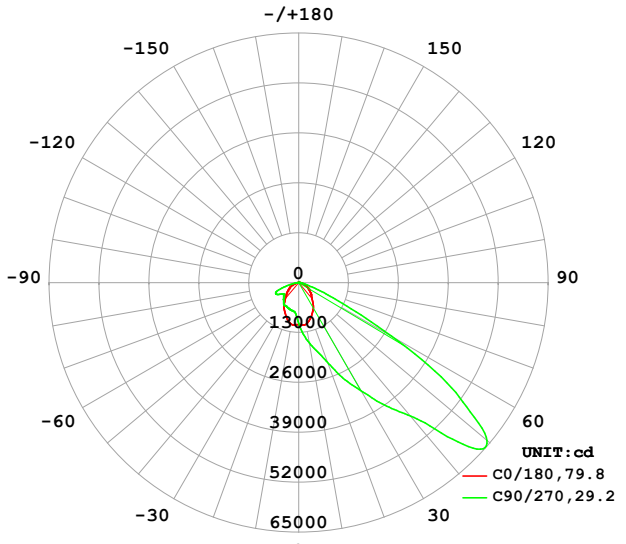
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40394.9x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

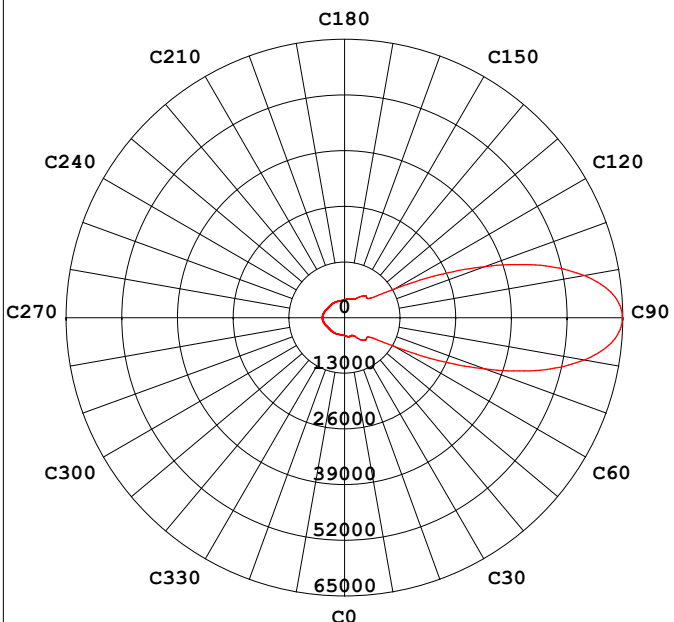
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 164.81 lm/W
MODEL	/	Imax(cd)	64849	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	40395	η house_up(%)	0.0
NOMINAL FLUX(lm)	40394.9	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):54.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

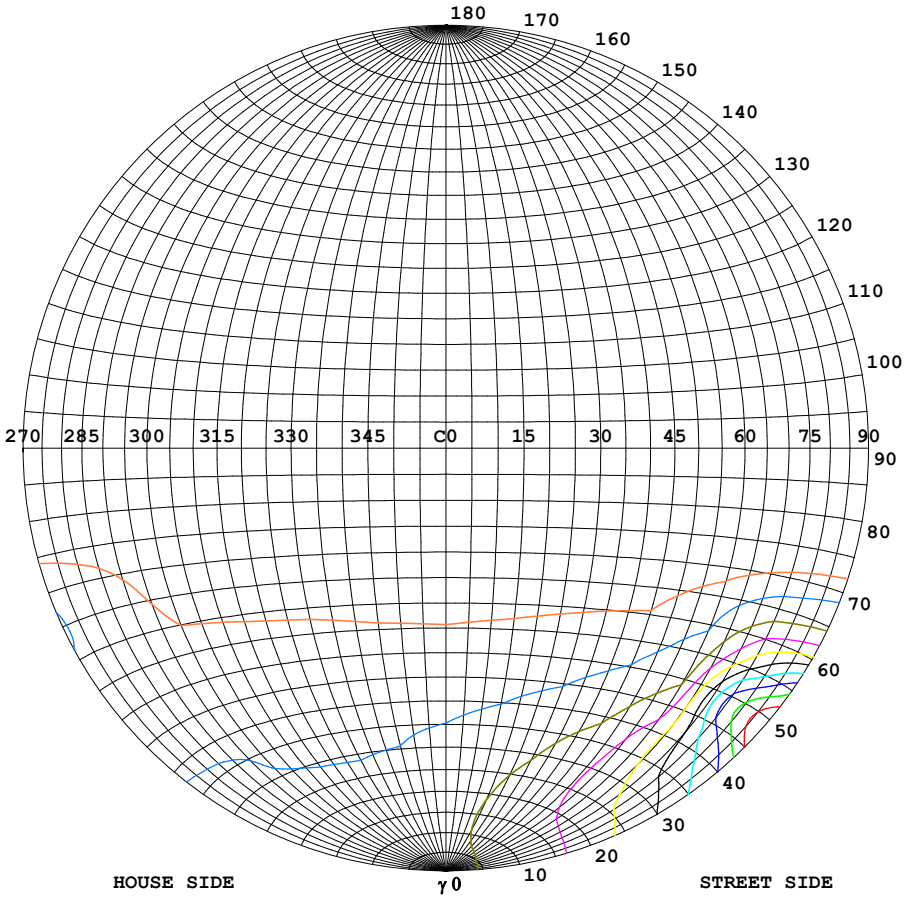


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

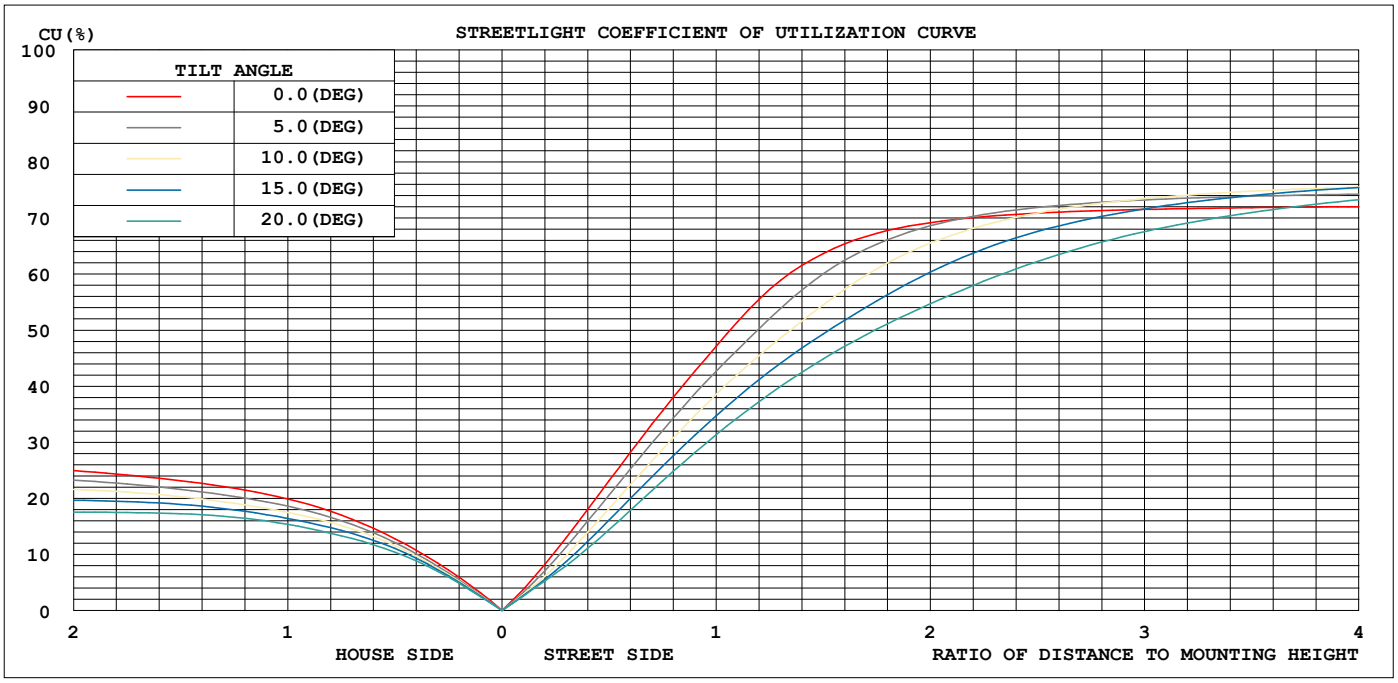
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

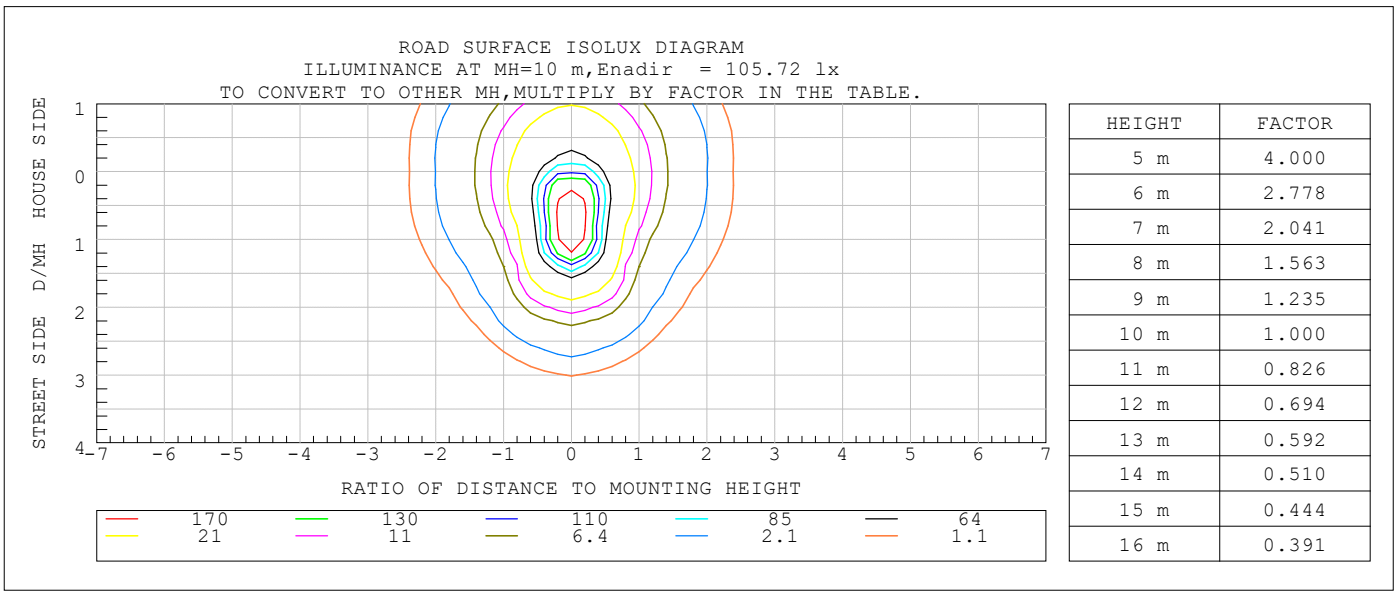
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	64849
90%	58364
80%	51880
70%	45395
60%	38910
50%	32425
40%	25940
30%	19455
20%	12970
10%	6485
5%	3242

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM





HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

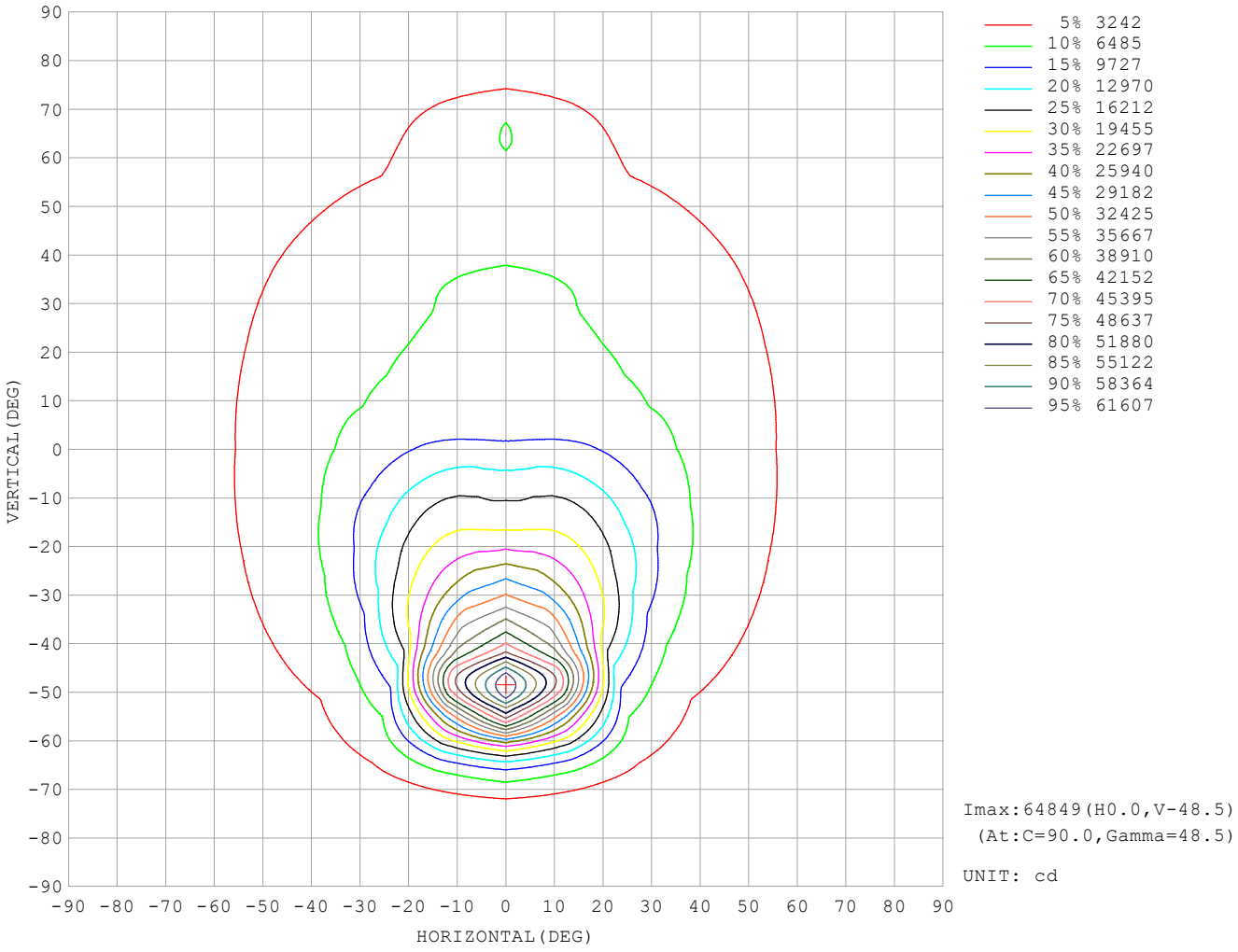
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1104	1491	1592	1491	1104	787.3	764.3	787.3	0- 10	1049	1049	2.6,2.6
20	953.0	1780	2214	1780	953.0	720.8	733.8	720.8	10- 20	3366	4416	10.9,10.9
30	769.5	1692	3253	1692	769.5	639.4	701.8	639.4	20- 30	5774	10190	25.2,25.2
40	545.8	1203	4540	1203	545.8	547.7	621.0	547.7	30- 40	7777	17967	44.5,44.5
50	404.6	664.7	6403	664.7	404.6	422.4	511.6	422.4	40- 50	9097	27064	67,67
60	275.7	336.4	2792	336.4	275.7	309.0	622.6	309.0	50- 60	7625	34689	85.9,85.9
70	157.2	186.8	491.4	186.8	157.2	172.4	554.0	172.4	60- 70	3901	38590	95.5,95.5
80	50.33	57.30	76.40	57.30	50.33	49.54	93.82	49.54	70- 80	1520	40110	99.3,99.3
90	0.9909	0.2560	0.3690	0.2560	0.9909	2.212	5.972	2.212	80- 90	284.4	40395	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: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

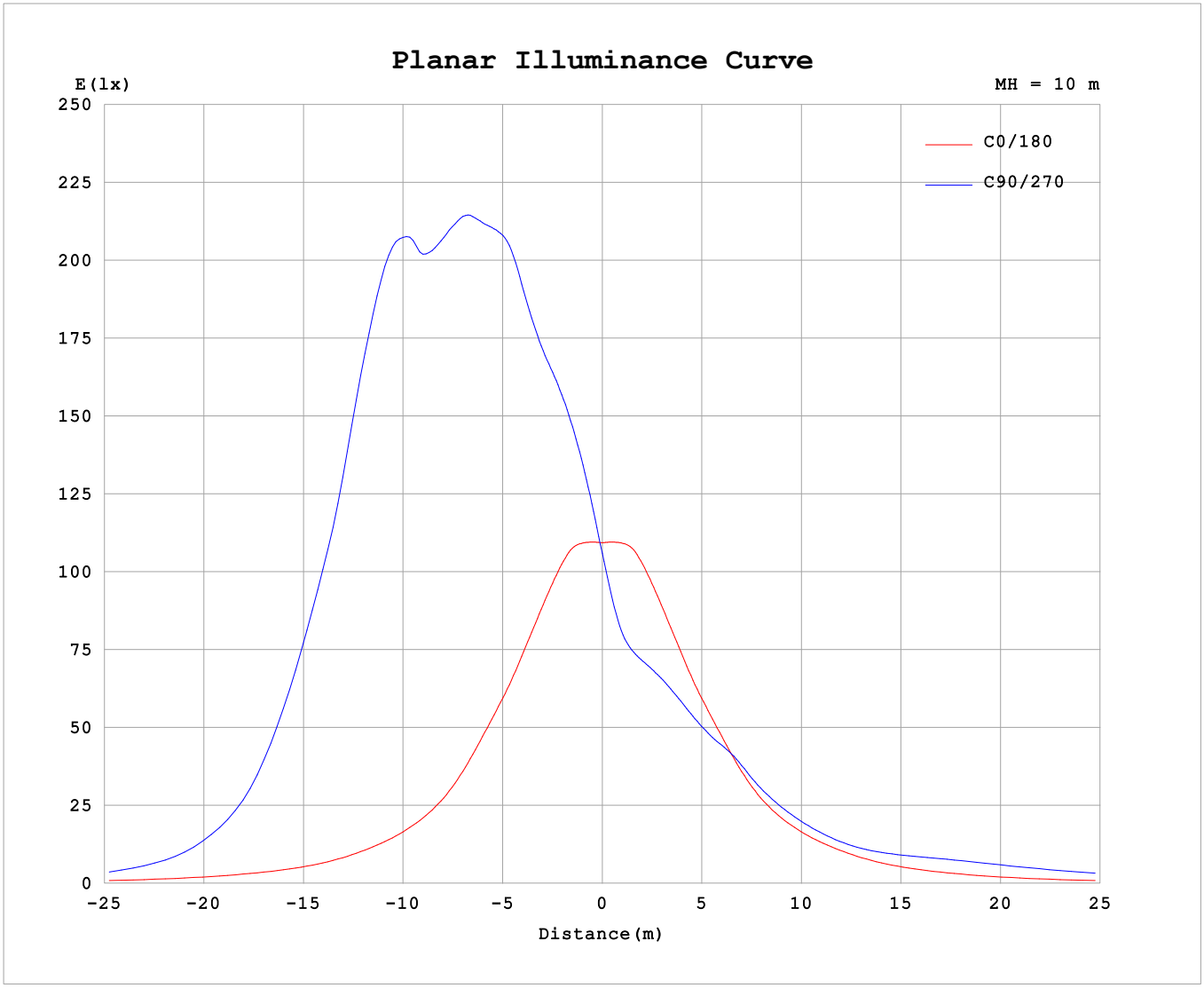
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



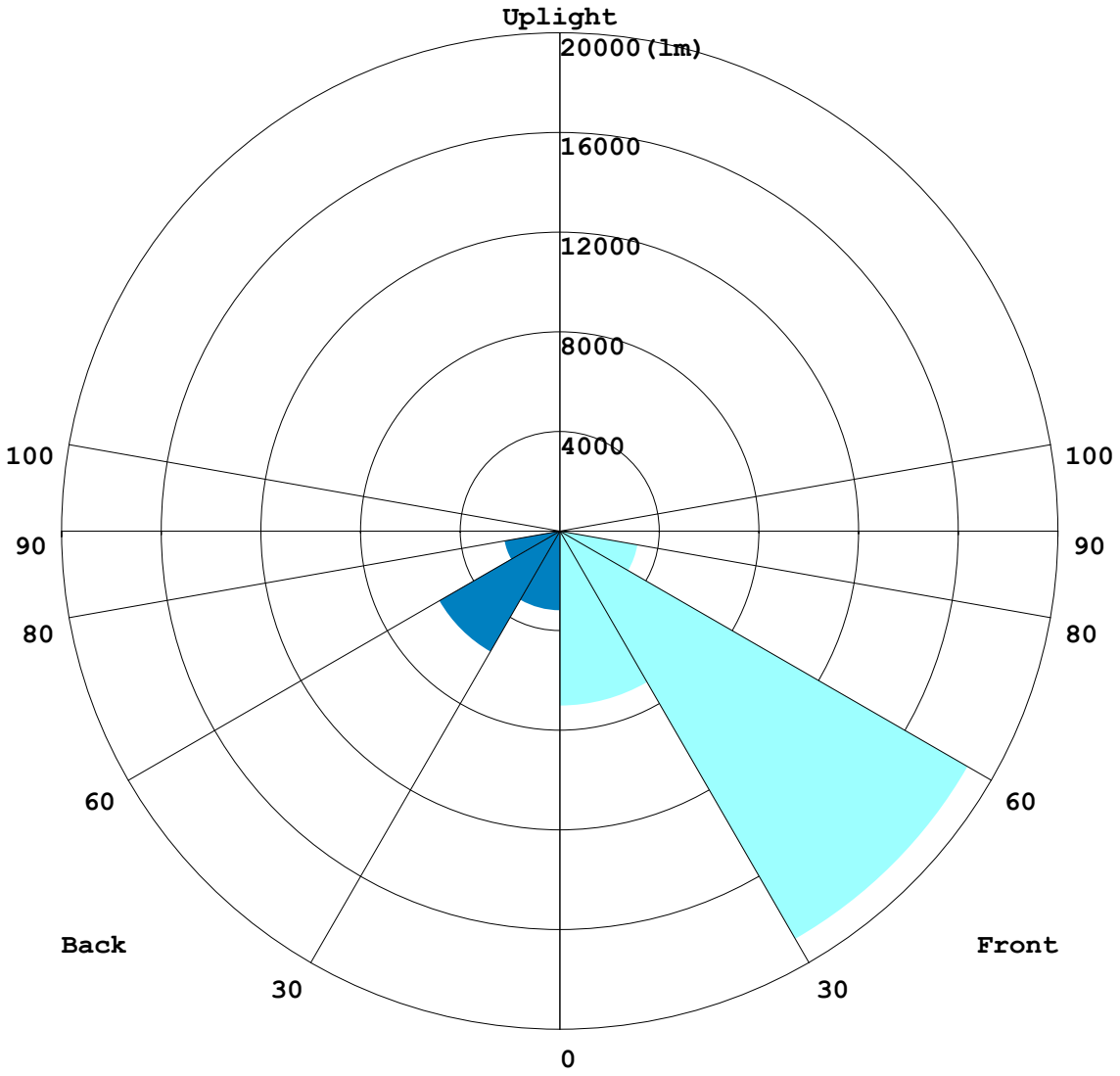
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LCS REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40394.9x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

BUG REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40394.9x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7001.1	17.3
FM - Front-Medium(30-60)	18910	46.8
FH - Front-High(60-80)	3171.1	7.9
FVH - Front-Very High(80-90)	177.8	0.4
Total Forward Light	29260	72.4
BL - Back-Low(0-30)	3188.7	7.9
BM - Back-Medium(30-60)	5590	13.8
BH - Back-High(60-80)	2249.9	5.6
BVH - Back-Very High(80-90)	106.63	0.3
Total Back Light	11135	27.6
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	B4-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11135	0	11135
Street Side	29260	0	29260

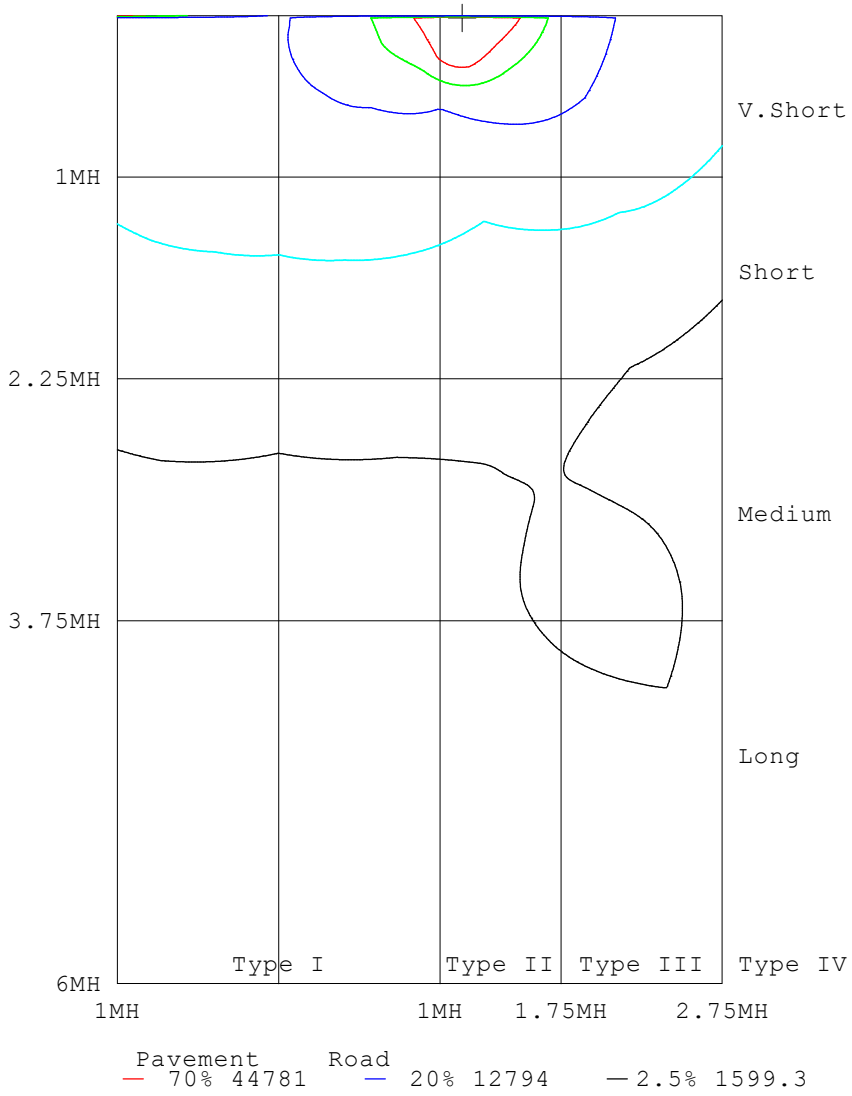
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40394.9x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: X10cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1094	1058	1060	1053	1060	1053	1060	1053	1060	1053	1060	1058	1094	1058	1060	1053	1060	1053	1060
5	1106	1143	1214	1262	1306	1320	1335	1320	1306	1262	1214	1143	1106	1001	942	888	860	836	836
10	1104	1227	1384	1491	1558	1574	1592	1574	1558	1491	1384	1227	1104	934	841	787	770	763	764
15	1040	1235	1485	1672	1789	1829	1850	1829	1789	1672	1485	1235	1040	851	776	750	746	748	751
20	953	1166	1490	1780	1981	2133	2214	2133	1981	1780	1490	1166	953	787	733	721	727	730	734
25	857	1062	1400	1786	2142	2540	2750	2540	2142	1786	1400	1062	857	720	684	686	695	704	710
30	770	952	1253	1692	2252	2908	3253	2908	2252	1692	1253	952	770	656	634	639	658	683	702
35	654	798	1057	1501	2256	3351	3895	3351	2256	1501	1057	798	654	587	584	591	633	673	690
40	546	639	808	1203	2092	3724	4540	3724	2092	1203	808	639	546	514	525	548	579	597	621
45	469	533	629	884	1672	4351	5864	4351	1672	884	629	533	469	452	468	496	498	542	564
50	405	426	464	665	1198	4613	6403	4613	1198	665	464	426	405	397	414	422	444	488	512
55	332	350	380	441	861	3187	4997	3187	861	441	380	350	332	341	358	364	386	442	515
60	276	289	313	336	592	1960	2792	1960	592	336	313	289	276	282	294	309	322	442	623
65	216	231	242	254	401	921	1156	921	401	254	242	231	216	237	235	244	255	438	667
70	157	167	183	187	242	378	491	378	242	187	183	167	157	169	173	172	186	365	554
75	106	128	183	116	126	153	195	153	126	116	183	128	106	105	107	107	114	208	279
80	50.3	73.8	113	57.3	59.7	55.1	76.4	55.1	59.7	57.3	113	73.8	50.3	50.1	50.4	49.5	53.7	76.5	93.8
85	16.8	45.9	84.2	18.8	14.7	14.4	17.7	14.4	14.7	18.8	84.2	45.9	16.8	12.6	13.0	12.0	12.8	16.0	18.0
90	0.99	0.23	0.25	0.26	0.30	0.35	0.37	0.35	0.30	0.26	0.25	0.23	0.99	1.84	1.95	2.21	3.19	4.93	5.97

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: X10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	1053	1060	1053	1060	1058														
5	836	860	888	942	1001														
10	763	770	787	841	934														
15	748	746	750	776	851														
20	730	727	721	733	787														
25	704	695	686	684	720														
30	683	658	639	634	656														
35	673	633	591	584	587														
40	597	579	548	525	514														
45	542	498	496	468	452														
50	488	444	422	414	397														
55	442	386	364	358	341														
60	442	322	309	294	282														
65	438	255	244	235	237														
70	365	186	172	173	169														
75	208	114	107	107	105														
80	76.5	53.7	49.5	50.4	50.1														
85	16.0	12.8	12.0	13.0	12.6														
90	4.93	3.19	2.21	1.95	1.84														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks: