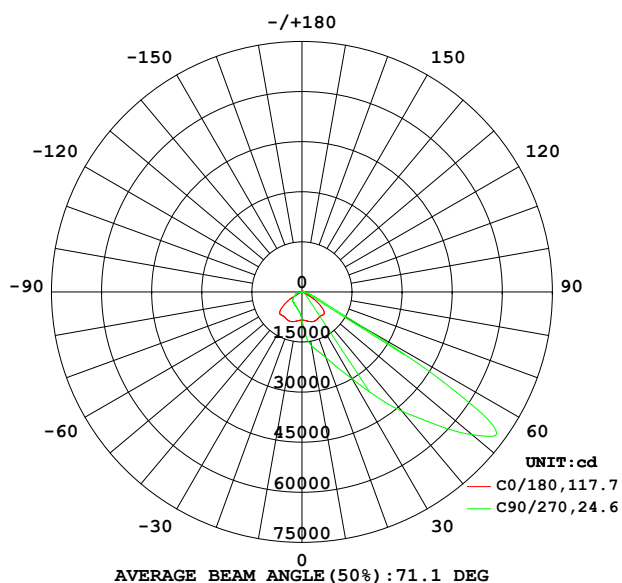


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

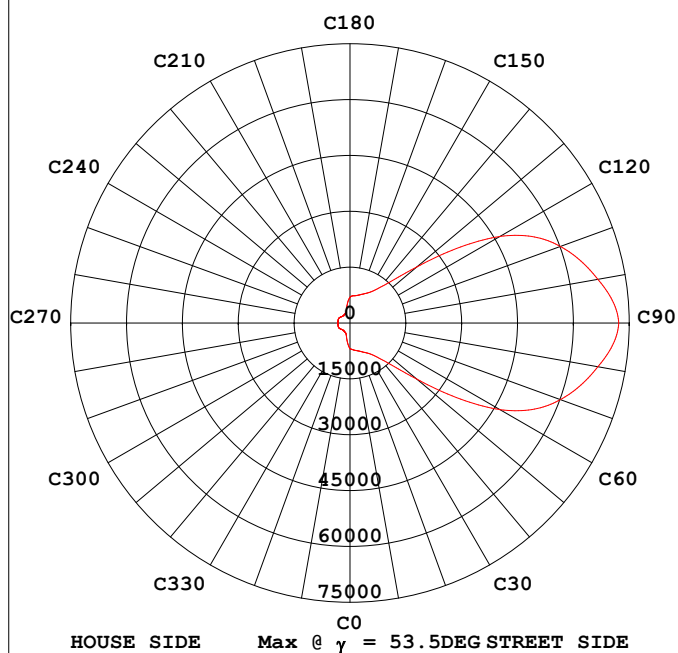
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:52064.8x1 lm		
NAME: SP04-400-5770-F04013	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.16 lm/W			
MODEL	/	I _{max} (cd)	72175	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	84.2
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	52065	η house_up (%)	0.0
NOMINAL FLUX (lm)	52064.8	MAXIMUM @ (C, γ)	90, 53.5	η house_down (%)	15.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

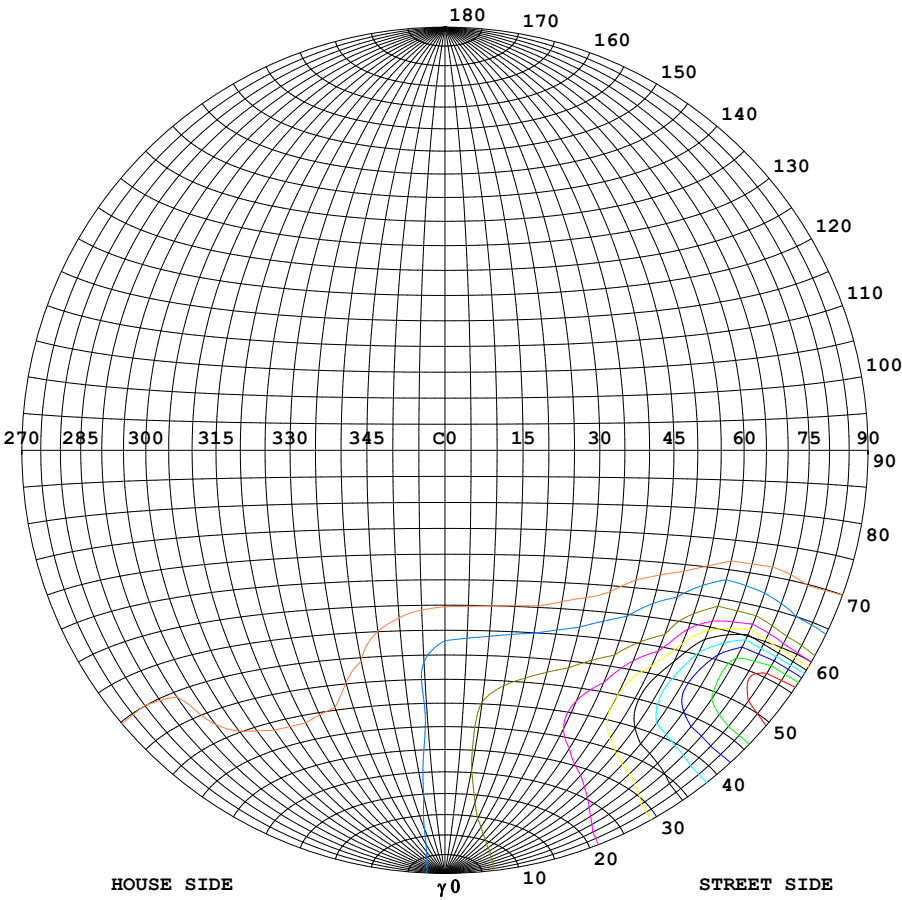
AVERAGE BEAM ANGLE (50%): 71.1 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2023-03-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4556]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

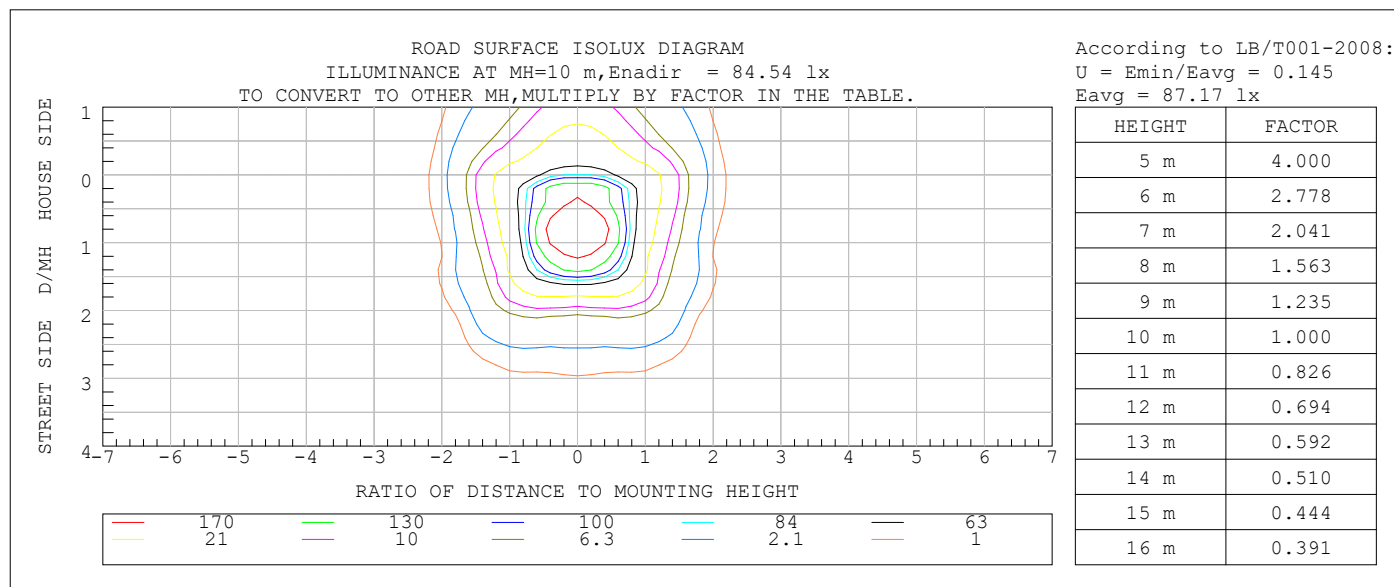
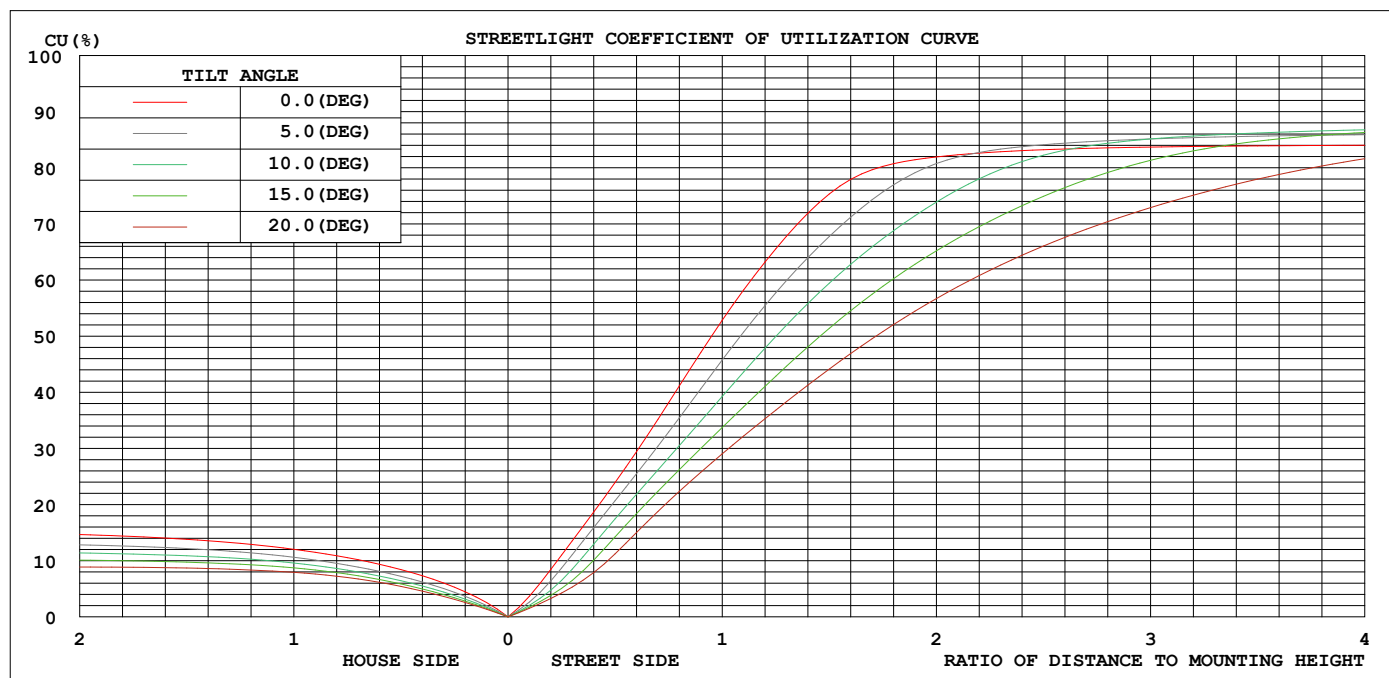


Classification:
IES:Type II - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:16.53cd/klm
Max.At90:0cd/klm
Max.80-90:16.53cd/klm
NRB 5101:Limited[1.7%]

ISOCANDELA DIAGRAM		
UNIT	cd	
Imax=100%	72175	
90%	64958	
80%	57740	
70%	50523	
60%	43305	
50%	36088	
40%	28870	
30%	21653	
20%	14435	
10%	7218	
5%	3609	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2023-03-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4556]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2023-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

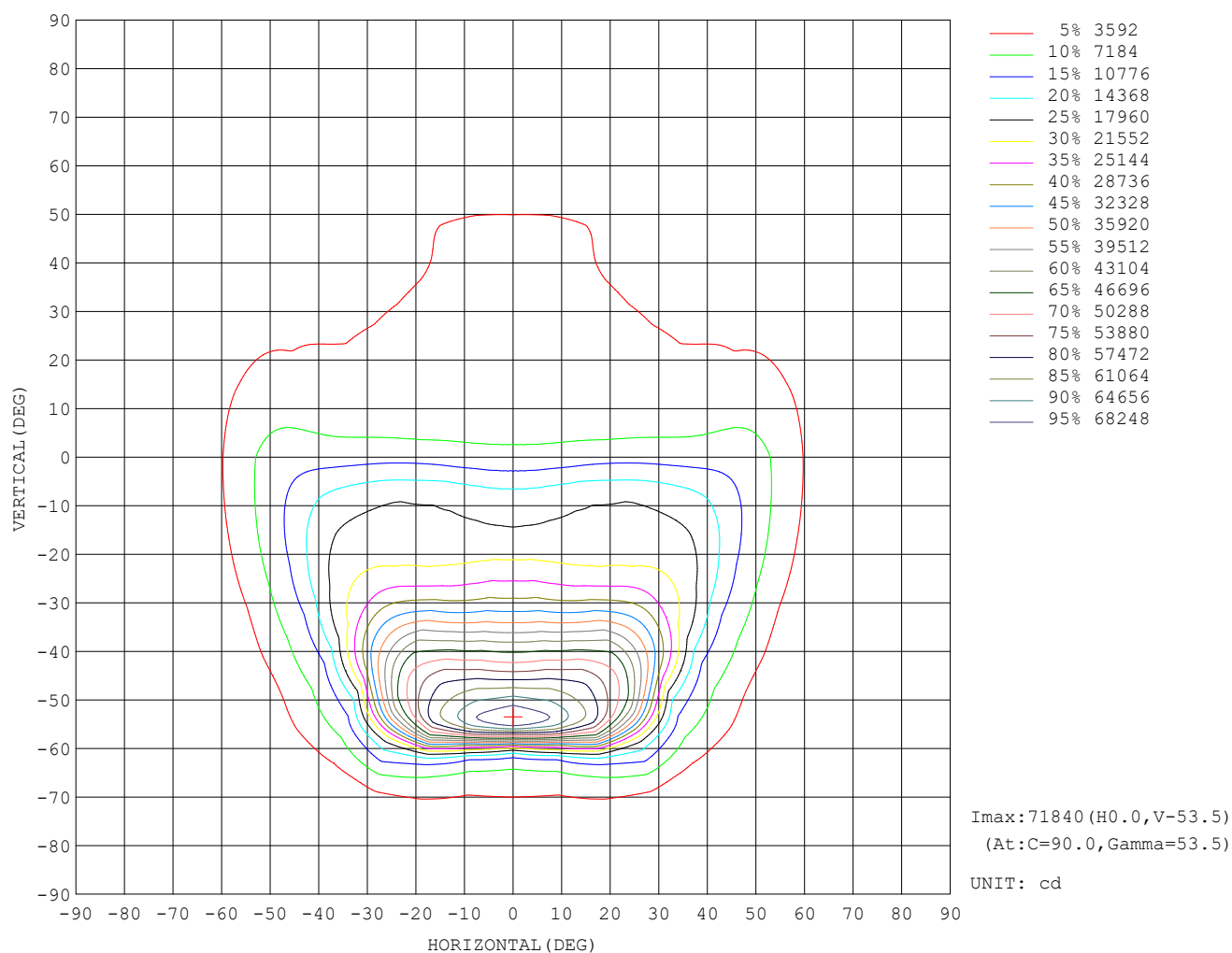
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	883.8	1521	1630	1521	883.8	603.4	568.5	603.4	0- 10	913.8	913.8	1.76,1.76
20	944.3	1875	2090	1875	944.3	506.6	480.1	506.6	10- 20	3162	4076	7.83,7.83
30	933.4	2150	3003	2150	933.4	418.4	443.8	418.4	20- 30	5800	9876	19,19
40	921.9	2816	4657	2816	921.9	351.0	401.1	351.0	30- 40	9524	19400	37.3,37.3
50	840.9	2455	6649	2455	840.9	293.0	359.6	293.0	40- 50	13962	33362	64.1,64.1
60	336.4	903.3	2103	903.3	336.4	219.9	276.1	219.9	50- 60	13468	46830	89.9,89.9
70	96.17	204.3	361.3	204.3	96.17	103.1	206.7	103.1	60- 70	4042	50872	97.7,97.7
80	27.64	36.48	86.06	36.48	27.64	26.80	56.98	26.80	70- 80	1051	51923	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	141.9	52065	100,100
100	0	0	0	0	0	0	0	0	90-100	0	52065	100,100
110	0	0	0	0	0	0	0	0	100-110	0	52065	100,100
120	0	0	0	0	0	0	0	0	110-120	0	52065	100,100
130	0	0	0	0	0	0	0	0	120-130	0	52065	100,100
140	0	0	0	0	0	0	0	0	130-140	0	52065	100,100
150	0	0	0	0	0	0	0	0	140-150	0	52065	100,100
160	0	0	0	0	0	0	0	0	150-160	0	52065	100,100
170	0	0	0	0	0	0	0	0	160-170	0	52065	100,100
180	0	0	0	0	0	0	0	0	170-180	0	52065	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2023-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
 Humidity:65.0%
 Test Distance:26.000m [K=0.4556]
 Remarks:

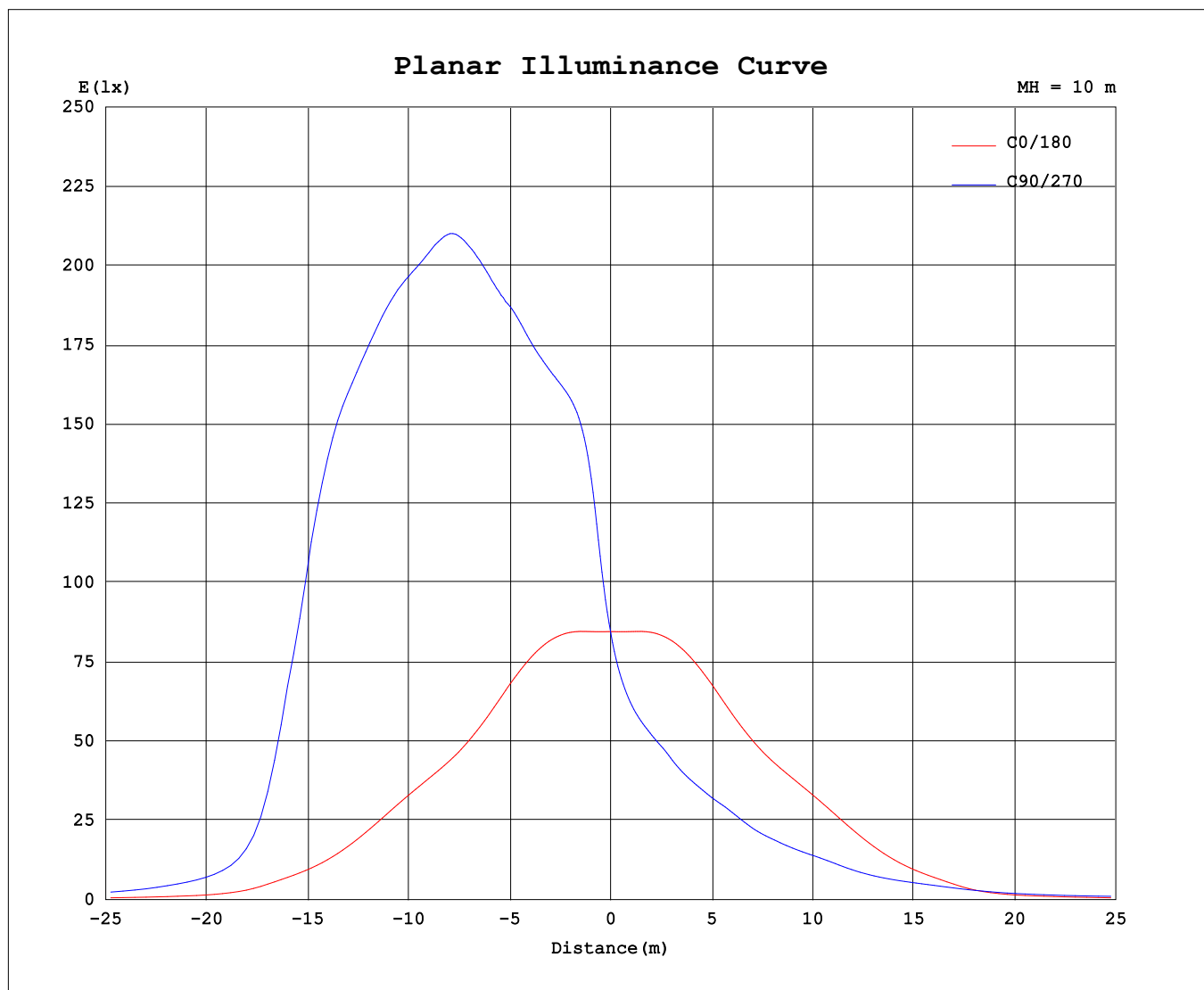
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2023-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4556]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2023-03-03

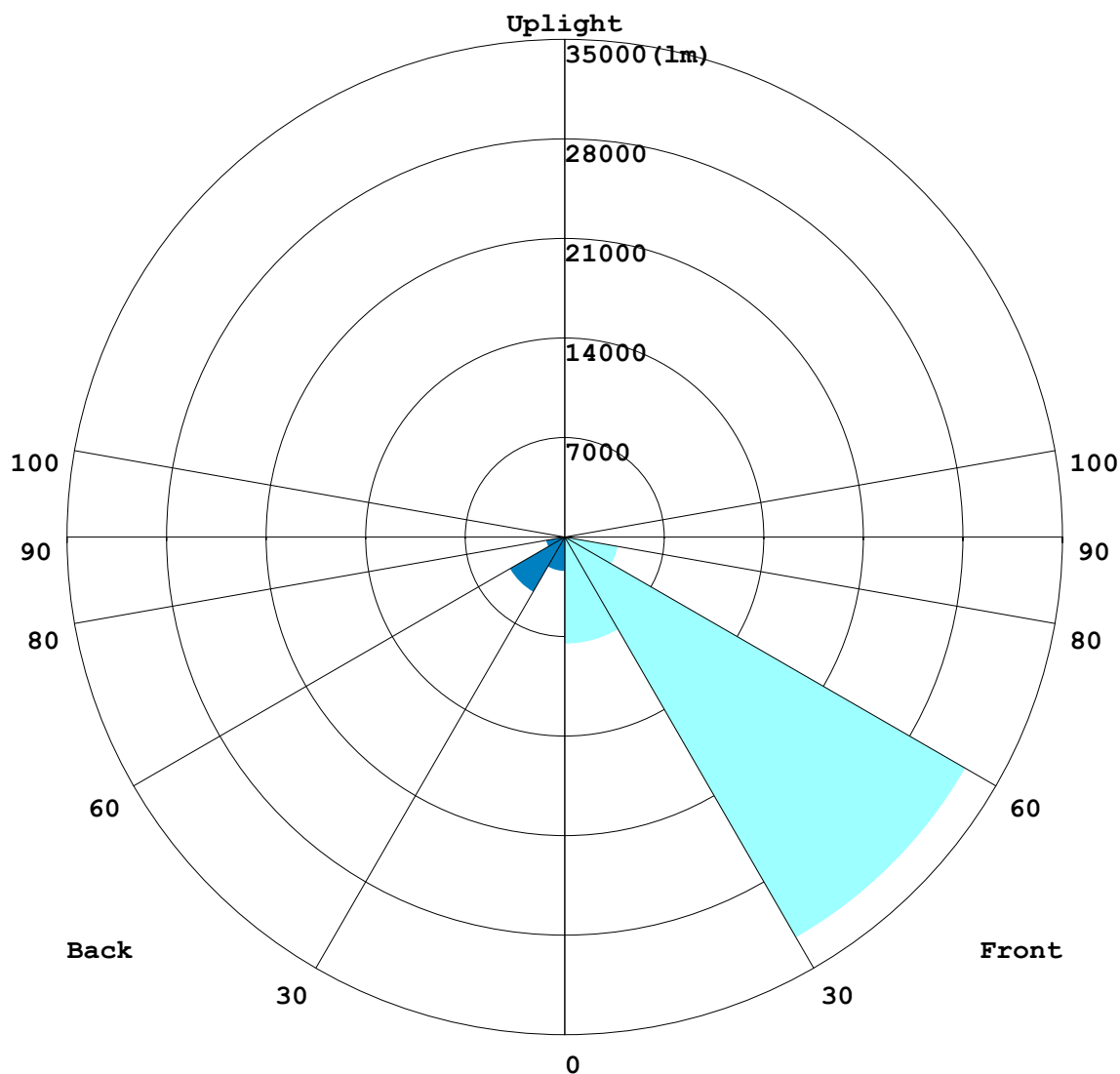
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:52064.8x1 lm		
NAME: SP04-400-5770-F04013	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:25.3℃
Operators:LYJ
Test Date:2023-03-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:52064.8x1 lm		
NAME: SP04-400-5770-F04013	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7495.6	14.4
FM - Front-Medium(30-60)	32511	62.4
FH - Front-High(60-80)	3771.3	7.2
FVH - Front-Very High(80-90)	72.362	0.1
Total Forward Light	43850	84.2

BL - Back-Low(0-30)	2380.5	4.6
BM - Back-Medium(30-60)	4442.8	8.5
BH - Back-High(60-80)	1321.7	2.5
BVH - Back-Very High(80-90)	69.531	0.1
Total Back Light	8214.6	15.8

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8214.6	0	8214.6
Street Side	43850	0	43850

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2023-03-03

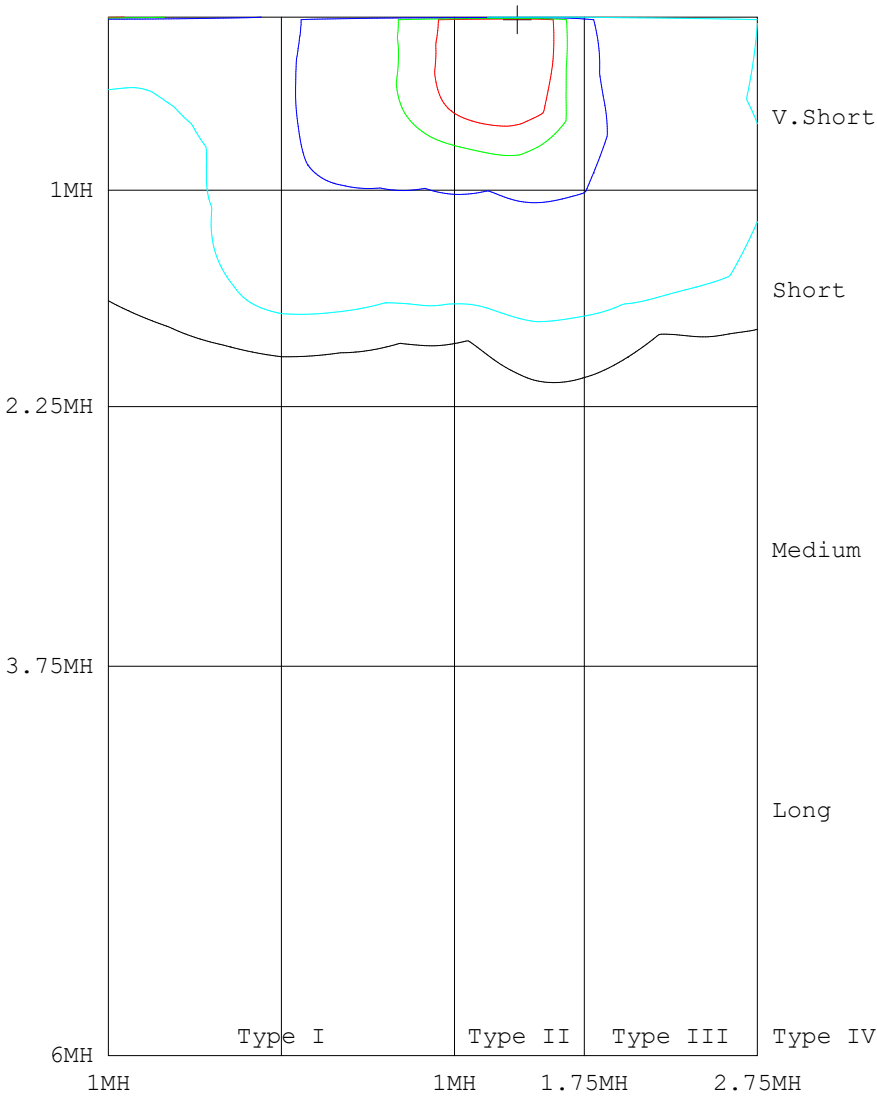
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:52064.8x1 lm		
NAME: SP04-400-5770-F04013	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:25.3℃
Operators:LYJ
Test Date:2023-03-03

Pavement 70% 50139
Road 30% 38814
C Range: 14025 - 180DEG
C Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4556]
Remarks: