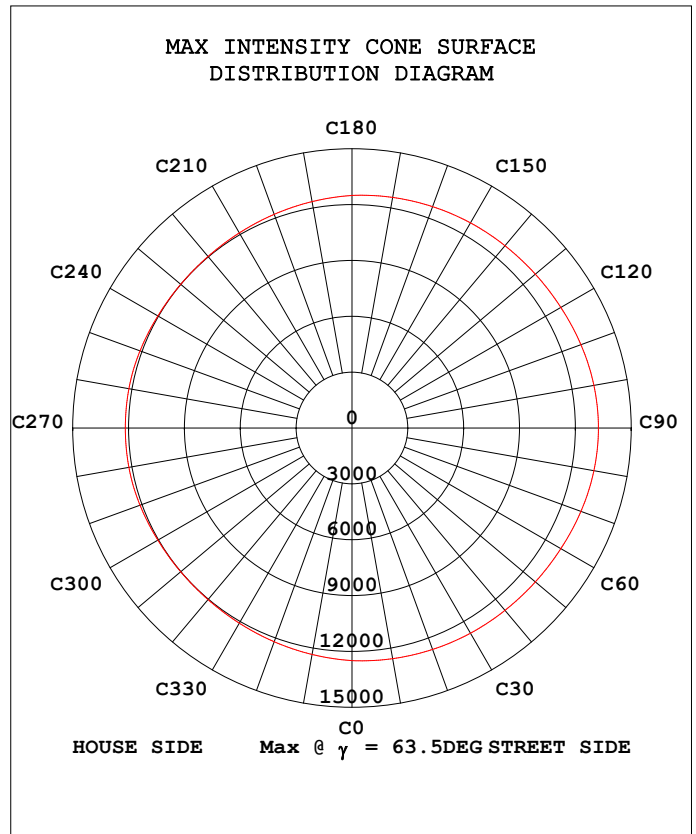
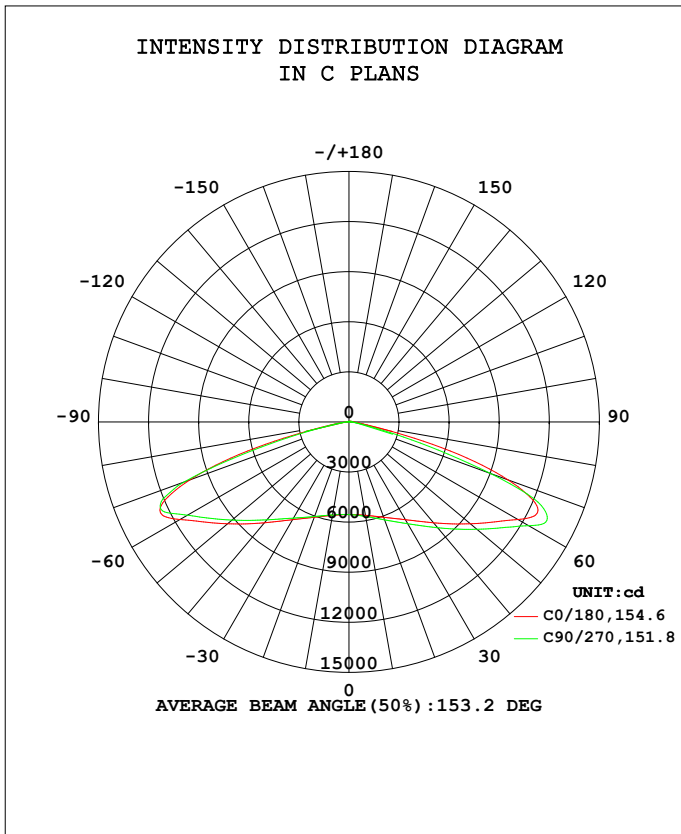


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43968.4x1 lm		
NAME: ST10-300-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

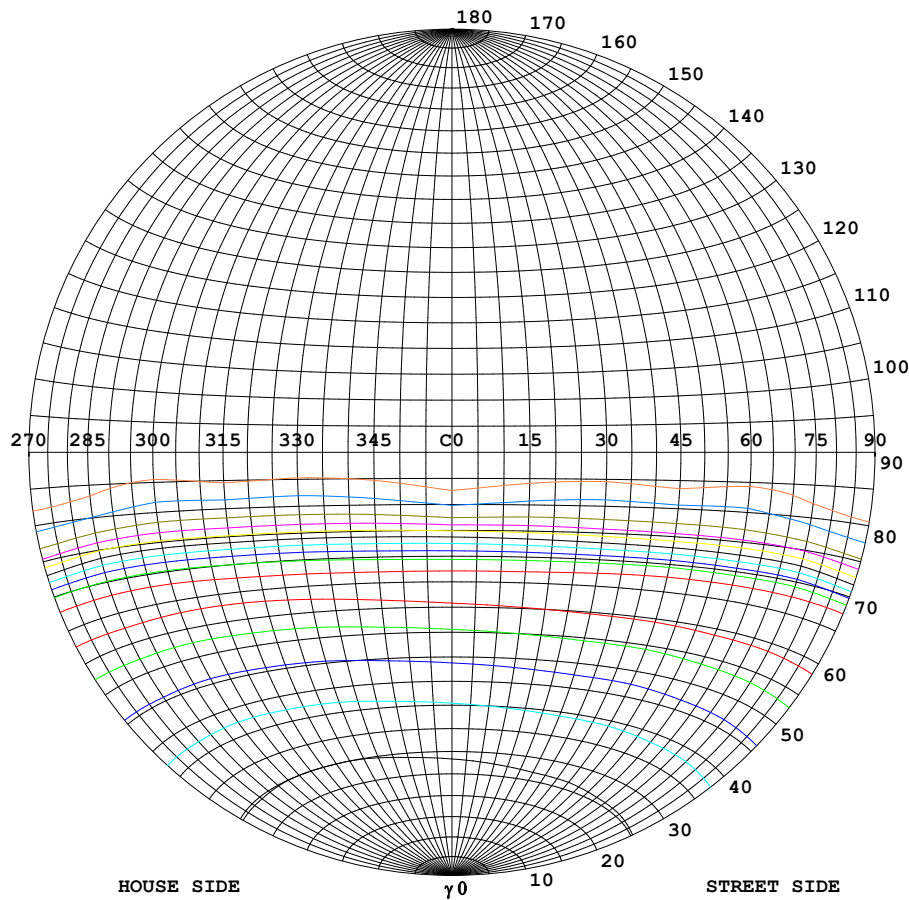
DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.56 lm/W			
MODEL	/	I _{max} (cd)	13238	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	50.4
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	43968	η house_up (%)	0.0
NOMINAL FLUX (lm)	43968.4	MAXIMUM @ (C, γ)	90, 63.5	η house_down (%)	49.6
LAMPS INSIDE	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:

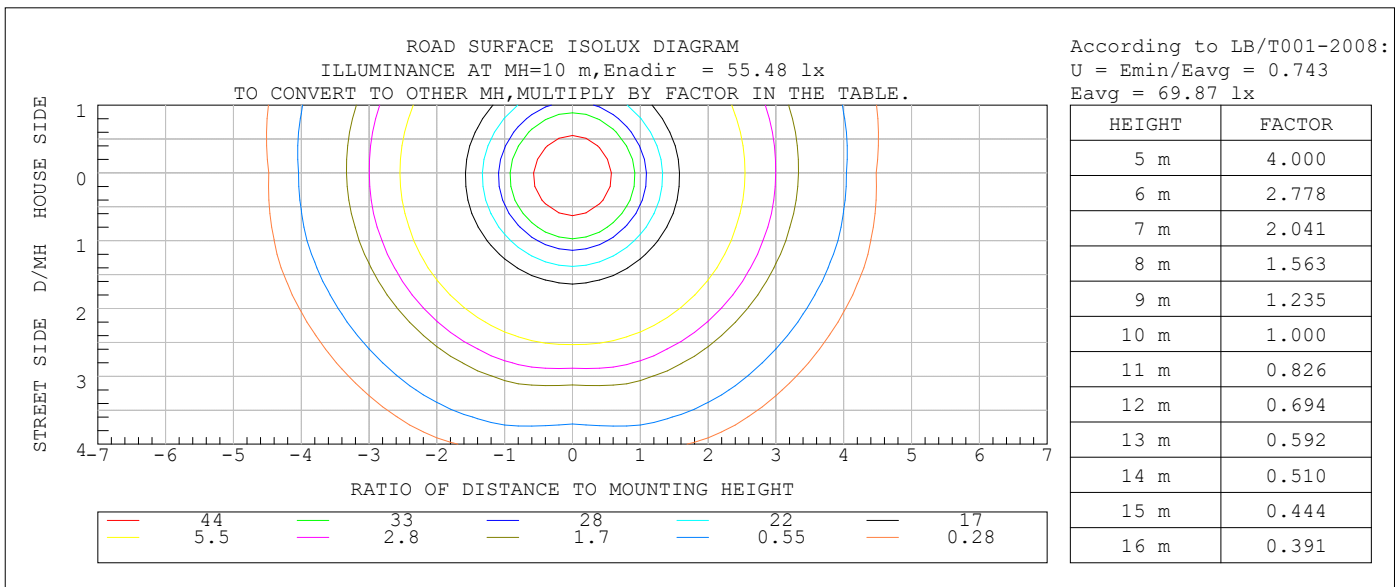
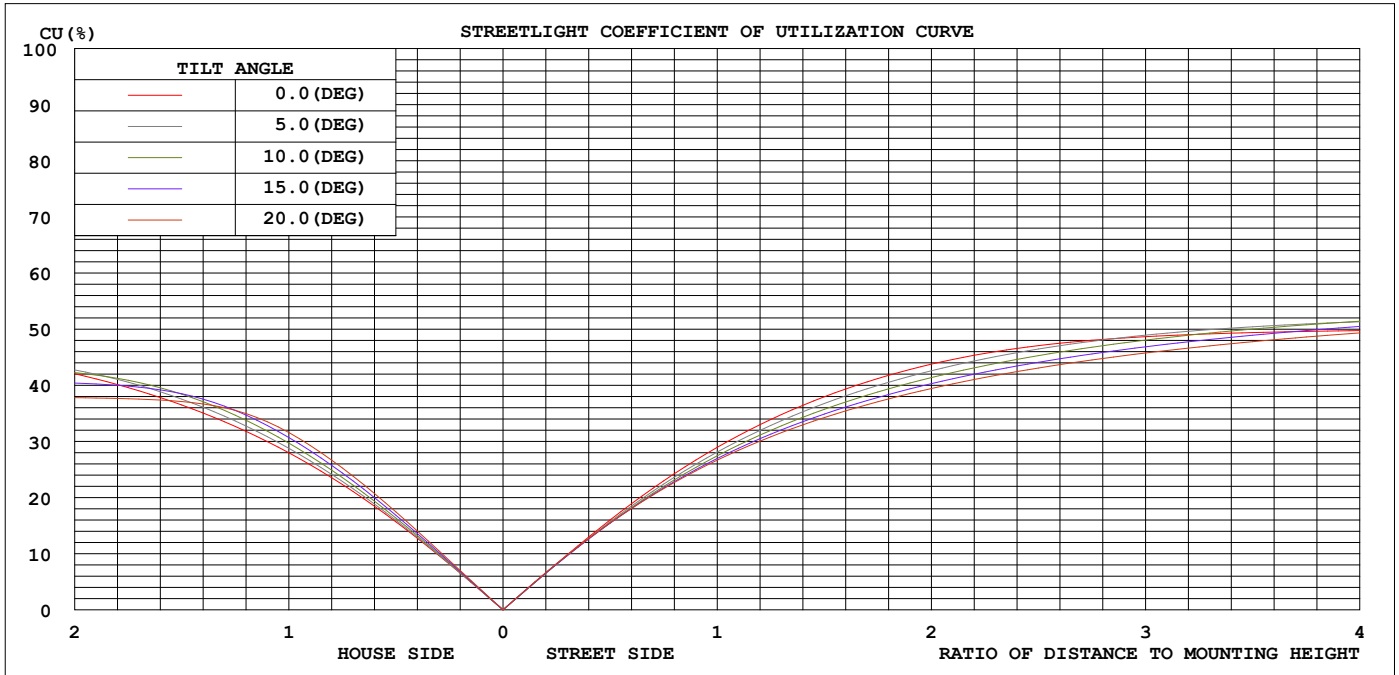
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:42.85cd/klm
 Max.At90:0.4731cd/klm
 Max.80-90:42.85cd/klm
 NRB 5101:Semi limited[11.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13238
90%	11914
80%	10590
70%	9266
60%	7943
50%	6619
40%	5295
30%	3971
20%	2648
10%	1324
5%	662

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 = Emin/Eavg = 0.743
Eavg = 69.87 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

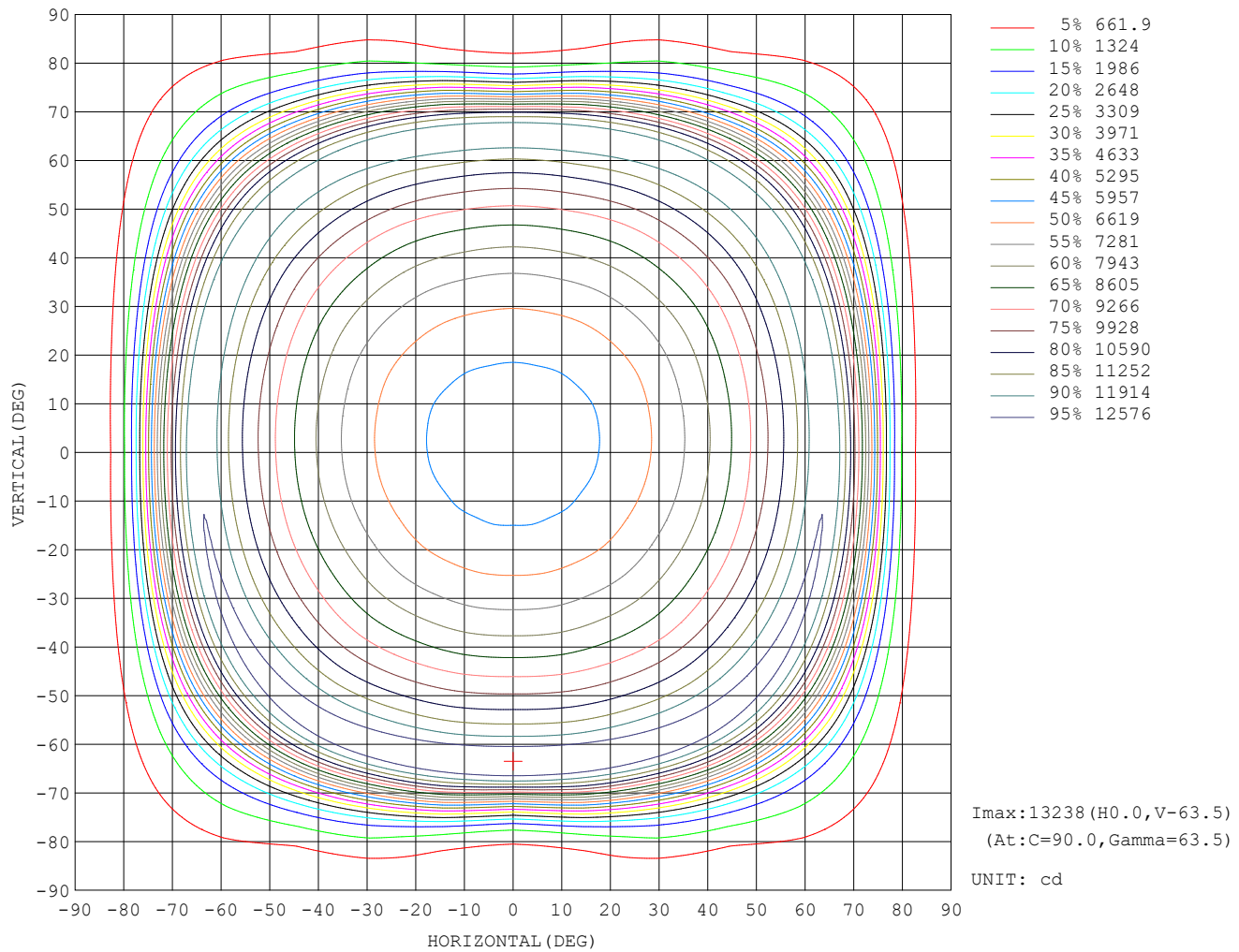
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	568.0	572.1	574.8	572.1	568.0	565.2	568.8	565.2	0- 10	536.4	536.4	1.22,1.22
20	607.6	617.3	624.0	617.3	607.6	600.7	602.6	600.7	10- 20	1671	2207	5.02,5.02
30	675.9	691.9	704.0	691.9	675.9	662.0	665.2	662.0	20- 30	2979	5186	11.8,11.8
40	788.5	808.9	827.2	808.9	788.5	763.9	765.6	763.9	30- 40	4601	9787	22.3,22.3
50	948.7	973.3	999.9	973.3	948.7	913.9	914.4	913.9	40- 50	6716	16503	37.5,37.5
60	1168	1209	1243	1209	1168	1125	1117	1125	50- 60	9451	25954	59,59
70	1012	1008	899.5	1008	1012	1058	1049	1058	60- 70	11907	37861	86.1,86.1
80	126.2	150.6	73.94	150.6	126.2	183.2	102.7	183.2	70- 80	5484	43345	98.6,98.6
90	0.5667	0.2275	0.2066	0.2275	0.5667	1.147	0.2993	1.147	80- 90	623.4	43968	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

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:

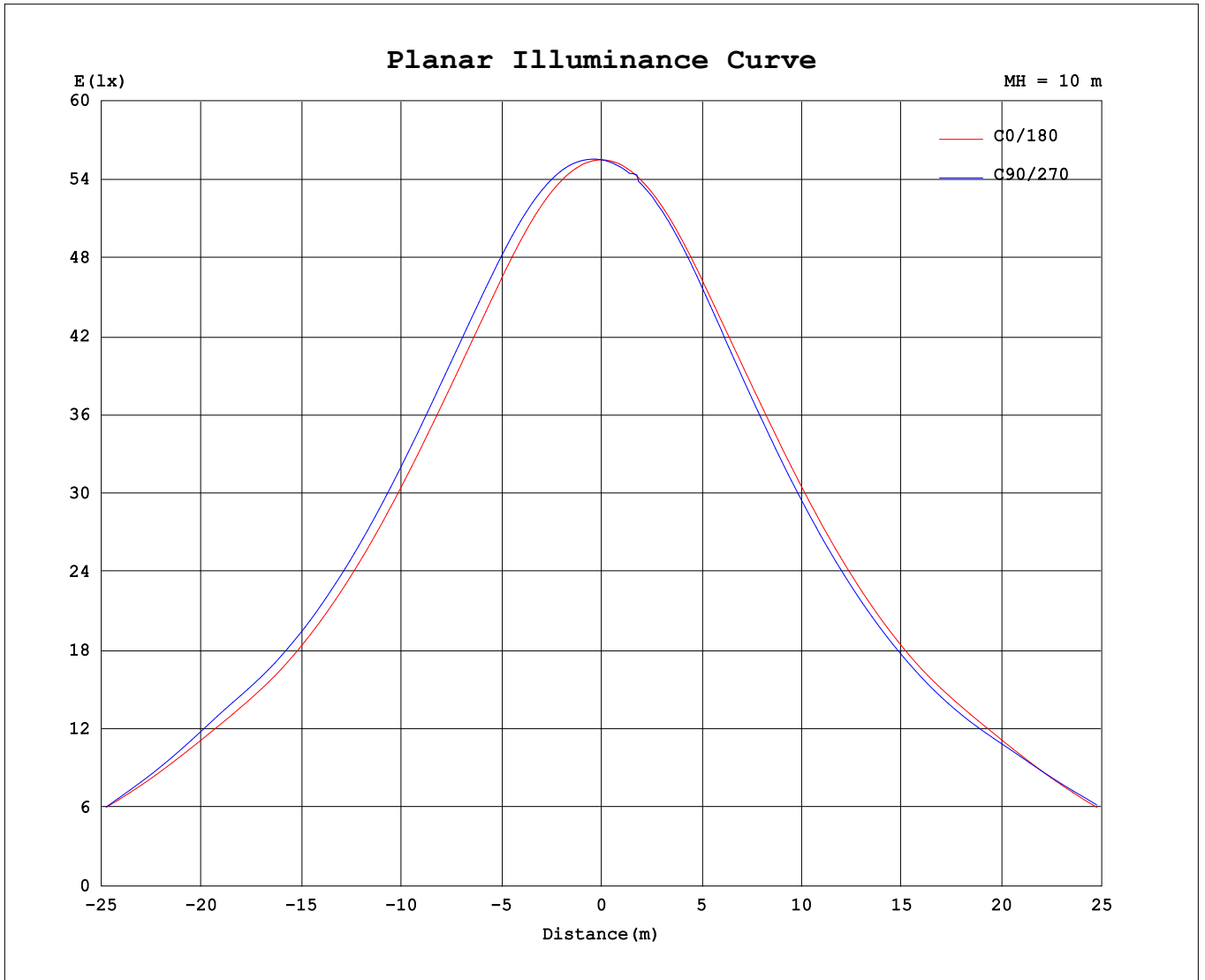
ISOCANDELA DIAGRAM



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

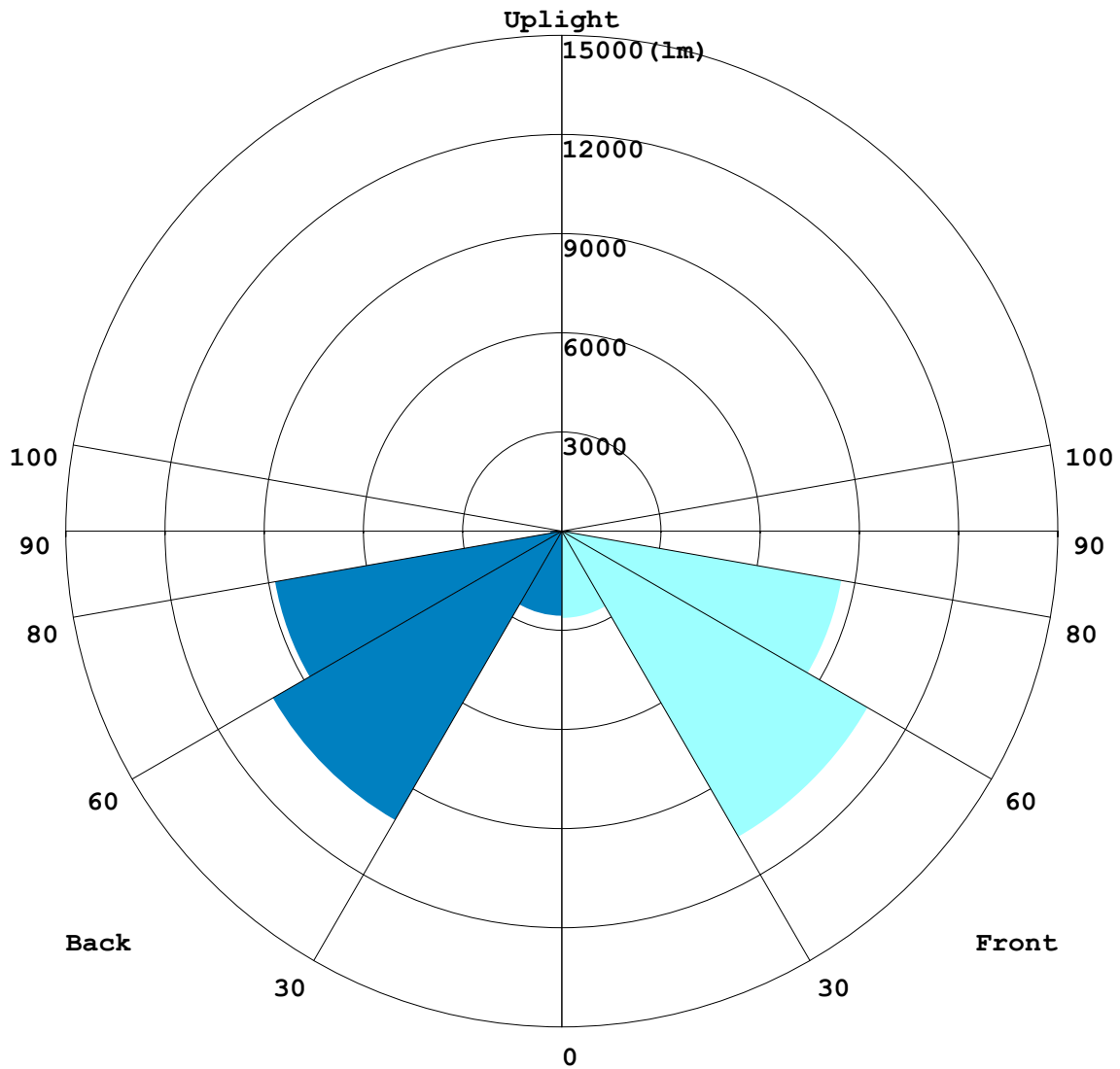
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43968.4x1 lm		
NAME: ST10-300-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:2.503A P:300.0W PF:0.999 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43968.4x1 lm		
NAME: ST10-300-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)	2626	6.0
FM - Front-Medium(30-60)	10675	24.3
FH - Front-High(60-80)	8583.3	19.5
FVH - Front-Very High(80-90)	276.62	0.6
Total Forward Light	22161	50.4

BL - Back-Low(0-30)	2560	5.8
BM - Back-Medium(30-60)	10093	23.0
BH - Back-High(60-80)	8807.7	20.0
BVH - Back-Very High(80-90)	346.82	0.8
Total Back Light	21807	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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21807	0	21807
Street Side	22161	0	22161

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

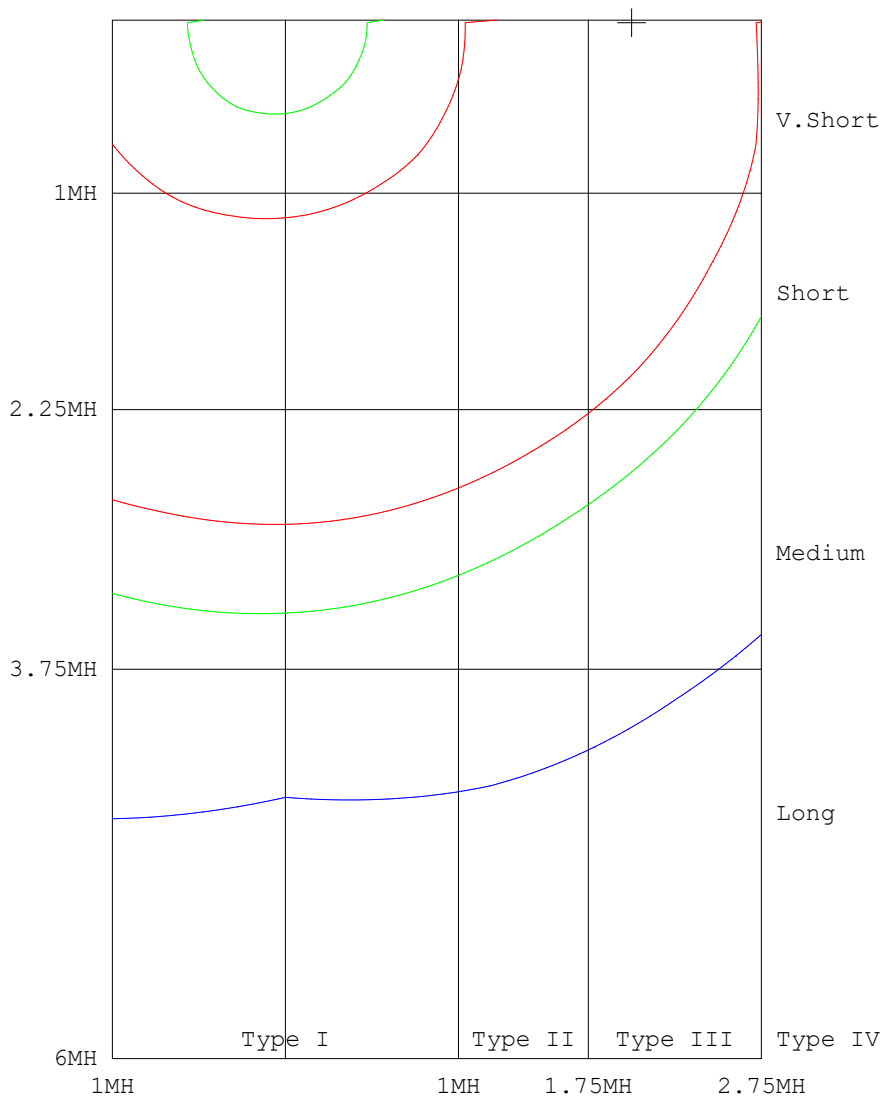
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:120.0V I:2.503A P:300.0W PF:0.999 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:43968.4x1 lm		
NAME: ST10-300-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG	— Pavement 266.2	Road 2647.5	90DEG	2.5%	330.94
C Interval: 2.5DEG	70% 926.5	50% 6018.7	5%	881.87	
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:				

