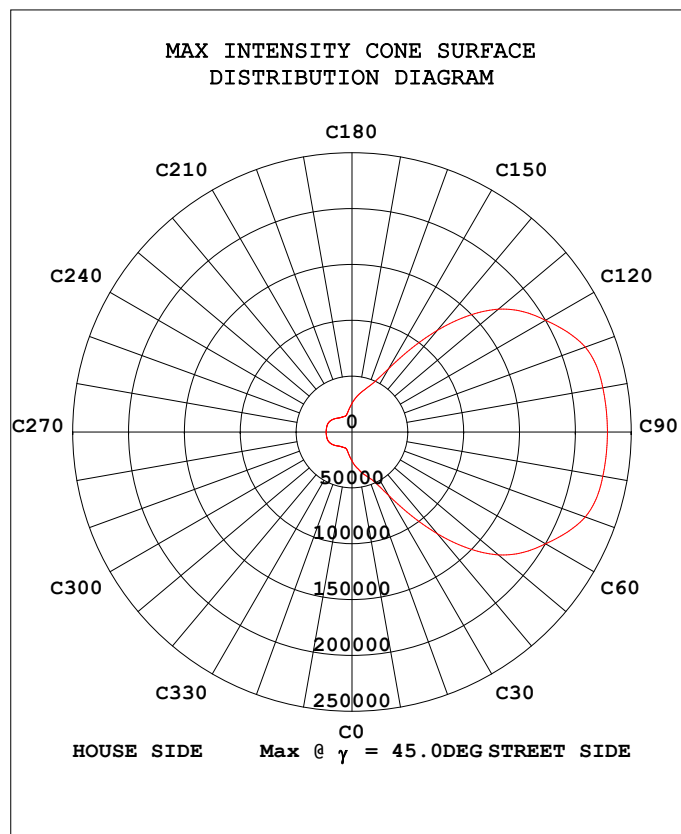
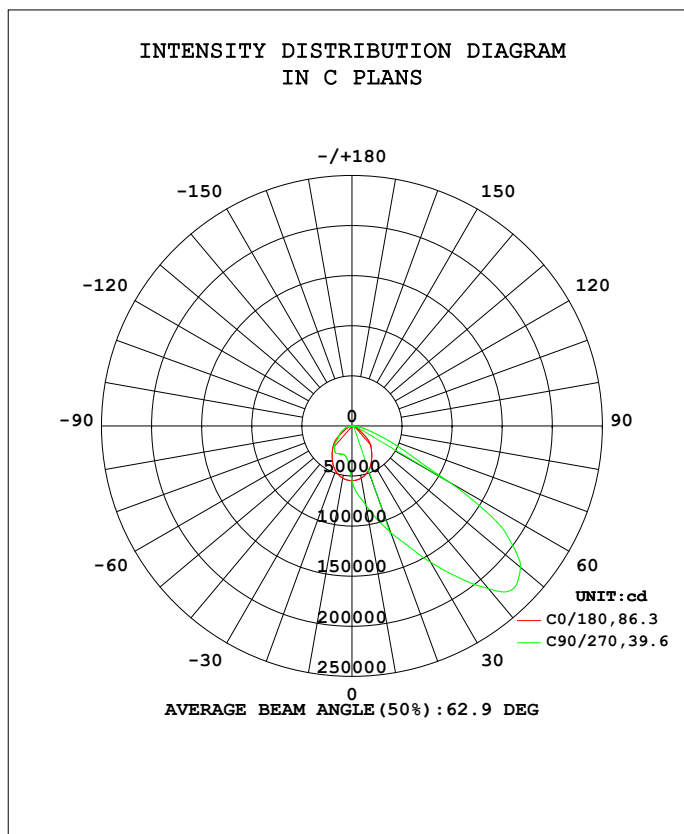


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:6.541A P:1500.0W PF:0.997 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:224642x1 lm		
NAME: SP04-1K5-5770-F04001Z	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

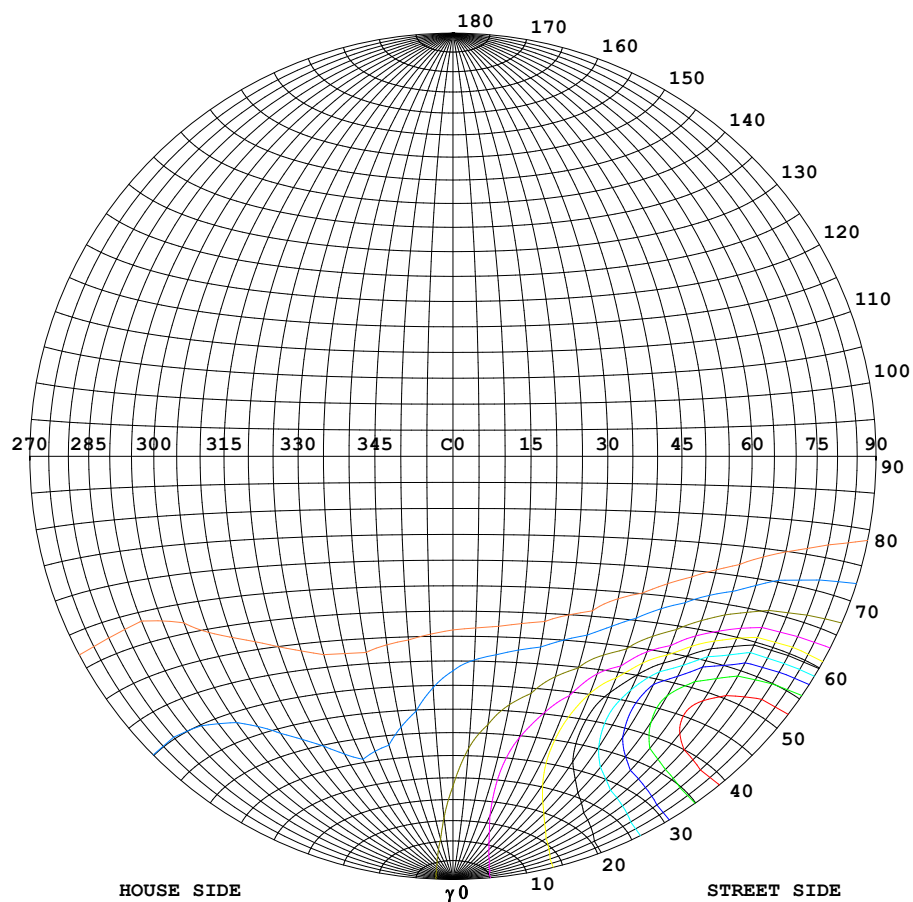
DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.76 lm/W			
MODEL	/	Imax(cd)	228694	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	$\eta$ street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	224642	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	224642	MAXIMUM @ (C, $\gamma$ )	90,45.0	$\eta$ house_down(%)	18.2
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	$\eta$ down(%)	100.0	SLI	



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 14 January 2023

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM



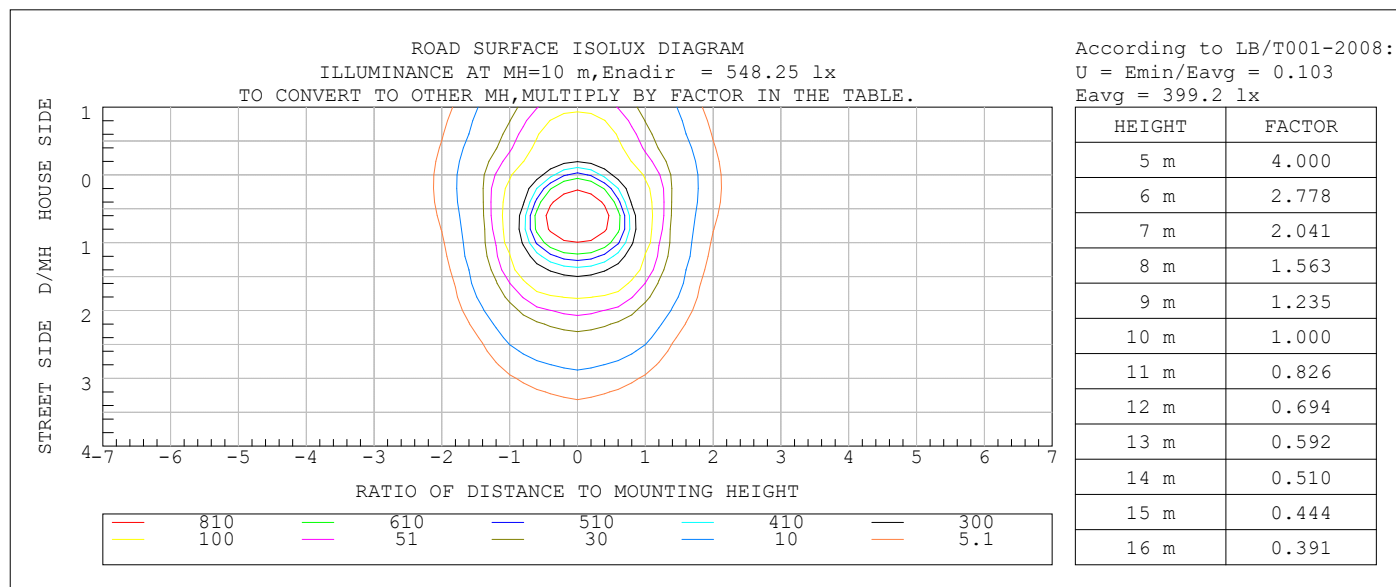
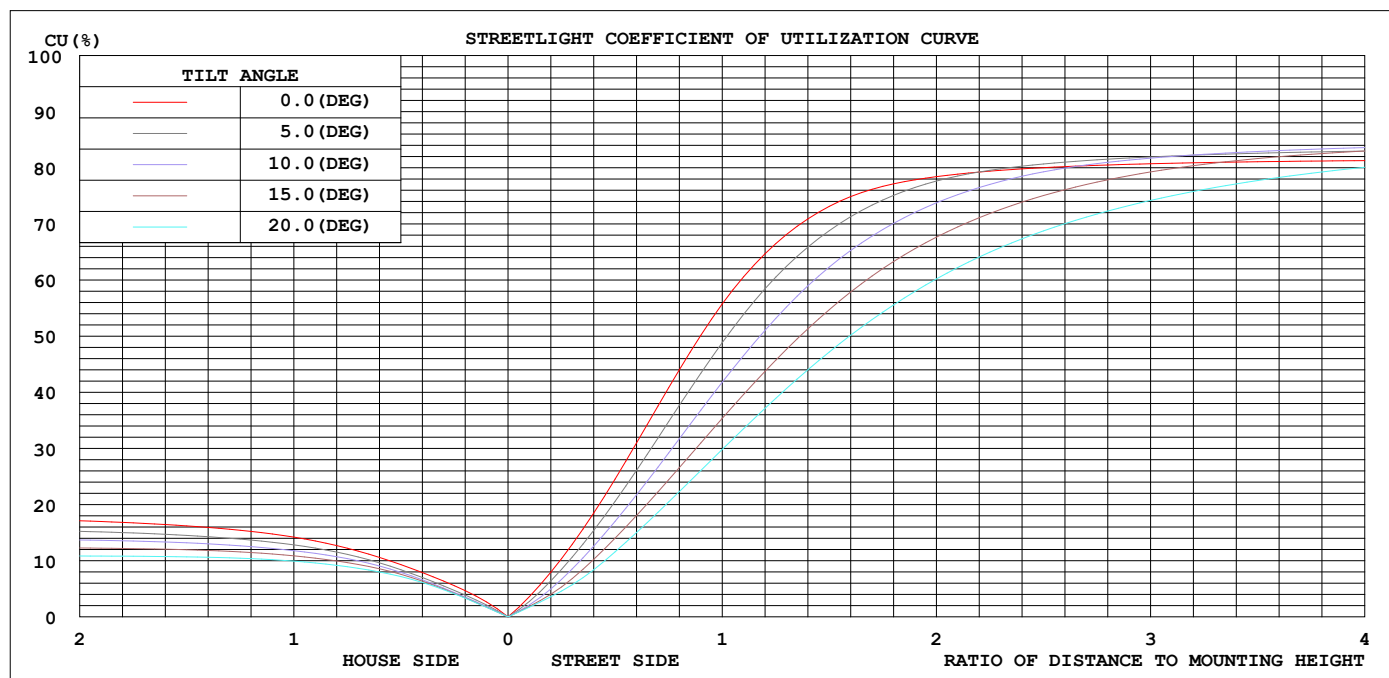
## Classification:

IES:Type II - Very Short  
CIE:Average - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:42.29cd/klm  
Max.At90:0.1090cd/klm  
Max.80-90:42.29cd/klm  
NRB 5101:Limited[1.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	228694
90%	205825
80%	182955
70%	160086
60%	137216
50%	114347
40%	91478
30%	68608
20%	45739
10%	22869
5%	11435

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:14 January 2023

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks:

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: 14 January 2023

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

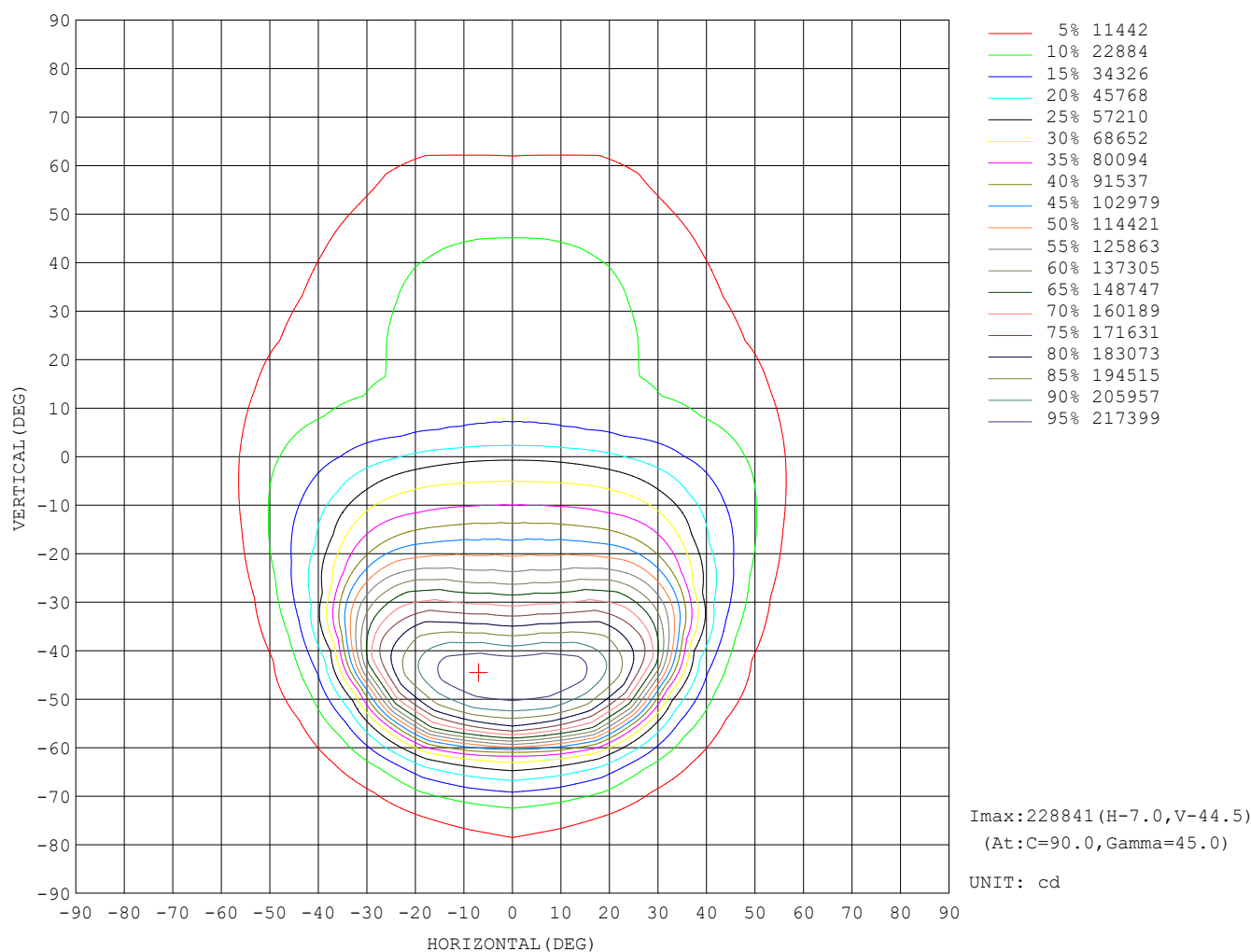
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	529.5	725.7	804.8	725.7	529.5	339.9	321.1	339.9	0- 10	5121	5121	2.28,2.28
20	477.7	920.5	1131	920.5	477.7	275.3	300.1	275.3	10- 20	16099	21219	9.45,9.45
30	392.0	1204	1570	1204	392.0	251.2	315.6	251.2	20- 30	29966	51185	22.8,22.8
40	300.8	1459	2120	1459	300.8	213.5	276.4	213.5	30- 40	47135	98320	43.8,43.8
50	203.7	1161	2194	1161	203.7	147.0	179.3	147.0	40- 50	58479	156799	69.8,69.8
60	86.24	331.0	1124	331.0	86.24	97.83	124.8	97.83	50- 60	44327	201126	89.5,89.5
70	45.39	81.17	310.4	81.17	45.39	48.51	72.84	48.51	60- 70	16882	218008	97,97
80	14.65	22.54	95.00	22.54	14.65	13.87	22.86	13.87	70- 80	5652	223660	99.6,99.6
90	0.2043	0.2228	0.1663	0.2228	0.2043	0.1639	0.2271	0.1639	80- 90	981.8	224642	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
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:14 January 2023

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4556]  
 Remarks:

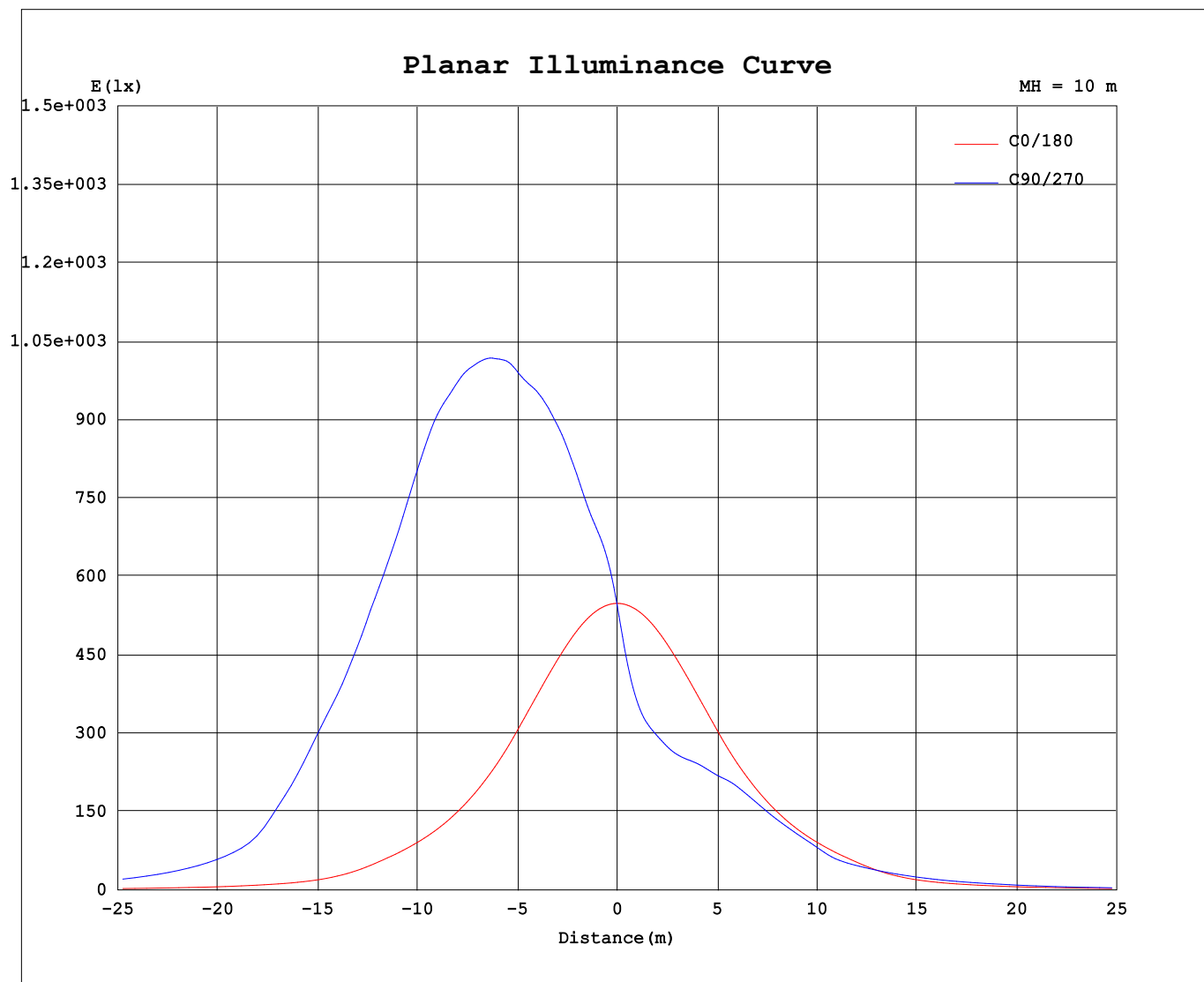
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:14 January 2023

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 14 January 2023

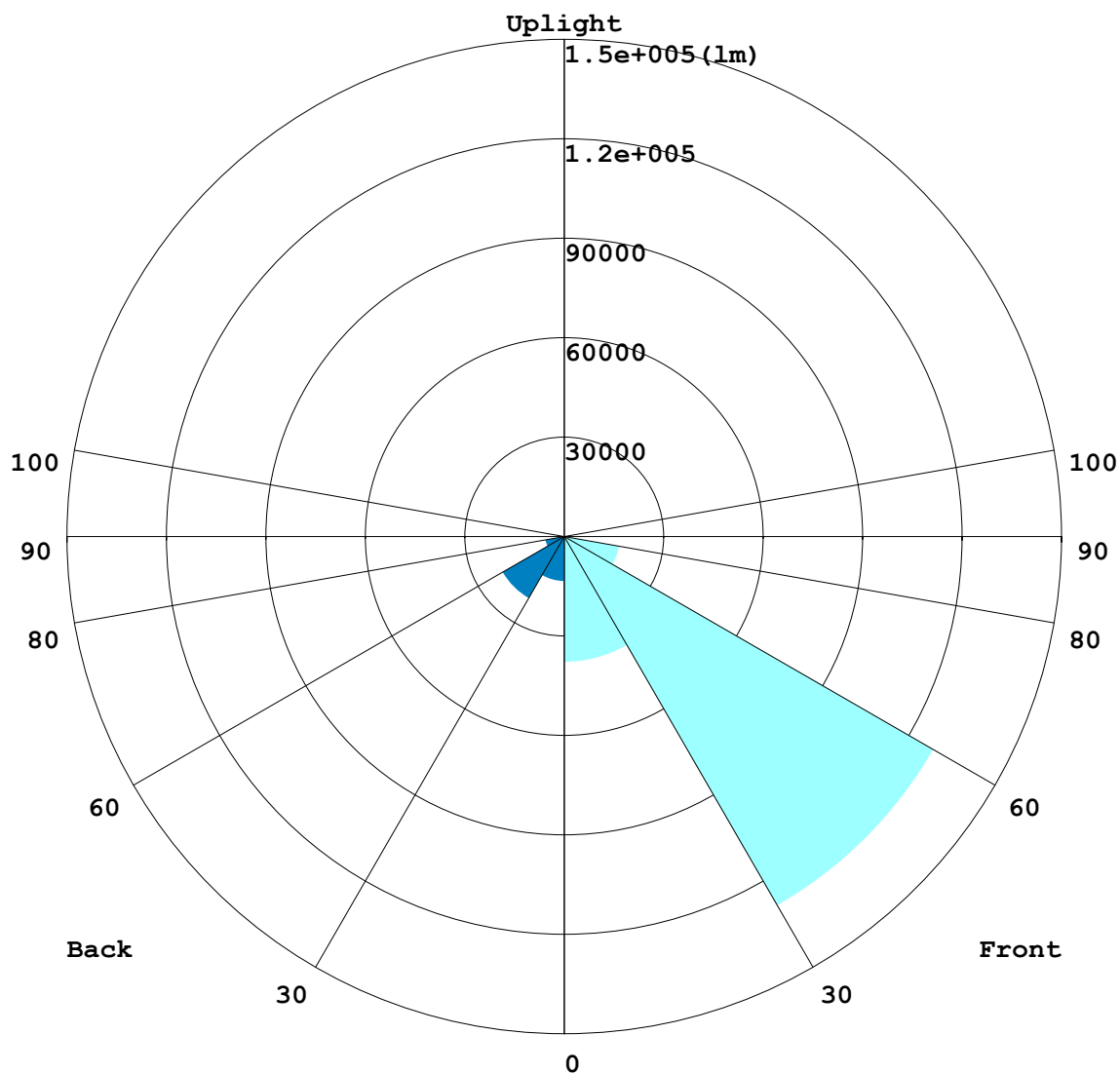
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:6.541A P:1500.0W PF:0.997 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:224642x1 lm		
NAME: SP04-1K5-5770-F04001Z	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:14 January 2023

γ Range: 0 - 90DEG  
 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:6.541A P:1500.0W PF:0.997 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:224642x1 lm		
NAME: SP04-1K5-5770-F04001Z	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	37781	16.8
FM - Front-Medium(30-60)	1.2851e+005	57.2
FH - Front-High(60-80)	16768	7.5
FVH - Front-Very High(80-90)	665.46	0.3
Total Forward Light	1.8372e+005	81.8

BL - Back-Low(0-30)	13404	6.0
BM - Back-Medium(30-60)	21436	9.5
BH - Back-High(60-80)	5766.1	2.6
BVH - Back-Very High(80-90)	316.37	0.1
Total Back Light	40922	18.2

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	40922	0	40922
Street Side	1.8372e+005	0	1.8372e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:14 January 2023

γ Range: 0 - 90DEG  
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:

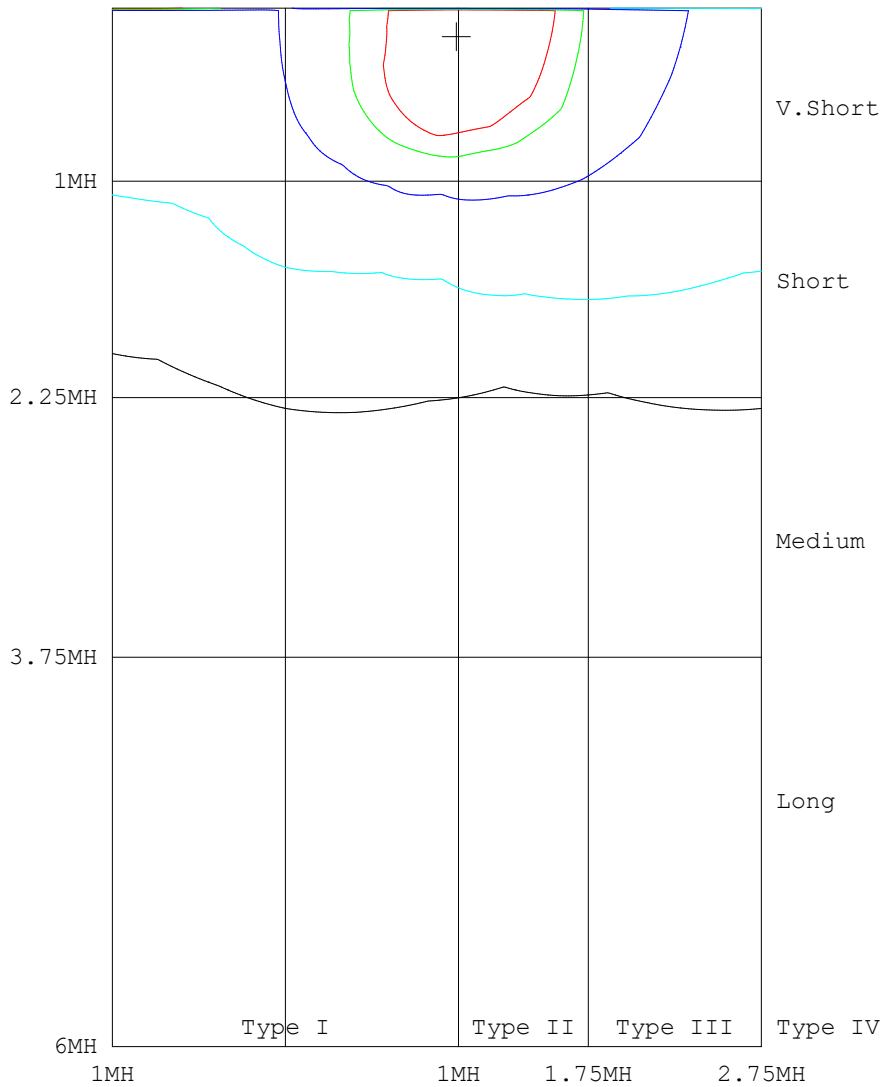


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:6.541A P:1500.0W PF:0.997 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:224642x1 lm		
NAME: SP04-1K5-5770-F04001Z	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°C Operators:LYJ Test Date:14 January 2023

Pavement 70% 1.6016e+005 Road 50% 1.144e+005

Range: 45059 90DEG 2.5% 5719.8 Interval: 0.5DEG

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