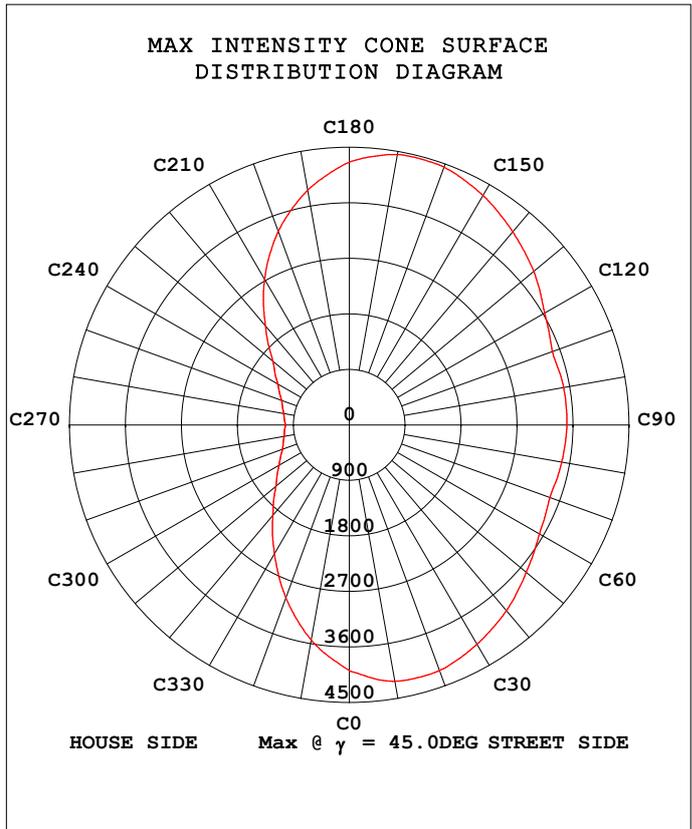
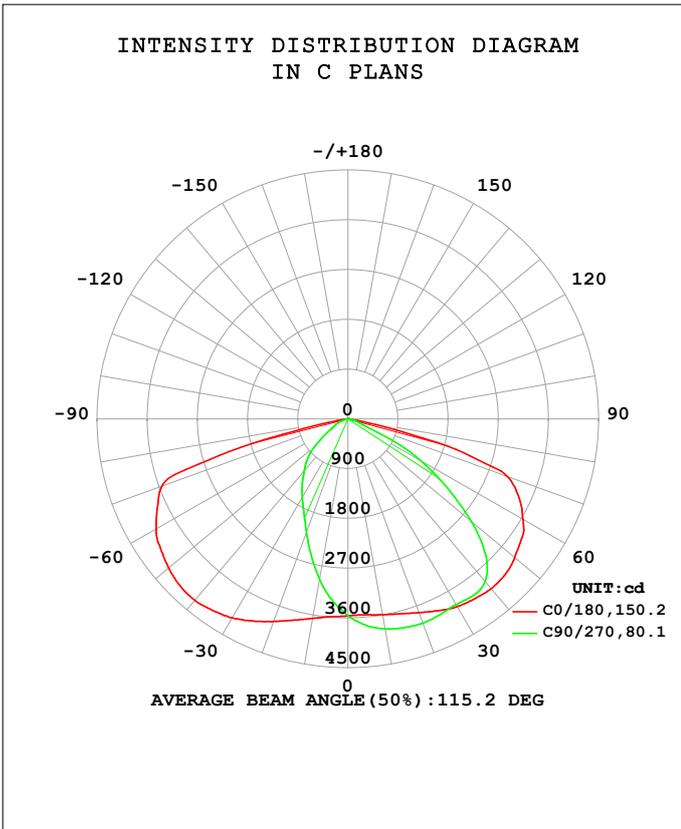


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.7V I:0.3997A P:90.6W PF:0.9869 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:11948.7x1 lm		
NAME: ST-90W-NW-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.86 lm/W			
MODEL	NI303	I _{max} (cd)	4462	η street_up (%)	0.0
NOMINAL POWER (W)	90	LOR (%)	100.0	η street_down (%)	64.9
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	11949	η house_up (%)	0.0
NOMINAL FLUX (lm)	11948.7	MAXIMUM @ (C, γ)	165,45.0	η house_down (%)	35.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



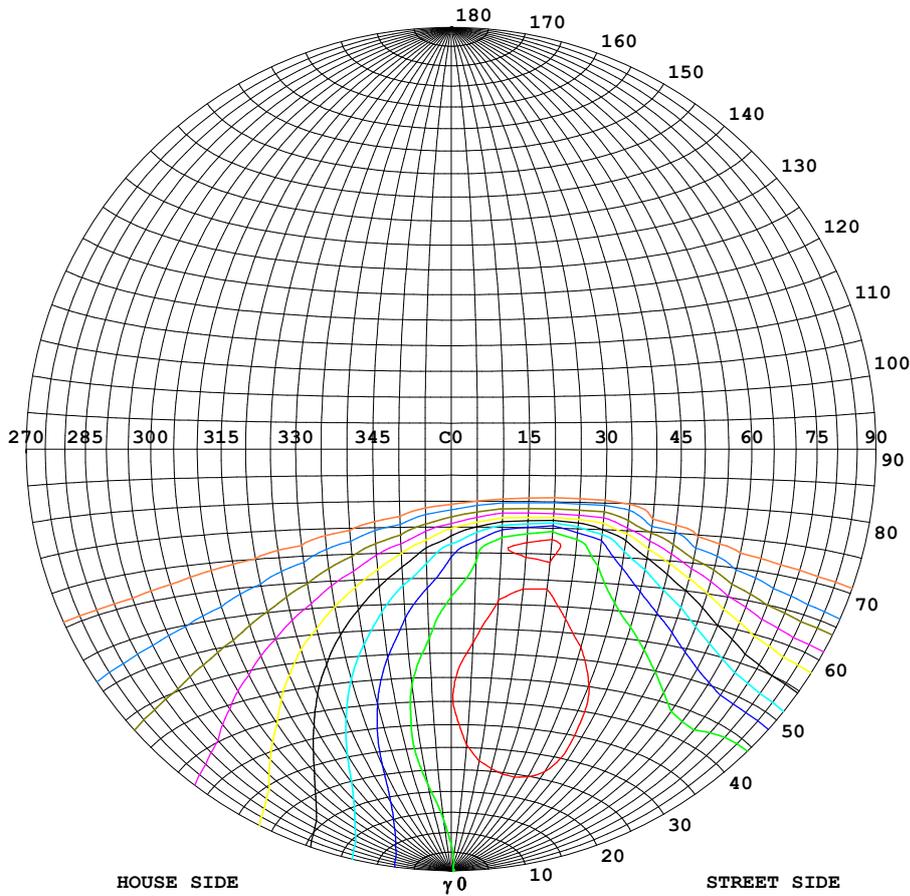
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LI
 Test Date: 2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type III - Very Short
 CIE:Average - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:70.71cd/klm
 Max.At90:0cd/klm
 Max.80-90:70.71cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4462
90%	4016
80%	3570
70%	3124
60%	2677
50%	2231
40%	1785
30%	1339
20%	892
10%	446
5%	223

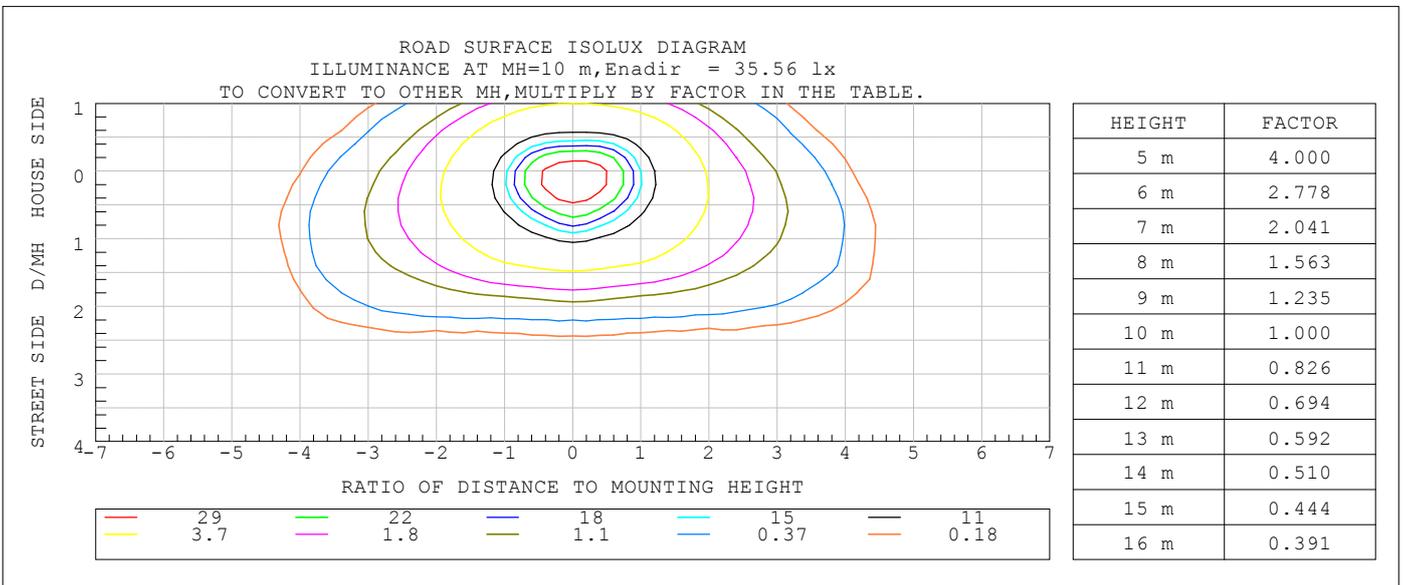
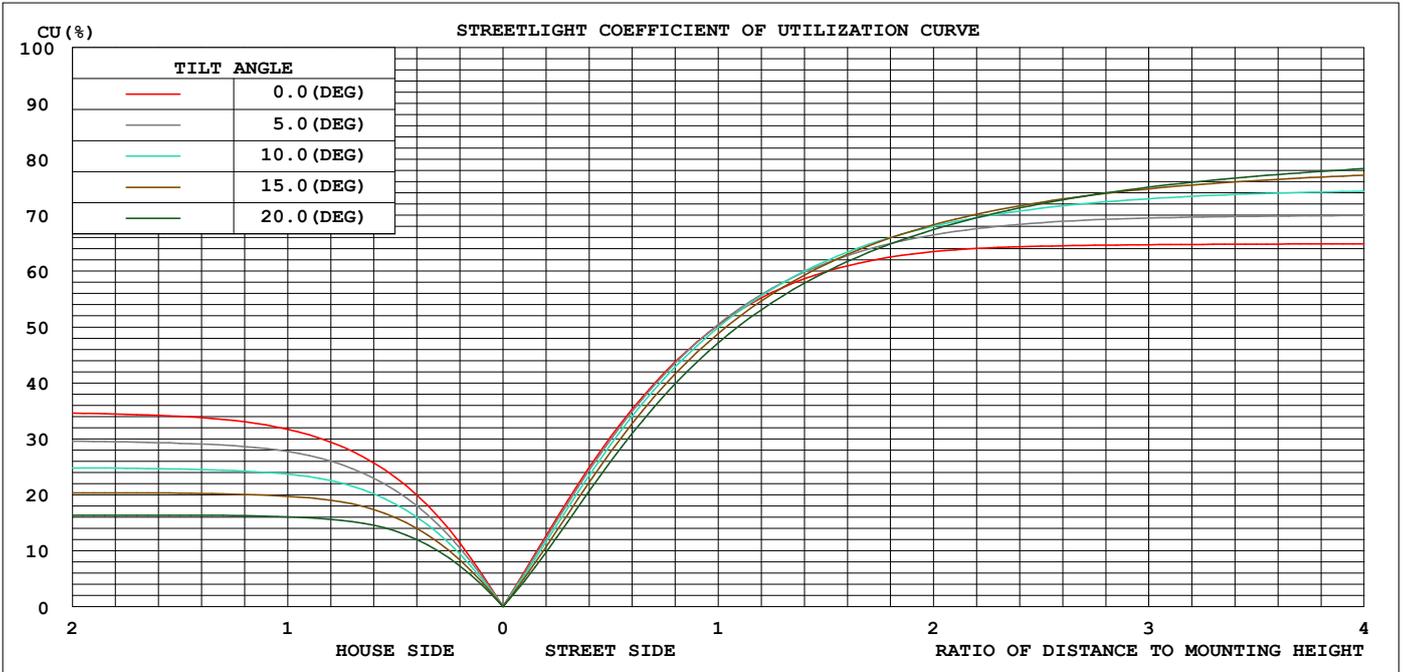
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LI
Test Date: 2025-07-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

Checker: LI

Assessor:

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	3594	3816	3856	3842	3663	3230	2946	3183	0- 10	337.7	337.7	2.83,2.83
20	3728	3948	3930	4019	3897	2857	2181	2733	10- 20	981.1	1319	11,11
30	3921	3953	3877	4075	4155	2478	1645	2331	20- 30	1552	2871	24,24
40	4004	3889	3833	4042	4279	2062	1221	1934	30- 40	2029	4899	41,41
50	3906	3707	2899	3856	4197	1613	777.1	1473	40- 50	2317	7217	60.4,60.4
60	3629	3156	1507	3231	3974	875.0	323.8	730.0	50- 60	2228	9445	79,79
70	3040	1667	239.5	1555	3554	227.8	136.2	208.0	60- 70	1722	11167	93.5,93.5
80	105.8	65.95	50.37	73.63	194.5	26.74	0.1304	18.38	70- 80	760.8	11928	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	21.04	11949	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		

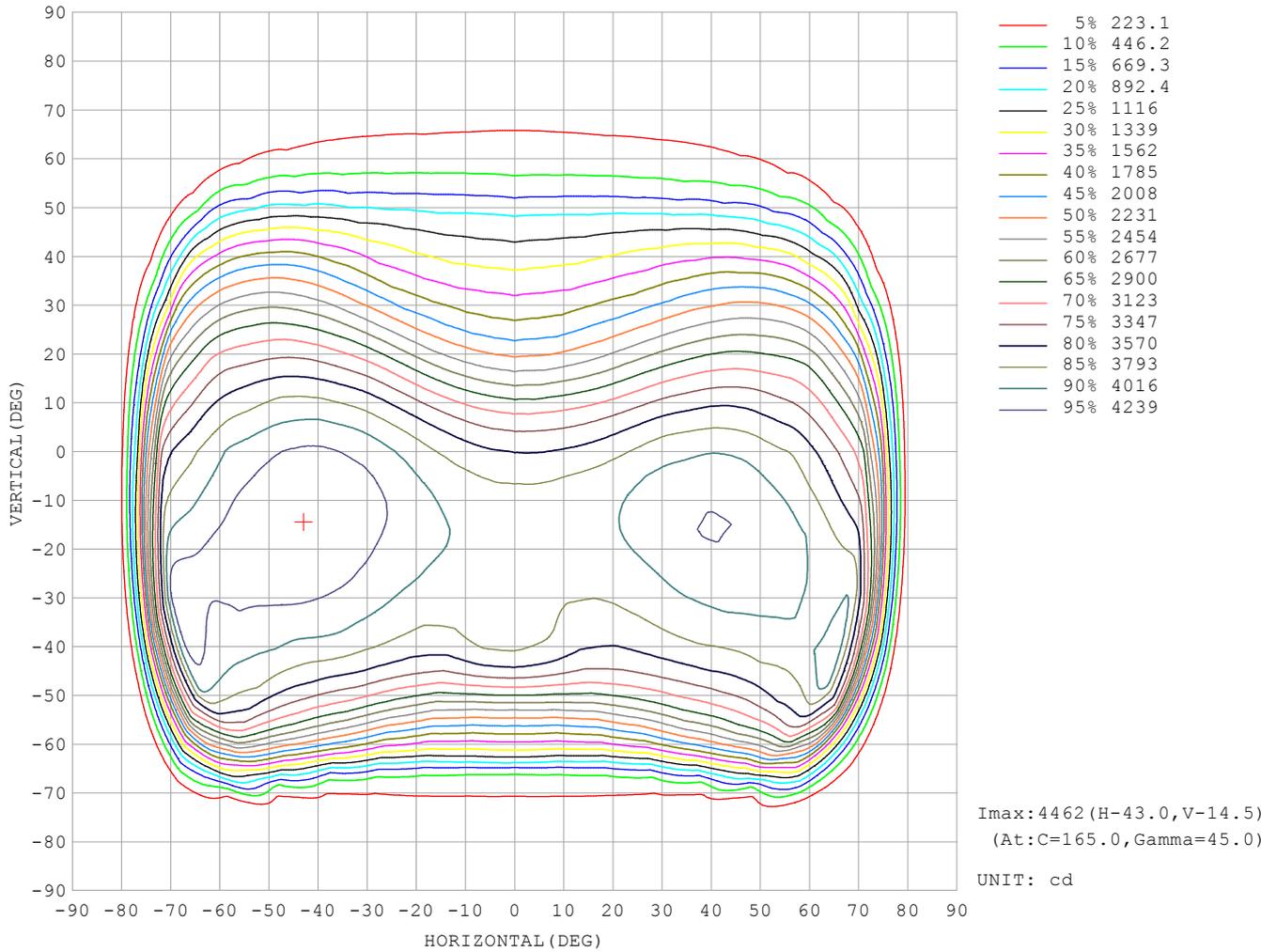
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor:

ISOCANDELA DIAGRAM



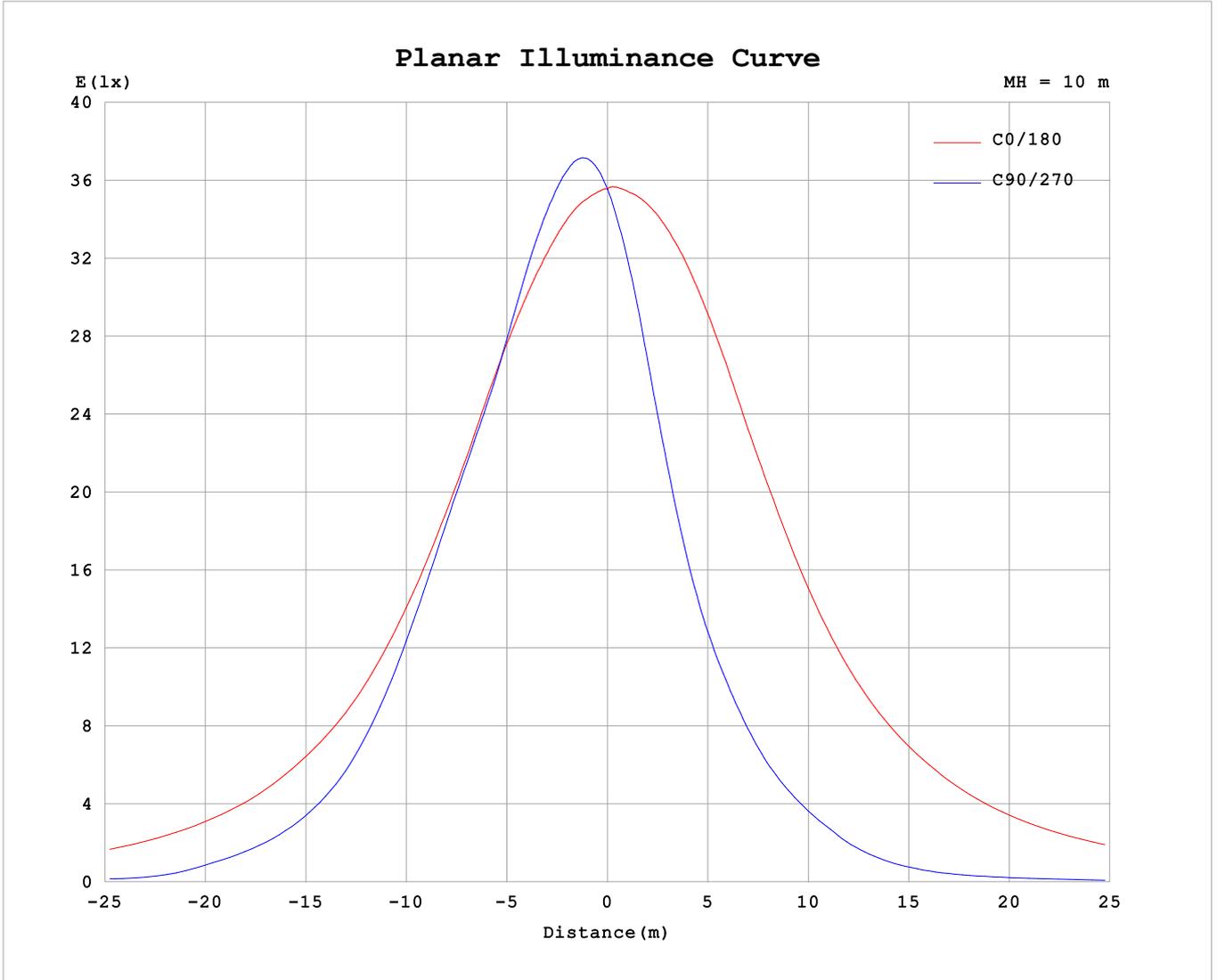
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LI
 Test Date: 2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LI
Test Date: 2025-07-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

Checker: LI

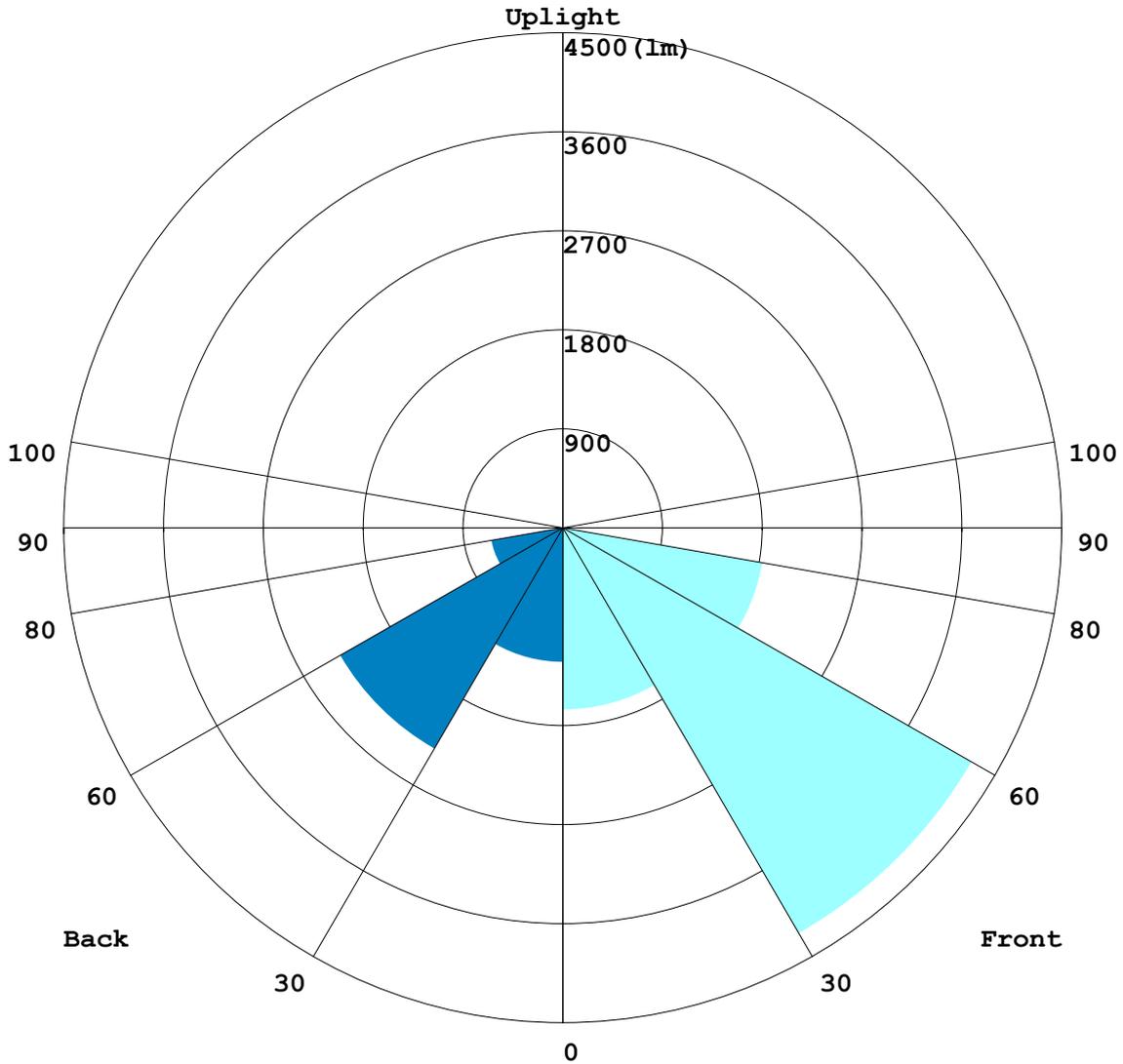
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:229.7V I:0.3997A P:90.6W PF:0.9869 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:11948.7x1 lm		
NAME: ST-90W-NW-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:229.7V I:0.3997A P:90.6W PF:0.9869 Freq:50.01Hz UTHDi:0.40% ITHDi:17.78% Lamp Flux:11948.7x1 lm		
NAME: ST-90W-NW-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1651.8	13.8
FM - Front-Medium(30-60)	4255.2	35.6
FH - Front-High(60-80)	1829.3	15.3
FVH - Front-Very High(80-90)	17.442	0.1
Total Forward Light	7753.8	64.9

BL - Back-Low(0-30)	1219	10.2
BM - Back-Medium(30-60)	2319.1	19.4
BH - Back-High(60-80)	653.23	5.5
BVH - Back-Very High(80-90)	3.6015	0.0
Total Back Light	4194.9	35.1

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4194.9	0	4194.9
Street Side	7753.8	0	7753.8

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

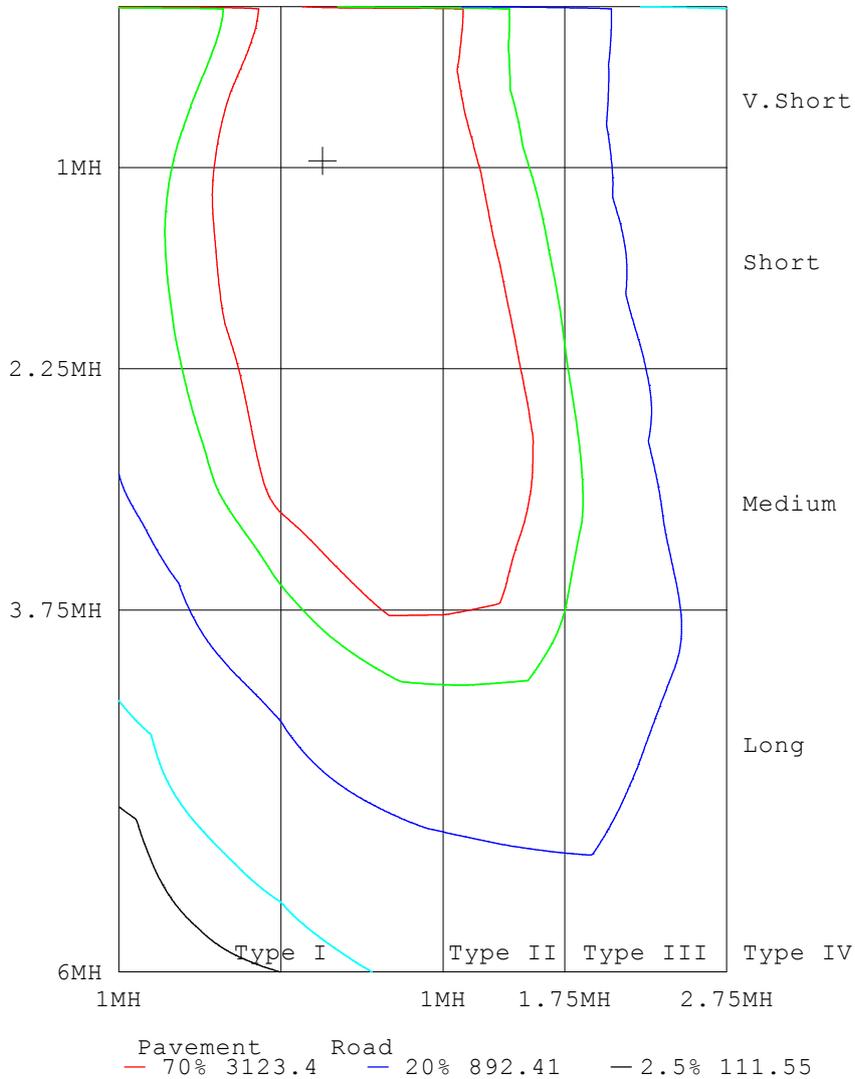
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.7V I:0.3997A P:90.6W PF:0.9869 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:11948.7x1 lm		
NAME: ST-90W-NW-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor: