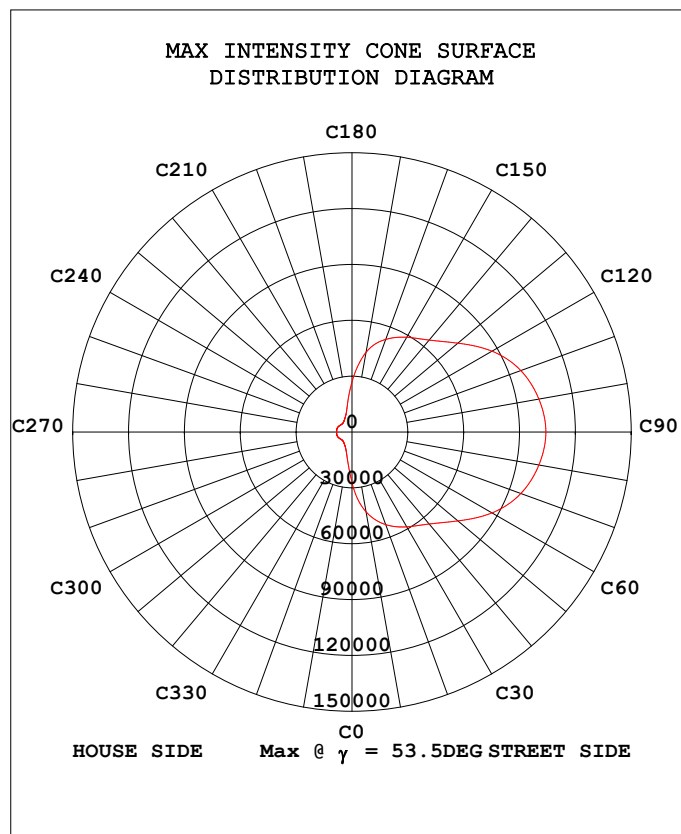
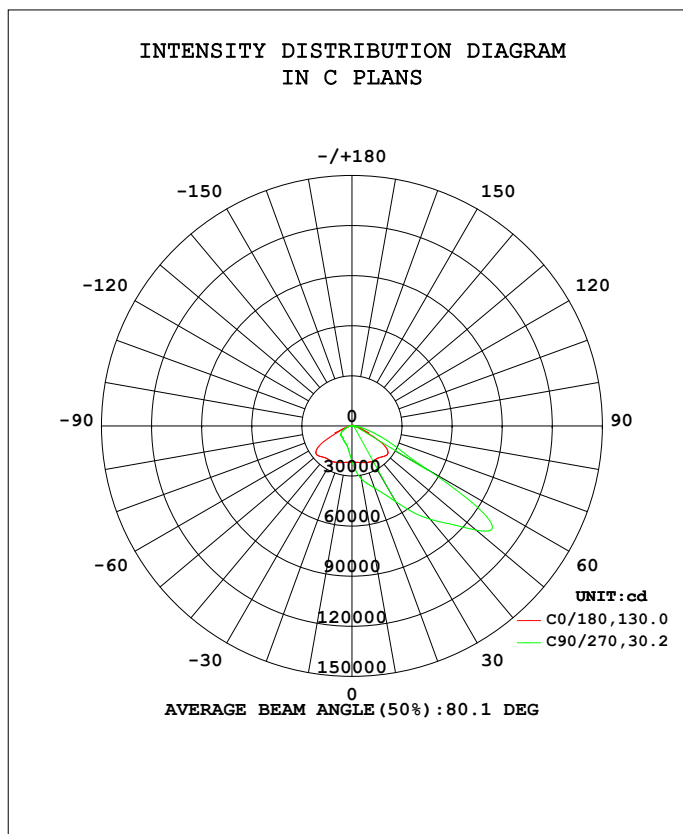


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:4.252A P:963.2W PF:0.985 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:127801x1 lm		
NAME: SP04-960-5770-F04014	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

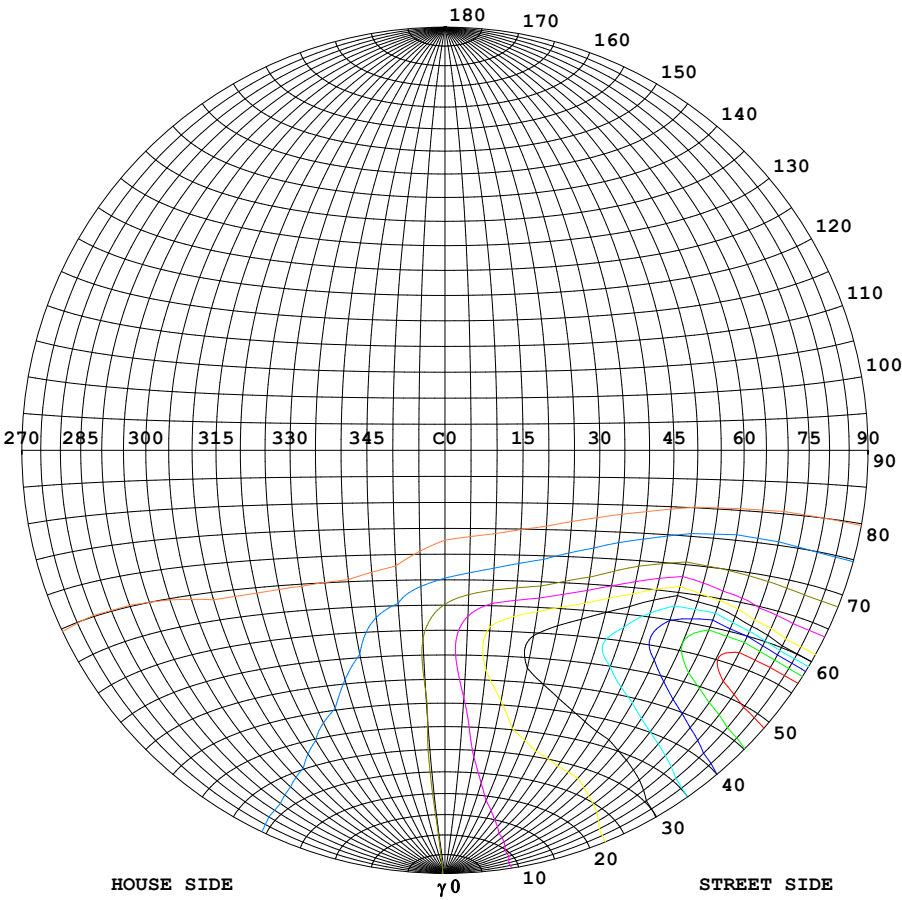
DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.69 lm/W			
MODEL	/	Imax(cd)	104156	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	$\eta$ street_down(%)	82.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	127801	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	127801	MAXIMUM @ (C, $\gamma$ )	90,53.5	$\eta$ house_down(%)	17.7
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:2023-04-28

$\gamma$  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

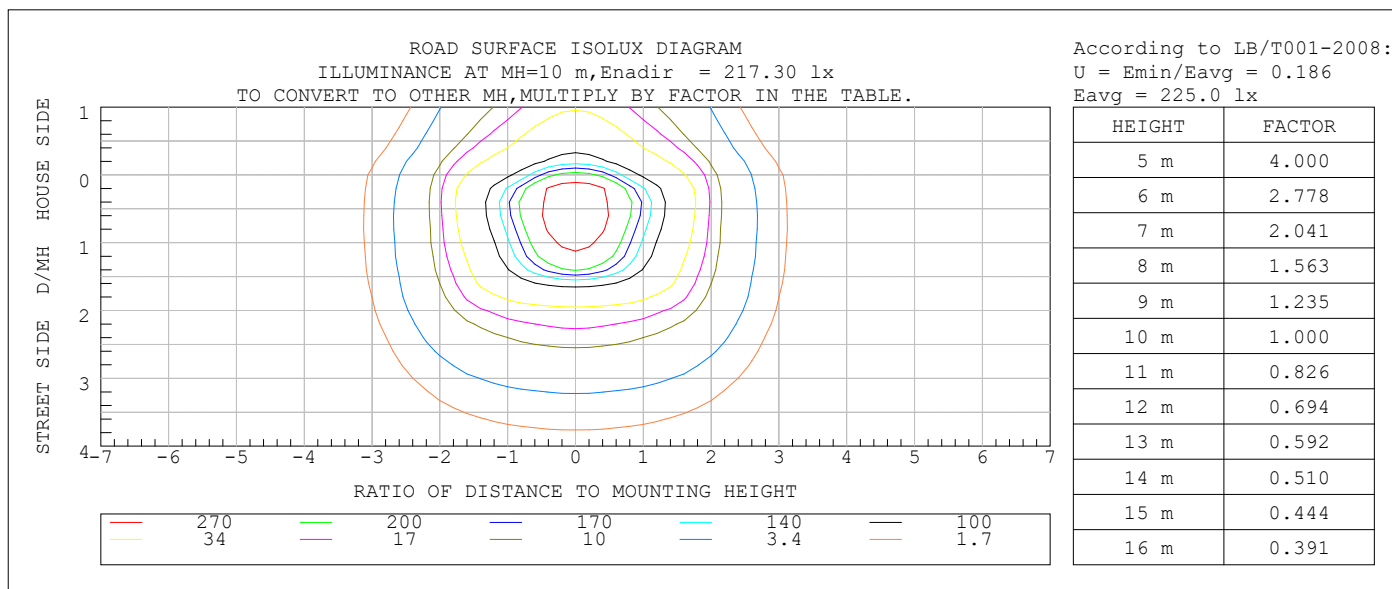
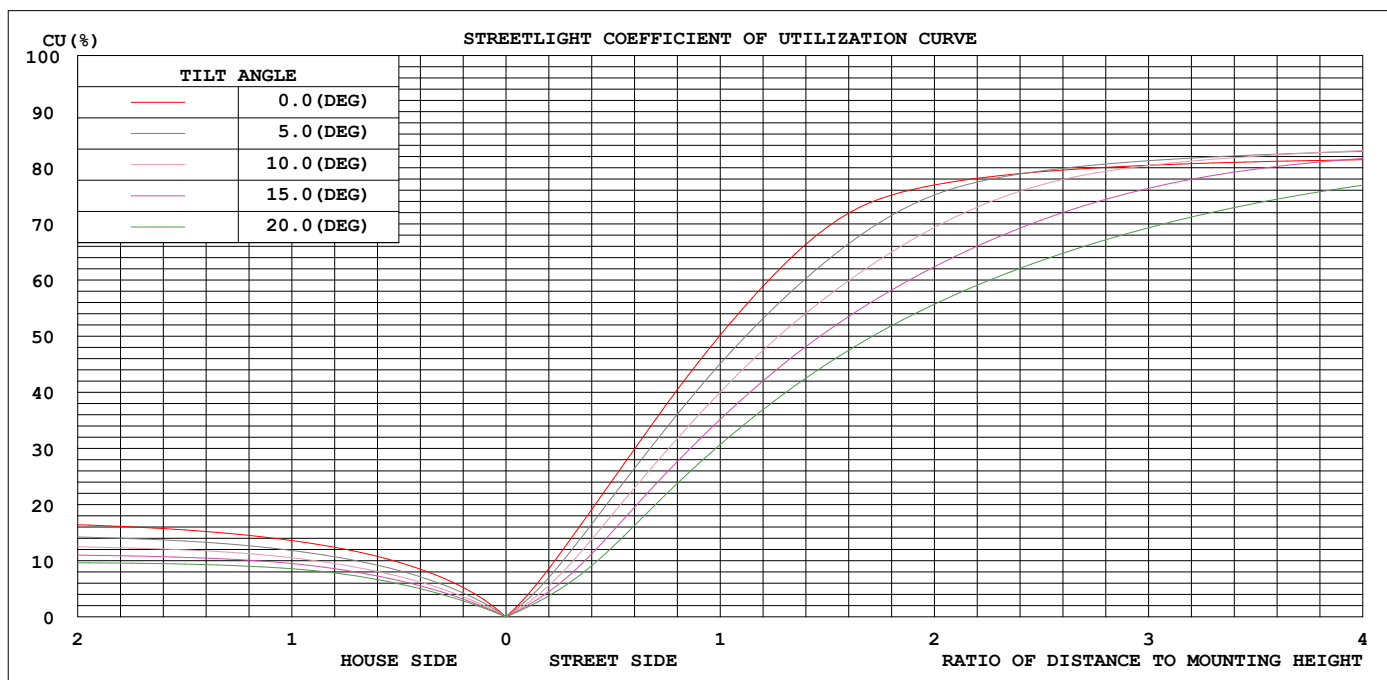


Classification:  
IES:Type II - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:43.68cd/klm  
Max.At90:0cd/klm  
Max.80-90:43.68cd/klm  
NRB 5101:Limited[4.4%]

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		104156
90%		93740
80%		83325
70%		72909
60%		62493
50%		52078
40%		41662
30%		31247
20%		20831
10%		10416
5%		5208

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-28

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: 2023-04-28

$\gamma$  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

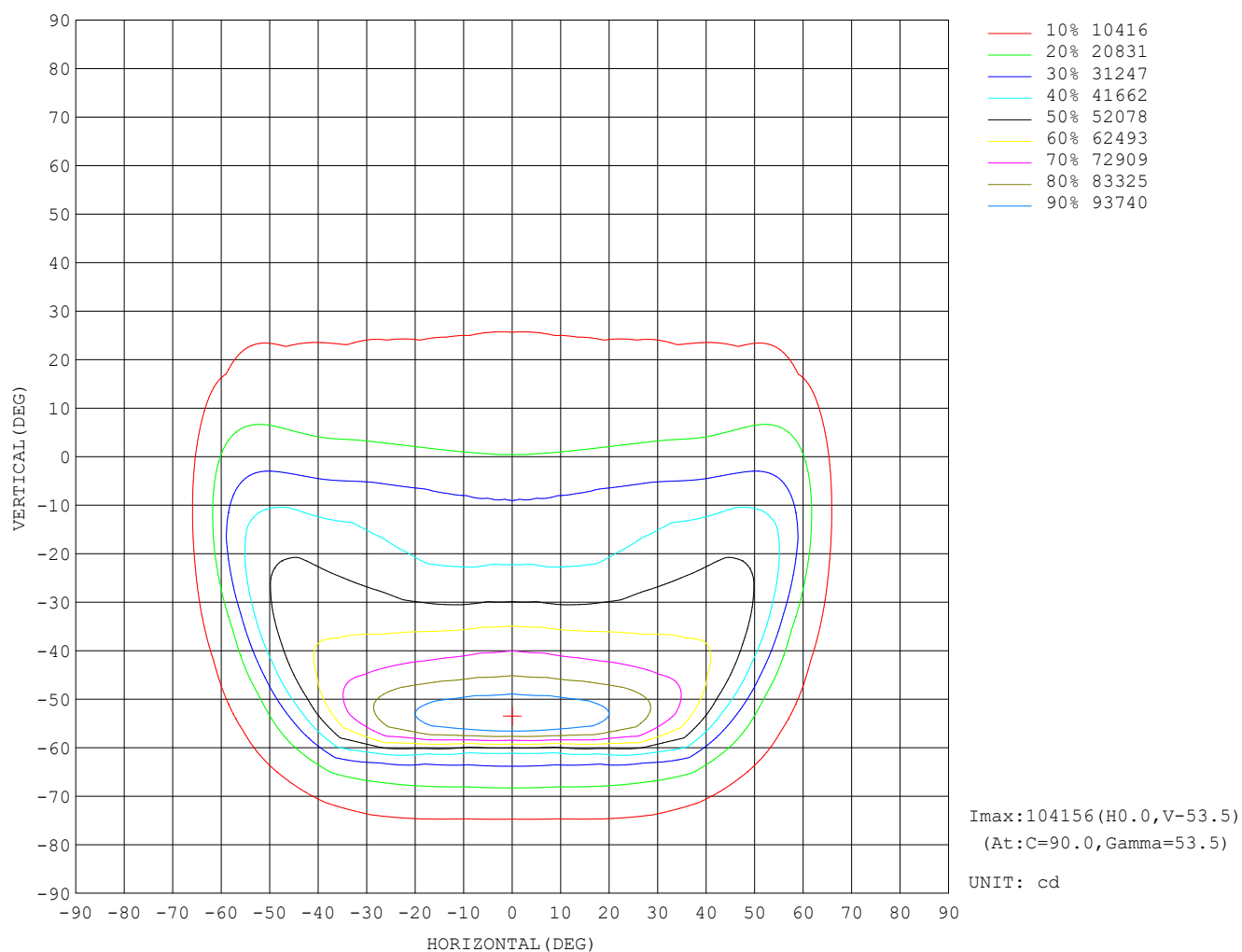
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	221.7	298.1	320.7	298.1	221.7	152.8	136.0	152.8	0- 10	2090	2090	1.64,1.64
20	233.5	367.6	395.1	367.6	233.5	122.7	110.6	122.7	10- 20	6664	8754	6.85,6.85
30	244.3	429.5	523.1	429.5	244.3	107.2	99.60	107.2	20- 30	11962	20716	16.2,16.2
40	249.3	556.6	728.9	556.6	249.3	92.95	90.15	92.95	30- 40	19005	39722	31.1,31.1
50	271.9	659.4	970.3	659.4	271.9	74.96	87.48	74.96	40- 50	27902	67624	52.9,52.9
60	211.1	647.6	527.3	647.6	211.1	59.22	67.42	59.22	50- 60	34636	102261	80,80
70	66.50	201.8	174.9	201.8	66.50	36.75	43.28	36.75	60- 70	18188	120448	94.2,94.2
80	21.33	48.47	50.03	48.47	21.33	10.87	16.91	10.87	70- 80	6199	126648	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	1153	127801	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:2023-04-28

$\gamma$  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:

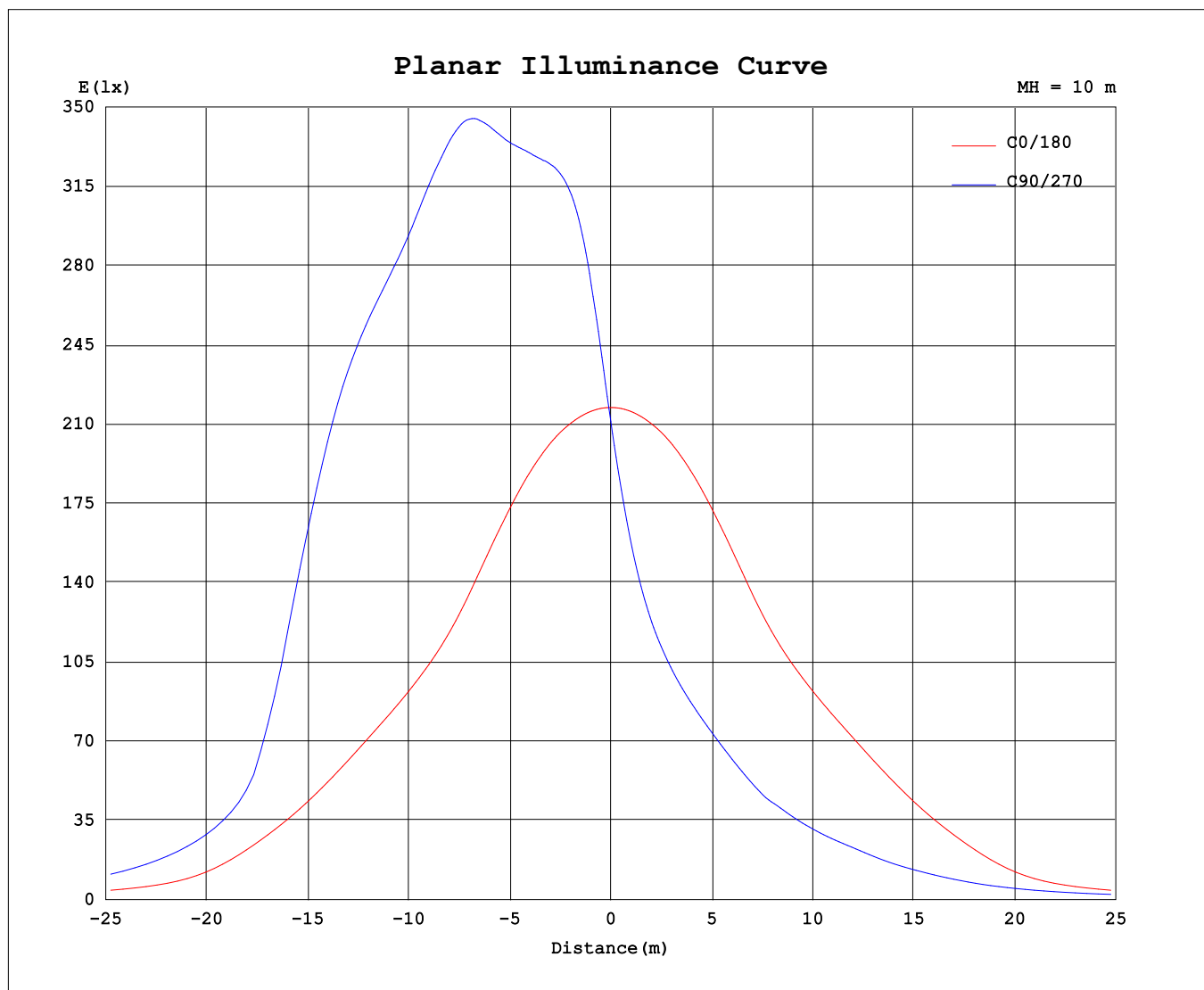
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-28

$\gamma$  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: 2023-04-28

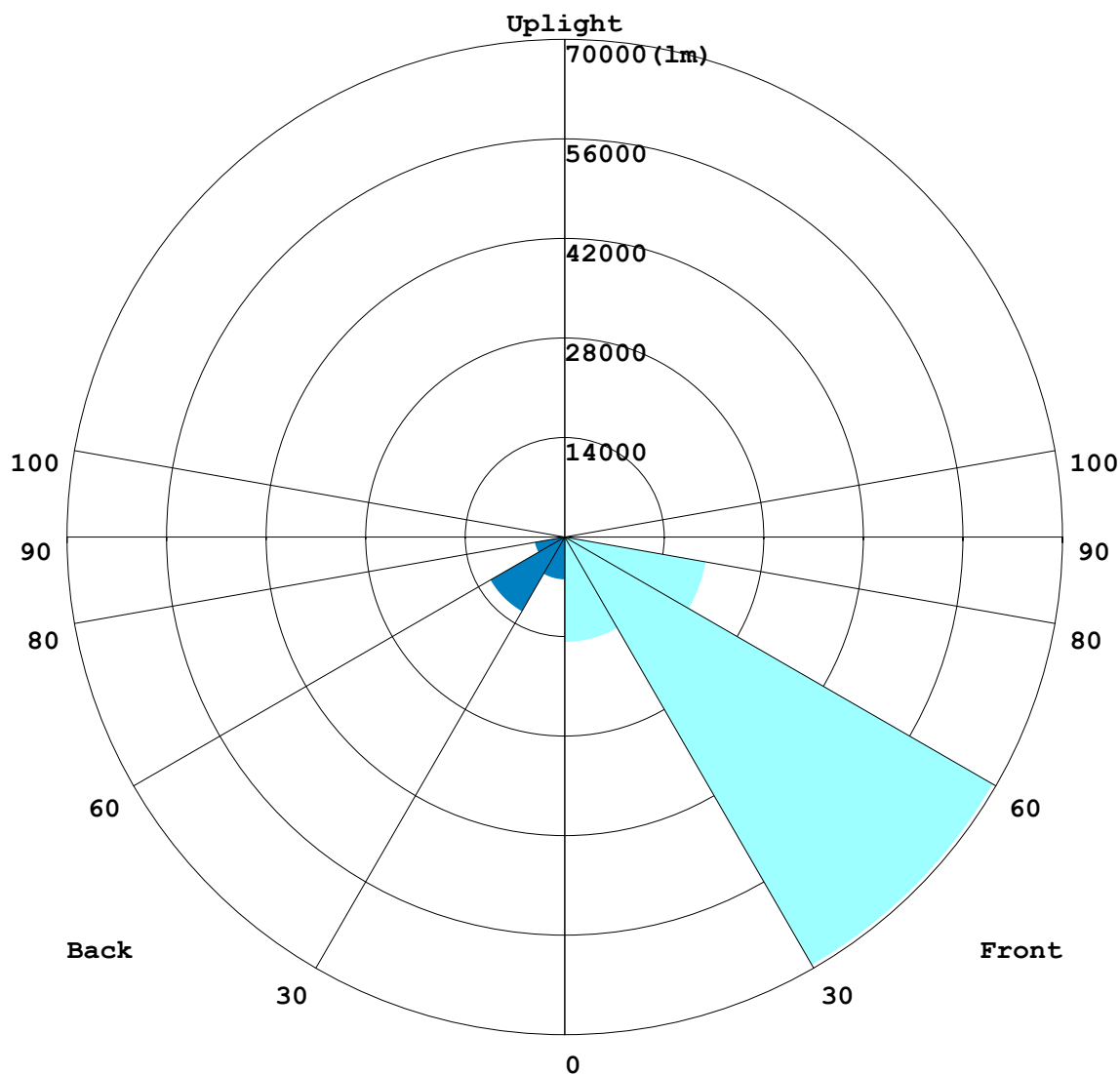
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:230.0V I:4.252A P:963.2W PF:0.985 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:127801x1 lm		
NAME: SP04-960-5770-F04014	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℃  
 Operators:LYJ  
 Test Date:2023-04-28

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:4.252A P:963.2W PF:0.985 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:127801x1 lm		
NAME: SP04-960-5770-F04014	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	14760	11.5
FM - Front-Medium(30-60)	69487	54.4
FH - Front-High(60-80)	20124	15.7
FVH - Front-Very High(80-90)	857.62	0.7
Total Forward Light	1.0523e+005	82.3

BL - Back-Low(0-30)	5956.1	4.7
BM - Back-Medium(30-60)	12057	9.4
BH - Back-High(60-80)	4262.8	3.3
BVH - Back-Very High(80-90)	295.72	0.2
Total Back Light	22572	17.7

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	22572	0	22572
Street Side	1.0523e+005	0	1.0523e+005

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-28

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:

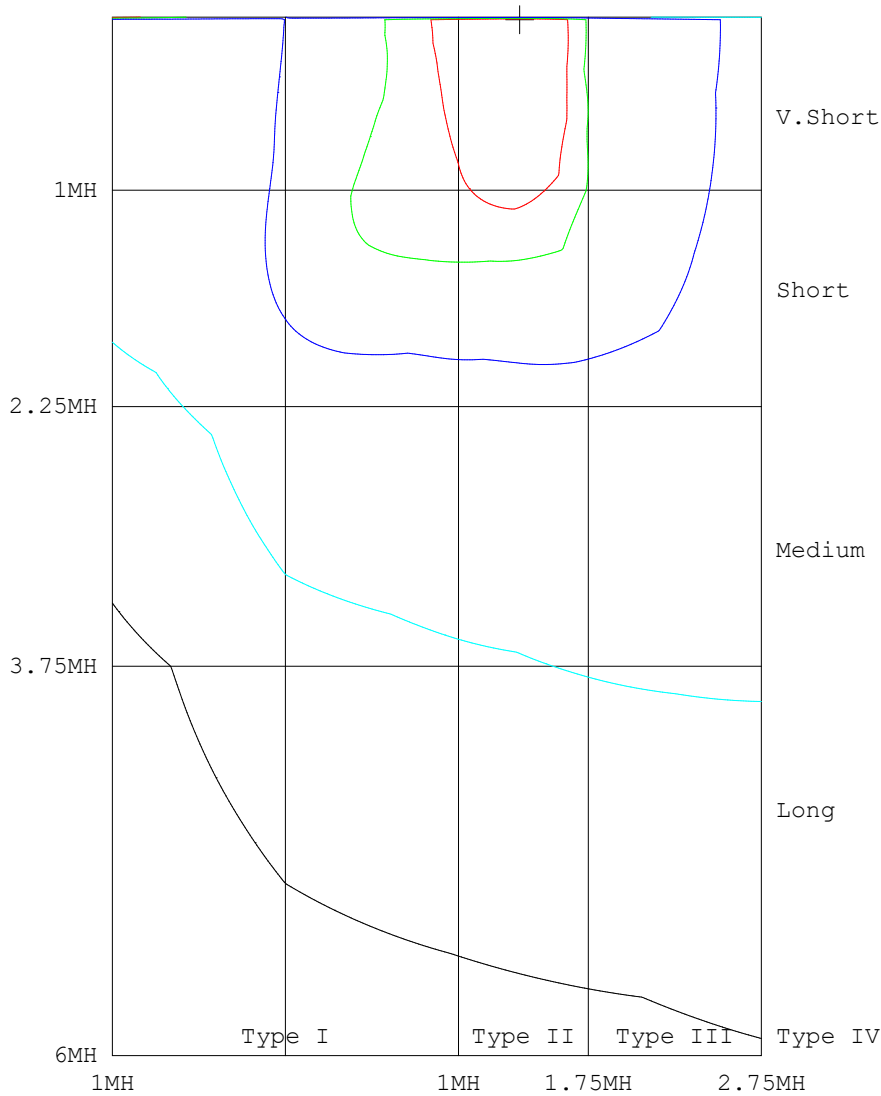


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:4.252A P:963.2W PF:0.985 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:127801x1 lm		
NAME: SP04-960-5770-F04014	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:2023-04-28

Pavement 70% 72812 50% 52009 5% 5200.9 2.5% 2600.4

Road 20003 90DEG 0.5DEG 20003 90DEG 0.5DEG

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