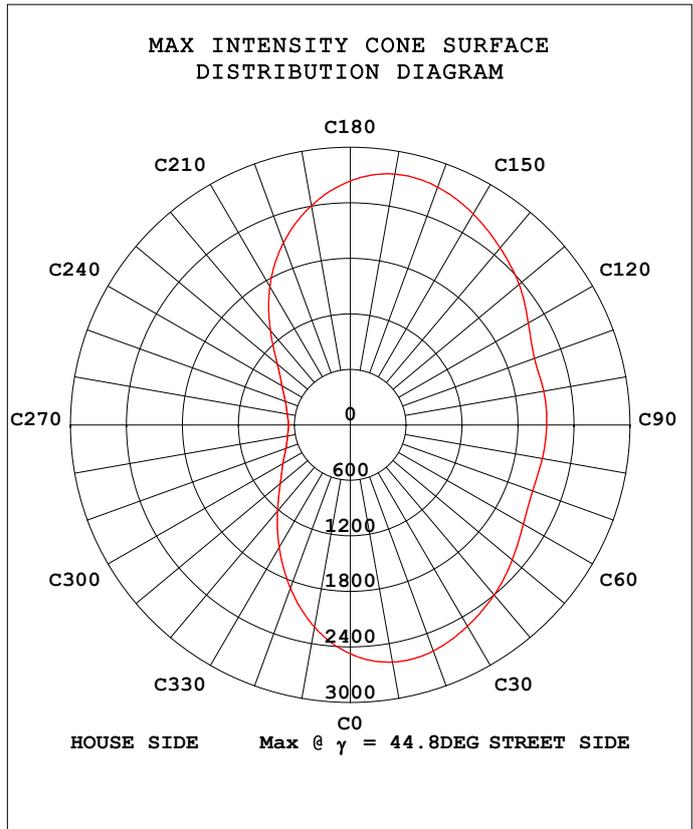
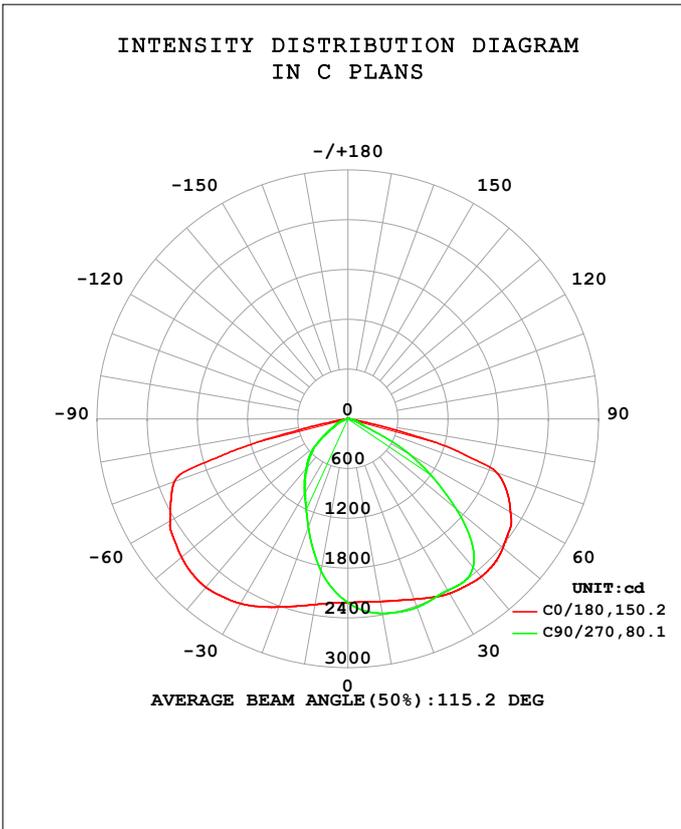


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.7V I:0.2343A P:52.0W PF:0.9666 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:7341.55x1 lm		
NAME: ST-50W-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	NI303	Imax (cd)	2753	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	63.7
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	7342	η house_up (%)	0.0
NOMINAL FLUX (lm)	7341.55	MAXIMUM @ (C, γ)	170,44.8	η house_down (%)	36.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



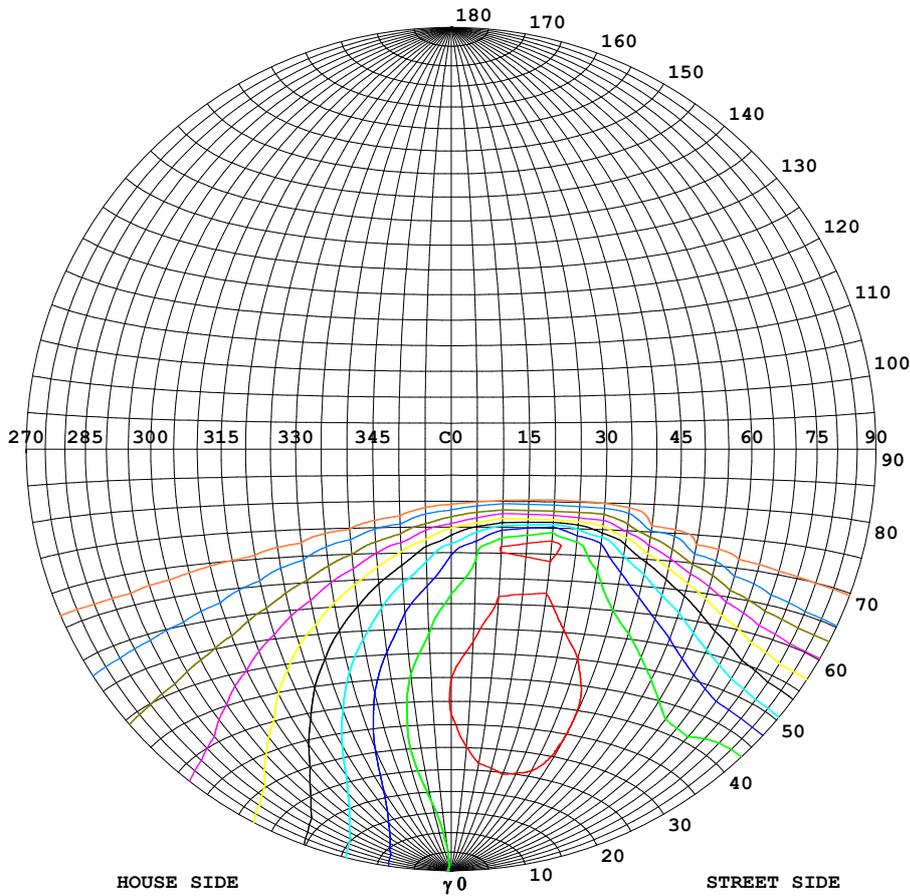
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LI
 Test Date: 2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 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. At 80: 61.27cd/klm
 Max. At 90: 0cd/klm
 Max. 80-90: 61.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2753
90%	2478
80%	2203
70%	1927
60%	1652
50%	1377
40%	1101
30%	826
20%	551
10%	275
5%	138

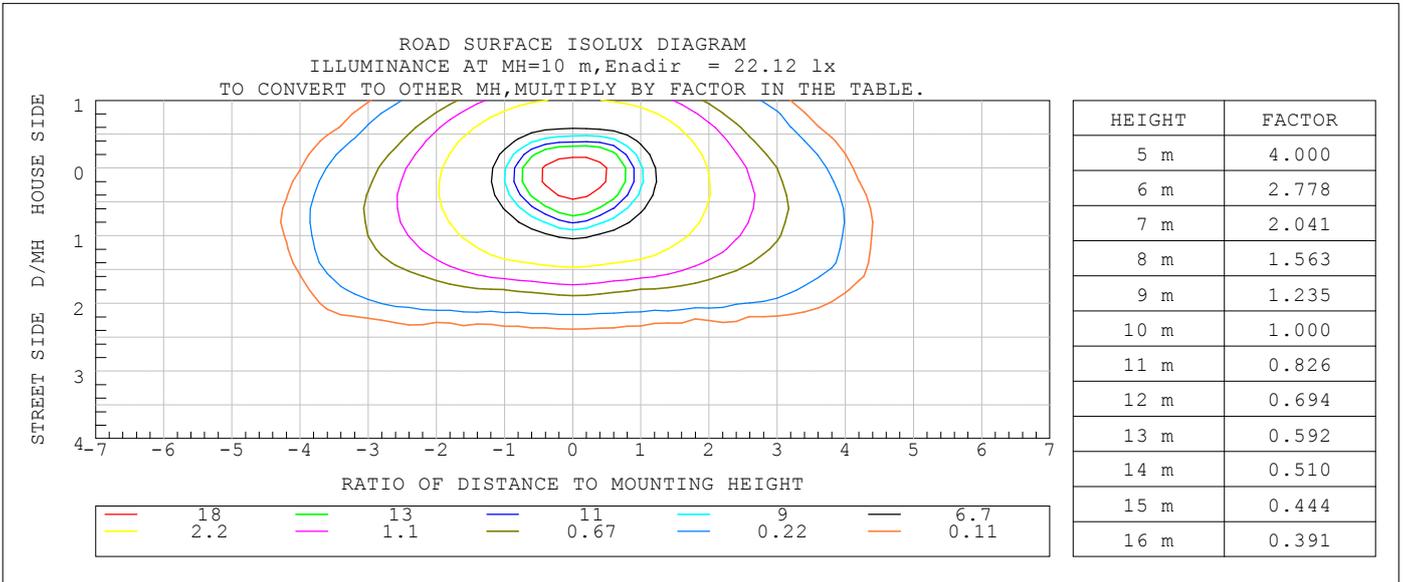
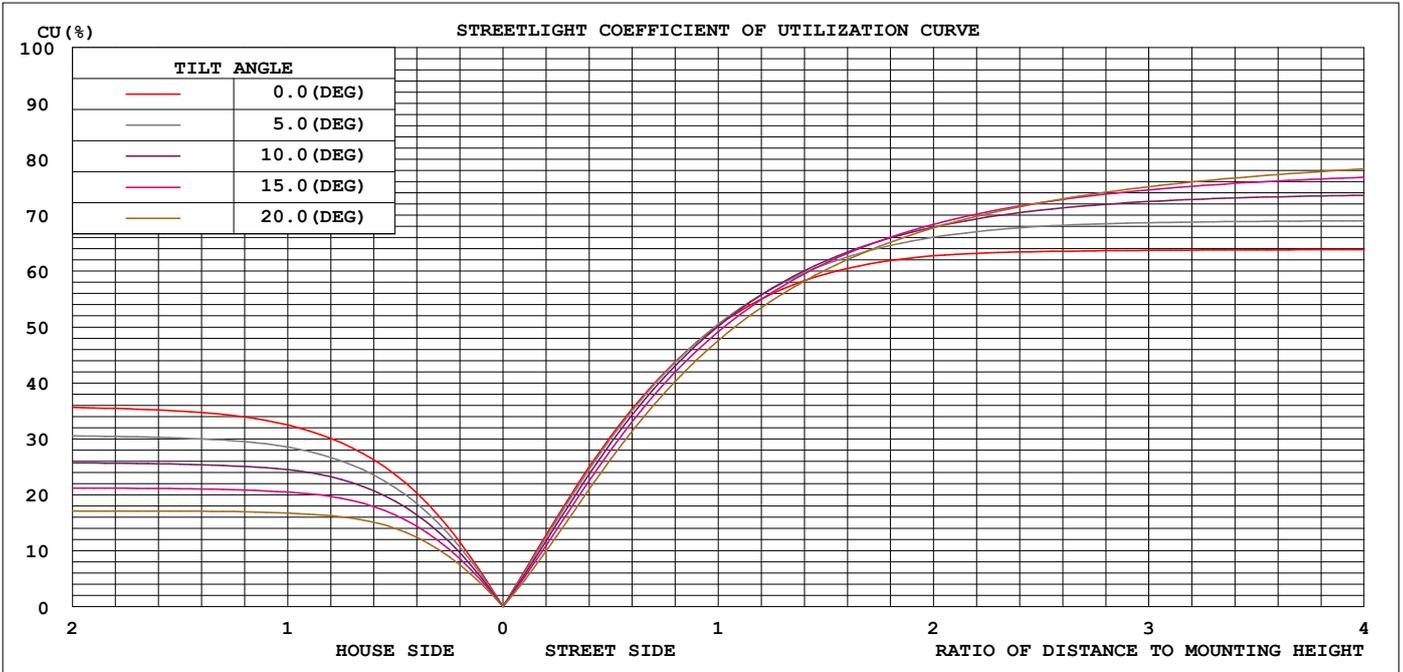
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LI
 Test Date: 2025-07-15

gamma Range: 0 - 90DEG
 gamma Interval: 0.1DEG
 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: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LI
Test Date: 2025-07-15

γ Range: 0 - 90DEG
γ Interval: 0.1DEG
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	2235	2354	2379	2374	2274	2023	1861	1995	0- 10	210.0	210.0	2.86,2.86
20	2314	2426	2417	2473	2414	1803	1388	1726	10- 20	609.8	819.8	11.2,11.2
30	2432	2417	2388	2499	2572	1569	1038	1475	20- 30	962.5	1782	24.3,24.3
40	2482	2376	2330	2472	2648	1311	775.2	1227	30- 40	1256	3038	41.4,41.4
50	2420	2250	1693	2343	2596	1031	518.9	943.8	40- 50	1428	4467	60.8,60.8
60	2248	1890	845.6	1929	2458	586.4	215.4	493.3	50- 60	1367	5834	79.5,79.5
70	1893	890.3	133.1	815.1	2208	153.9	95.53	138.6	60- 70	1045	6879	93.7,93.7
80	65.50	31.89	22.82	35.94	120.8	22.37	0.4362	16.06	70- 80	451.7	7331	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	10.70	7342	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		

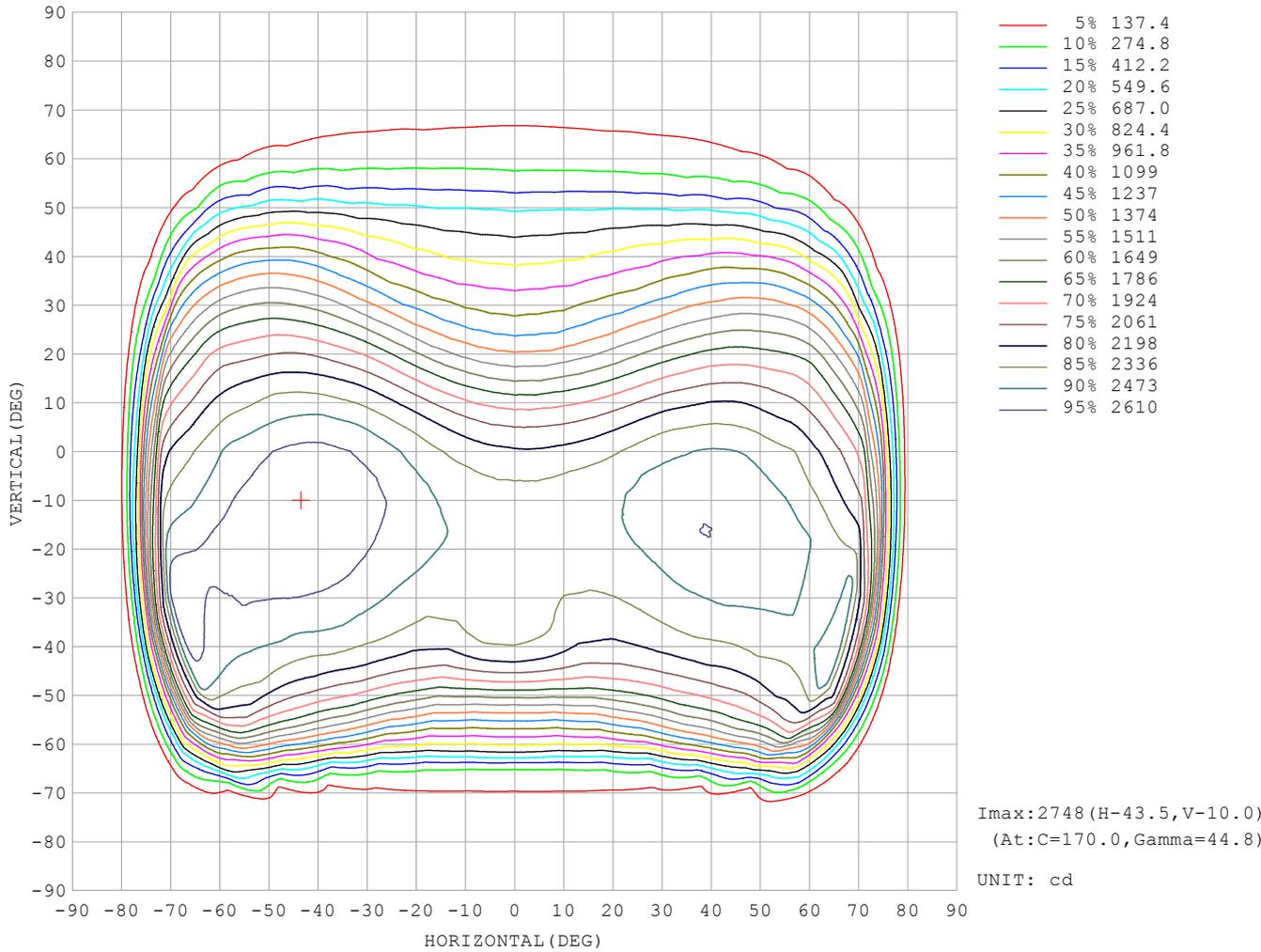
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 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



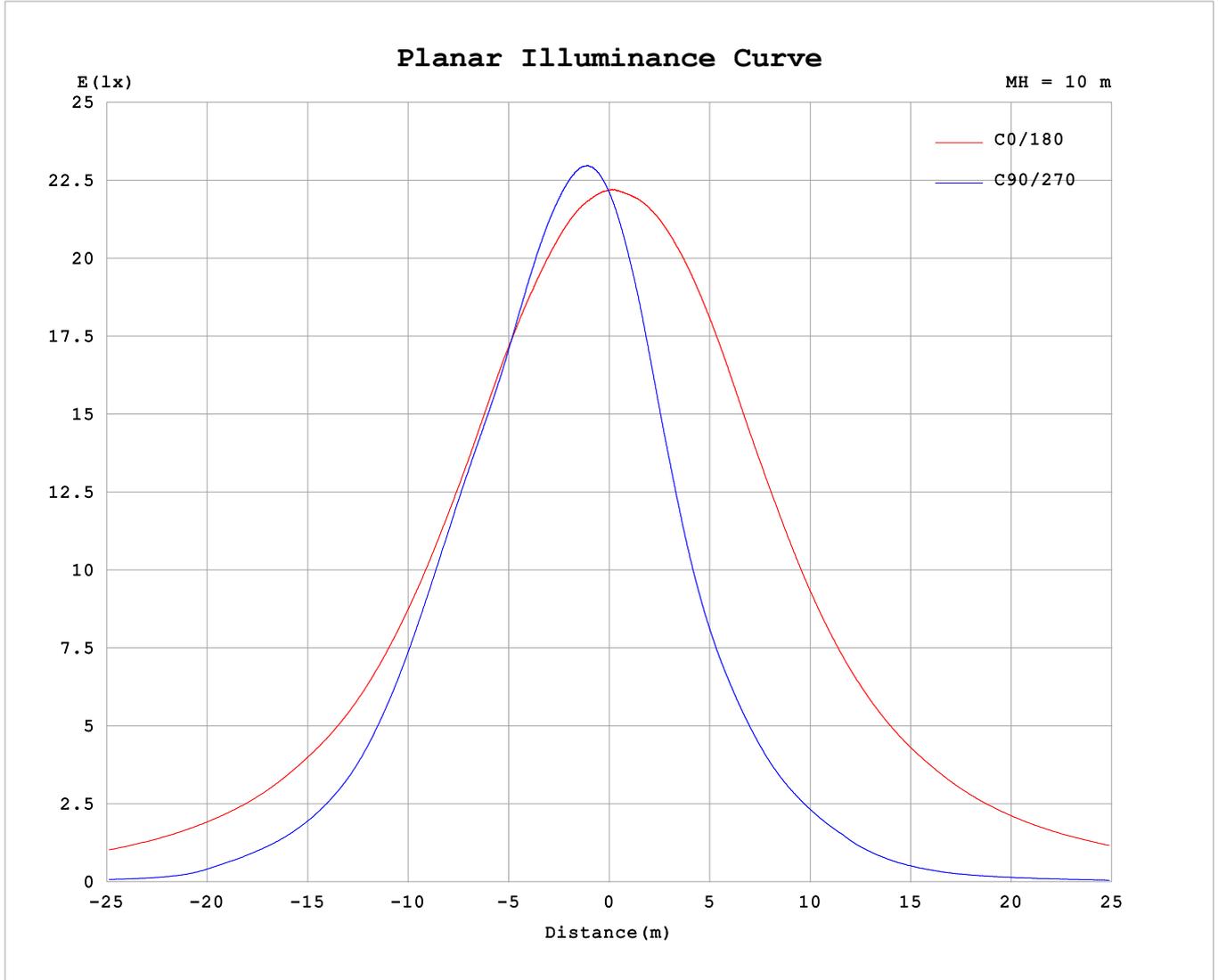
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 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: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LI
Test Date: 2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 26.000m [K=0.4589]
Remarks:

Checker: LI

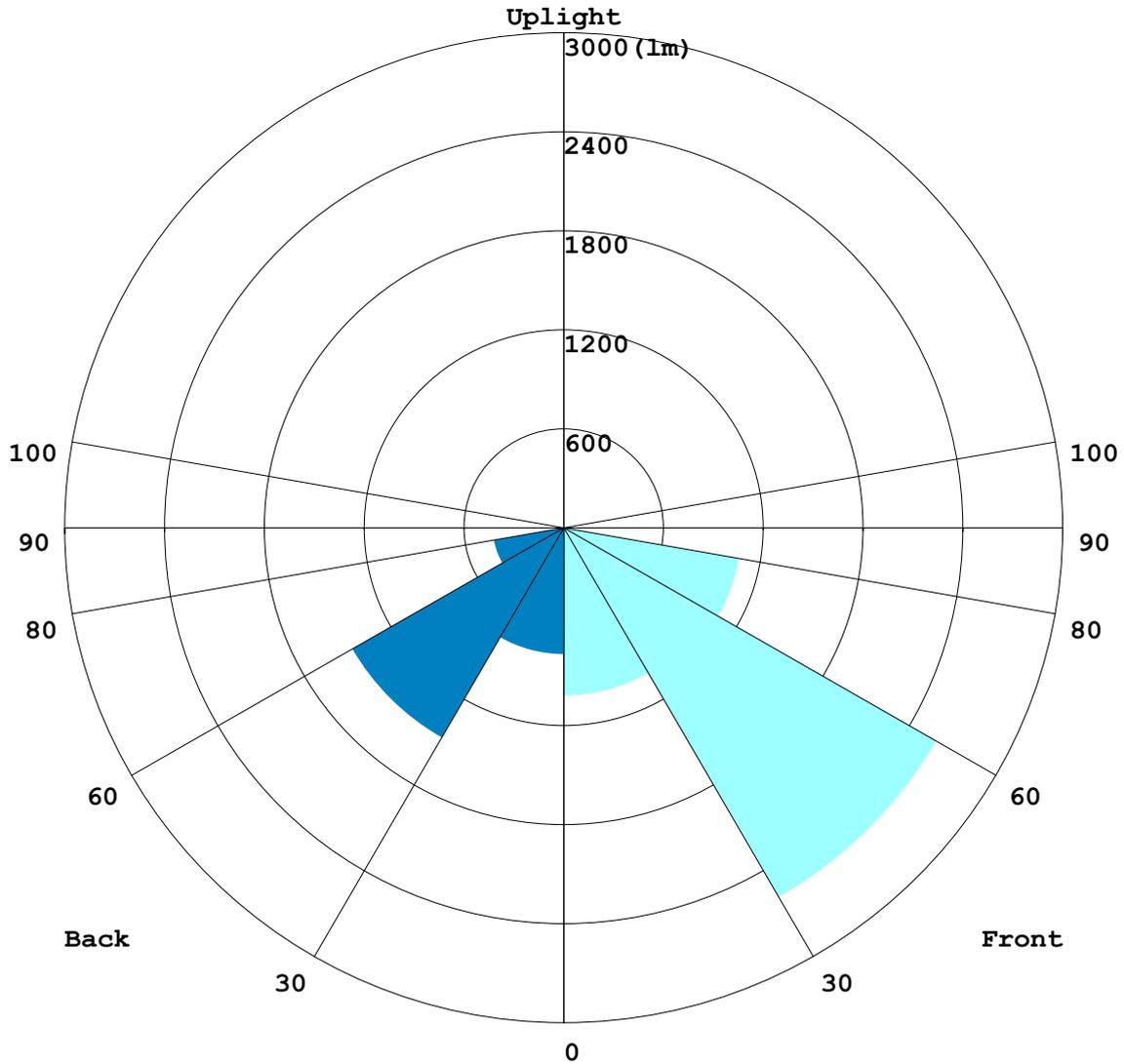
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:229.7V I:0.2343A P:52.0W PF:0.9666 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:7341.55x1 lm		
NAME: ST-50W-B	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°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 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:0.2343A P:52.0W PF:0.9666 Freq:50.01Hz UTHDi:0.40% ITHDi:17.78% Lamp Flux:7341.55x1 lm		
NAME: ST-50W-B	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1016.6	13.8
FM - Front-Medium(30-60)	2584.1	35.2
FH - Front-High(60-80)	1070.7	14.6
FVH - Front-Very High(80-90)	8.1187	0.1
Total Forward Light	4679.5	63.7

BL - Back-Low(0-30)	765.67	10.4
BM - Back-Medium(30-60)	1467.6	20.0
BH - Back-High(60-80)	426.13	5.8
BVH - Back-Very High(80-90)	2.5782	0.0
Total Back Light	2662	36.3

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2662	0	2662
Street Side	4679.5	0	4679.5

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

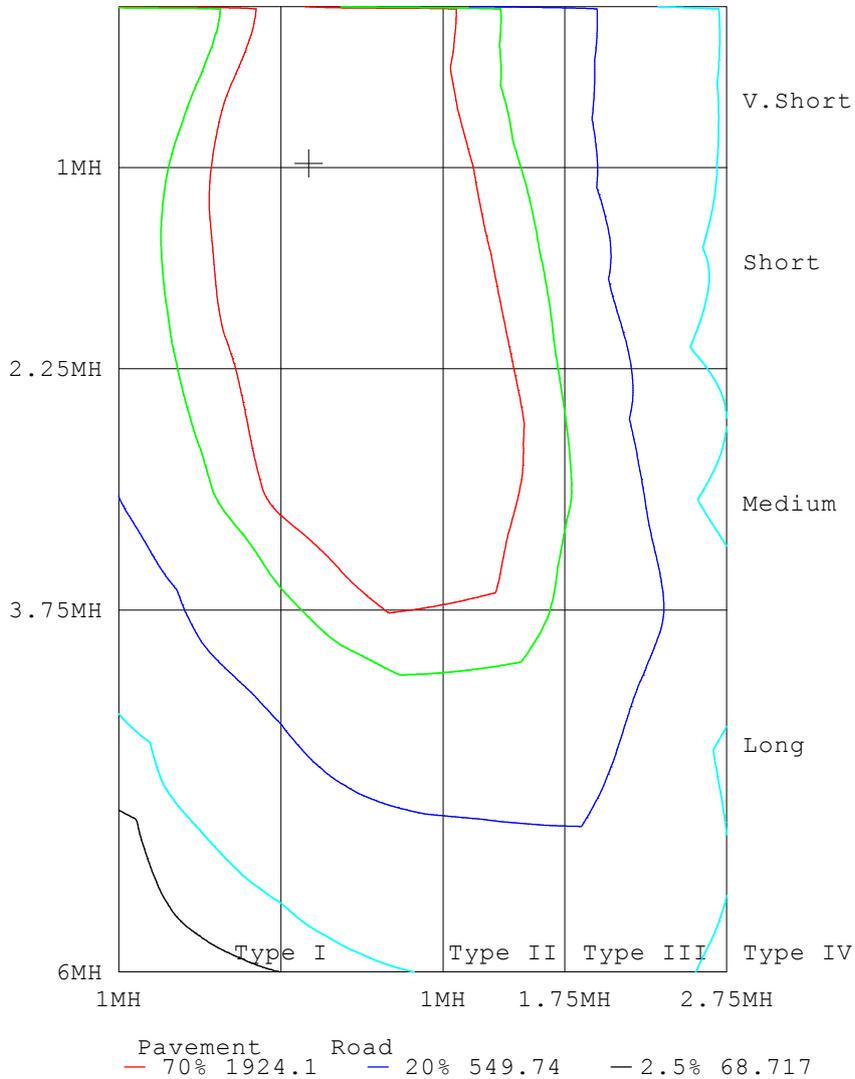
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:229.7V I:0.2343A P:52.0W PF:0.9666 Freq:50.01Hz		
UTHDi:0.40% ITHDi:17.78% Lamp Flux:7341.55x1 lm		
NAME: ST-50W-B	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°C
 Operators:LI
 Test Date:2025-07-15

γ Range: 0 - 90DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:26.000m [K=0.4589]
 Remarks:

Checker: LI

Assessor: