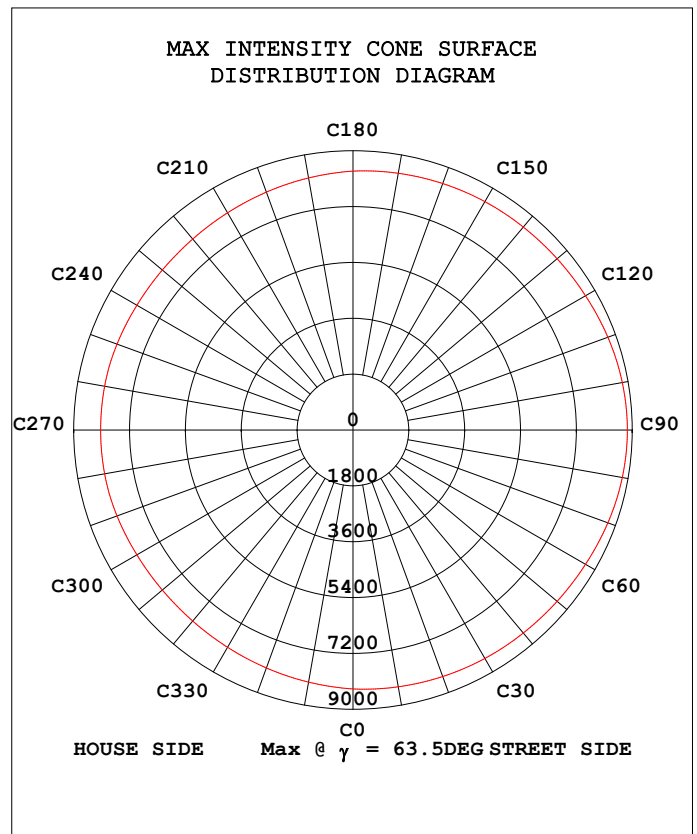
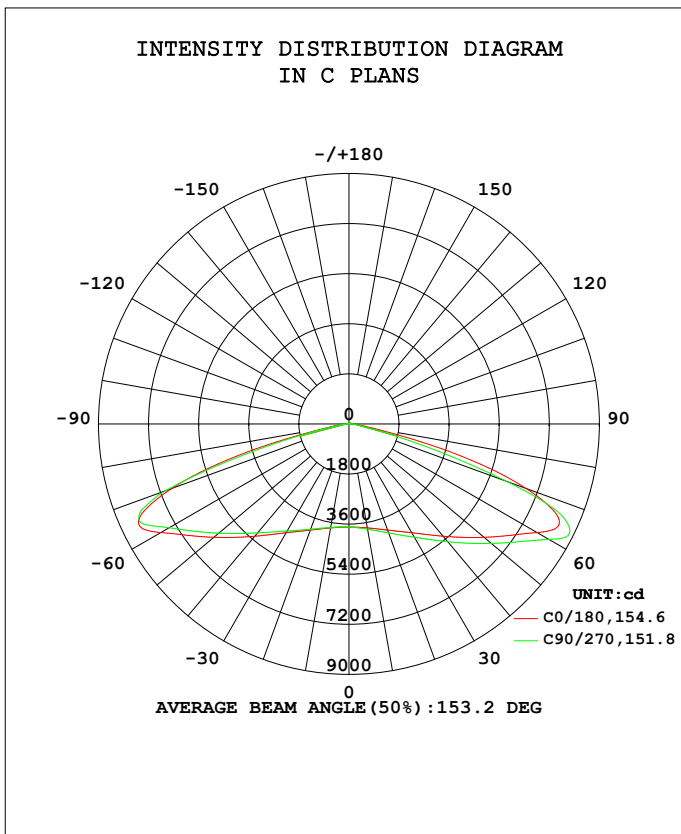


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:29369.6x1 lm		
NAME: ST10-200-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

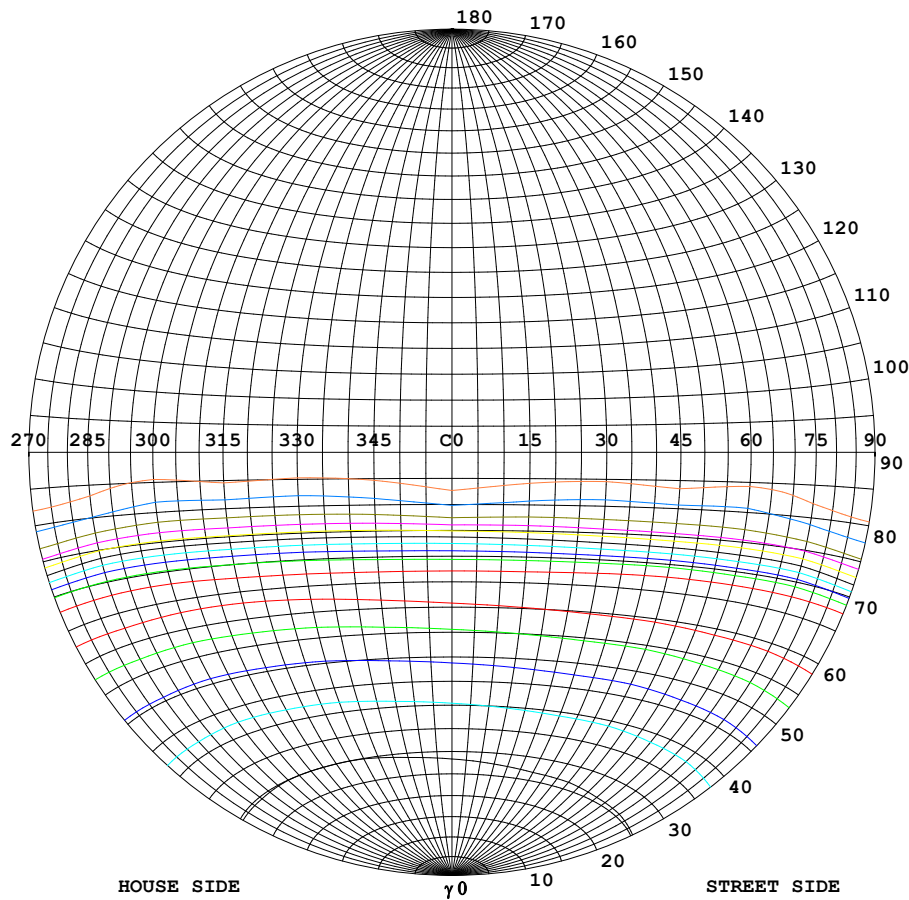
DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.85 lm/W			
MODEL	/	I _{max} (cd)	8842	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	50.4
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	29370	η house_up (%)	0.0
NOMINAL FLUX (lm)	29369.6	MAXIMUM @ (C, γ)	90, 63.5	η house_down (%)	49.6
LAMPS INSIDE	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:

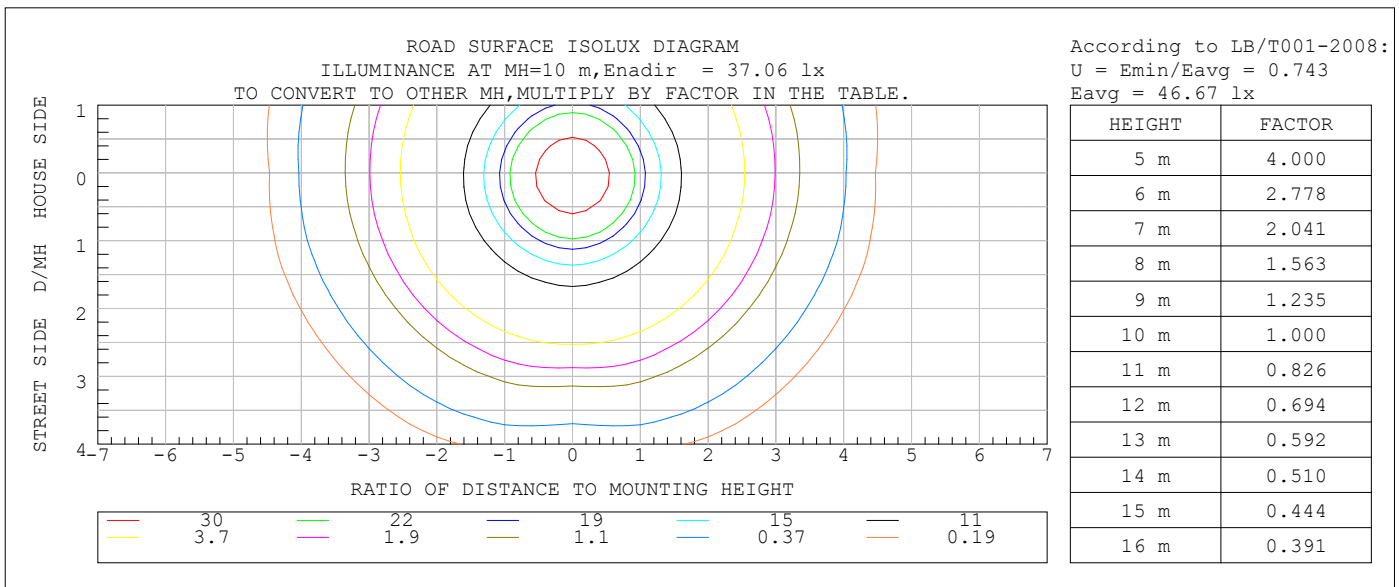
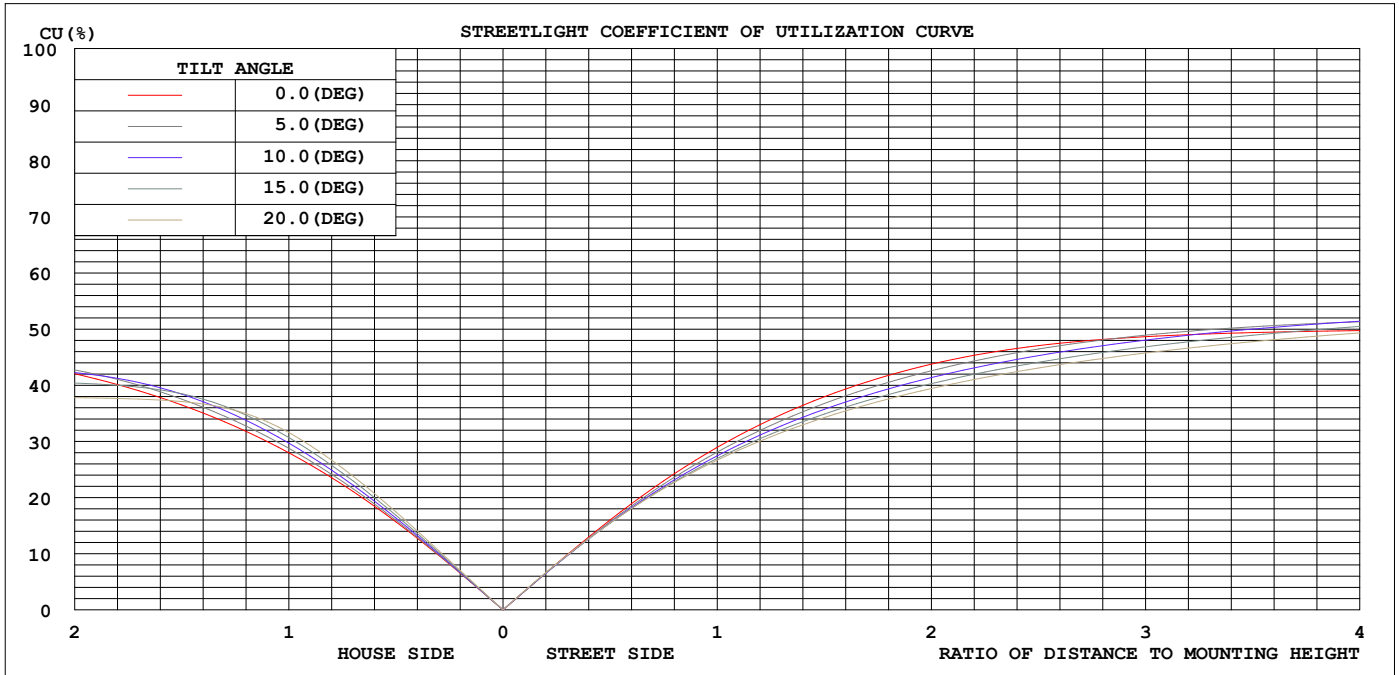
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:42.85cd/klm
 Max.At90:0.4731cd/klm
 Max.80-90:42.85cd/klm
 NRB 5101:Semi limited[11.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8842
90%	7958
80%	7074
70%	6190
60%	5305
50%	4421
40%	3537
30%	2653
20%	1768
10%	884
5%	442

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



According to LB/T001-2008:
 $U = E_{min}/E_{avg} = 0.743$
 $E_{avg} = 46.67 \text{ lx}$

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

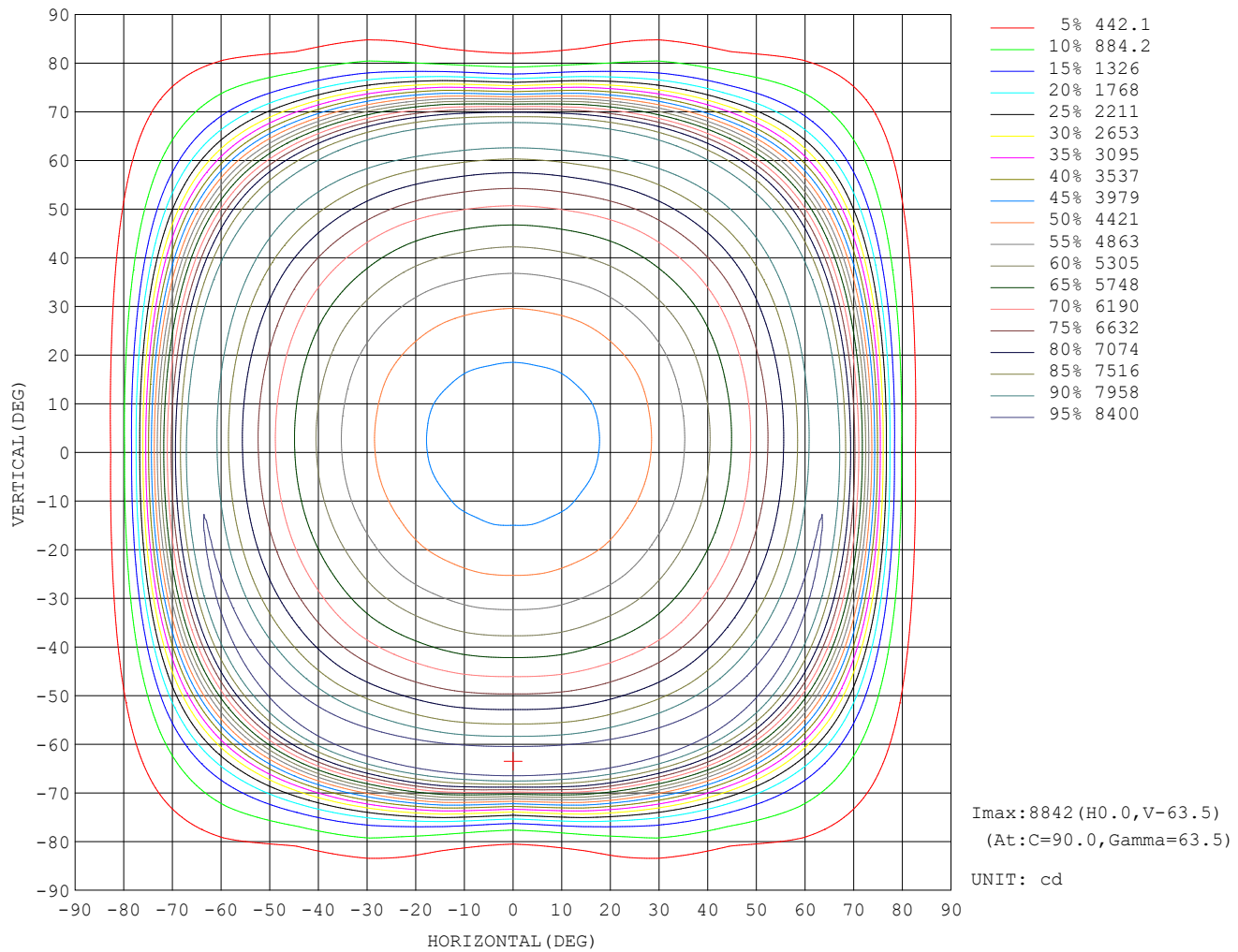
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3794	3822	3840	3822	3794	3775	3800	3775	0- 10	358.3	358.3	1.22,1.22
20	4059	4123	4168	4123	4059	4013	4025	4013	10- 20	1116	1474	5.02,5.02
30	4515	4622	4702	4622	4515	4422	4443	4422	20- 30	1990	3464	11.8,11.8
40	5267	5404	5525	5404	5267	5103	5114	5103	30- 40	3073	6537	22.3,22.3
50	6337	6502	6679	6502	6337	6105	6108	6105	40- 50	4486	11023	37.5,37.5
60	7805	8075	8300	8075	7805	7513	7463	7513	50- 60	6313	17336	59,59
70	6762	6735	6008	6735	6762	7069	7007	7069	60- 70	7954	25290	86.1,86.1
80	843.0	1006	493.9	1006	843.0	1224	686.1	1224	70- 80	3663	28953	98.6,98.6
90	3.785	1.519	1.380	1.519	3.785	7.659	1.999	7.659	80- 90	416.4	29370	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: 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:

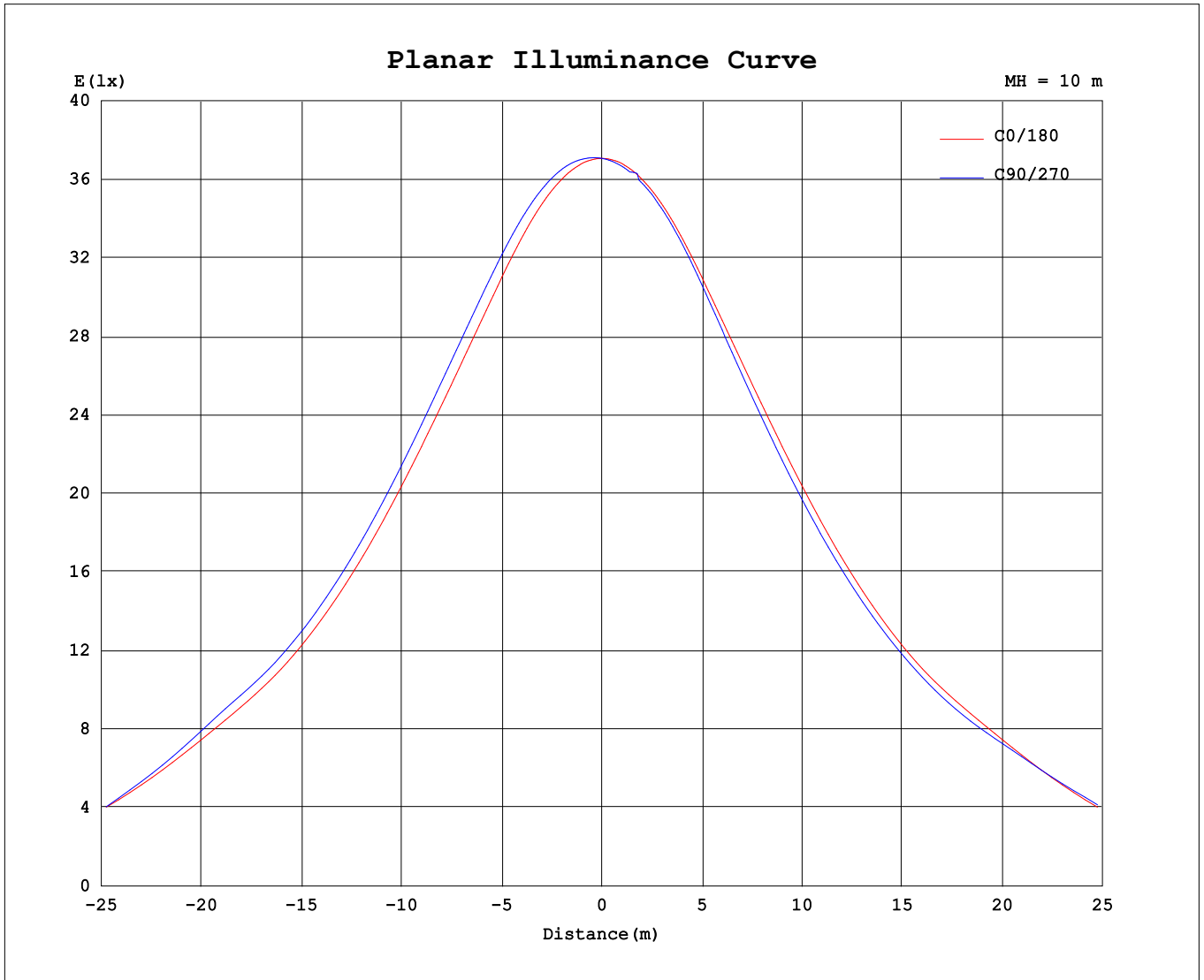
ISOCANDELA DIAGRAM



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:

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

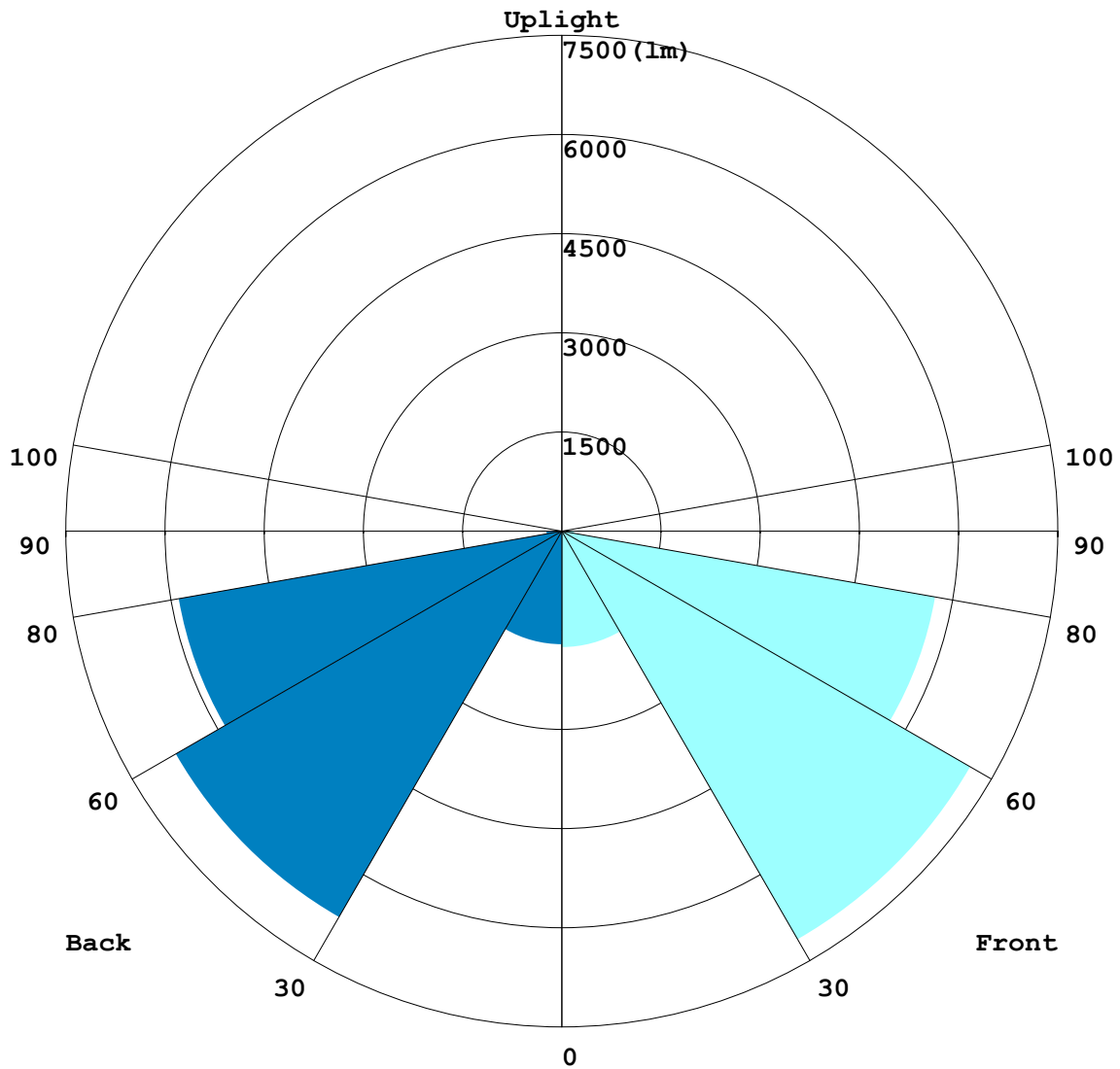
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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:29369.6x1 lm		
NAME: ST10-200-UD-3070-A21602	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

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

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:29369.6x1 lm		
NAME: ST10-200-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1754.1	6.0
FM - Front-Medium(30-60)	7130.7	24.3
FH - Front-High(60-80)	5733.4	19.5
FVH - Front-Very High(80-90)	184.77	0.6
Total Forward Light	14803	50.4

BL - Back-Low(0-30)	1710	5.8
BM - Back-Medium(30-60)	6741.6	23.0
BH - Back-High(60-80)	5883.3	20.0
BVH - Back-Very High(80-90)	231.67	0.8
Total Back Light	14567	49.6

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	14567	0	14567
Street Side	14803	0	14803

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

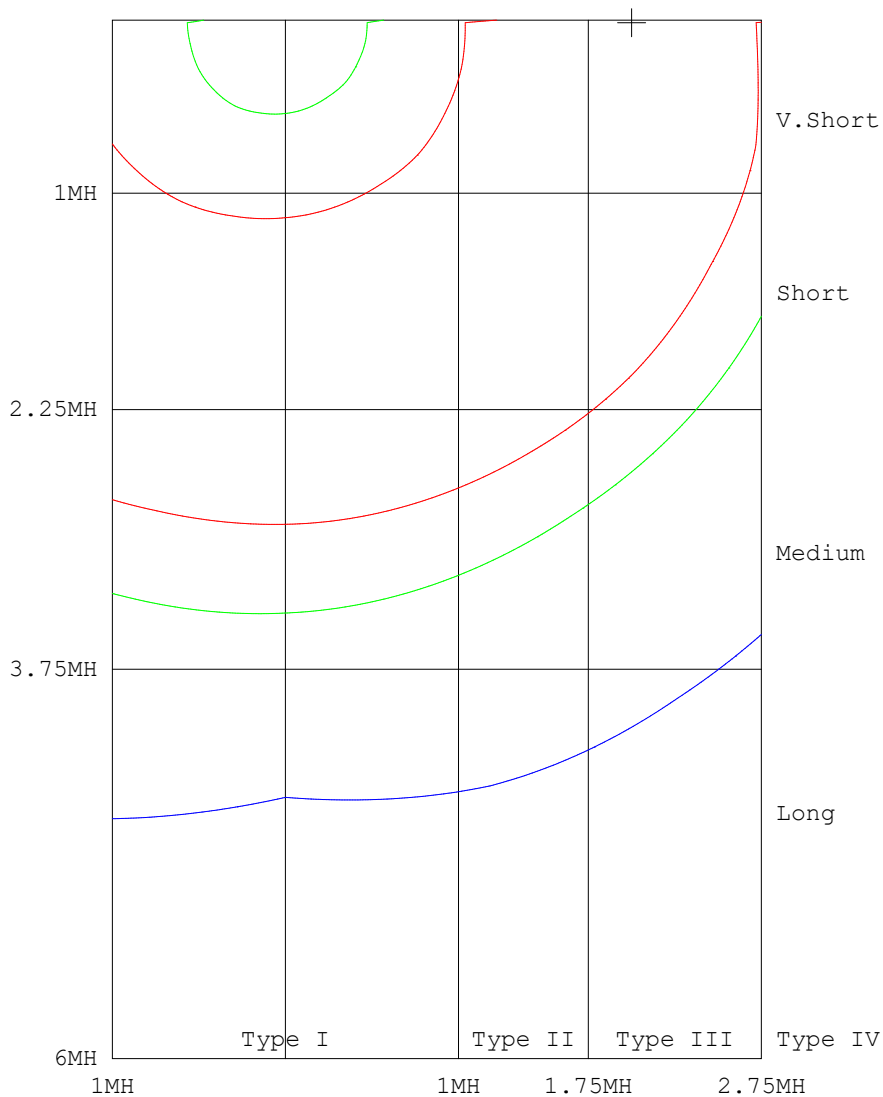
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

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:29369.6x1 lm		
NAME: ST10-200-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG Pavement: 189.6 Road: 1708.4 90DEG 2.5% 221.06
 C Interval: 2.5DEG γ Range: 0.5% - 5% 442.11
 Test Speed: HIGH γ Interval: 0.5DEG
 Temperature: 25.3°C Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Operators: LYJ Humidity: 65.0%
 Test Date: 2022-05-04 Test Distance: 26.000m [K=0.0446]
 Remarks:

