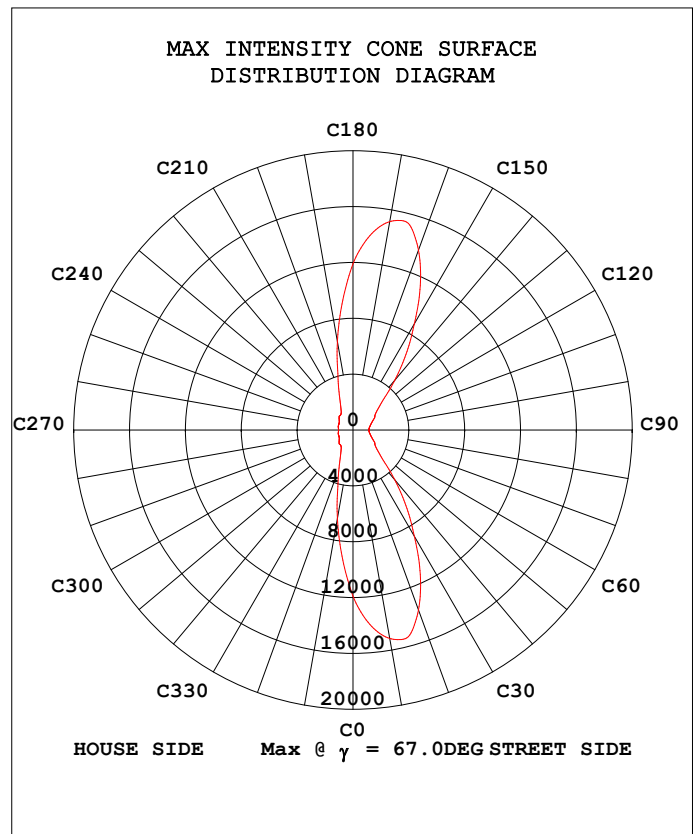
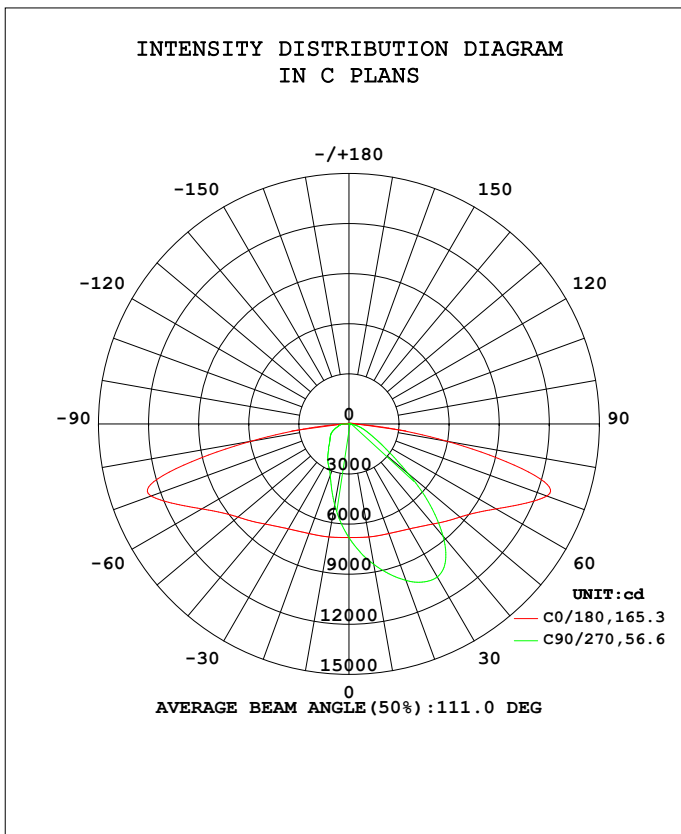


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:1.669A P:200.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29047.7x1 lm		
NAME: ST10-200-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

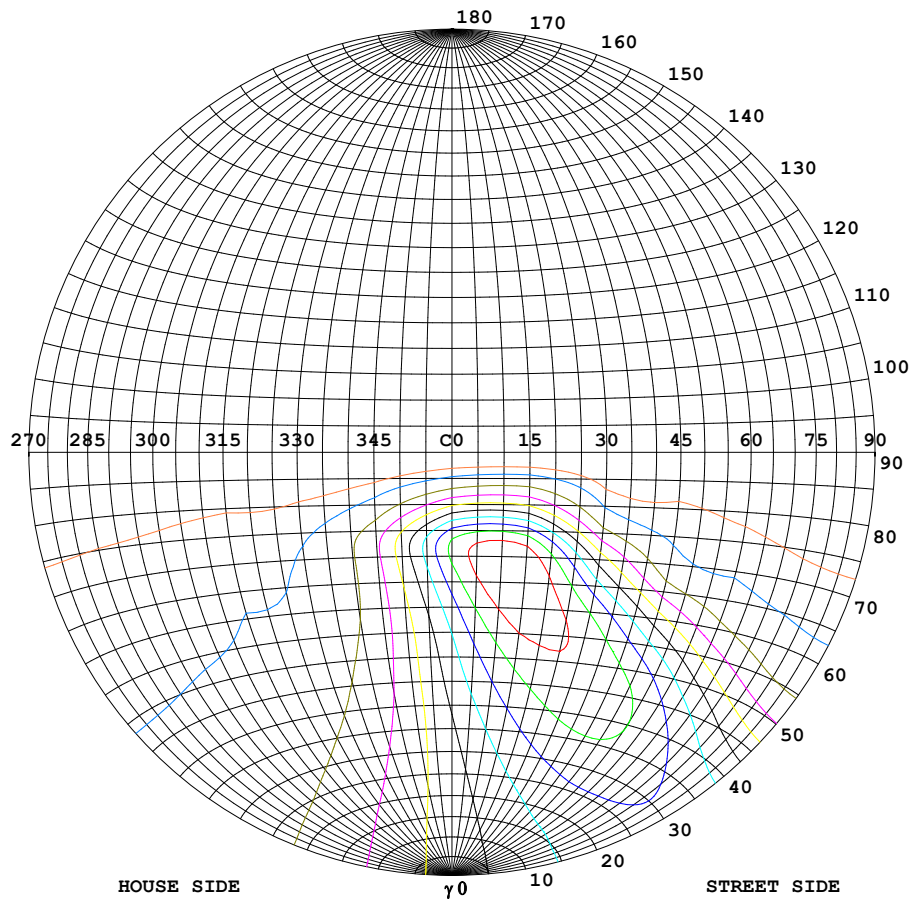
DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.24 lm/W			
MODEL	/	I <sub>max</sub> (cd)	15372	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	72.5
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	29048	η house_up (%)	0.0
NOMINAL FLUX (lm)	29047.7	MAXIMUM @ (C, γ )	13,67.0	η house_down (%)	27.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

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=0.0446]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



**Classification:**

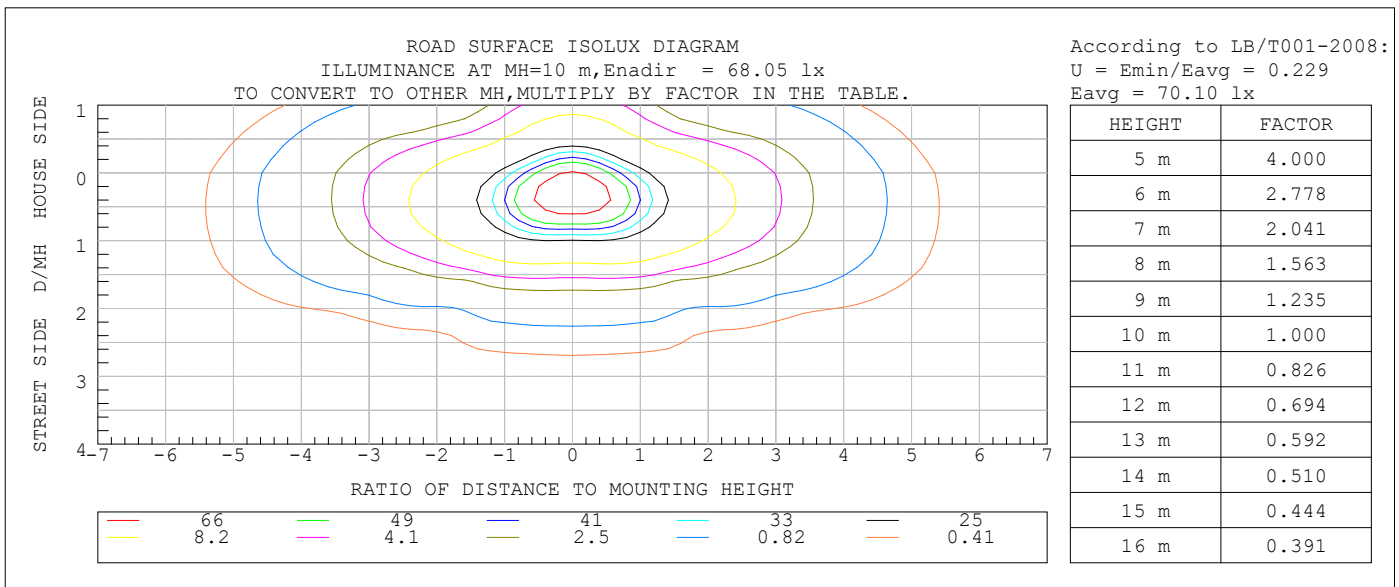
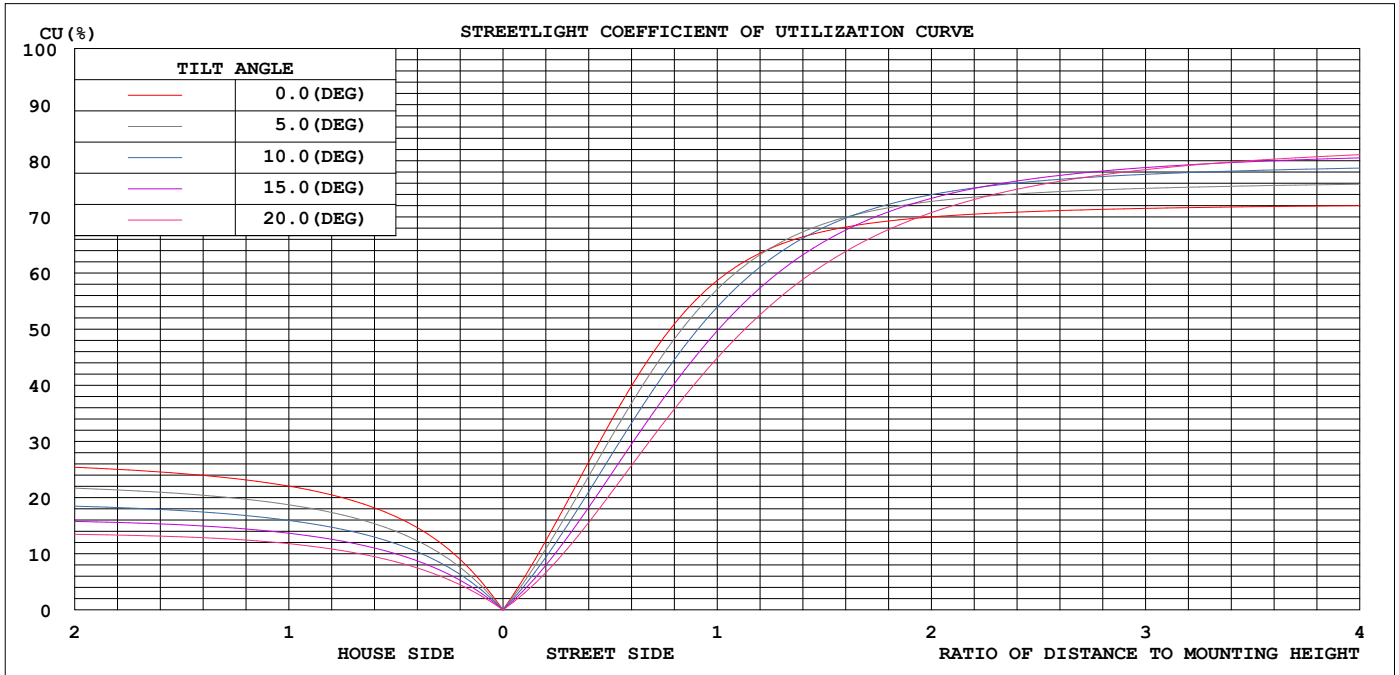
IES:Type II - Medium  
 CIE:Narrow - Intermediate  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:224.2cd/klm  
 Max.At90:0.6307cd/klm  
 Max.80-90:224.2cd/klm  
 NRB 5101:Semi limited[18.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	15372
90%	13835
80%	12297
70%	10760
60%	9223
50%	7686
40%	6149
30%	4612
20%	3074
10%	1537
5%	769

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

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=0.0446]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2022-05-04

$\gamma$  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=0.0446]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

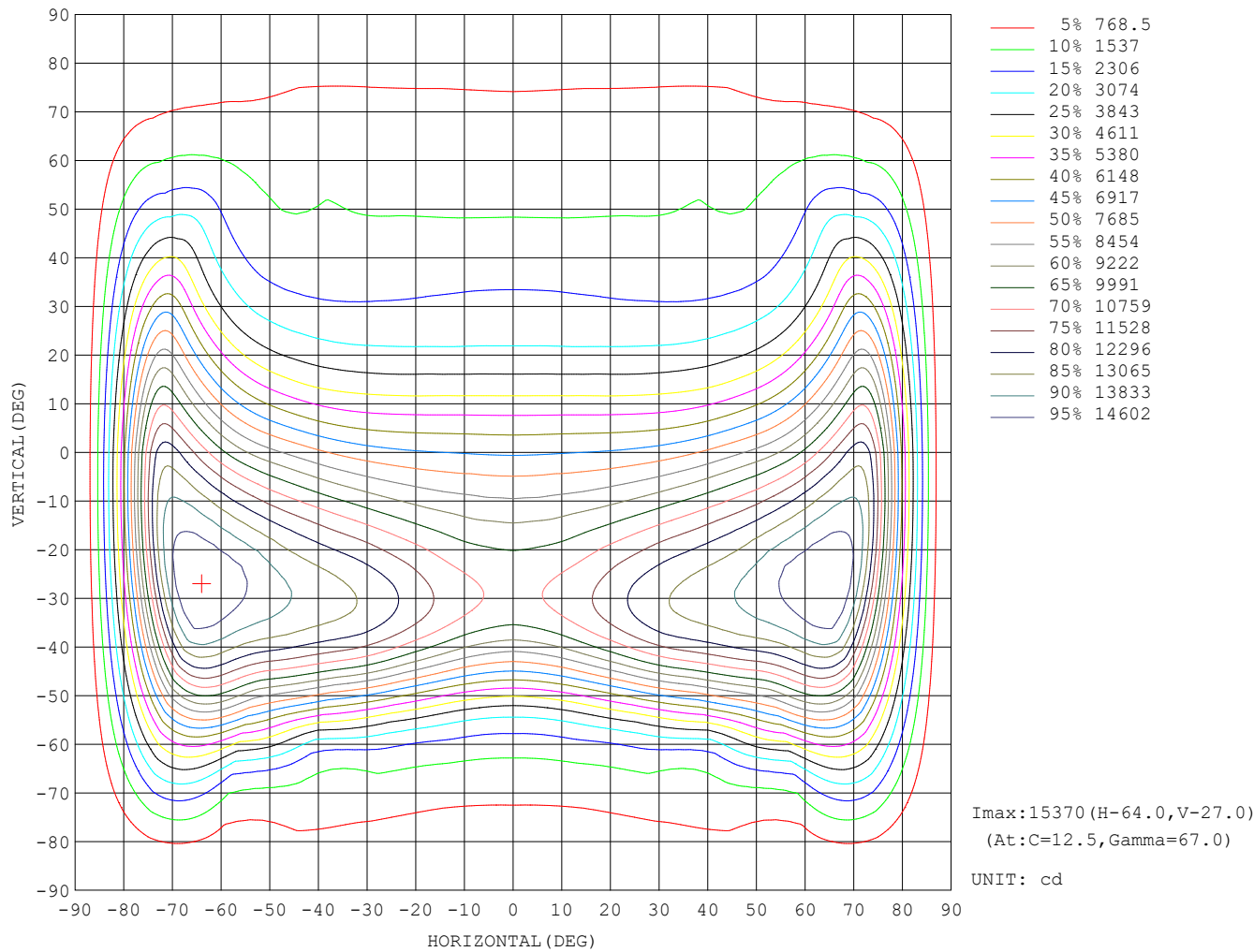
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	687.2	813.6	853.5	813.6	687.2	548.4	491.6	548.4	0- 10	649.8	649.8	2.24,2.24
20	698.5	961.5	996.9	961.5	698.5	411.2	328.1	411.2	10- 20	1929	2579	8.88,8.88
30	725.4	1135	1058	1135	725.4	302.1	253.8	302.1	20- 30	3210	5789	19.9,19.9
40	782.5	1268	876.6	1268	782.5	233.4	189.8	233.4	30- 40	4444	10233	35.2,35.2
50	868.1	1162	466.9	1162	868.1	185.7	149.0	185.7	40- 50	5182	15415	53.1,53.1
60	1017	694.4	191.7	694.4	1017	156.1	125.6	156.1	50- 60	5103	20518	70.6,70.6
70	1261	211.8	93.10	211.8	1261	133.9	91.83	133.9	60- 70	4565	25083	86.4,86.4
80	593.6	91.66	32.68	91.66	593.6	70.80	63.62	70.80	70- 80	3210	28294	97.4,97.4
90	1.832	0.0820	0.0495	0.0820	1.832	0.7111	0.1733	0.7111	80- 90	753.8	29048	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: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

$\gamma$  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=0.0446]  
 Remarks:

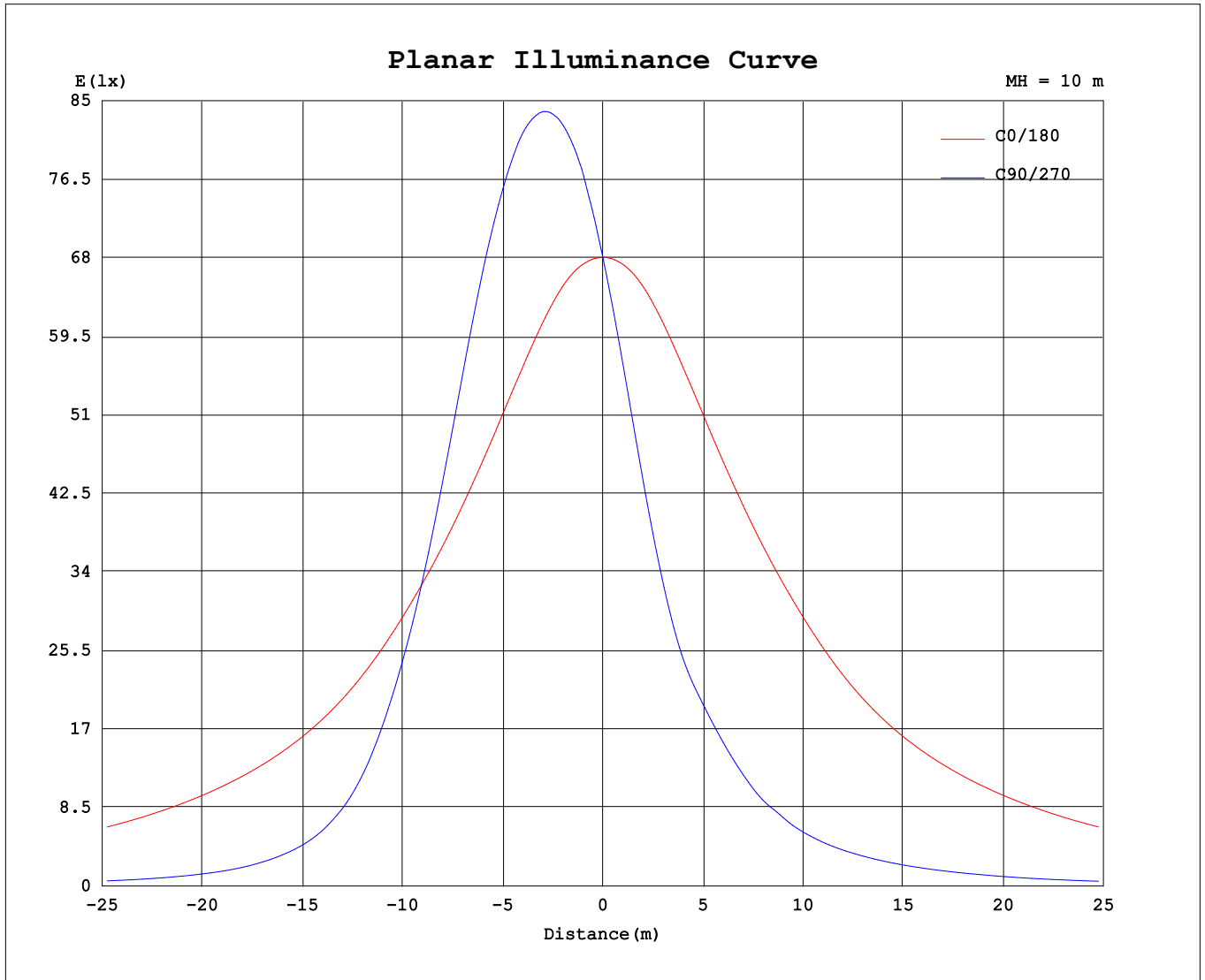
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

$\gamma$  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=0.0446]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2022-05-04

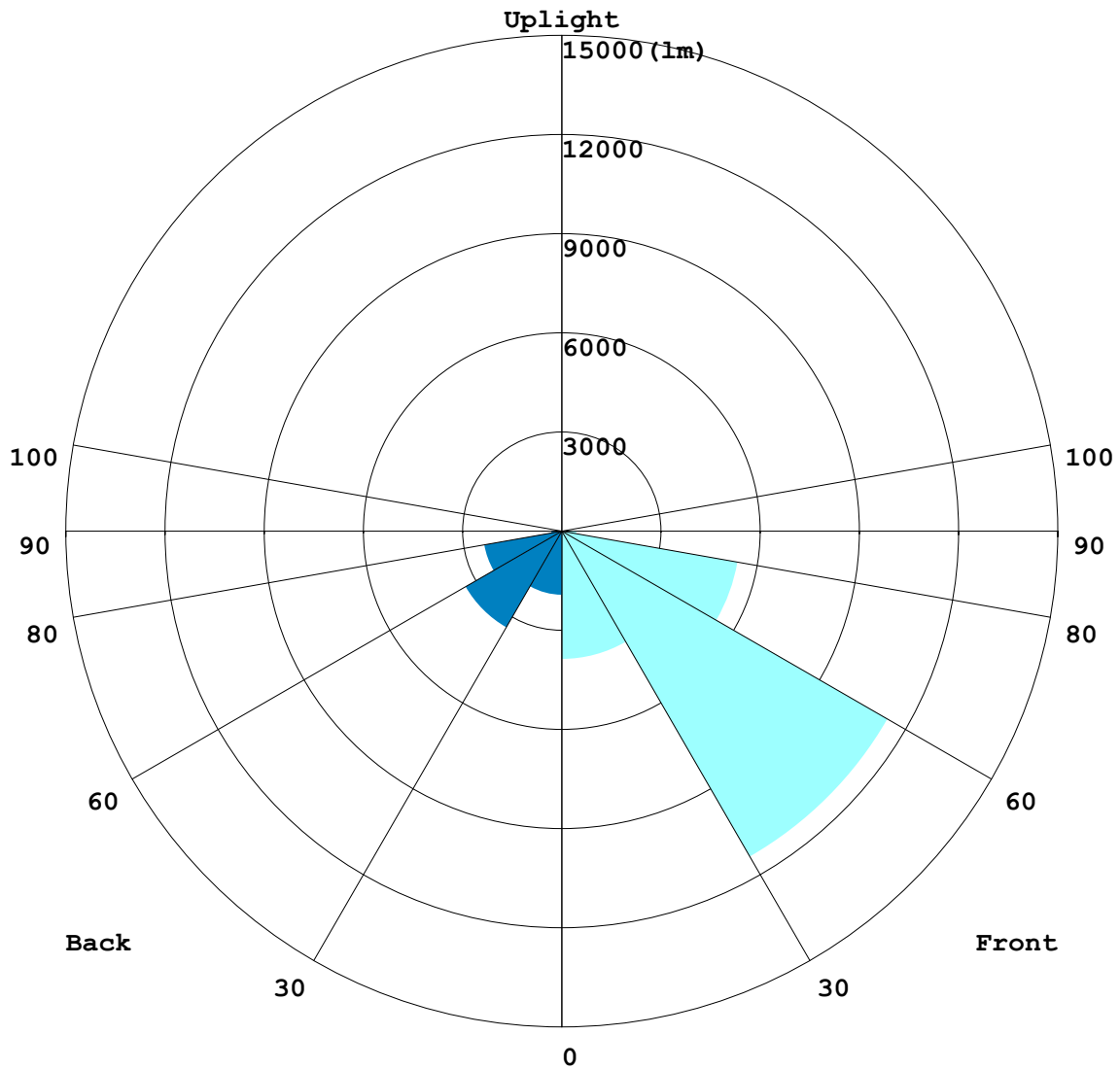
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:26.000m [K=0.0446]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:120.0V I:1.669A P:200.0W PF:0.998 Freq:50.00Hz		
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:29047.7x1 lm		
NAME: ST10-200-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

$\gamma$  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=0.0446]  
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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**BUG REPORT**

Test:U:120.0V I:1.669A P:200.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29047.7x1 lm		
NAME: ST10-200-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3865	13.3
FM - Front-Medium(30-60)	11369	39.1
FH - Front-High(60-80)	5393.8	18.6
FVH - Front-Very High(80-90)	437.46	1.5
<b>Total Forward Light</b>	<b>21065</b>	<b>72.5</b>

BL - Back-Low(0-30)	1924.1	6.6
BM - Back-Medium(30-60)	3359.8	11.6
BH - Back-High(60-80)	2382	8.2
BVH - Back-Very High(80-90)	316.33	1.1
<b>Total Back Light</b>	<b>7982.3</b>	<b>27.5</b>

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
<b>Total Up Light</b>	<b>0</b>	<b>0.0</b>

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7982.3	0	7982.3
Street Side	21065	0	21065

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2022-05-04

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=0.0446]  
 Remarks:

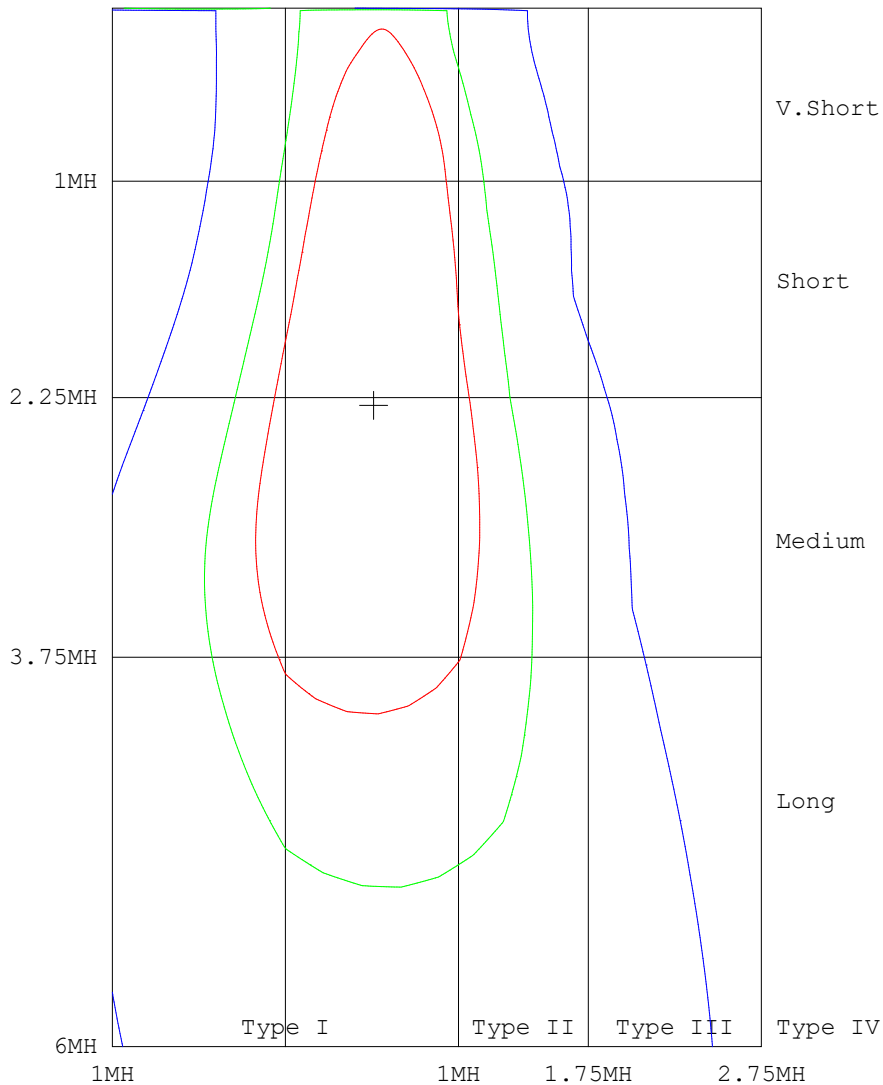


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:120.0V I:1.669A P:200.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29047.7x1 lm		
NAME: ST10-200-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG    Pavement 70% 10760    Road 50% 7085.6    Range: 3070 - 390DEG    2.5% 384.28  
 C Interval: 2.5DEG    γ Interval: 0.5DEG  
 Test Speed: HIGH    Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Temperature: 25.3°C    Humidity: 65.0%  
 Operators: LYJ    Test Distance: 26.000m [K=0.0446]  
 Test Date: 2022-05-04    Remarks:

















