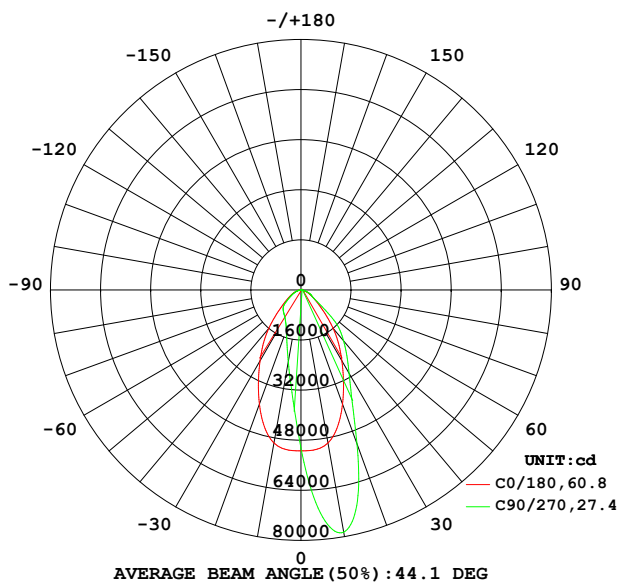
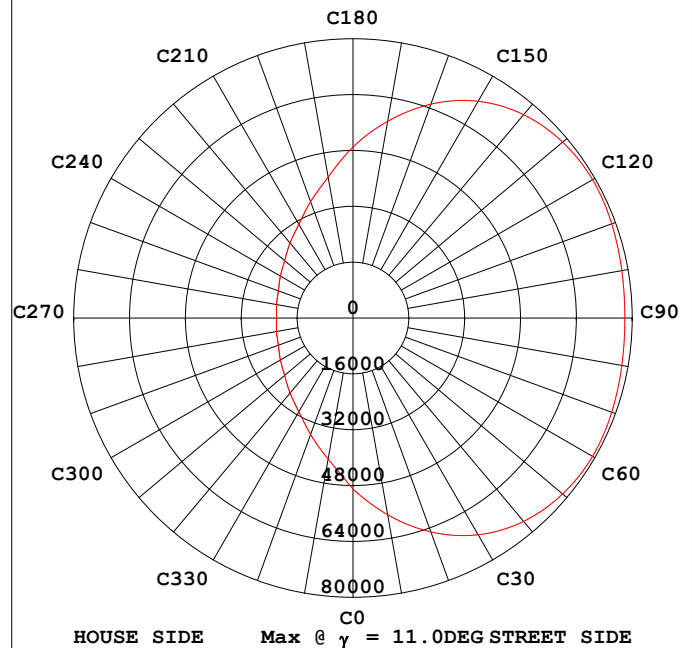


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.6V I:1.8114A P:405.07W PF:0.9740 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:65945.1x1 lm		
NAME: FL23-500P-5070-Fl2203	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

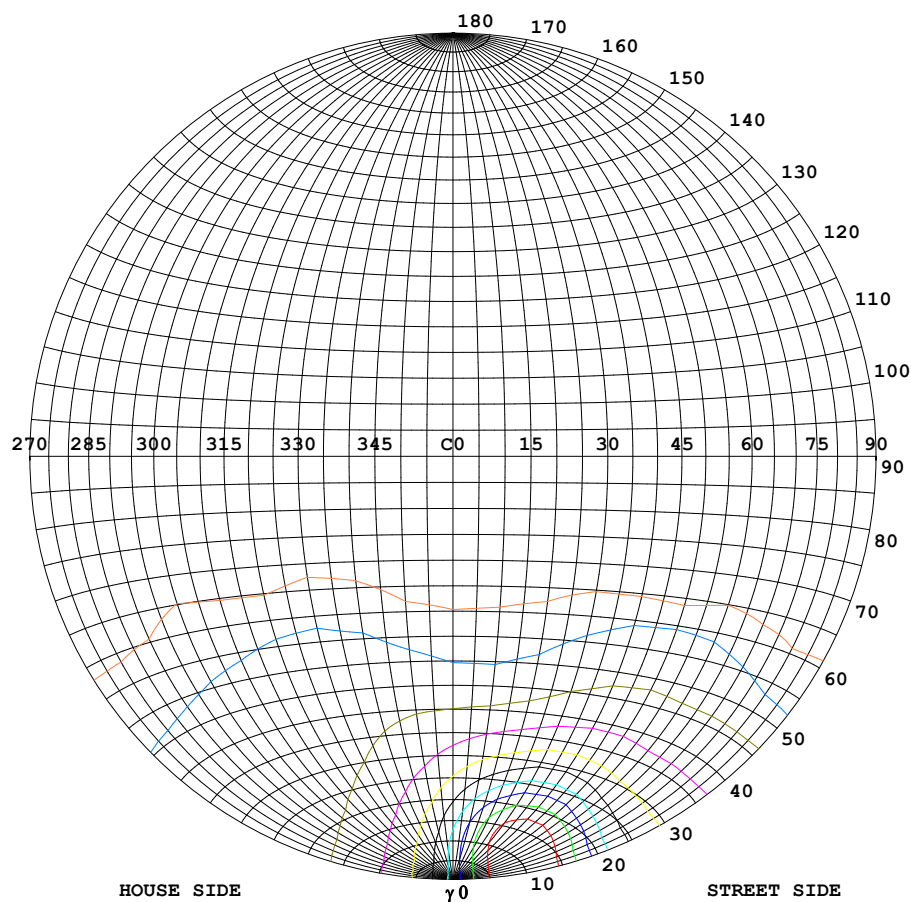
DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.80 lm/W			
MODEL	/	Imax(cd)	79253	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	$\eta$ street_down(%)	65.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	65945	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	65945.1	MAXIMUM @ (C, $\gamma$ )	60,11.0	$\eta$ house_down(%)	34.7
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	$\eta$ down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2022-10-26

$\gamma$  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=0.4548]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM



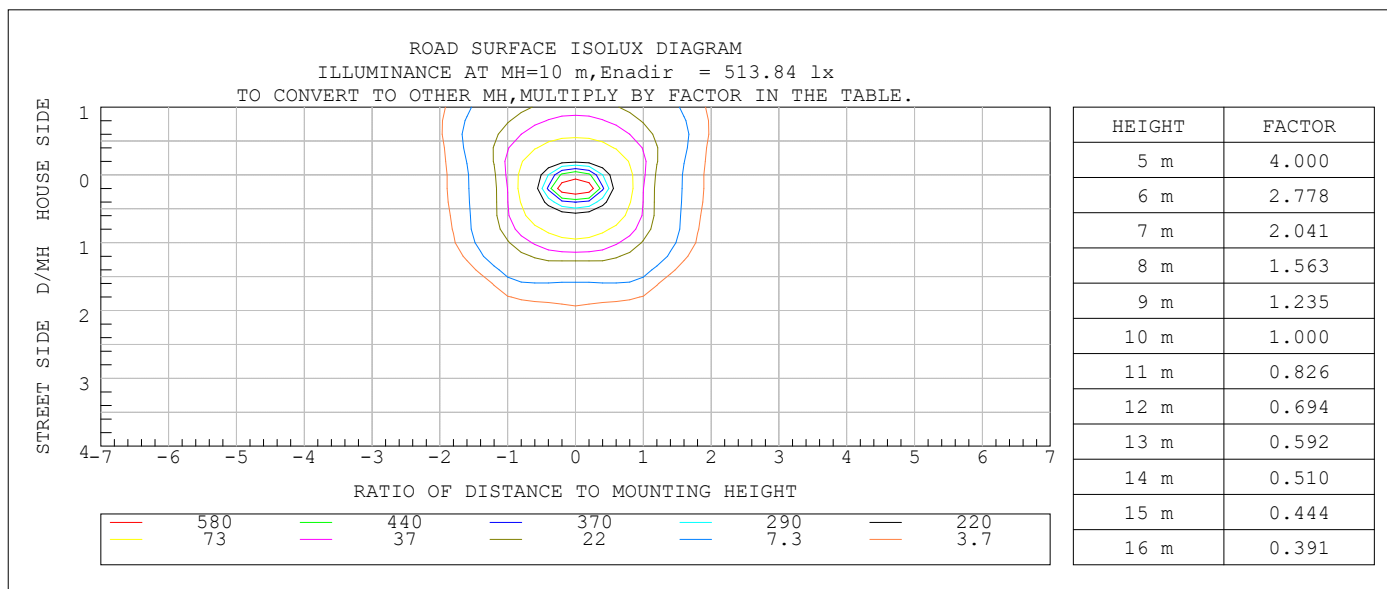
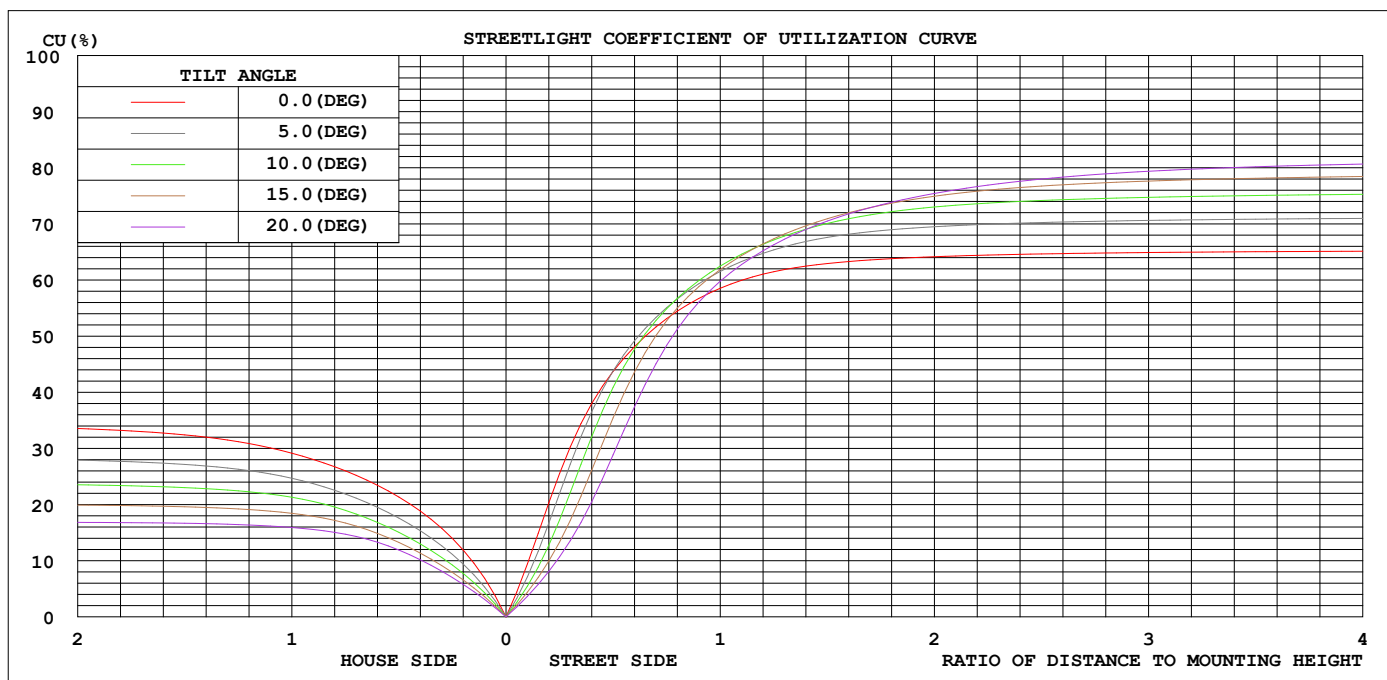
## Classification:

IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:14.16cd/klm  
Max.At90:0.0562cd/klm  
Max.80-90:14.16cd/klm

ISOCANDELA DIAGRAM		
UNIT	cd	
Imax=100%	79253	
90%	71328	
80%	63402	
70%	55477	
60%	47552	
50%	39627	
40%	31701	
30%	23776	
20%	15851	
10%	7925	
5%	3963	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2022-10-26

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=0.4548]  
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: 2022-10-26

$\gamma$  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=0.4548]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

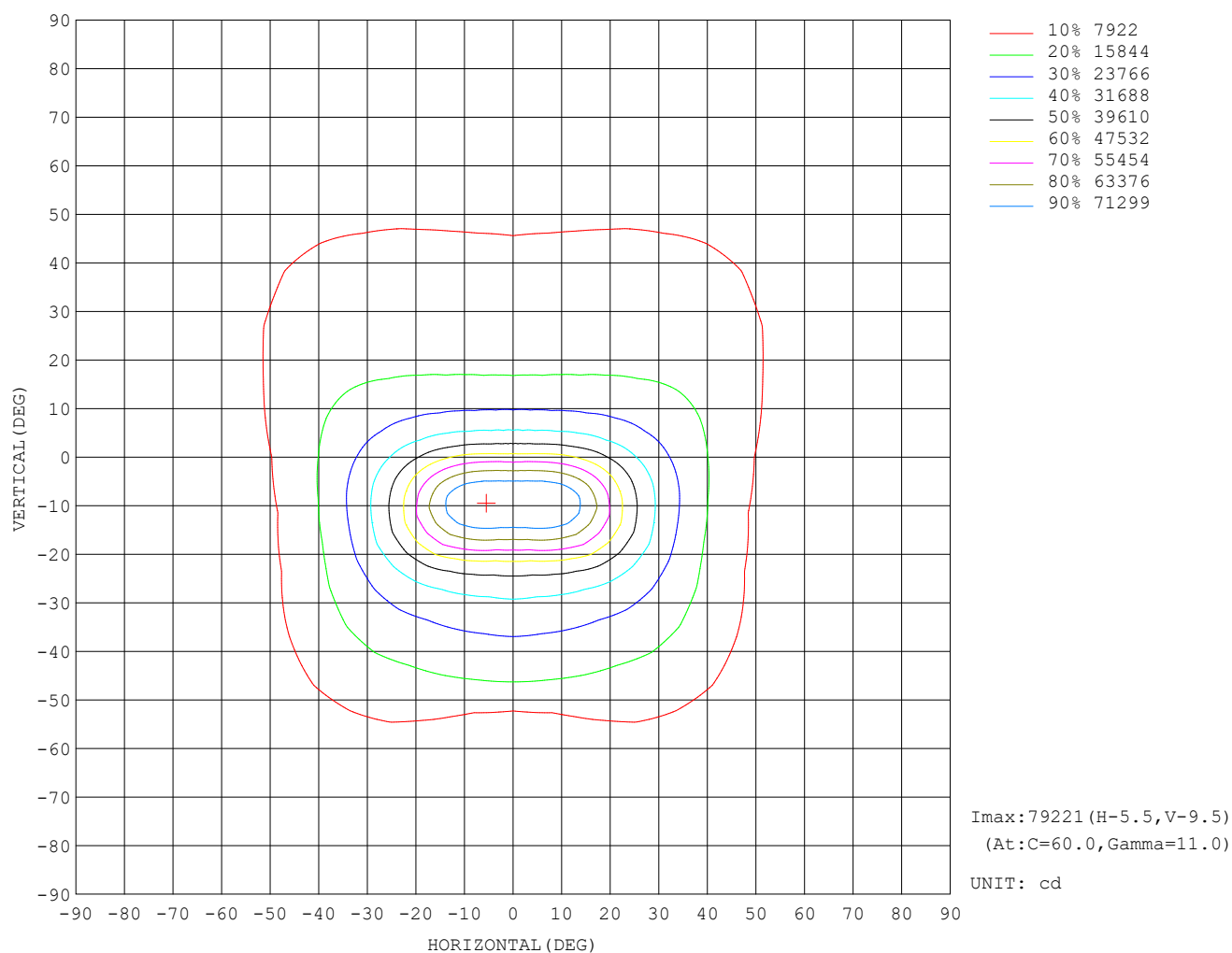
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	4961	7630	7854	7630	4961	2827	2333	2827	0- 10	4928	4928	7.47,7.47
20	3883	6515	5232	6515	3883	1795	1363	1795	10- 20	12929	17857	27.1,27.1
30	2615	3659	3075	3659	2615	1294	1025	1294	20- 30	14026	31883	48.3,48.3
40	1594	2231	2118	2231	1594	1053	877.5	1053	30- 40	12227	44109	66.9,66.9
50	773.6	1403	1057	1403	773.6	888.3	655.4	888.3	40- 50	9930	54039	81.9,81.9
60	403.4	727.6	414.2	727.6	403.4	661.0	352.6	661.0	50- 60	6785	60824	92.2,92.2
70	200.8	186.8	249.4	186.8	200.8	196.9	185.1	196.9	60- 70	3564	64389	97.6,97.6
80	65.72	57.08	93.35	57.08	65.72	54.08	60.32	54.08	70- 80	1329	65718	99.7,99.7
90	0.2701	0.3246	0.3707	0.3246	0.2701	0.2939	0.3414	0.2939	80- 90	227.4	65945	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:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-10-26

$\gamma$  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=0.4548]  
 Remarks:

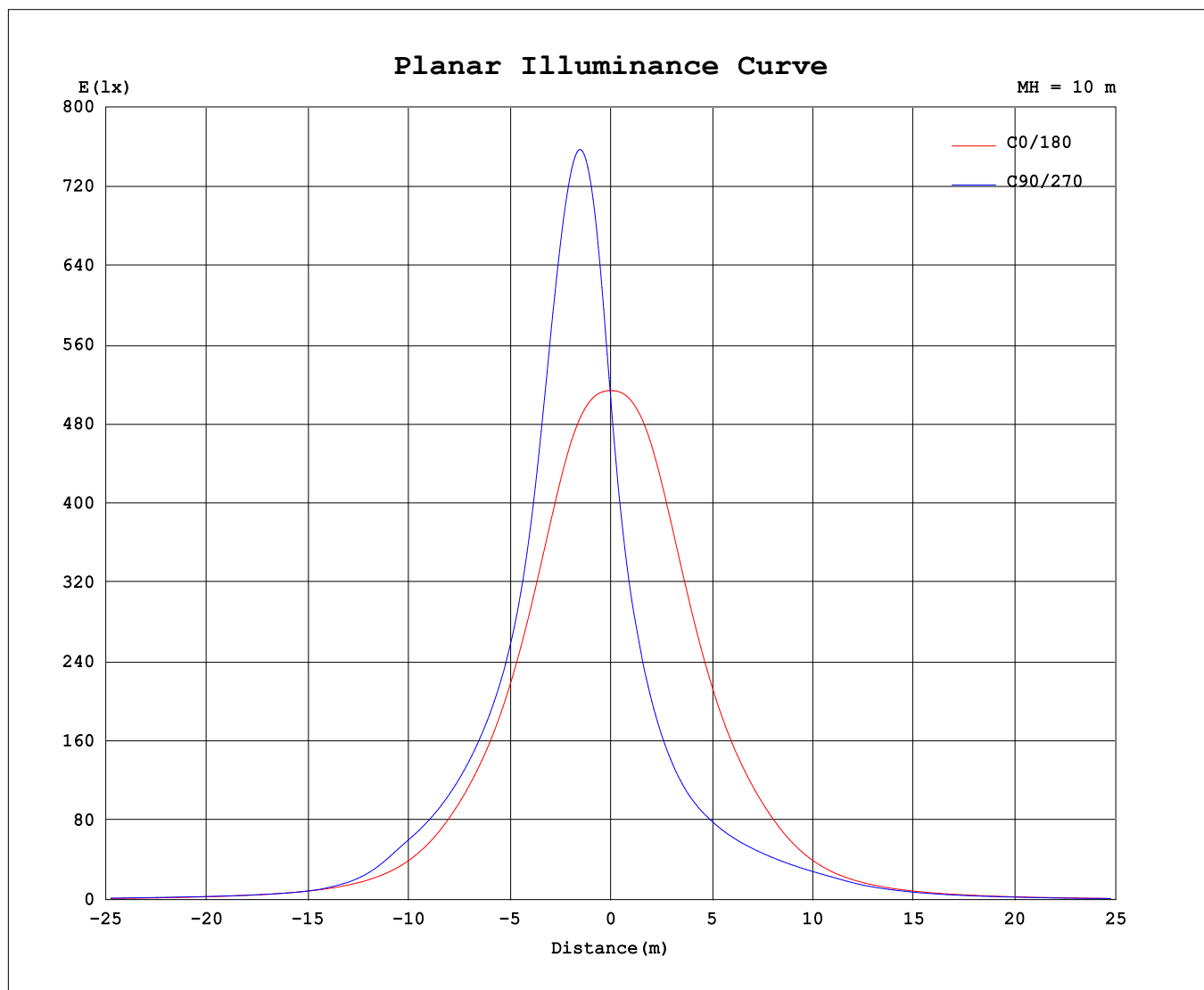
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2022-10-26

$\gamma$  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=0.4548]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2022-10-26

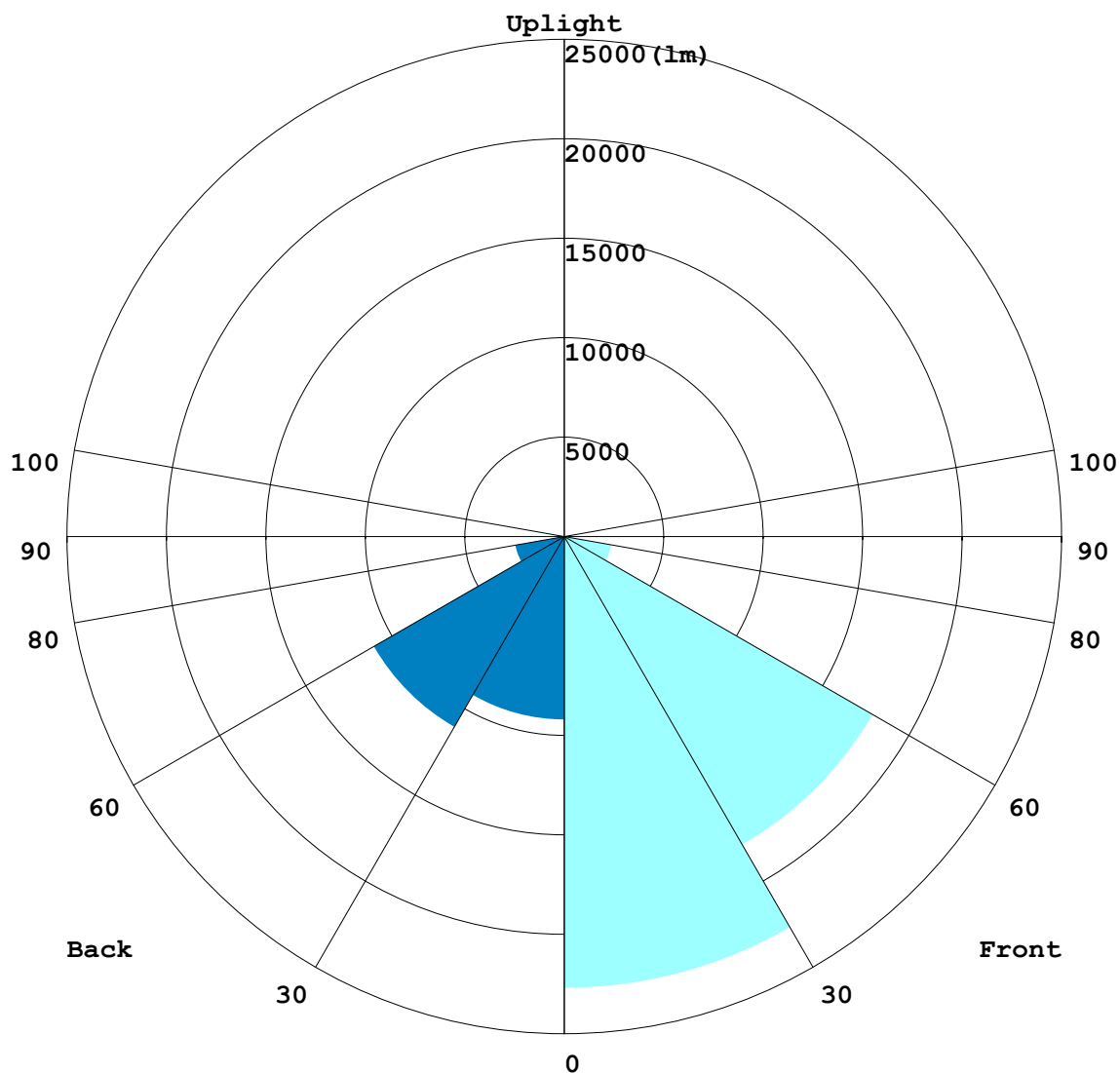
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4548]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:229.6V I:1.8114A P:405.07W PF:0.9740 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:65945.1x1 lm		
NAME: FL23-500P-5070-Fl2203	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:2022-10-26

$\gamma$  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=0.4548]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

Test:U:229.6V I:1.8114A P:405.07W PF:0.9740 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:65945.1x1 lm		
NAME: FL23-500P-5070-Fl2203	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	22686	34.4
FM - Front-Medium(30-60)	17890	27.1
FH - Front-High(60-80)	2398.8	3.6
FVH - Front-Very High(80-90)	120.5	0.2
Total Forward Light	43095	65.3

BL - Back-Low(0-30)	9196.7	13.9
BM - Back-Medium(30-60)	11052	16.8
BH - Back-High(60-80)	2494.8	3.8
BVH - Back-Very High(80-90)	106.93	0.2
Total Back Light	22850	34.7

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22850	0	22850
Street Side	43095	0	43095

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2022-10-26

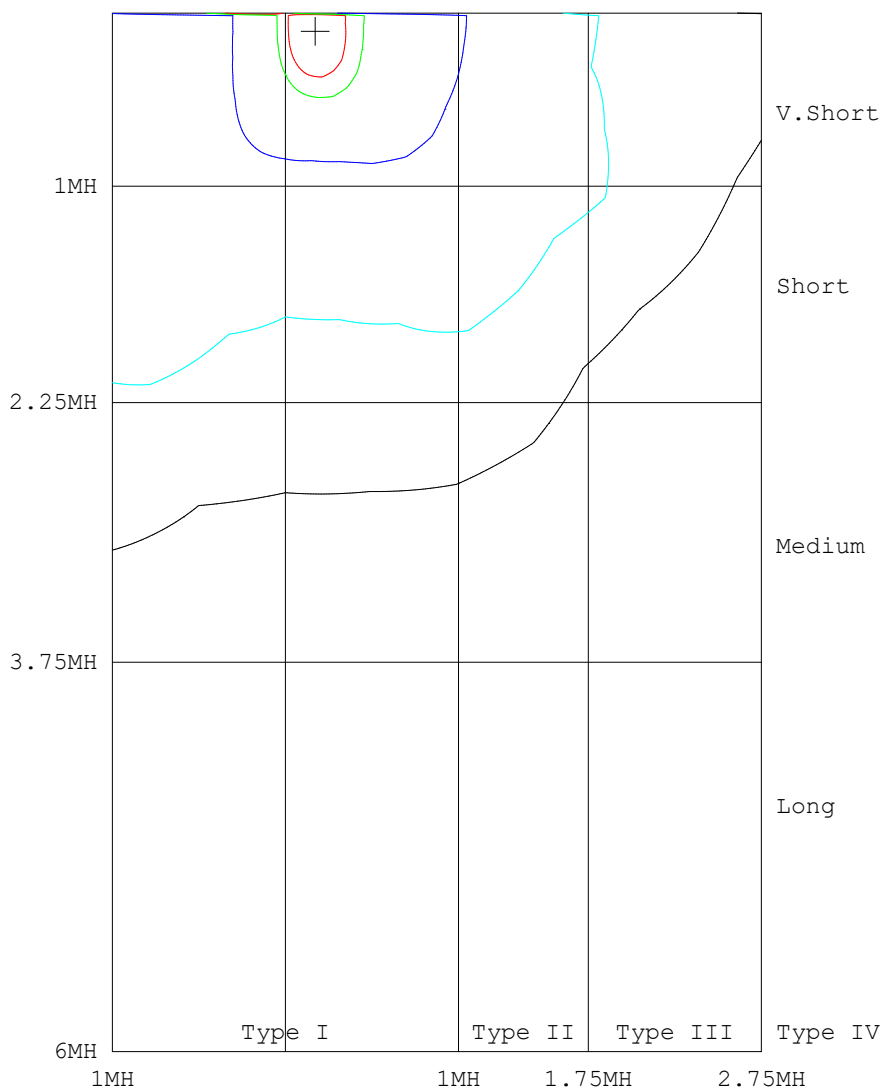
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4548]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.6V I:1.8114A P:405.07W PF:0.9740 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:65945.1x1 lm		
NAME: FL23-500P-5070-Fl2203	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:2022-10-26

Pavement

Road

γ Range:15033 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4548]  
Remarks:

70% 55417 50% 30583 5% 3958.3 2.5% 1979.2