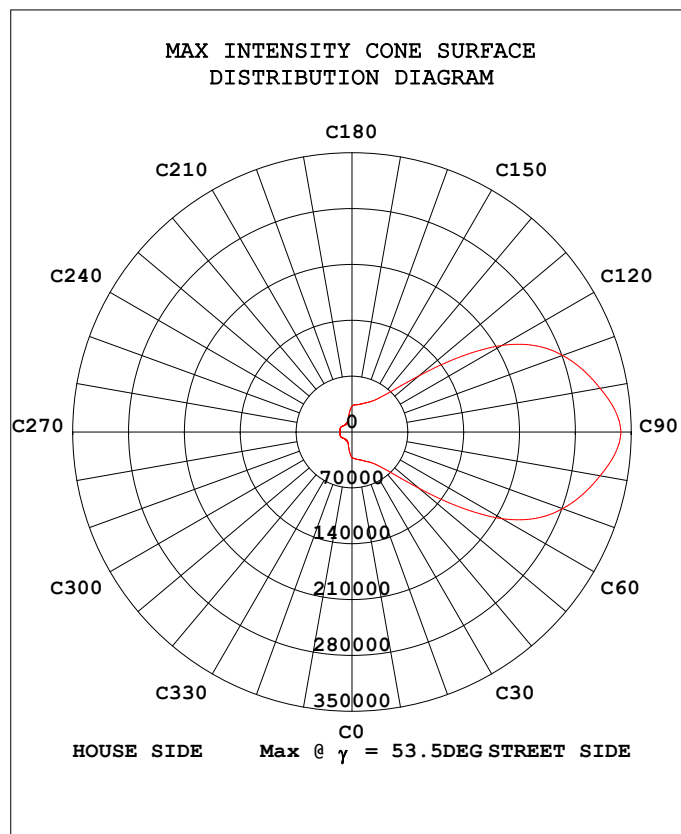
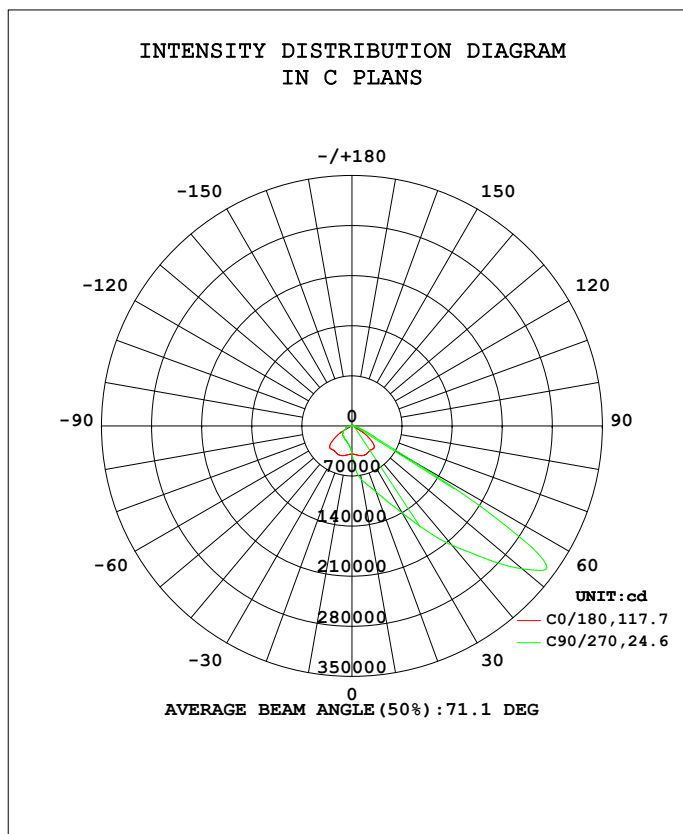


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## 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:243148x1 lm		
NAME: SP04-1K8-5770-F04013	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

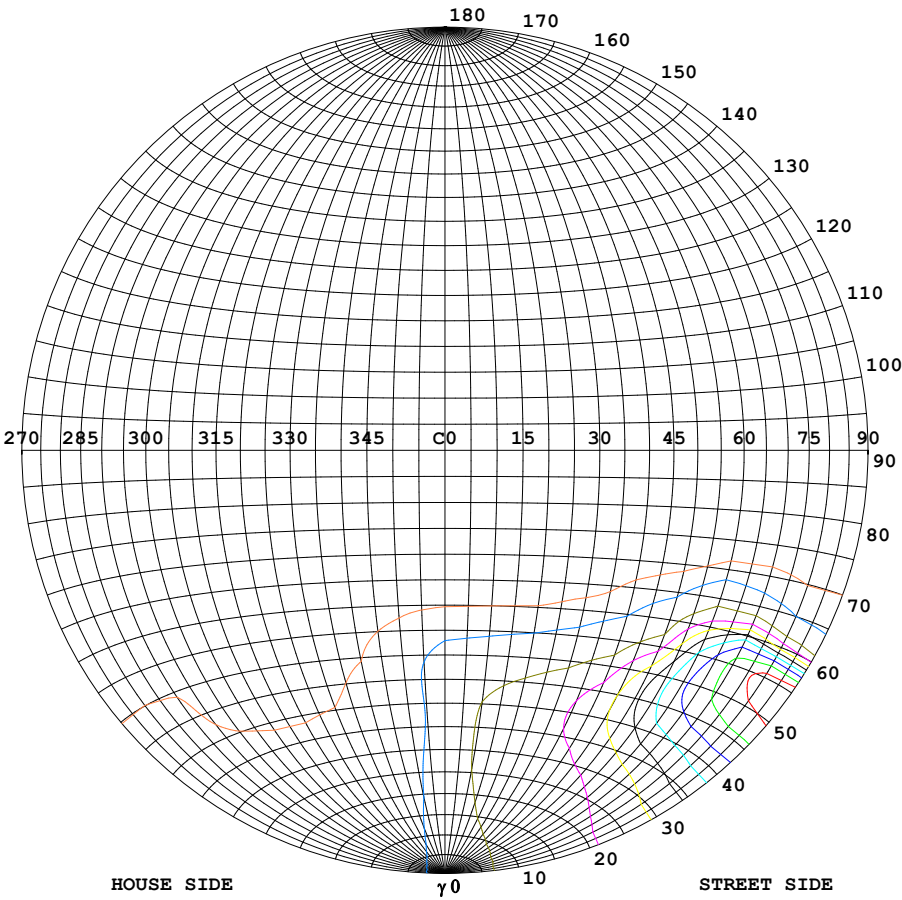
DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.08 lm/W			
MODEL	/	I <sub>max</sub> (cd)	337066	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	84.2
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	243148	η house_up (%)	0.0
NOMINAL FLUX (lm)	243148	MAXIMUM @ (C, γ )	90,53.5	η house_down (%)	15.8
LAMPS 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:2023-03-03

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

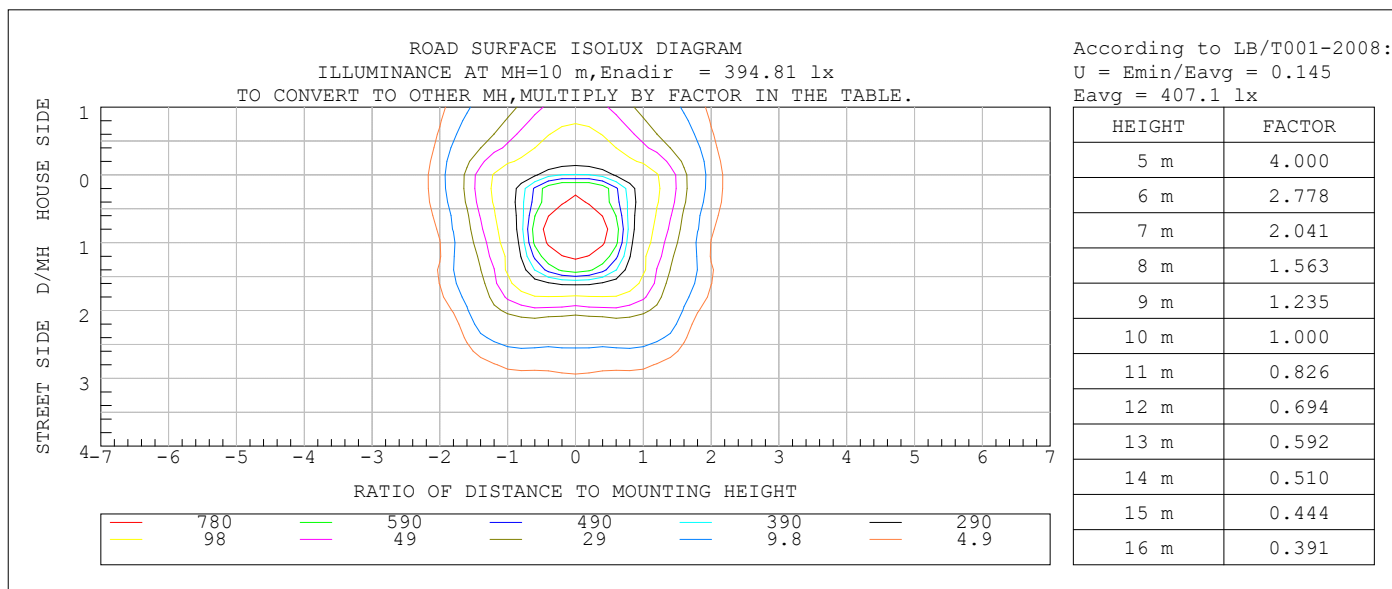
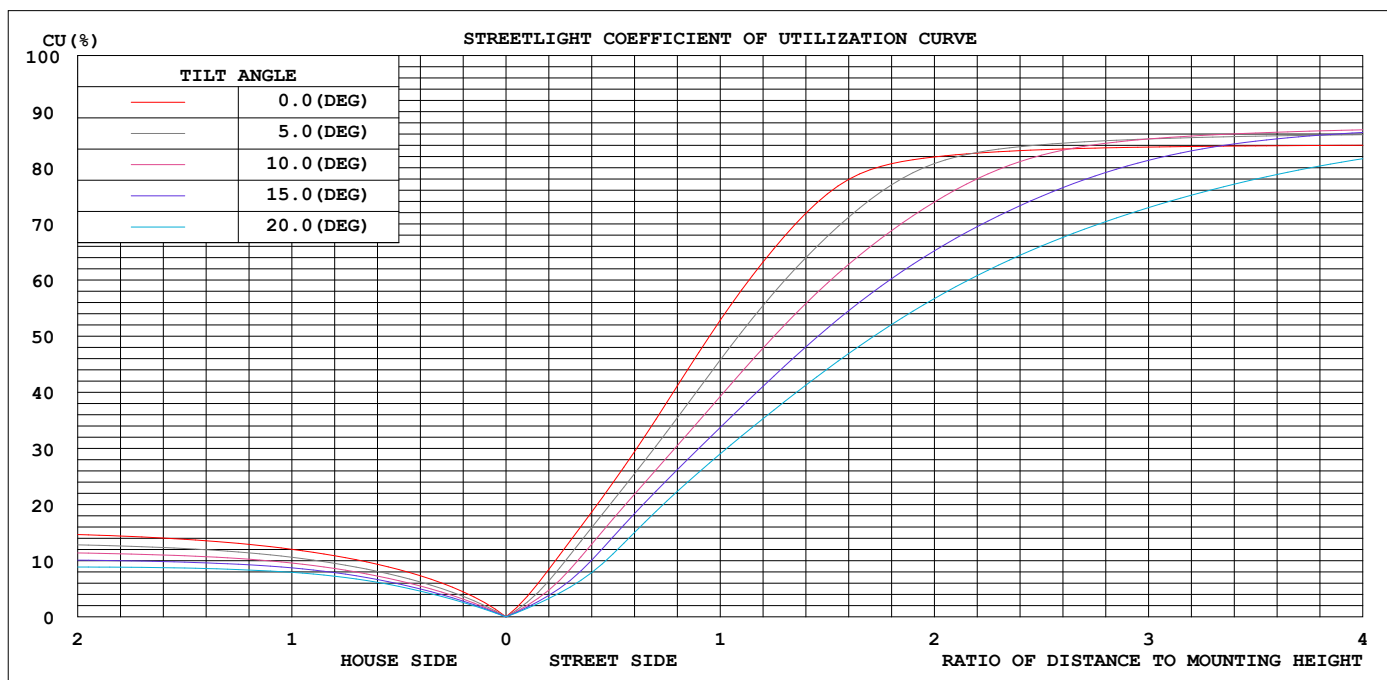


Classification:  
IES:Type II - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:16.53cd/klm  
Max.At90:0cd/klm  
Max.80-90:16.53cd/klm  
NRB 5101:Limited[1.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	337066
90%	303360
80%	269653
70%	235947
60%	202240
50%	168533
40%	134827
30%	101120
20%	67413
10%	33707
5%	16853

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-03-03

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: 2023-03-03

$\gamma$  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

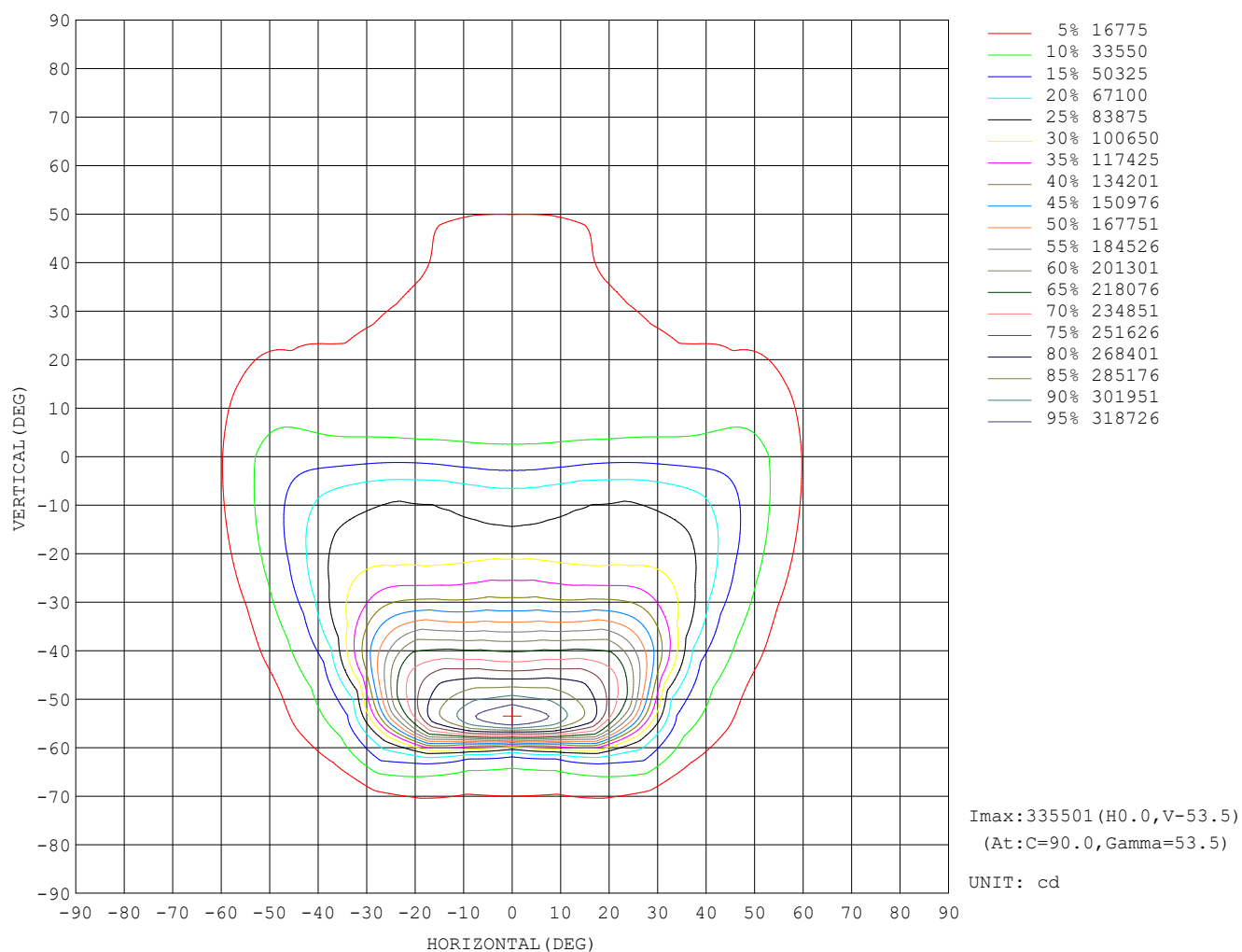
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	412.7	710.5	761.3	710.5	412.7	281.8	265.5	281.8	0- 10	4267	4267	1.76,1.76
20	441.0	875.9	975.9	875.9	441.0	236.6	224.2	236.6	10- 20	14767	19035	7.83,7.83
30	435.9	1004	1403	1004	435.9	195.4	207.2	195.4	20- 30	27088	46123	19,19
40	430.5	1315	2175	1315	430.5	163.9	187.3	163.9	30- 40	44479	90602	37.3,37.3
50	392.7	1147	3105	1147	392.7	136.8	167.9	136.8	40- 50	65203	155804	64.1,64.1
60	157.1	421.9	982.2	421.9	157.1	102.7	128.9	102.7	50- 60	62896	218700	89.9,89.9
70	44.91	95.42	168.7	95.42	44.91	48.14	96.51	48.14	60- 70	18876	237576	97.7,97.7
80	12.91	17.04	40.19	17.04	12.91	12.52	26.61	12.52	70- 80	4909	242485	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	662.7	243148	100,100
100	0	0	0	0	0	0	0	0	90-100	0	243148	100,100
110	0	0	0	0	0	0	0	0	100-110	0	243148	100,100
120	0	0	0	0	0	0	0	0	110-120	0	243148	100,100
130	0	0	0	0	0	0	0	0	120-130	0	243148	100,100
140	0	0	0	0	0	0	0	0	130-140	0	243148	100,100
150	0	0	0	0	0	0	0	0	140-150	0	243148	100,100
160	0	0	0	0	0	0	0	0	150-160	0	243148	100,100
170	0	0	0	0	0	0	0	0	160-170	0	243148	100,100
180	0	0	0	0	0	0	0	0	170-180	0	243148	100,100
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:2023-03-03

$\gamma$  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:

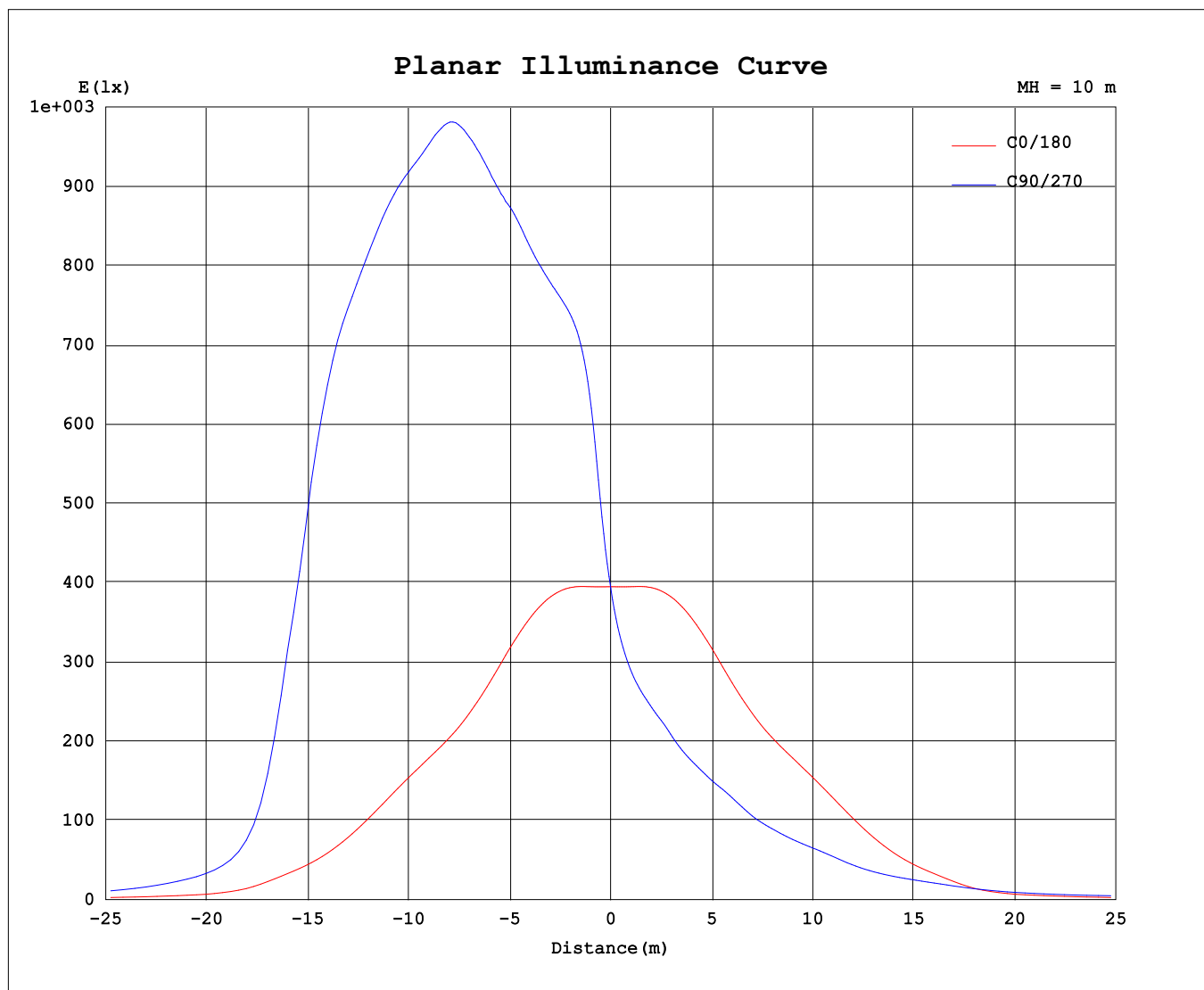
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-03-03

$\gamma$  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: 2023-03-03

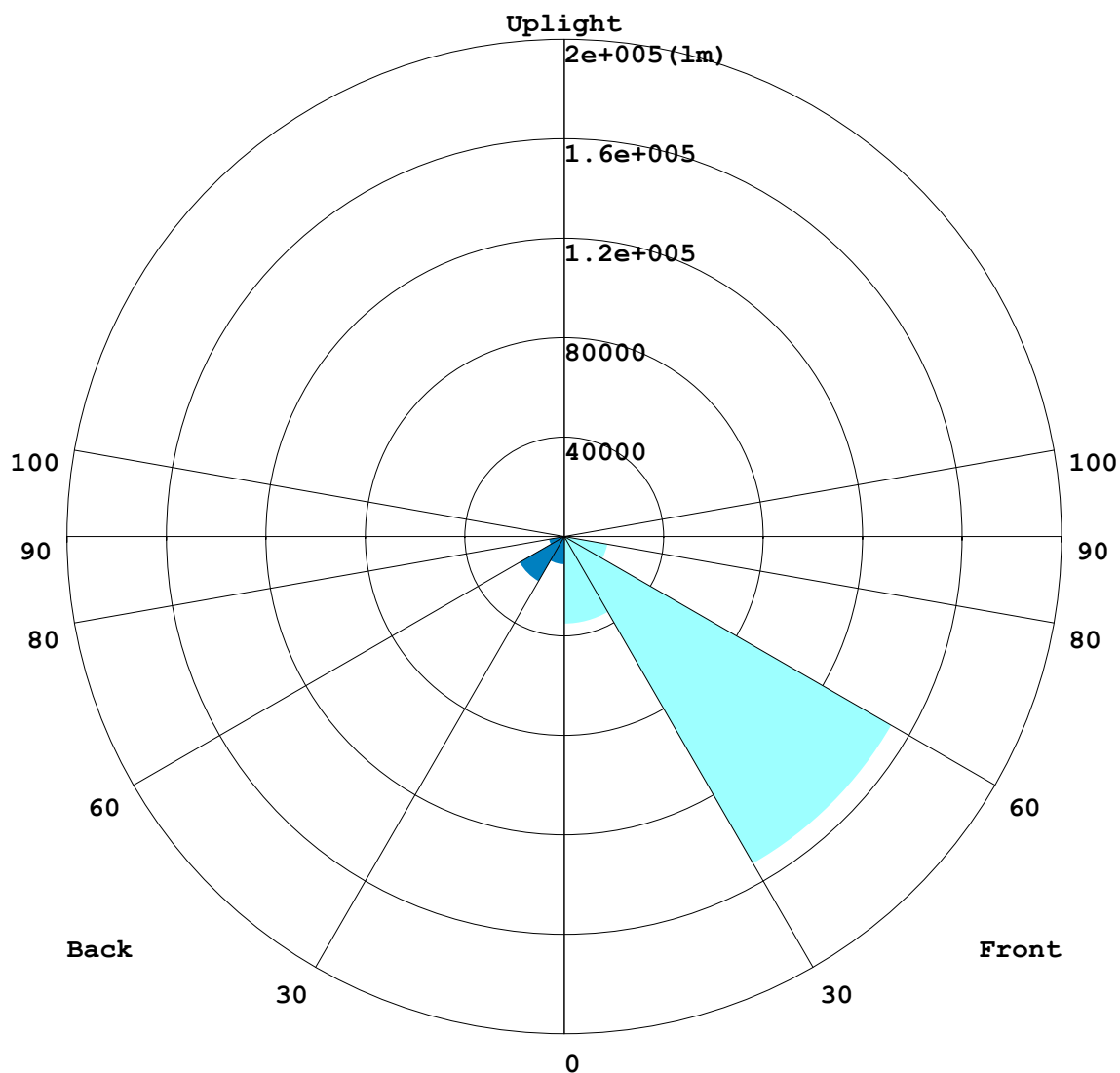
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# 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:243148x1 lm		
NAME: SP04-1K8-5770-F04013	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:2023-03-03

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:243148x1 lm		
NAME: SP04-1K8-5770-F04013	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	35005	14.4
FM - Front-Medium(30-60)	1.5183e+005	62.4
FH - Front-High(60-80)	17613	7.2
FVH - Front-Very High(80-90)	337.94	0.1
Total Forward Light	2.0478e+005	84.2

BL - Back-Low(0-30)	11117	4.6
BM - Back-Medium(30-60)	20749	8.5
BH - Back-High(60-80)	6172.6	2.5
BVH - Back-Very High(80-90)	324.72	0.1
Total Back Light	38363	15.8

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-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	38363	0	38363
Street Side	2.0478e+005	0	2.0478e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-03-03

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:

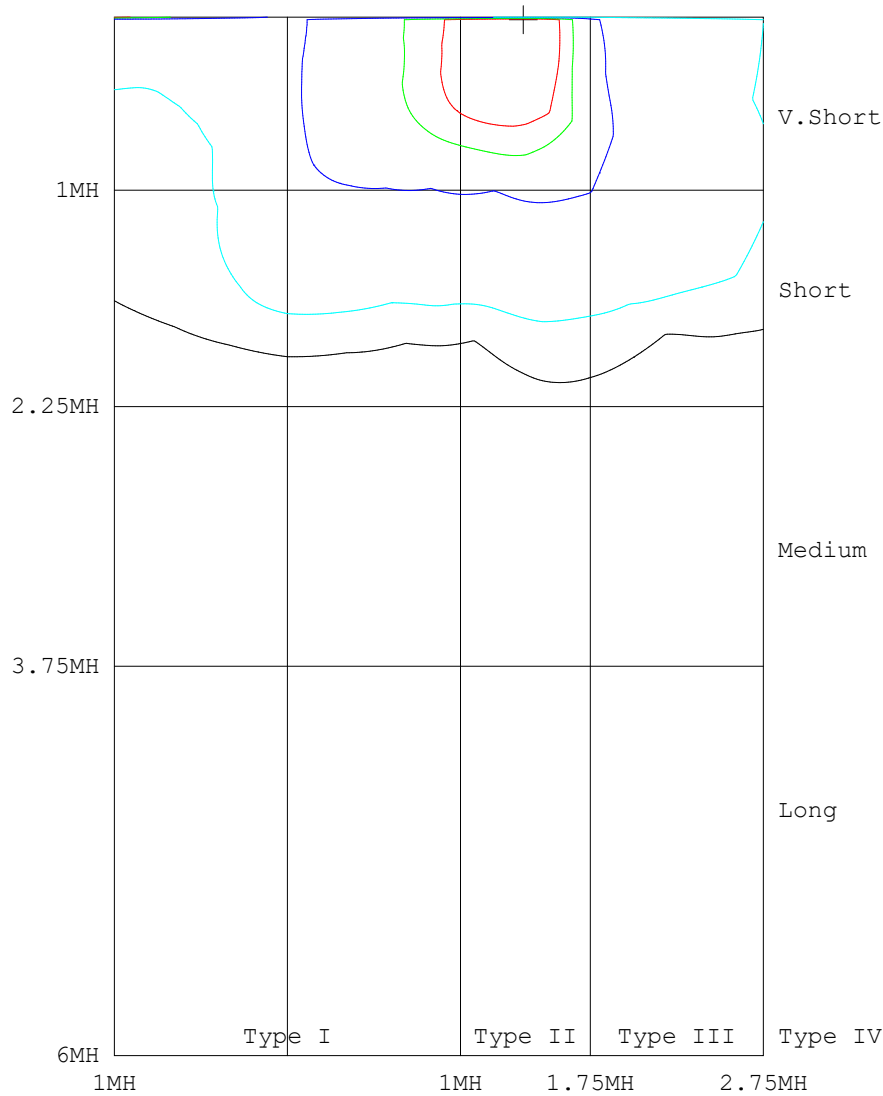


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:243148x1 lm		
NAME: SP04-1K8-5770-F04013	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:2023-03-03

Pavement: 70% 2.3415e+00 Road: 50% 1.6725e+00  
γ Range: 6600±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: