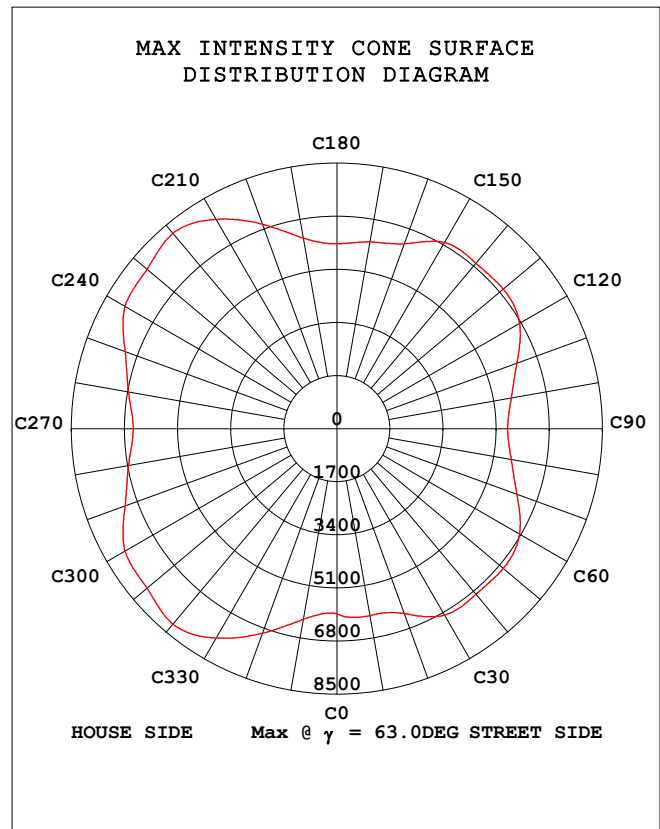
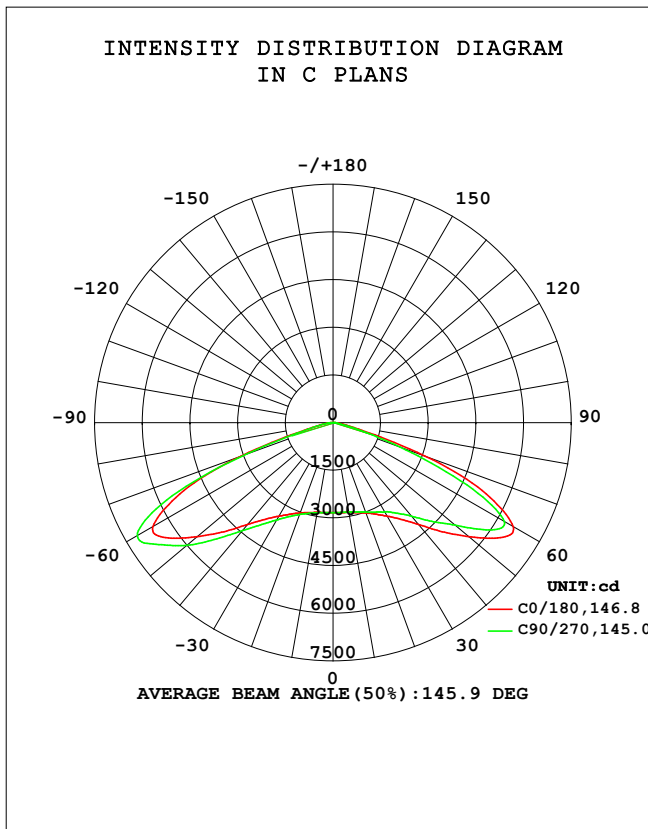


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.4V I:1.2943A P:154.51W PF:0.9995 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22312.9x1 lm		
NAME: HA04-150-5770-F01612	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

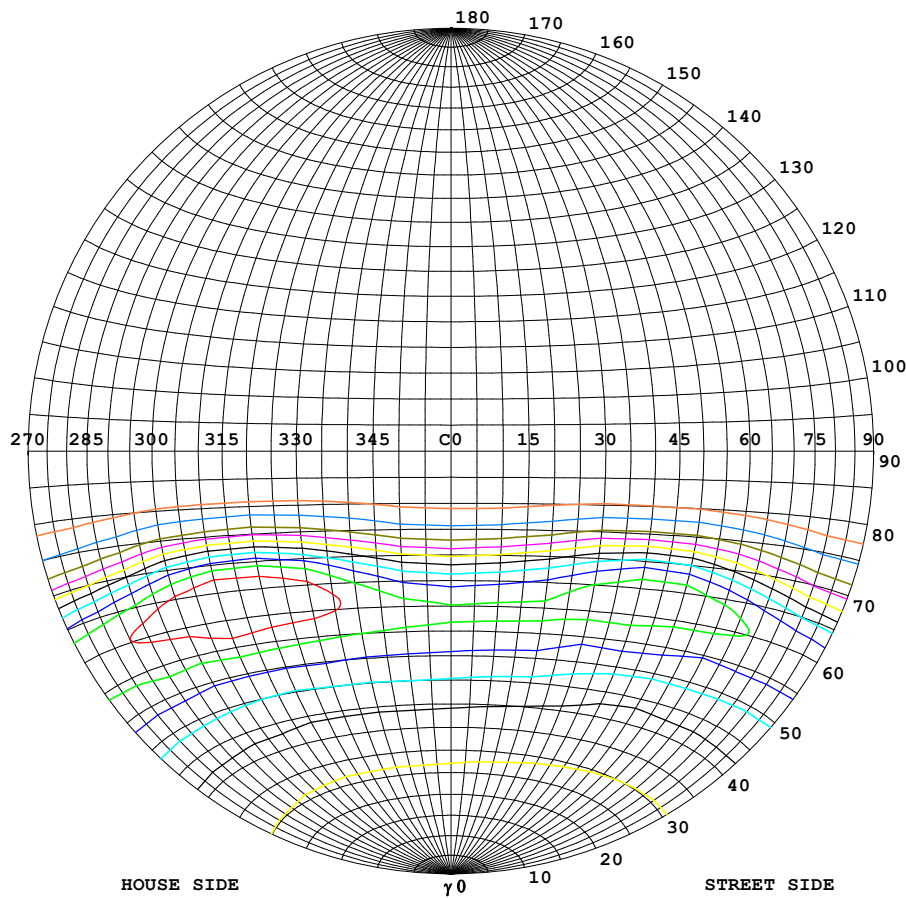
DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.41 lm/W			
MODEL	/	Imax (cd)	8171	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	$\eta$ street_down (%)	47.3
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	22313	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	22312.9	MAXIMUM @ (C, $\gamma$ )	220,63.0	$\eta$ house_down (%)	52.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	$\eta$ down (%)	100.0	SLI	



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYJ  
Test Date:2021-11-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:26.000m [K=0.4536]  
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

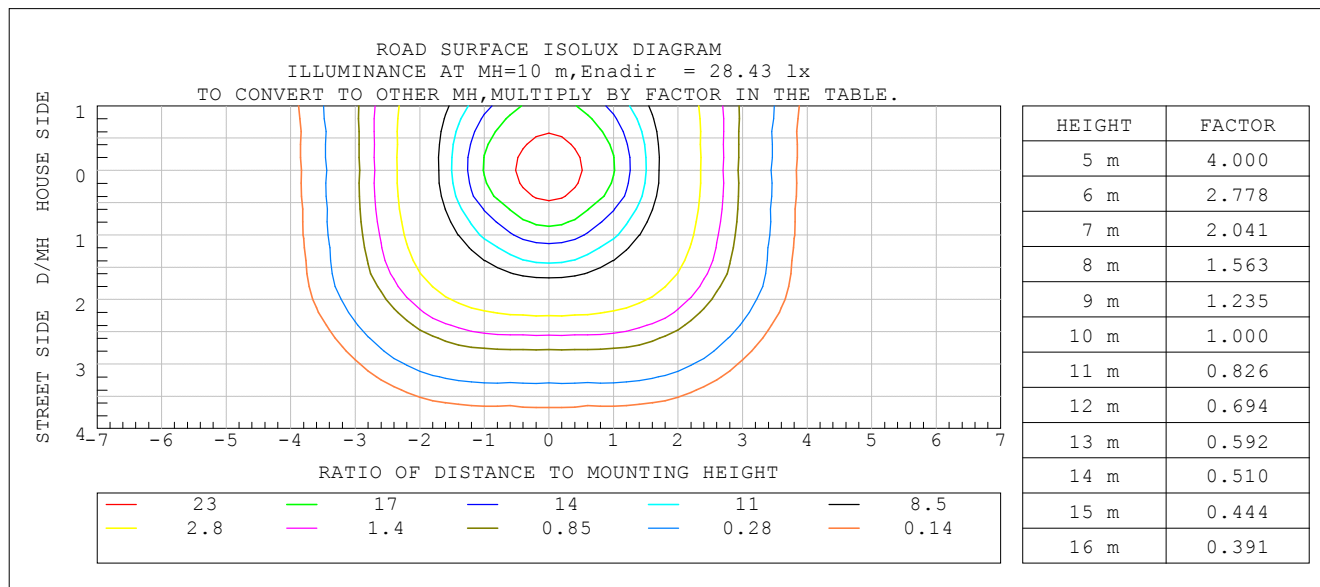
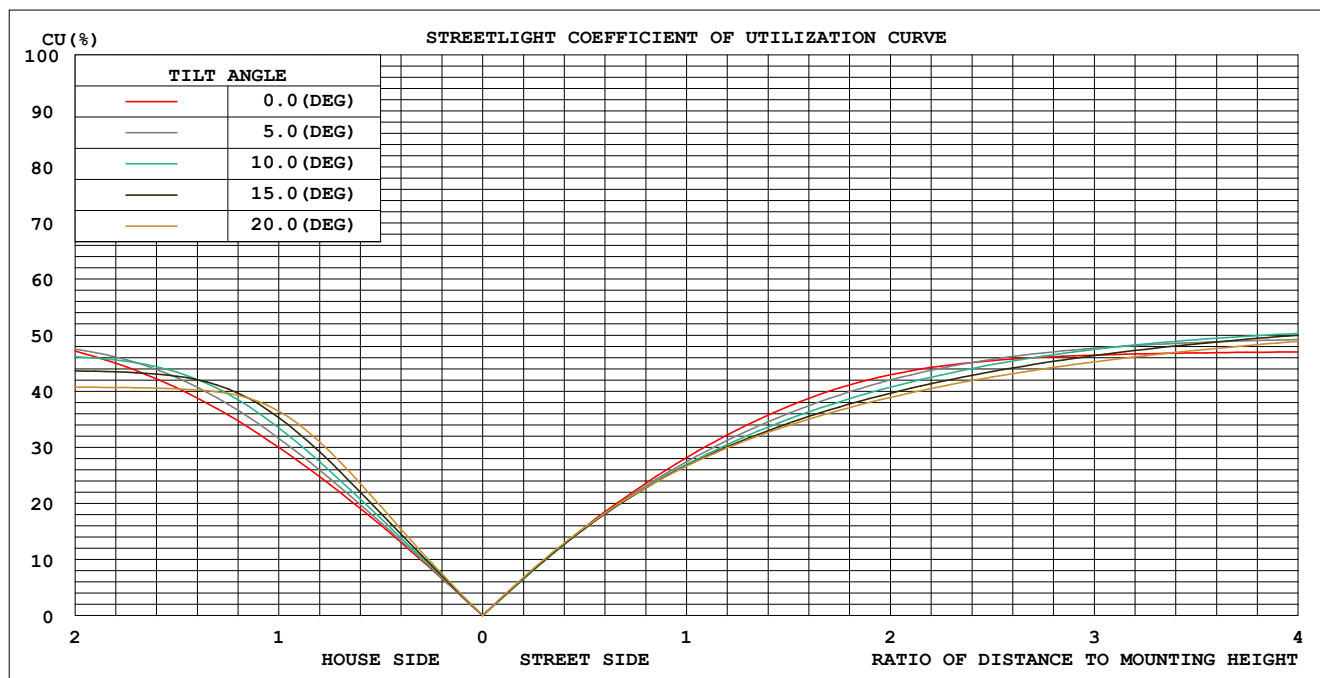


Classification:  
IES:Type V - Short  
CIE:Narrow - Intermediate  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:23.12cd/klm  
Max.At90:0.2186cd/klm  
Max.80-90:23.12cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8171
90%	7354
80%	6536
70%	5719
60%	4902
50%	4085
40%	3268
30%	2451
20%	1634
10%	817
5%	409

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LYJ  
Test Date:2021-11-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:26.000m [K=0.4536]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYJ  
Test Date: 2021-11-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4536]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

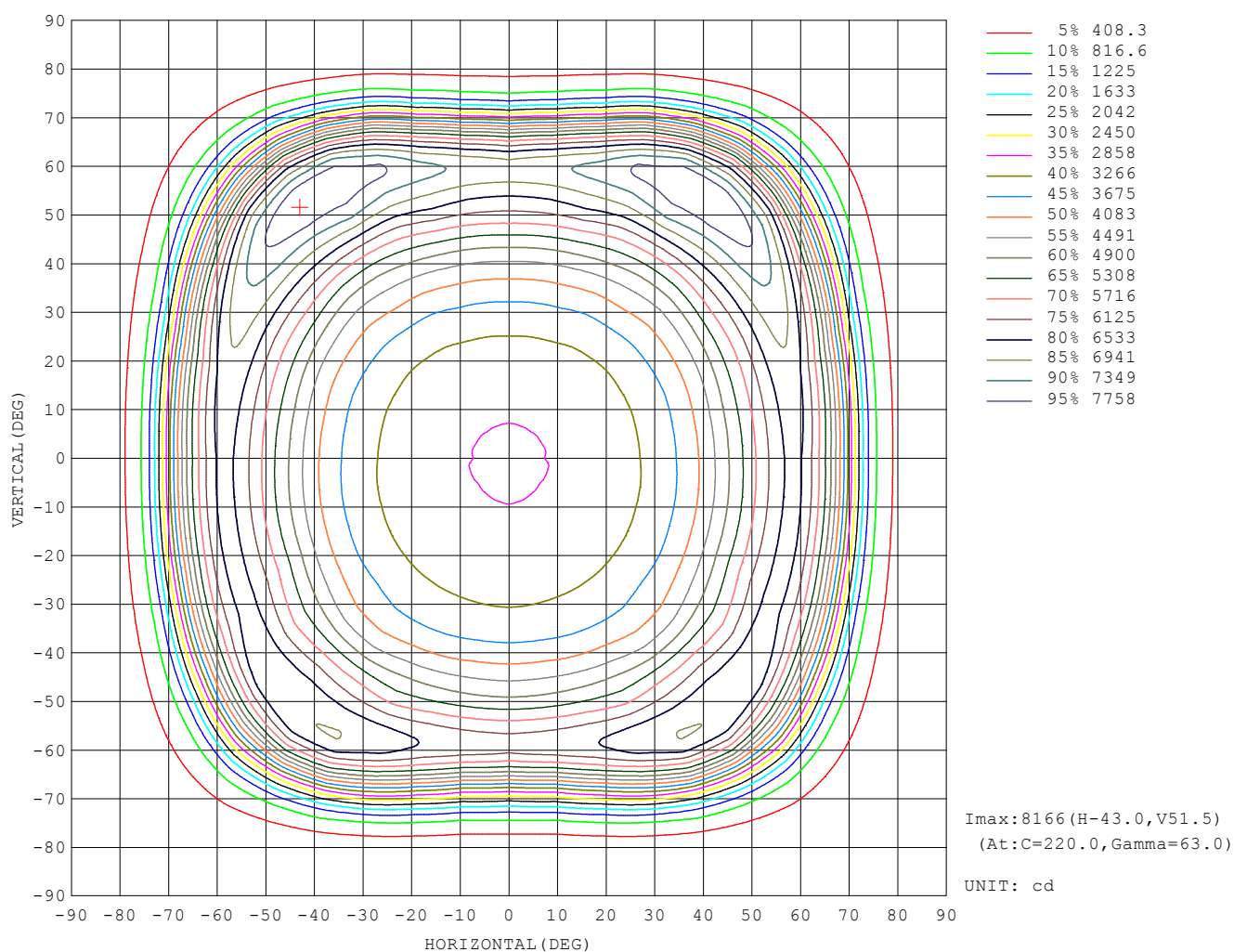
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2871	2873	2863	2873	2871	2886	2883	2886	0- 10	272.4	272.4	1.22,1.22
20	3028	3005	2997	3005	3028	3053	3078	3053	10- 20	836.6	1109	4.97,4.97
30	3402	3300	3250	3300	3402	3438	3536	3438	20- 30	1480	2589	11.6,11.6
40	4183	3841	3844	3841	4183	4254	4440	4254	30- 40	2334	4923	22.1,22.1
50	5582	5118	5022	5118	5582	5806	6008	5806	40- 50	3704	8627	38.7,38.7
60	6546	6723	6225	6723	6546	7823	7113	7823	50- 60	5696	14323	64.2,64.2
70	3095	5002	2240	5002	3095	6015	2896	6015	60- 70	6025	20348	91.2,91.2
80	330.0	404.5	214.0	404.5	330.0	501.4	299.0	501.4	70- 80	1823	22171	99.4,99.4
90	2.225	3.467	1.830	3.467	2.225	4.837	3.833	4.837	80- 90	141.8	22313	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:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYJ  
 Test Date:2021-11-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4536]  
 Remarks:

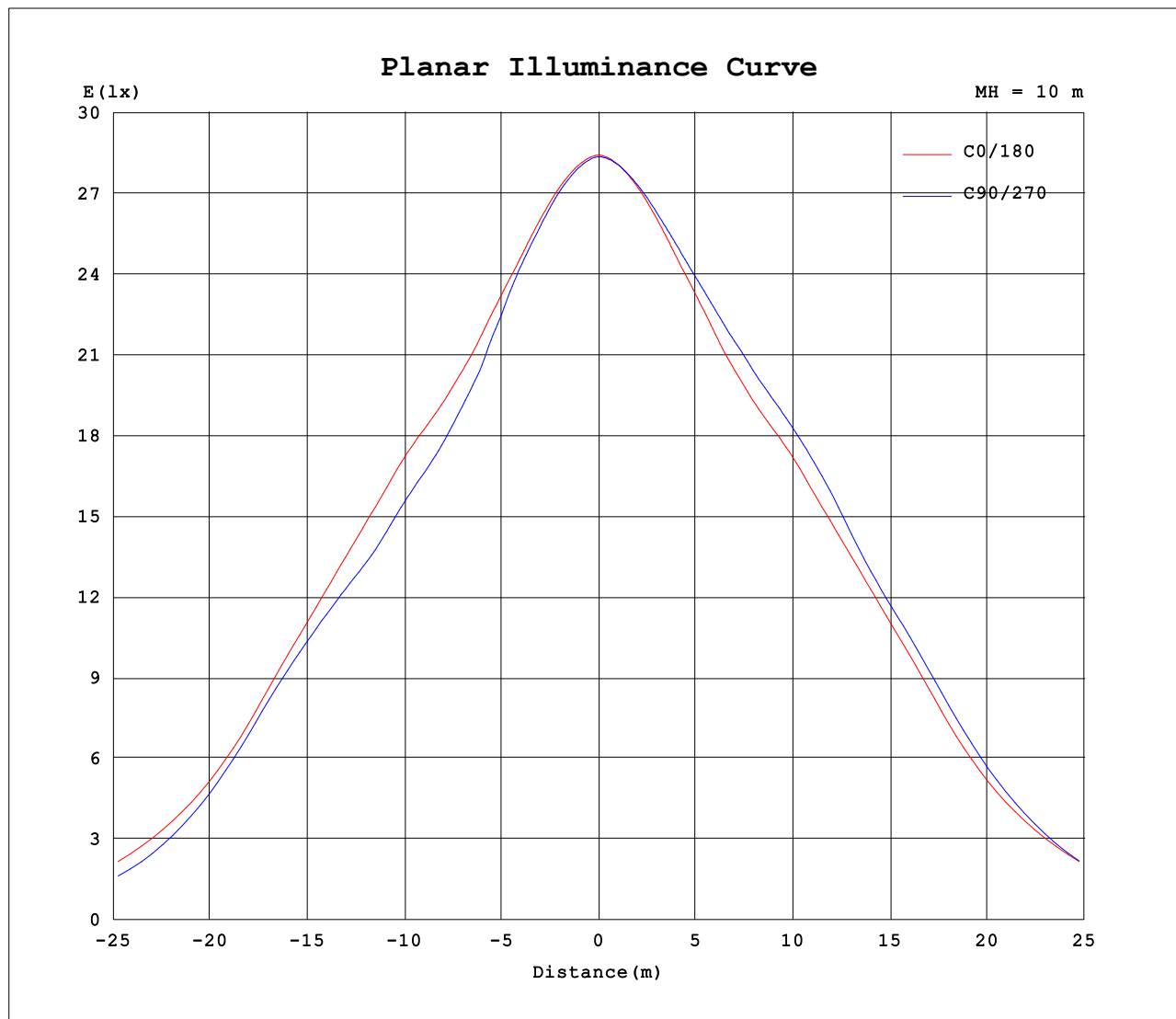
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYJ  
Test Date: 2021-11-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4536]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LYJ  
Test Date: 2021-11-29

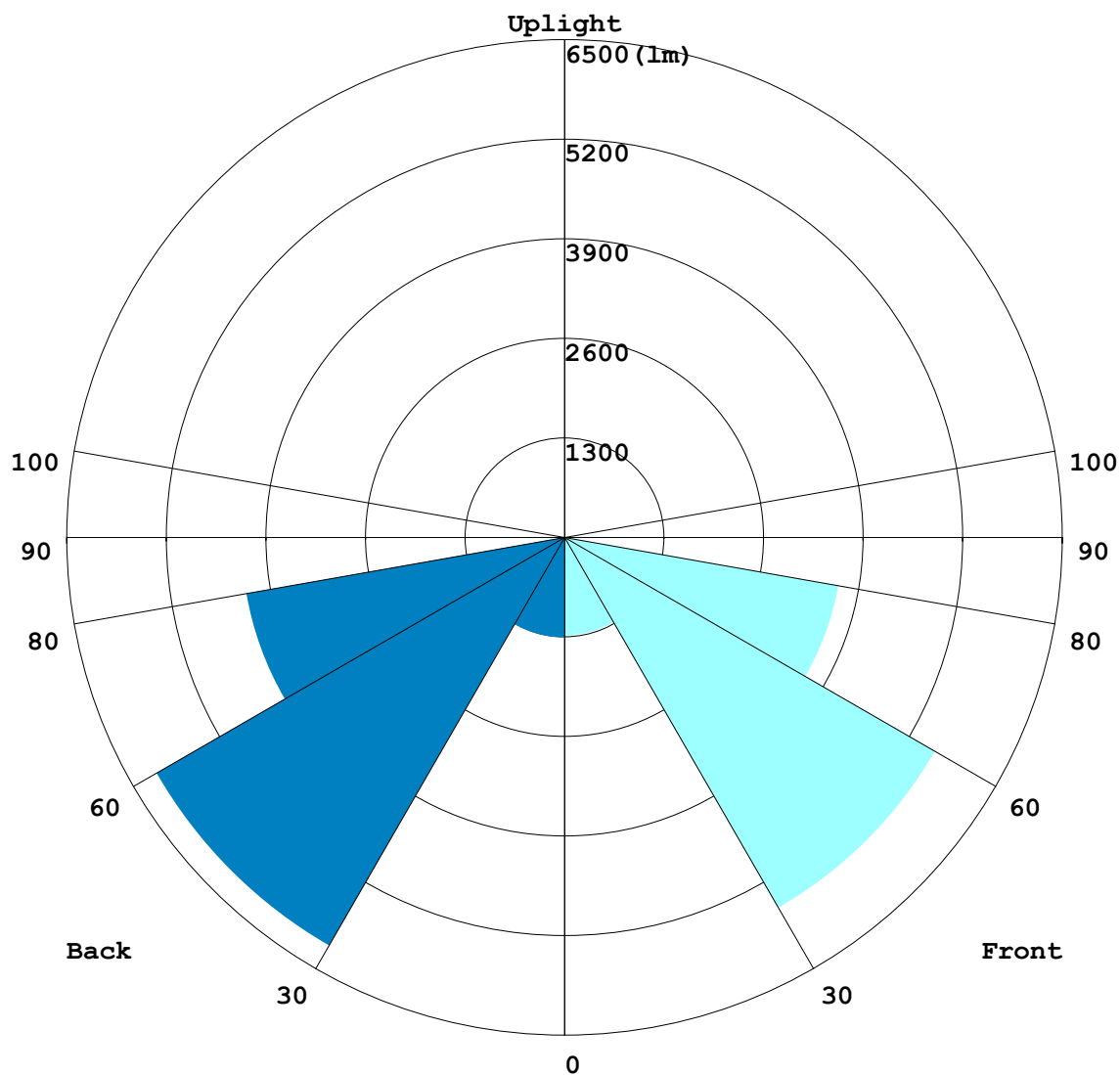
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4536]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

Test:U:119.4V I:1.2943A P:154.51W PF:0.9995 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22312.9x1 lm		
NAME: HA04-150-5770-F01612	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:25.3DEG  
 Operators:LYJ  
 Test Date:2021-11-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4536]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

Test:U:119.4V I:1.2943A P:154.51W PF:0.9995 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22312.9x1 lm		
NAME: HA04-150-5770-F01612	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1281.6	5.7
FM - Front-Medium(30-60)	5582.7	25.0
FH - Front-High(60-80)	3630.2	16.3
FVH - Front-Very High(80-90)	60.683	0.3
Total Forward Light	10555	47.3

BL - Back-Low(0-30)	1307.2	5.9
BM - Back-Medium(30-60)	6151.4	27.6
BH - Back-High(60-80)	4218.1	18.9
BVH - Back-Very High(80-90)	81.07	0.4
Total Back Light	11758	52.7

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	B4-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11758	0	11758
Street Side	10555	0	10555

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LYJ  
 Test Date:2021-11-29

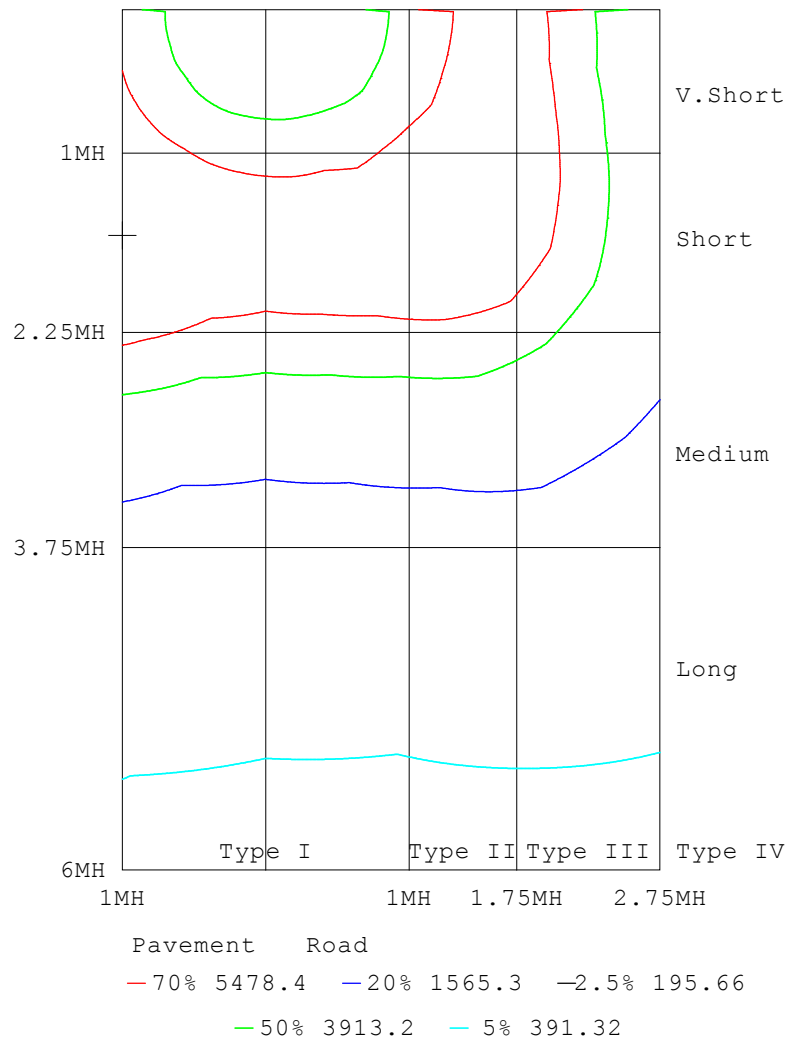
γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4536]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ROAD ISOCANDELA REPORT

Test:U:119.4V I:1.2943A P:154.51W PF:0.9995 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22312.9x1 lm		
NAME: HA04-150-5770-F01612	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:25.3DEG  
Operators:LYJ  
Test Date:2021-11-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:26.000m [K=0.4536]  
Remarks: