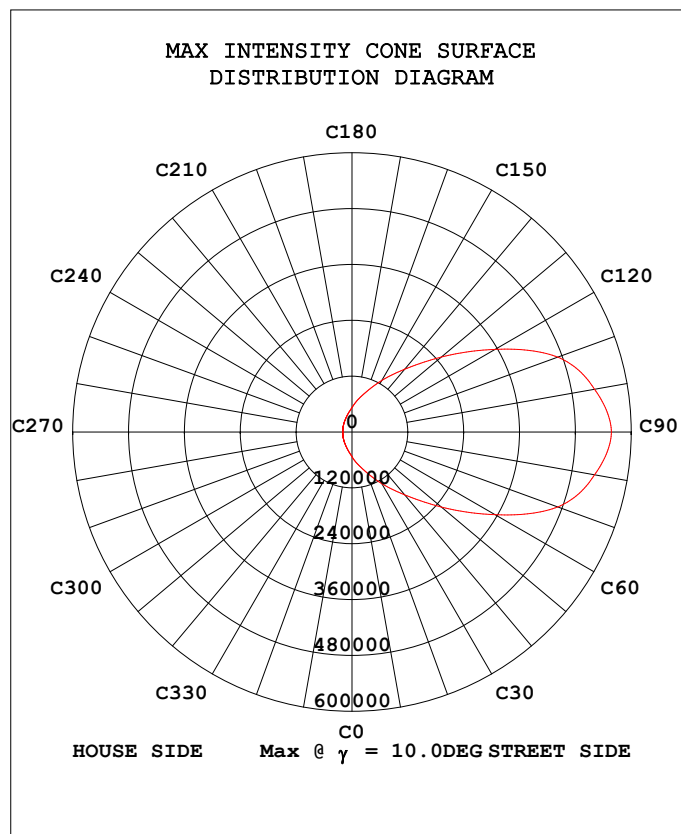
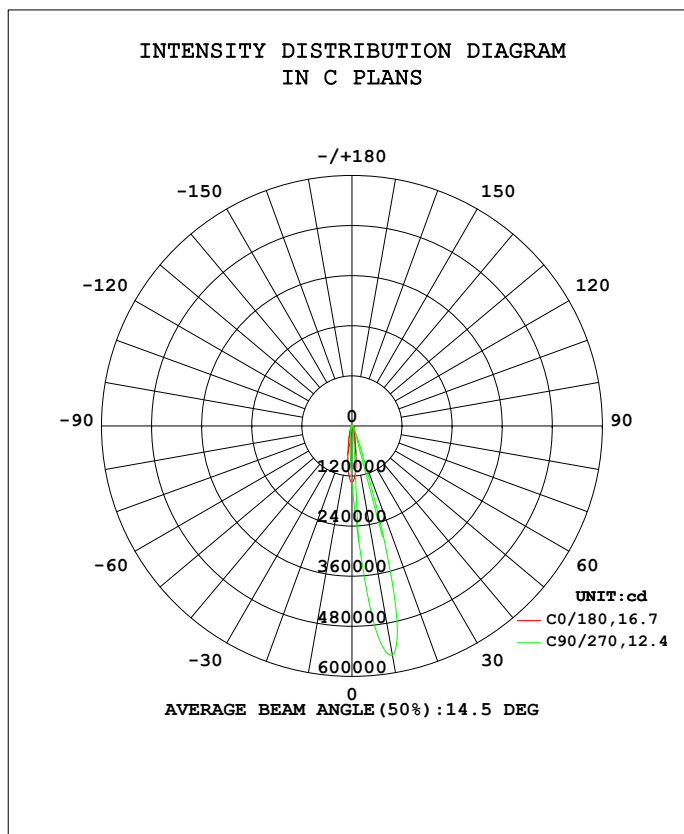


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:49094.4x1 lm		
NAME: SP04-400-5770-F04002X+L130	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

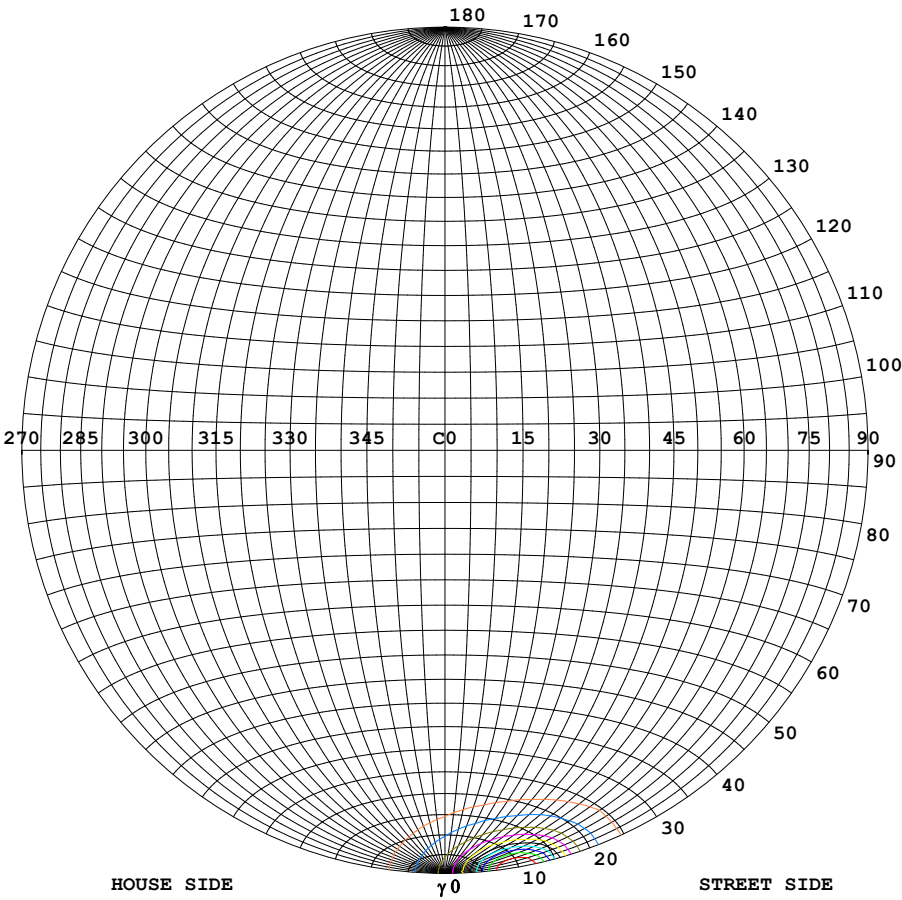
DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.74 lm/W			
MODEL	/	I <sub>max</sub> (cd)	557455	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	78.9
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	49094	η house_up (%)	0.0
NOMINAL FLUX (lm)	49094.4	MAXIMUM @ (C, γ )	90,10.0	η house_down (%)	21.1
LAMPS 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

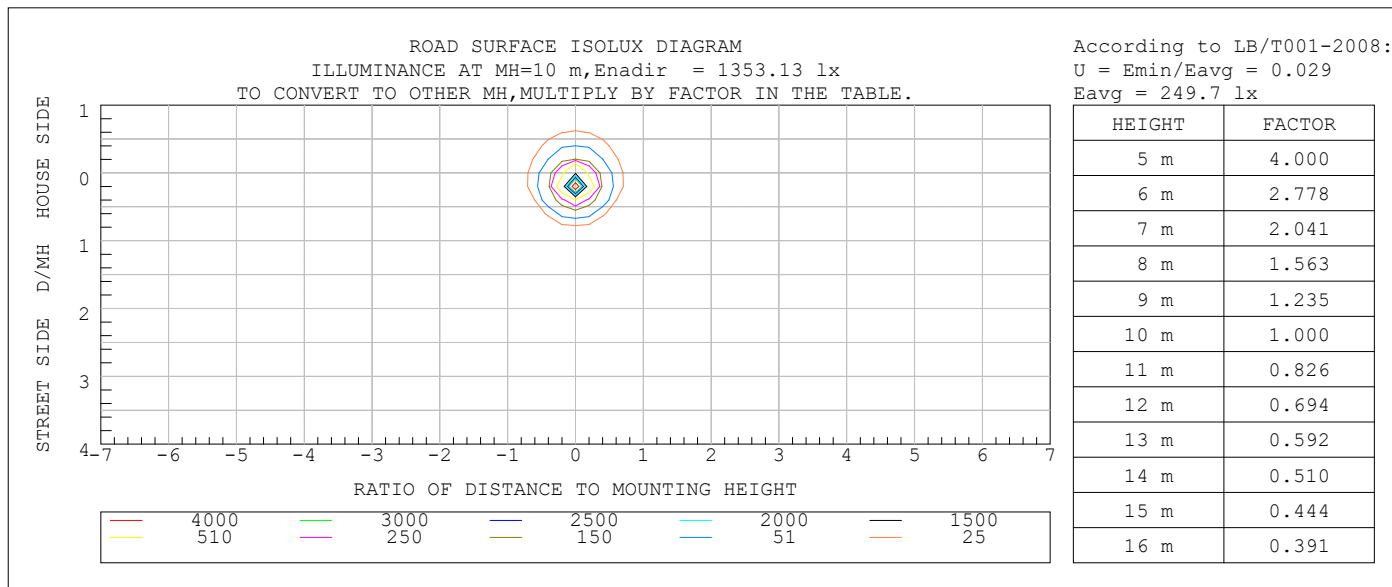
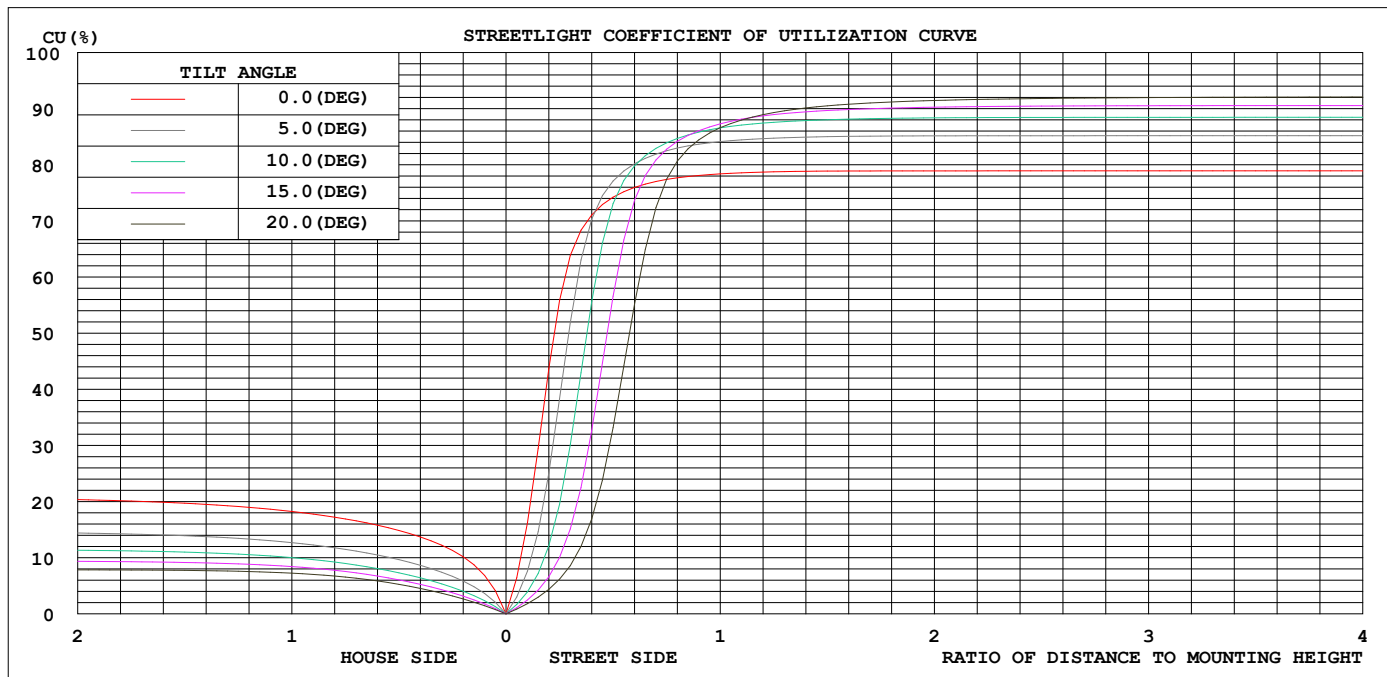


Classification:  
IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:6.230cd/klm  
Max.At90:0cd/klm  
Max.80-90:6.230cd/klm  
NRB 5101:Limited[1.0%]

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		557455
90%		501710
80%		445964
70%		390219
60%		334473
50%		278728
40%		222982
30%		167237
20%		111491
10%		55746
5%		27873

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

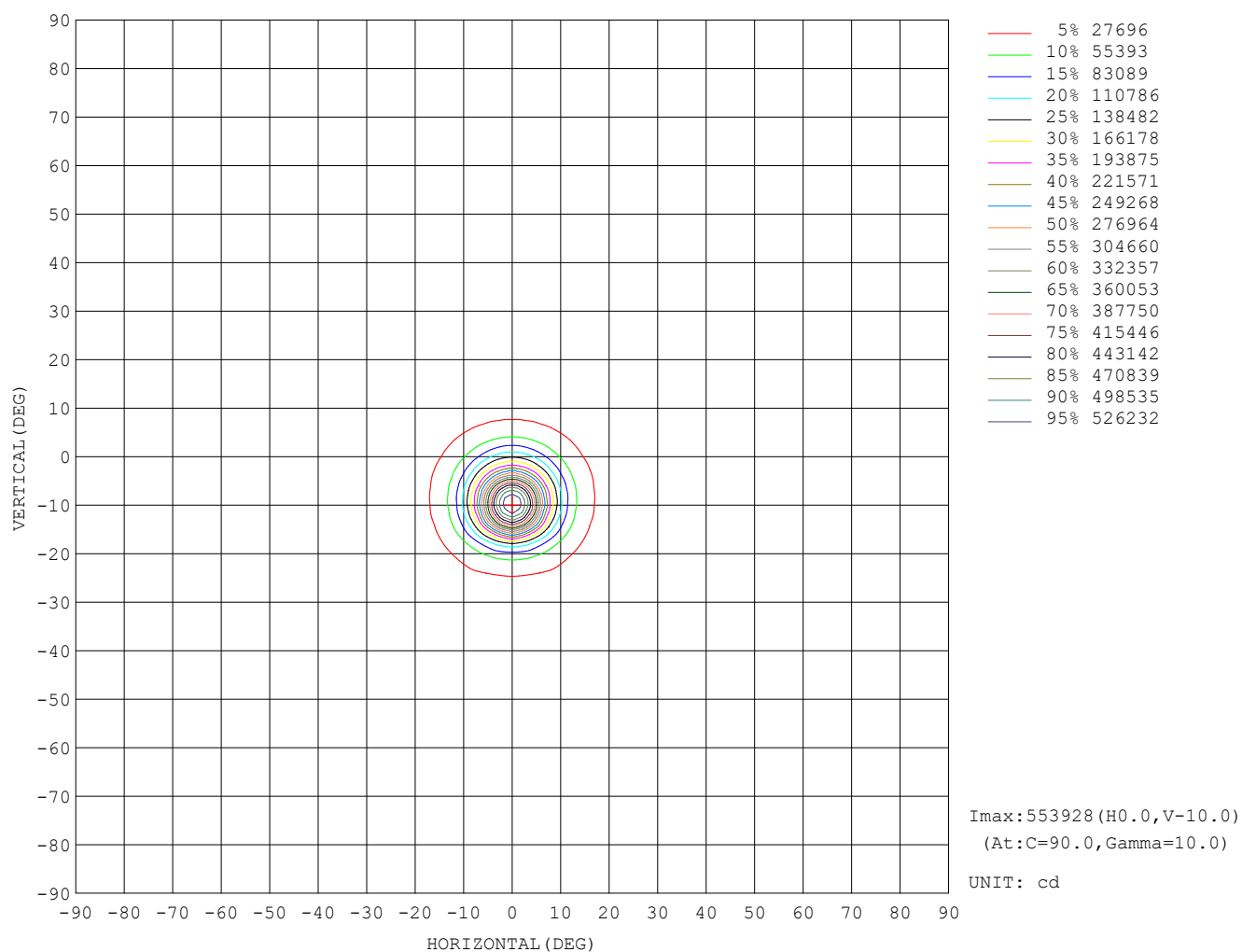
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	526.3	2133	5575	2133	526.3	251.0	198.9	251.0	0- 10	14576	14576	29.7,29.7
20	142.3	388.1	772.1	388.1	142.3	81.51	71.66	81.51	10- 20	20681	35257	71.8,71.8
30	55.45	103.8	124.2	103.8	55.45	44.93	43.52	44.93	20- 30	6018	41275	84.1,84.1
40	33.72	34.66	34.59	34.66	33.72	31.86	31.56	31.86	30- 40	3032	44307	90.2,90.2
50	23.98	15.64	9.180	15.64	23.98	25.41	25.21	25.41	40- 50	2026	46333	94.4,94.4
60	15.74	5.646	0.0564	5.646	15.74	19.19	17.29	19.19	50- 60	1461	47794	97.4,97.4
70	8.043	0.6081	0.0046	0.6081	8.043	10.35	9.405	10.35	60- 70	877.6	48672	99.1,99.1
80	1.999	0.0636	0.0081	0.0636	1.999	2.851	2.525	2.851	70- 80	365.8	49038	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	56.85	49094	100,100
100	0	0	0	0	0	0	0	0	90-100	0	49094	100,100
110	0	0	0	0	0	0	0	0	100-110	0	49094	100,100
120	0	0	0	0	0	0	0	0	110-120	0	49094	100,100
130	0	0	0	0	0	0	0	0	120-130	0	49094	100,100
140	0	0	0	0	0	0	0	0	130-140	0	49094	100,100
150	0	0	0	0	0	0	0	0	140-150	0	49094	100,100
160	0	0	0	0	0	0	0	0	150-160	0	49094	100,100
170	0	0	0	0	0	0	0	0	160-170	0	49094	100,100
180	0	0	0	0	0	0	0	0	170-180	0	49094	100,100
DEG	LUMINOUS INTENSITY:X100cd									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:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

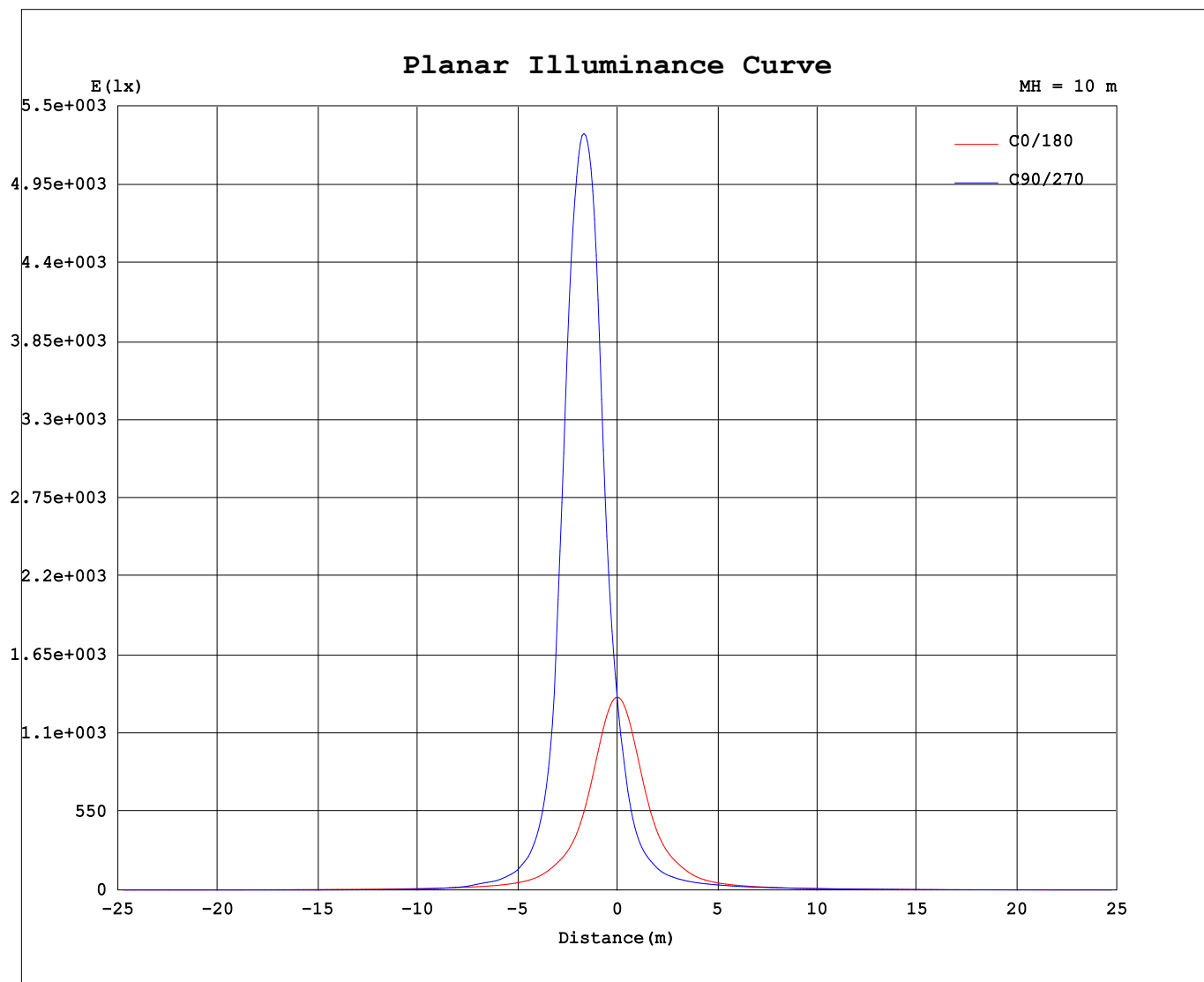
## ISOCANDELA DIAGRAM



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

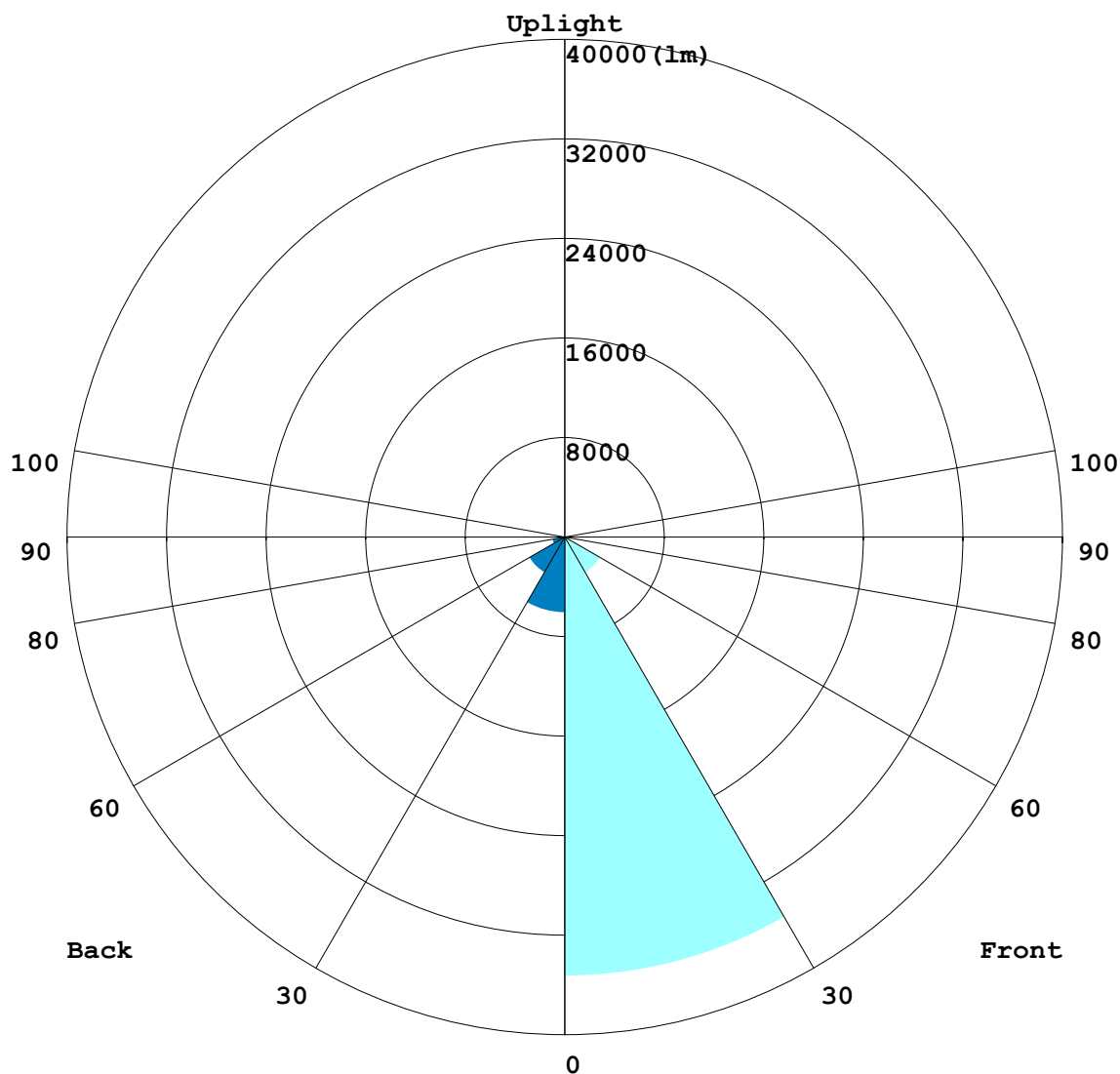
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:49094.4x1 lm		
NAME: SP04-400-5770-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:1.787A P:400.0W PF:0.973 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:49094.4x1 lm		
NAME: SP04-400-5770-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)	35235	71.8
FM - Front-Medium(30-60)	3257.3	6.6
FH - Front-High(60-80)	252.35	0.5
FVH - Front-Very High(80-90)	5.8733	0.0
Total Forward Light	38751	78.9

BL - Back-Low(0-30)	6040	12.3
BM - Back-Medium(30-60)	3261.4	6.6
BH - Back-High(60-80)	991.04	2.0
BVH - Back-Very High(80-90)	50.975	0.1
Total Back Light	10343	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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10343	0	10343
Street Side	38751	0	38751

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:

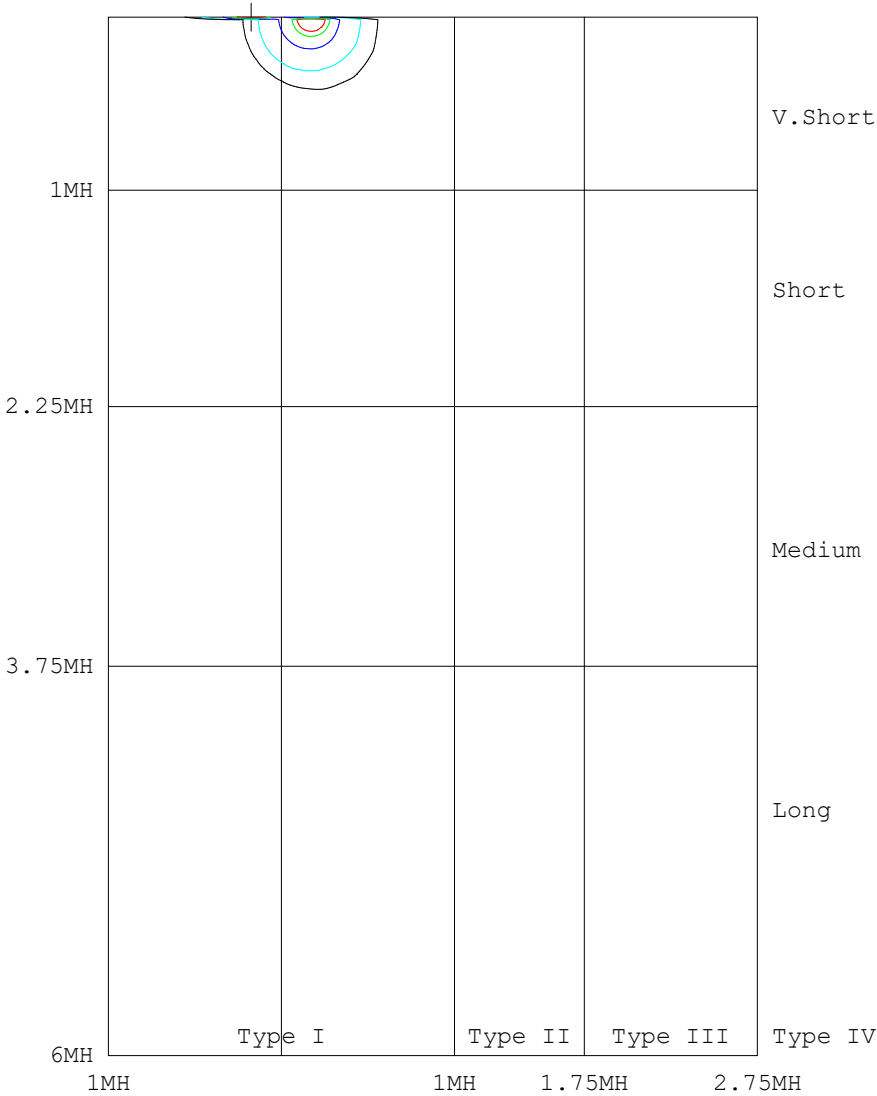


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:49094.4x1 lm		
NAME: SP04-400-5770-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: 70% 3.8783e+00 Road: 50% 2.7702e+00

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