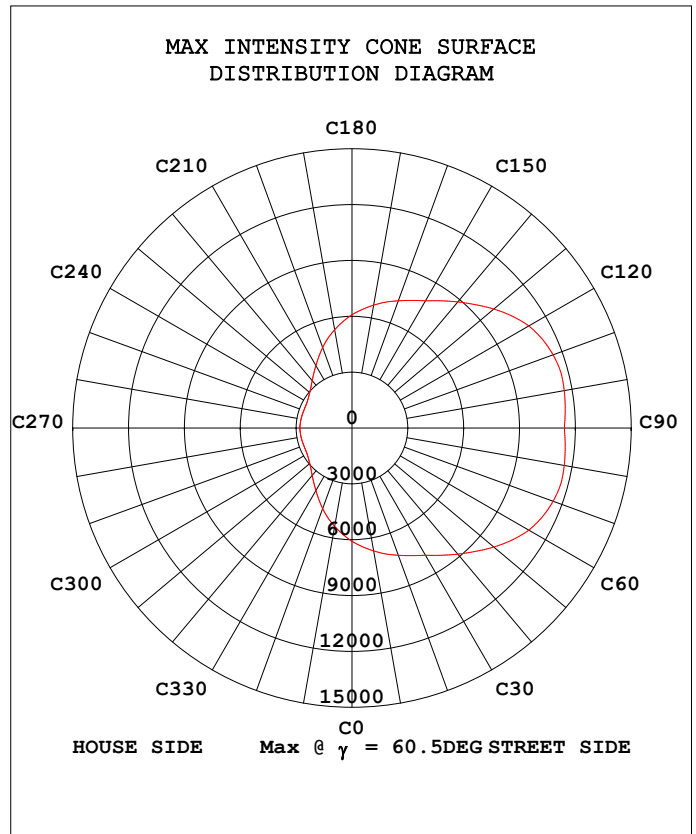
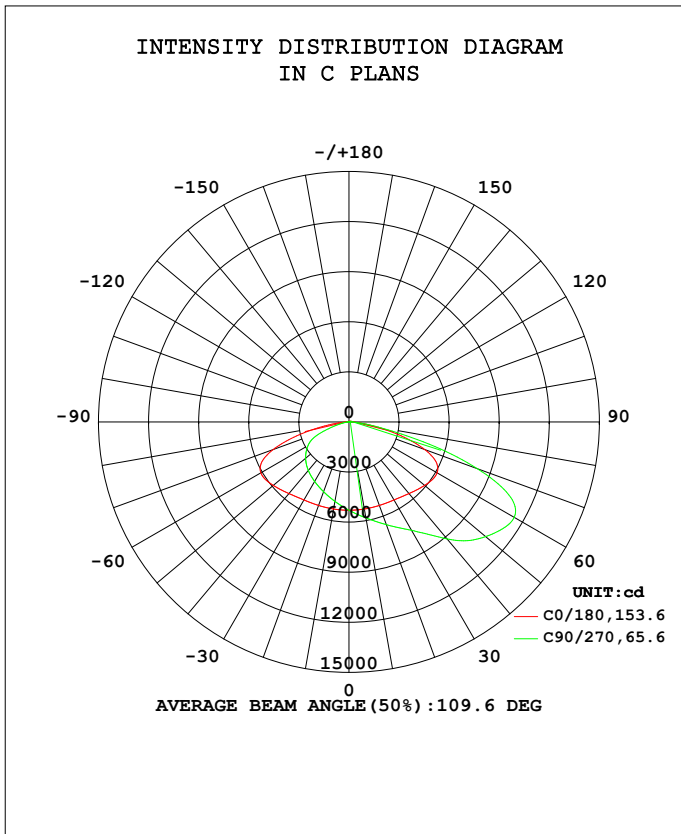


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:29143x1 lm		
NAME: ST10-200-UD-3070-A21604	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

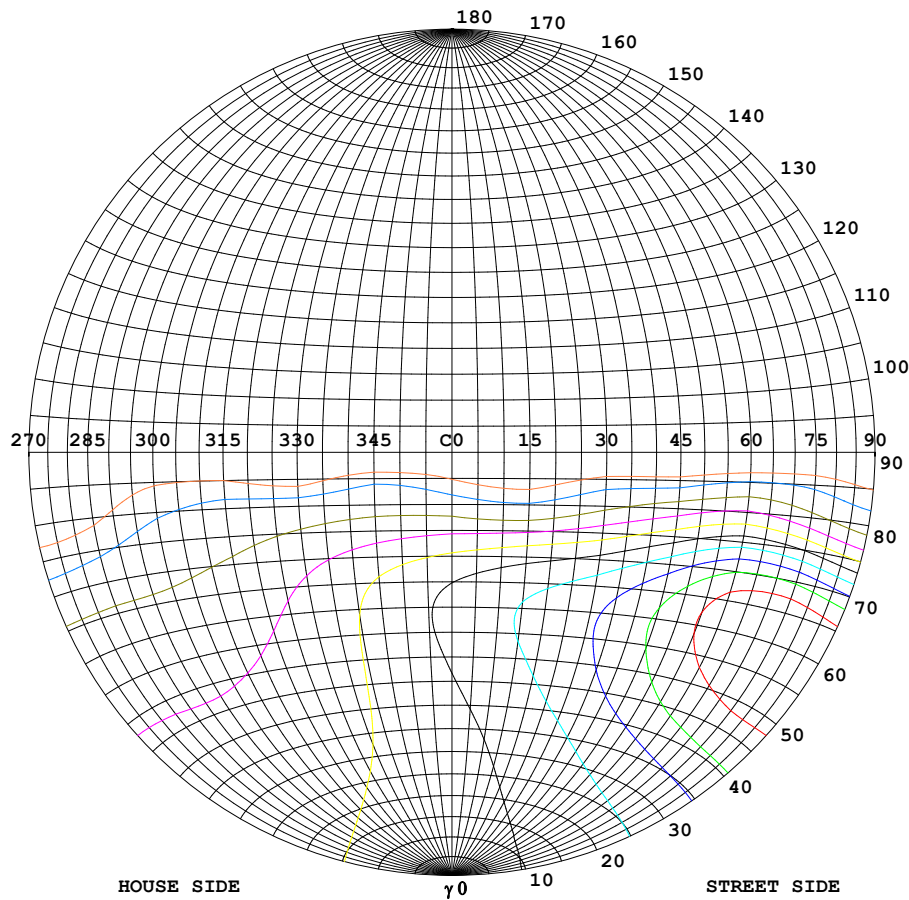
DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.72 lm/W			
MODEL	/	I <sub>max</sub> (cd)	11611	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	66.8
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	29143	η house_up (%)	0.0
NOMINAL FLUX (lm)	29143	MAXIMUM @ (C, γ )	75,60.5	η house_down (%)	33.2
LAMPS 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:**

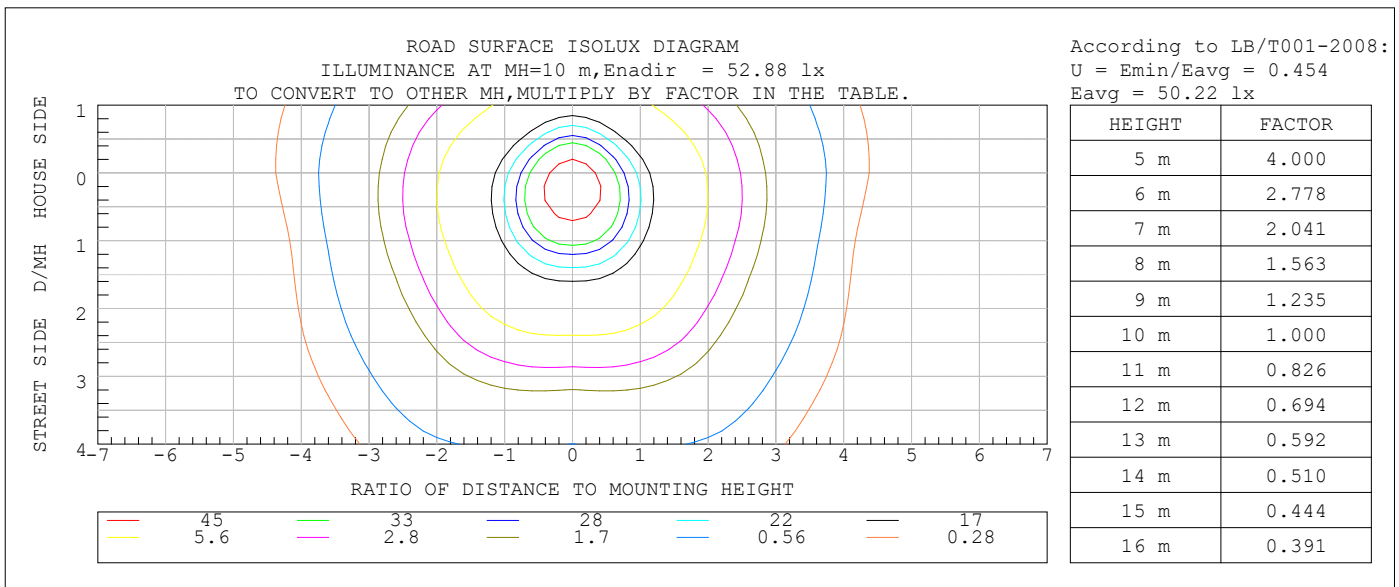
IES:Type IV - Very Short  
 CIE:Broad - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:123.8cd/klm  
 Max.At90:0.2179cd/klm  
 Max.80-90:123.8cd/klm  
 NRB 5101:Semi limited[11.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11611
90%	10450
80%	9289
70%	8127
60%	6966
50%	5805
40%	4644
30%	3483
20%	2322
10%	1161
5%	581

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:

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

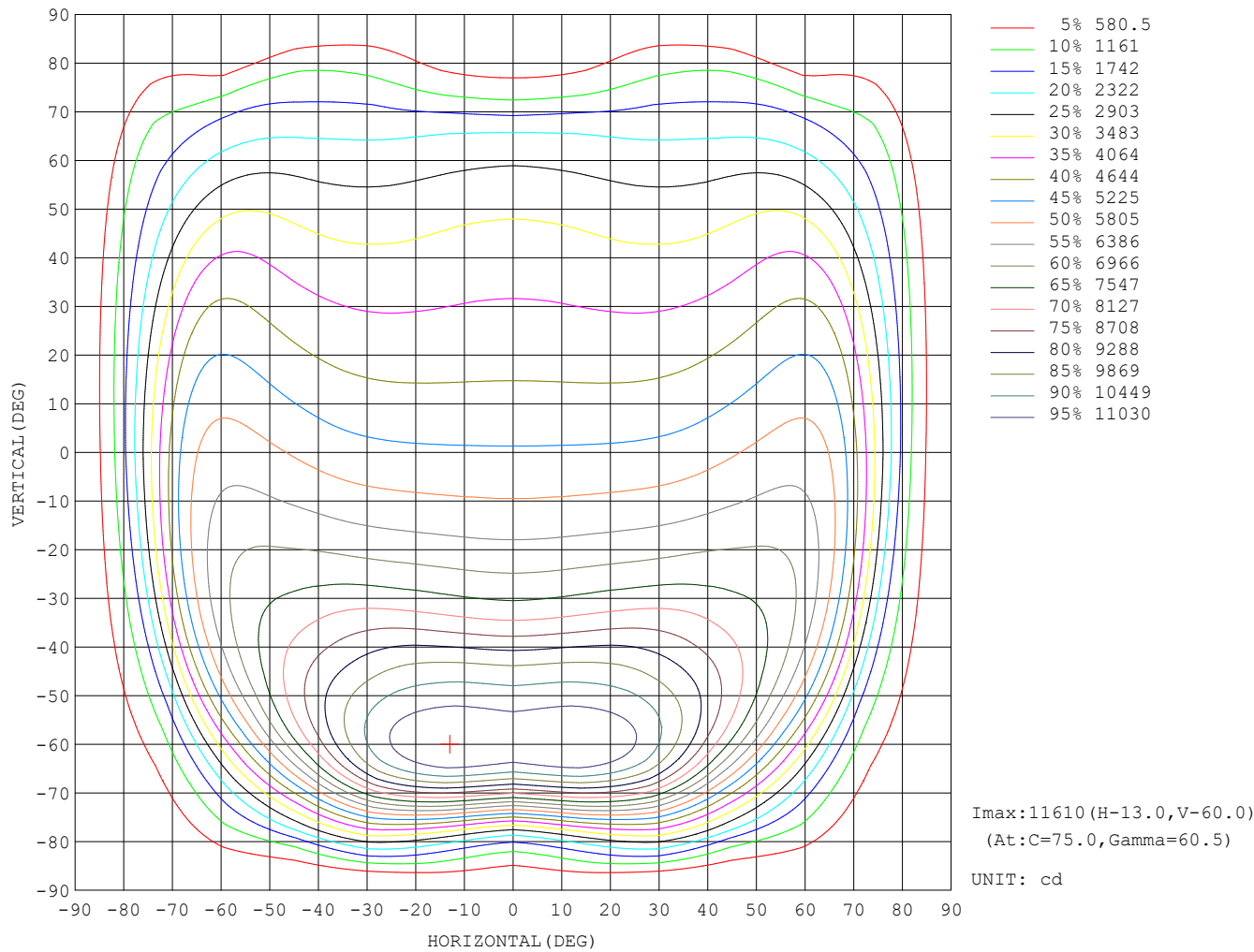
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	529.7	567.8	583.5	567.8	529.7	495.9	483.4	495.9	0- 10	506.1	506.1	1.74,1.74
20	532.3	619.0	654.8	619.0	532.3	463.9	444.8	463.9	10- 20	1520	2026	6.95,6.95
30	539.6	690.2	749.7	690.2	539.6	432.0	411.5	432.0	20- 30	2548	4574	15.7,15.7
40	560.0	793.4	914.0	793.4	560.0	398.1	378.9	398.1	30- 40	3637	8211	28.2,28.2
50	591.5	900.3	1068	900.3	591.5	361.1	339.1	361.1	40- 50	4827	13039	44.7,44.7
60	609.4	938.7	1143	938.7	609.4	314.5	283.3	314.5	50- 60	5820	18859	64.7,64.7
70	482.3	753.1	818.5	753.1	482.3	245.2	159.4	245.2	60- 70	5940	24798	85.1,85.1
80	162.8	291.1	178.2	291.1	162.8	140.0	34.68	140.0	70- 80	3592	28390	97.4,97.4
90	0.4778	0.1092	0.0788	0.1092	0.4778	0.5860	0.3046	0.5860	80- 90	752.6	29143	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:

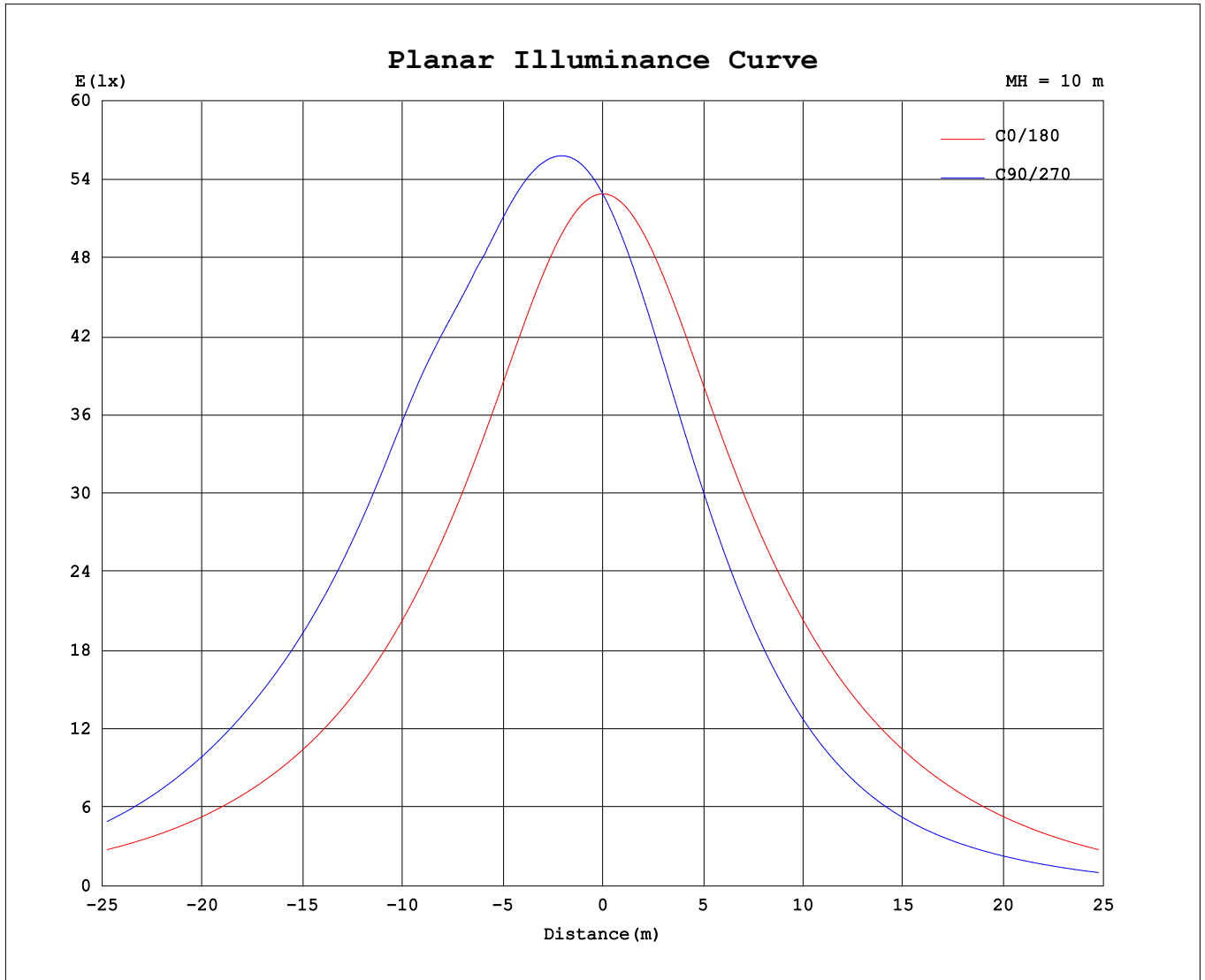
ISOCANDELA DIAGRAM



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

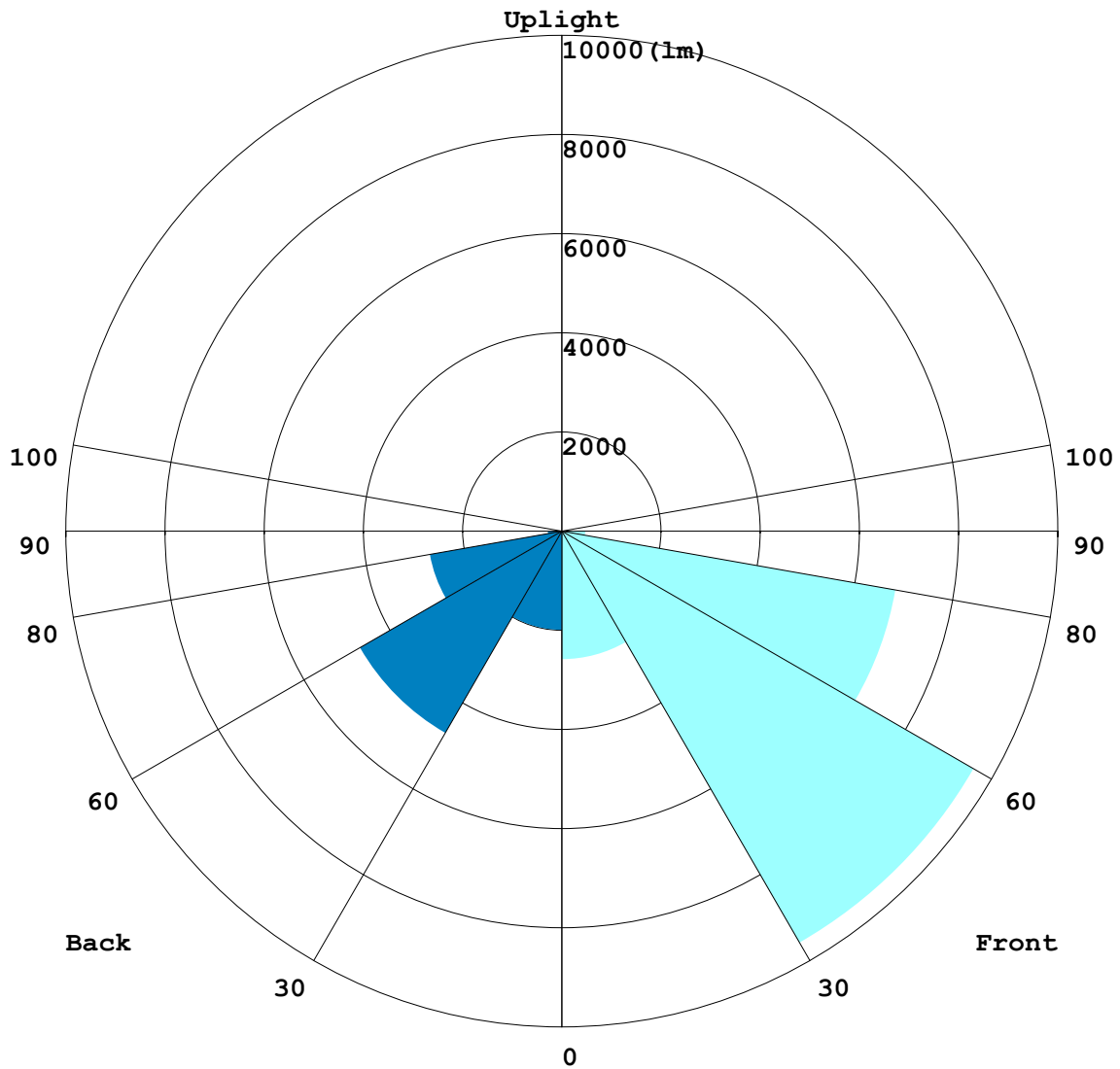
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:26.000m [K=0.0446]  
Remarks:

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:29143x1 lm		
NAME: ST10-200-UD-3070-A21604	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:29143x1 lm		
NAME: ST10-200-UD-3070-A21604	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2582.1	8.9
FM - Front-Medium(30-60)	9585	32.9
FH - Front-High(60-80)	6830.2	23.4
FVH - Front-Very High(80-90)	472.45	1.6
<b>Total Forward Light</b>	<b>19470</b>	<b>66.8</b>

BL - Back-Low(0-30)	1992.3	6.8
BM - Back-Medium(30-60)	4699.3	16.1
BH - Back-High(60-80)	2701.6	9.3
BVH - Back-Very High(80-90)	280.13	1.0
<b>Total Back Light</b>	<b>9673.3</b>	<b>33.2</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	<b>B4-U0-G4</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9673.3	0	9673.3
Street Side	19470	0	19470

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:

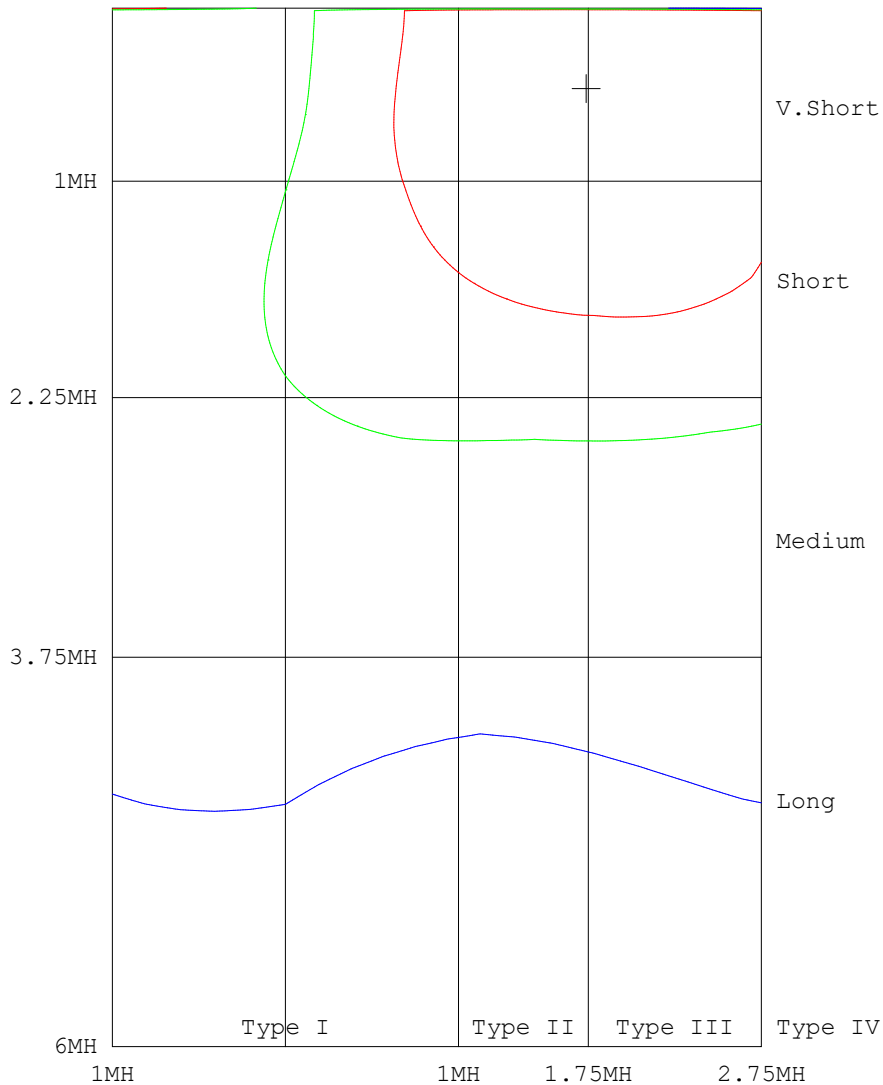


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:29143x1 lm		
NAME: ST10-200-UD-3070-A21604	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG	— Pavement	γ Range: 230.2 - 90DEG
C Interval: 2.5DEG	— Road	γ Interval: 0.5DEG
Test Speed: HIGH	70% 81.27.6	Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature: 25.3°C	50% 5805.3	Humidity: 65.0%
Operators: LYJ	30% 5805.3	Test Distance: 26.000m [K=0.0446]
Test Date: 2022-05-04		Remarks:

















EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8

UNIT: X10cd

$\gamma$ (DEG)	C (DEG)																	
	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5							
0	529	529	529	529	529	529	529	529	529	529	529							
5	518	519	520	521	522	523	524	525	526	527	528							
10	507	509	511	513	515	517	519	521	523	525	527							
15	496	499	502	505	508	511	514	517	520	524	527							
20	485	489	492	496	500	505	509	513	518	523	527							
25	474	478	483	488	494	499	505	511	516	522	529							
30	463	469	475	481	488	495	502	509	516	524	532							
35	453	461	468	476	484	493	501	510	519	528	538							
40	445	454	463	473	483	493	504	515	526	537	548							
45	437	448	459	471	483	496	509	522	535	548	561							
50	429	442	456	470	485	500	515	530	545	560	576							
55	420	436	452	469	486	503	521	538	555	572	589							
60	407	424	443	462	481	501	519	537	556	574	592							
65	381	400	419	438	457	476	494	512	529	546	562							
70	330	345	360	376	391	406	420	433	446	459	471							
75	252	261	270	278	286	294	301	307	313	318	322							
80	165	171	176	181	185	188	187	185	181	176	170							
85	40.6	51.3	62.7	73.9	84.1	92.4	91.4	88.0	82.3	74.7	65.4							
90	0.64	0.63	0.63	0.62	0.61	0.60	0.59	0.58	0.56	0.54	0.51							

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: