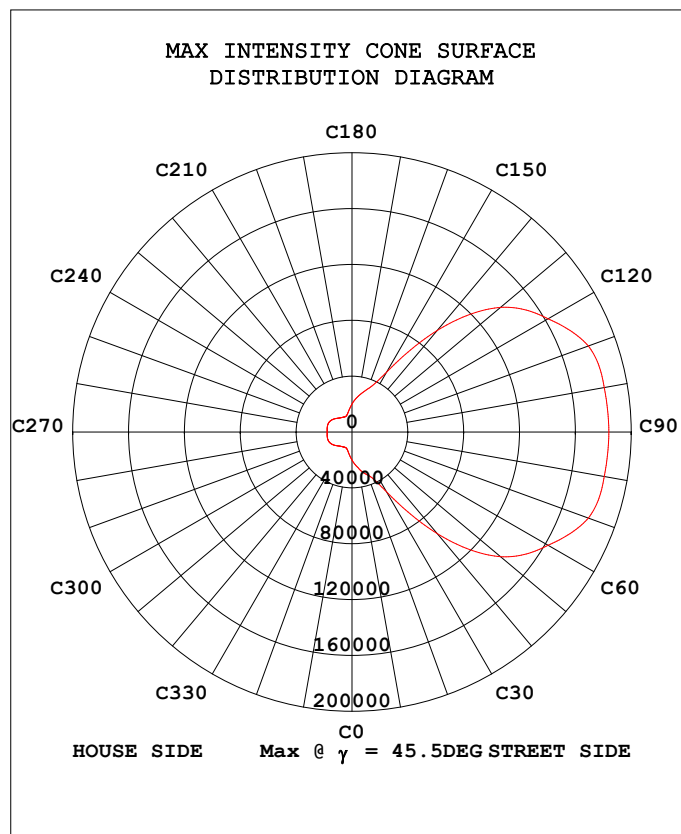
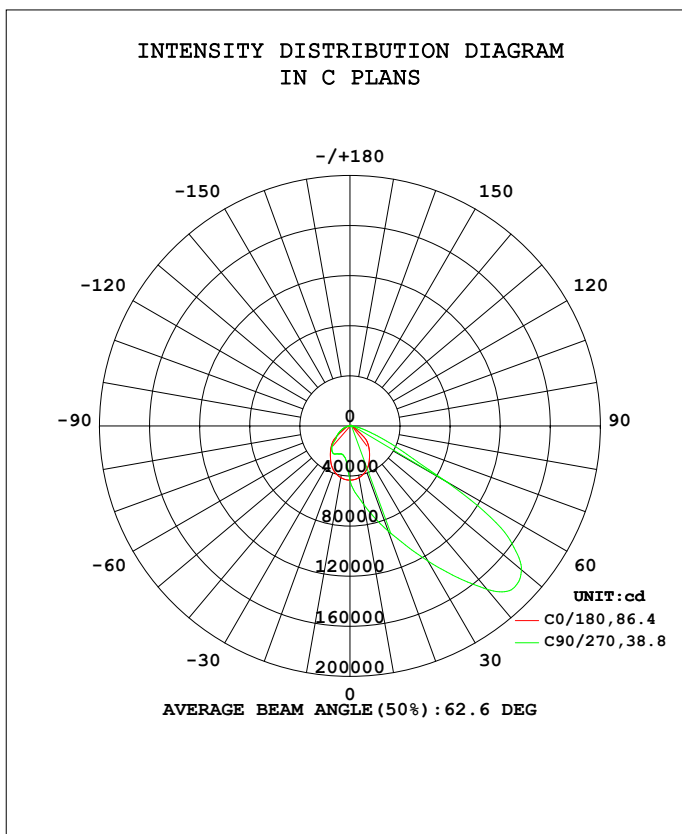


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:5.235A P:1199.3W PF:0.996 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:178714x1 lm		
NAME: SP04-1K2-5770-F04001Z	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

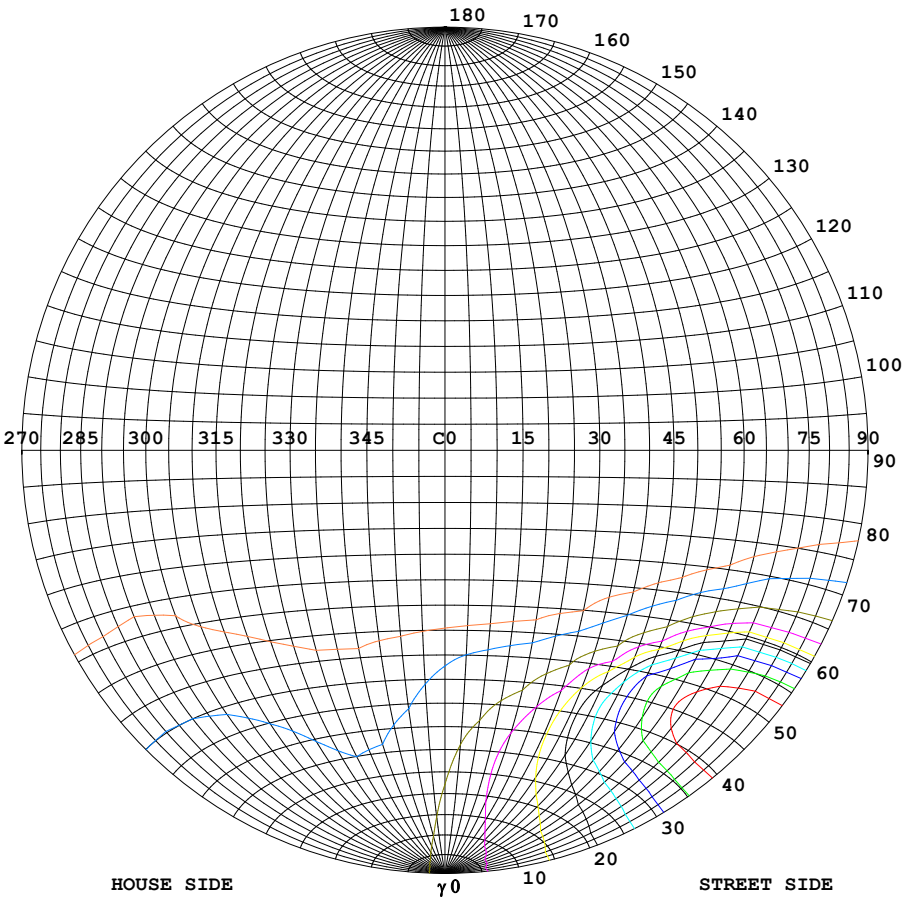
DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.01 lm/W			
MODEL	/	Imax(cd)	183976	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	$\eta$ street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	178714	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	178714	MAXIMUM @ (C, $\gamma$ )	90,45.5	$\eta$ house_down(%)	18.2
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: 2023-04-24

$\gamma$  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

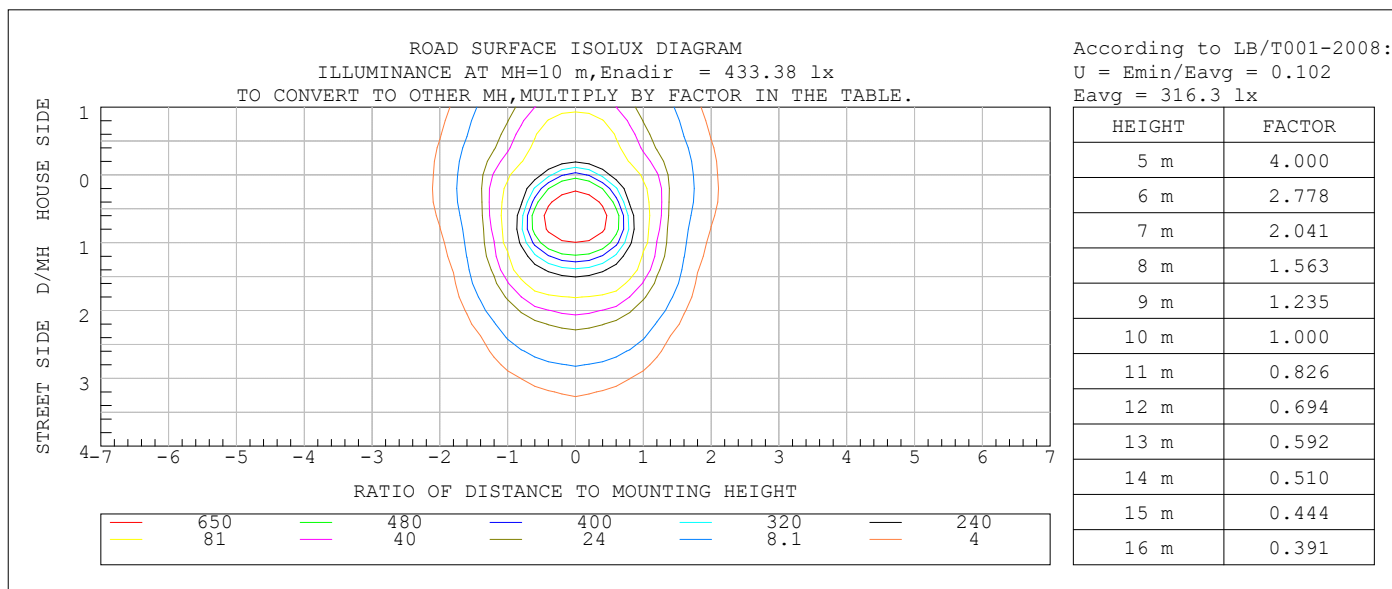
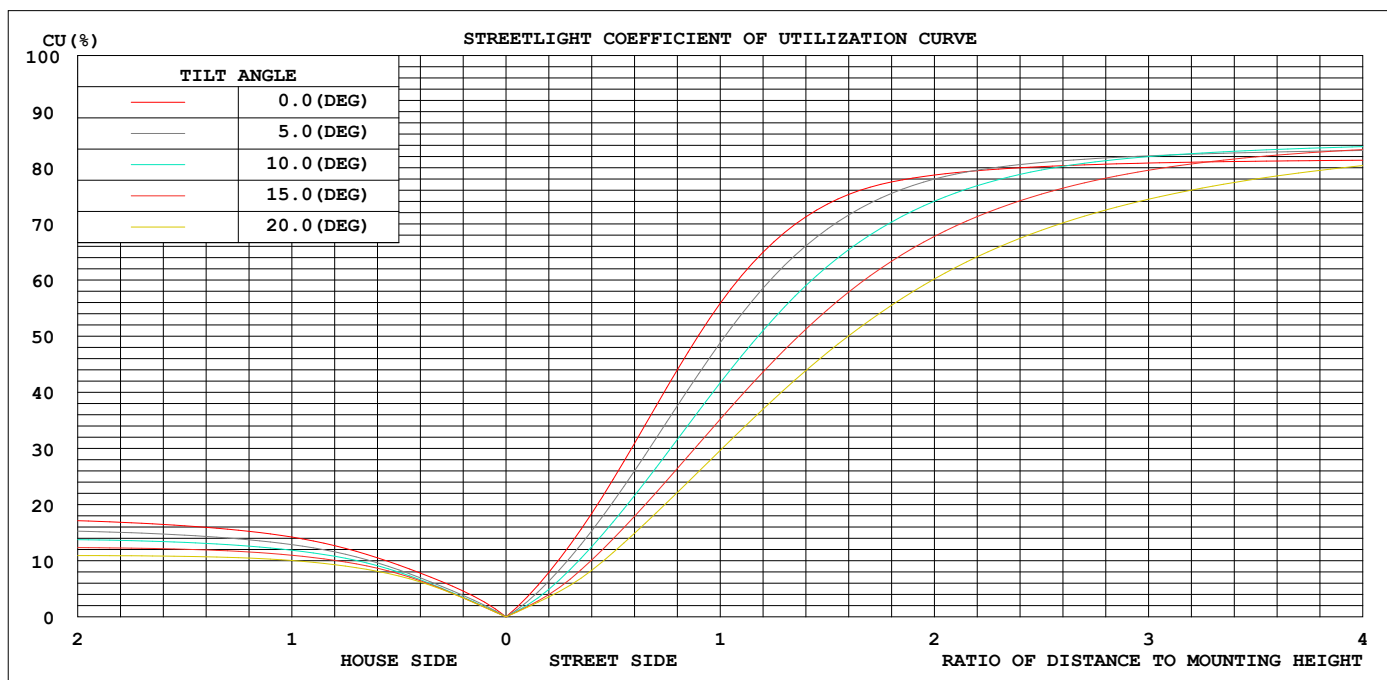


Classification:  
IES:Type II - Very Short  
CIE:Average - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:38.17cd/klm  
Max.At90:0cd/klm  
Max.80-90:38.17cd/klm  
NRB 5101:Limited[1.3%]

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		183976
— 90%		165578
— 80%		147180
— 70%		128783
— 60%		110385
— 50%		91988
— 40%		73590
— 30%		55193
— 20%		36795
— 10%		18398
— 5%		9199

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-24

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:

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: 2023-04-24

$\gamma$  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

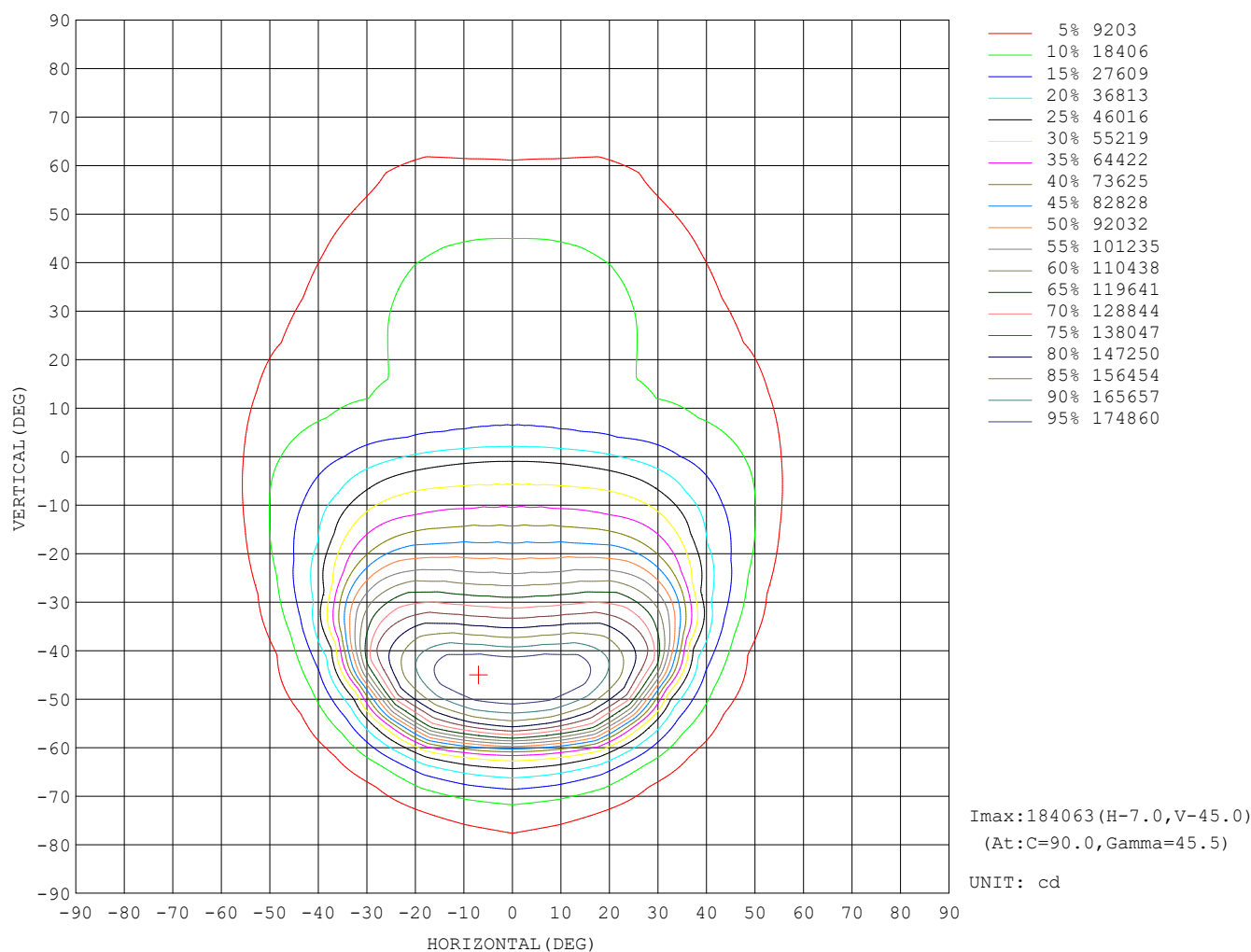
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	419.4	573.4	637.4	573.4	419.4	265.0	251.2	265.0	0- 10	4042	4042	2.26,2.26
20	379.2	730.5	892.3	730.5	379.2	216.3	238.2	216.3	10- 20	12701	16743	9.37,9.37
30	310.3	962.2	1245	962.2	310.3	201.5	257.6	201.5	20- 30	23799	40542	22.7,22.7
40	238.1	1184	1703	1184	238.1	173.5	225.7	173.5	30- 40	37698	78240	43.8,43.8
50	163.1	944.4	1787	944.4	163.1	118.2	142.6	118.2	40- 50	47144	125384	70.2,70.2
60	63.92	245.7	881.4	245.7	63.92	77.92	97.41	77.92	50- 60	35552	160935	90.1,90.1
70	35.24	55.79	231.4	55.79	35.24	37.96	55.89	37.96	60- 70	12881	173817	97.3,97.3
80	11.25	15.90	68.22	15.90	11.25	10.69	16.90	10.69	70- 80	4168	177985	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	728.8	178714	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:2023-04-24

$\gamma$  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:

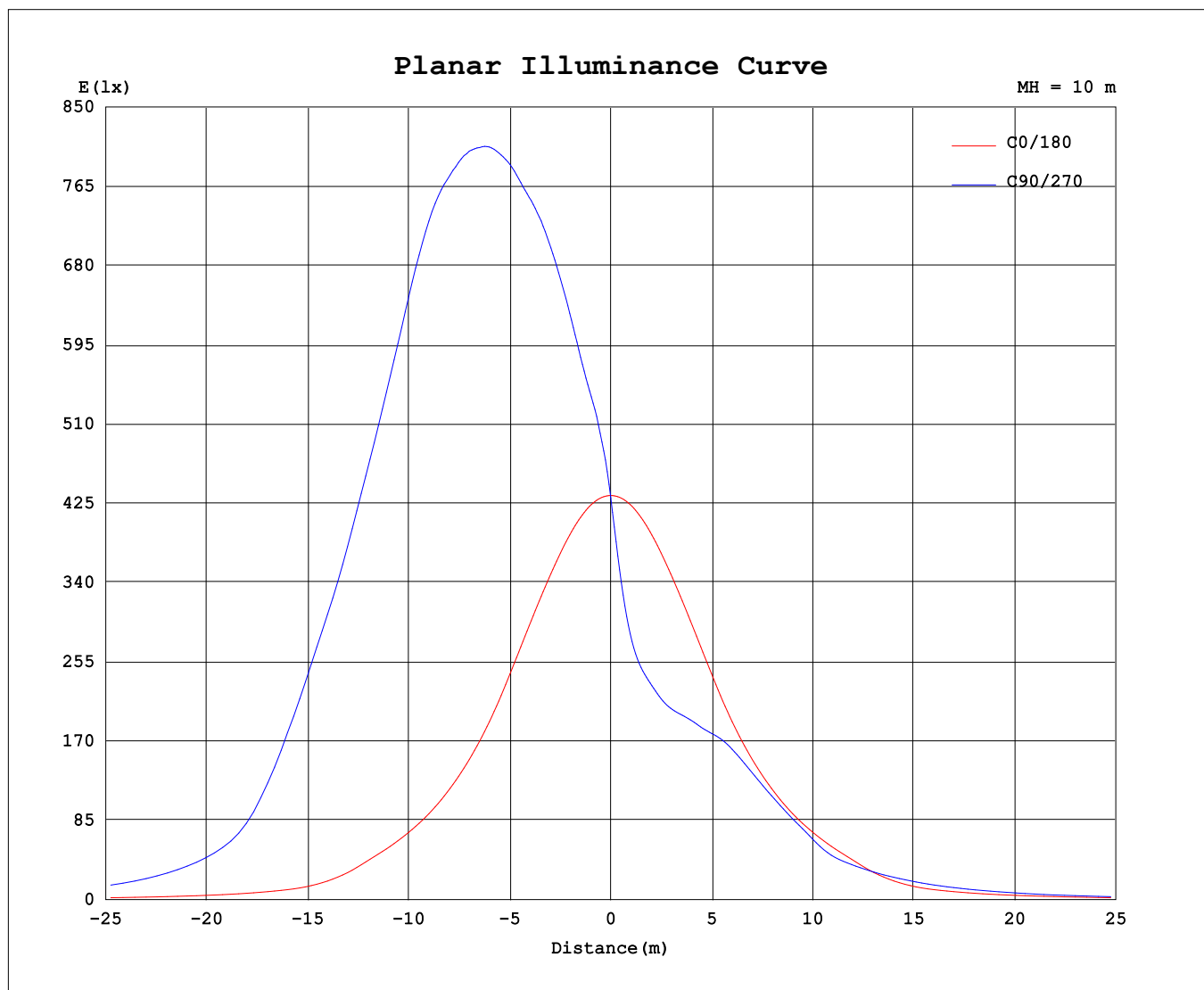
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-24

$\gamma$  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: 2023-04-24

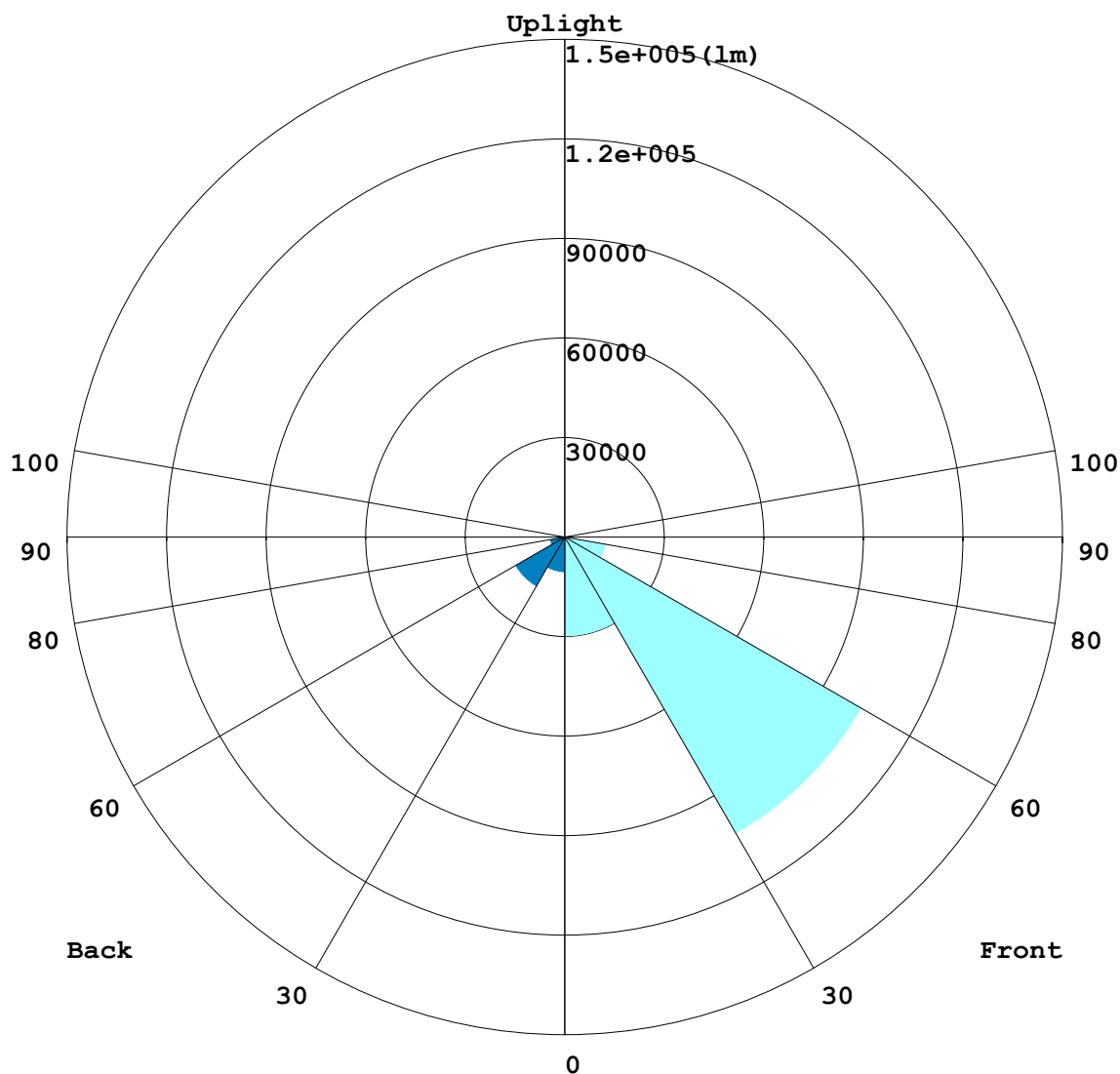
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:5.235A P:1199.3W PF:0.996 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:178714x1 lm		
NAME: SP04-1K2-5770-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:2023-04-24

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:5.235A P:1199.3W PF:0.996 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:178714x1 lm		
NAME: SP04-1K2-5770-F04001Z	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	29960	16.8
FM - Front-Medium(30-60)	1.0321e+005	57.8
FH - Front-High(60-80)	12531	7.0
FVH - Front-Very High(80-90)	484.13	0.3
Total Forward Light	1.4618e+005	81.8

BL - Back-Low(0-30)	10582	5.9
BM - Back-Medium(30-60)	17185	9.6
BH - Back-High(60-80)	4518.4	2.5
BVH - Back-Very High(80-90)	244.69	0.1
Total Back Light	32530	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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	32530	0	32530
Street Side	1.4618e+005	0	1.4618e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-24

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:

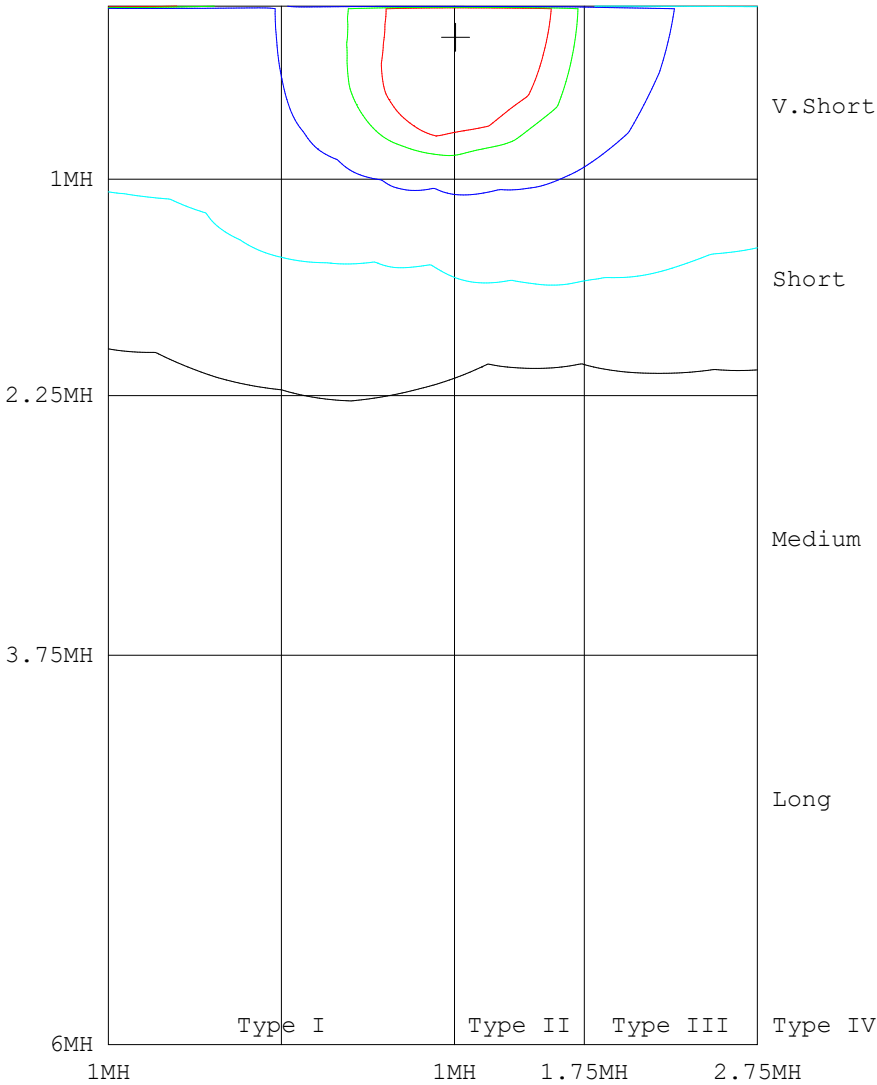


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:5.235A P:1199.3W PF:0.996 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:178714x1 lm		
NAME: SP04-1K2-5770-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:2023-04-24

Pavement: 70% 1.2882e+00 Road: 30% 92013.5% 9201.3

γ Range: 360.5 - 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: