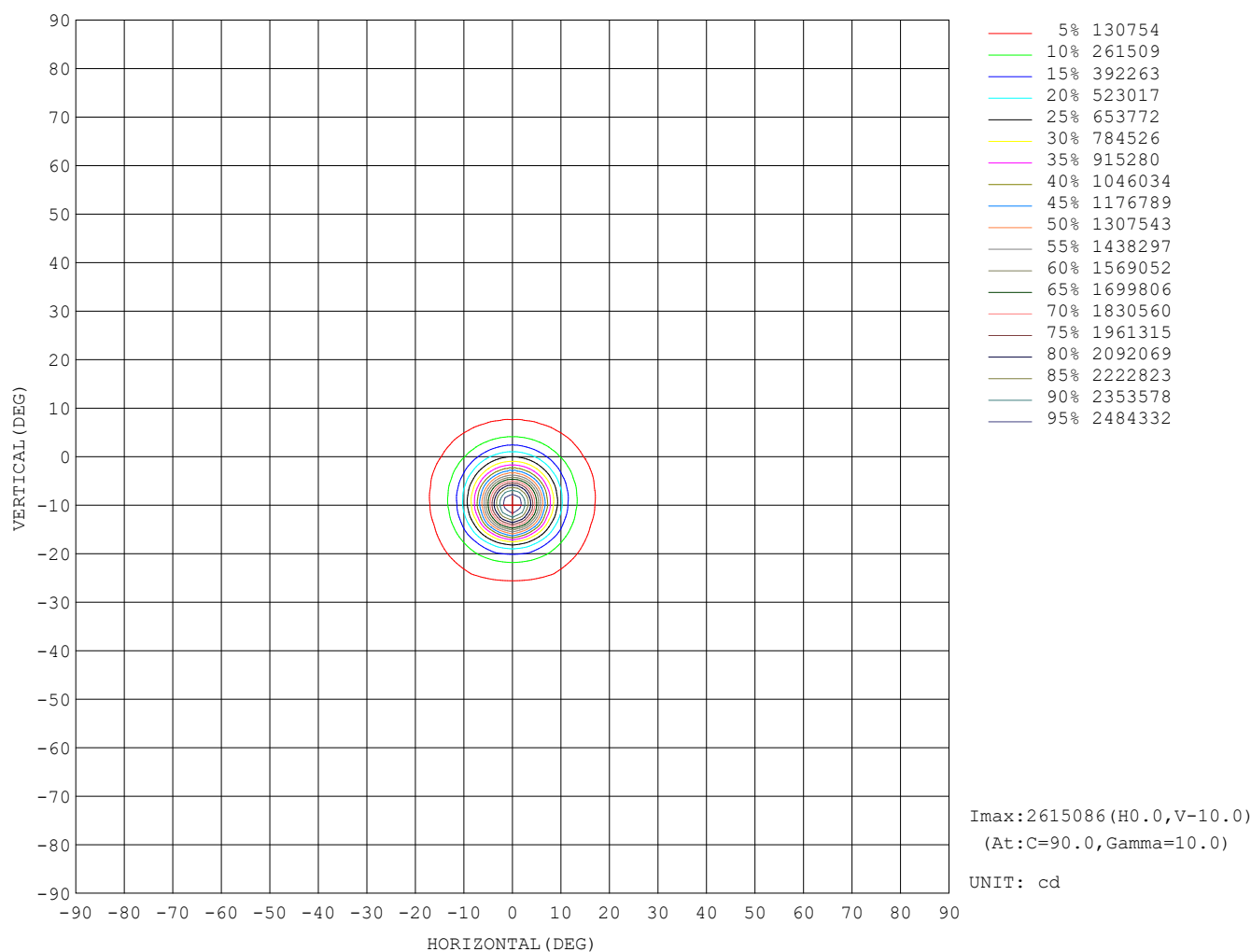
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	250.6	1012	2632	1012	250.6	118.3	92.48	118.3	0- 10	69182	69182	28.4,28.4
20	66.33	185.8	409.3	185.8	66.33	37.68	32.08	37.68	10- 20	98414	167597	68.9,68.9
30	25.88	55.82	72.37	55.82	25.88	20.62	19.23	20.62	20- 30	30375	197971	81.4,81.4
40	16.00	21.43	24.75	21.43	16.00	14.64	14.04	14.64	30- 40	15991	213962	88,88
50	11.71	12.37	11.57	12.37	11.71	11.72	11.37	11.72	40- 50	11213	225175	92.6,92.6
60	8.043	7.830	6.052	7.830	8.043	8.931	8.051	8.931	50- 60	8897	234071	96.2,96.2
70	4.423	3.739	2.992	3.739	4.423	4.964	4.520	4.964	60- 70	6004	240075	98.7,98.7
80	1.282	0.9503	1.413	0.9503	1.282	1.426	1.327	1.426	70- 80	2756	242831	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	433.9	243265	100,100
100	0	0	0	0	0	0	0	0	90-100	0	243265	100,100
110	0	0	0	0	0	0	0	0	100-110	0	243265	100,100
120	0	0	0	0	0	0	0	0	110-120	0	243265	100,100
130	0	0	0	0	0	0	0	0	120-130	0	243265	100,100
140	0	0	0	0	0	0	0	0	130-140	0	243265	100,100
150	0	0	0	0	0	0	0	0	140-150	0	243265	100,100
160	0	0	0	0	0	0	0	0	150-160	0	243265	100,100
170	0	0	0	0	0	0	0	0	160-170	0	243265	100,100
180	0	0	0	0	0	0	0	0	170-180	0	243265	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:

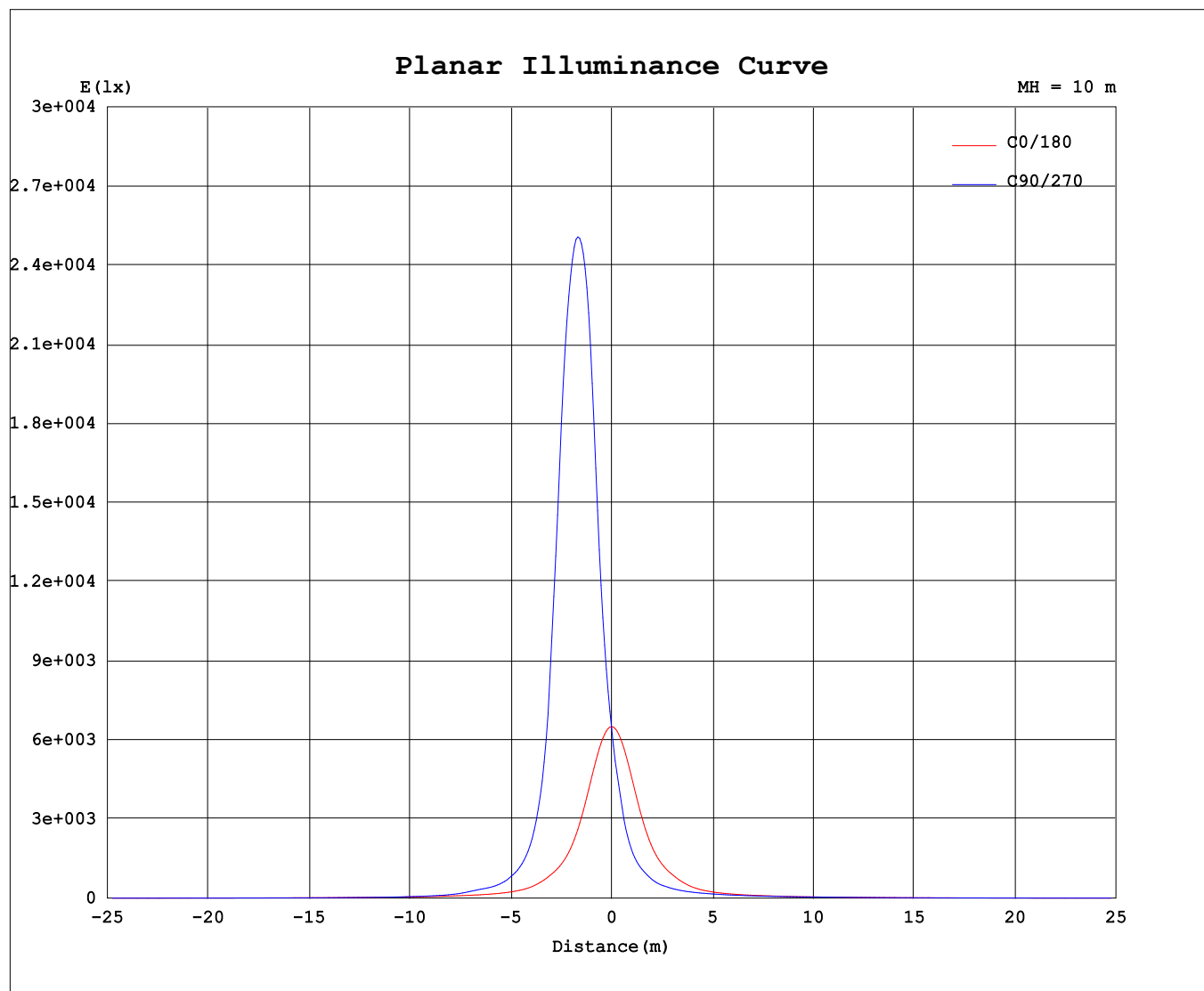
## ISOCANDELA DIAGRAM



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

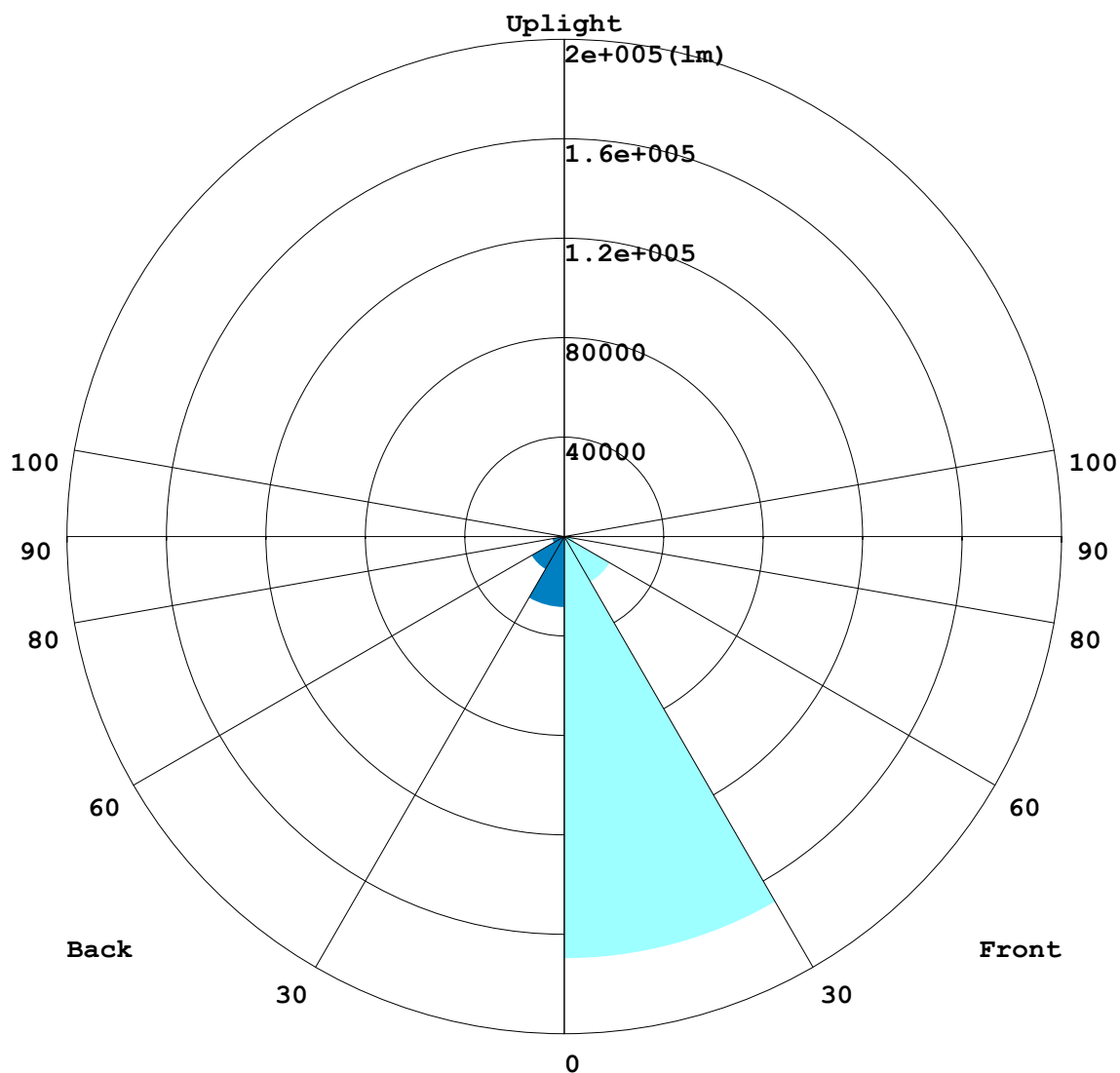
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:7.842A P:1800.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:243265x1 lm		
NAME: SP04-1K8-5770-F04002X	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:243265x1 lm		
NAME: SP04-1K8-5770-F04002X	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1.6961e+005	69.7
FM - Front-Medium(30-60)	21006	8.6
FH - Front-High(60-80)	3965.7	1.6
FVH - Front-Very High(80-90)	183.33	0.1
Total Forward Light	1.9476e+005	80.1

BL - Back-Low(0-30)	28366	11.7
BM - Back-Medium(30-60)	15093	6.2
BH - Back-High(60-80)	4794.4	2.0
BVH - Back-Very High(80-90)	250.57	0.1
Total Back Light	48504	19.9

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	48504	0	48504
Street Side	1.9476e+005	0	1.9476e+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:

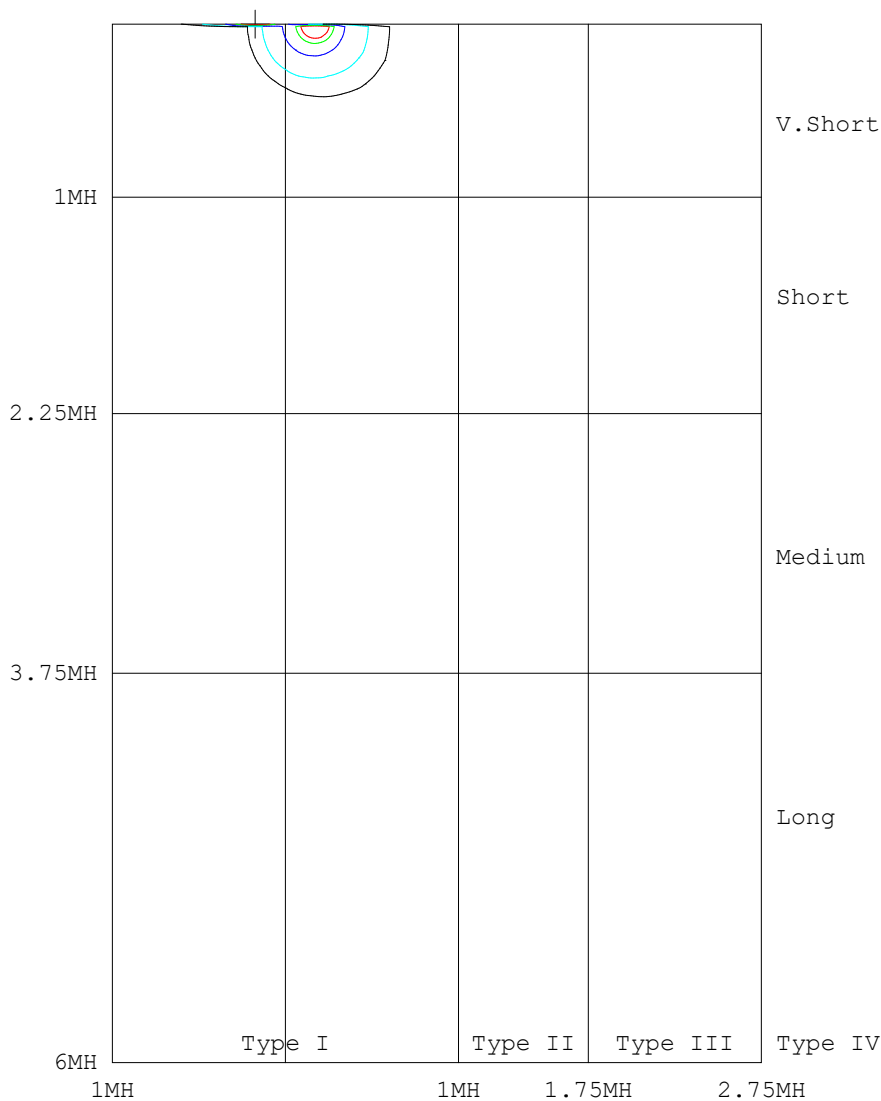


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:243265x1 lm		
NAME: SP04-1K8-5770-F04002X	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% 1.8311e+00 Road  
50% 1.308e+00  
30% 1.308e+00  
10% 1.308e+00  
5% 1.308e+00

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