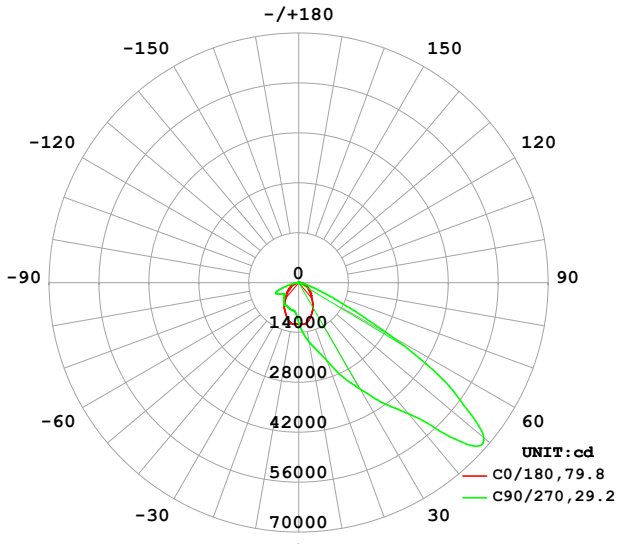
STREETLIGHT PHOTOMETRIC TEST REPORT

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:42730.6x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

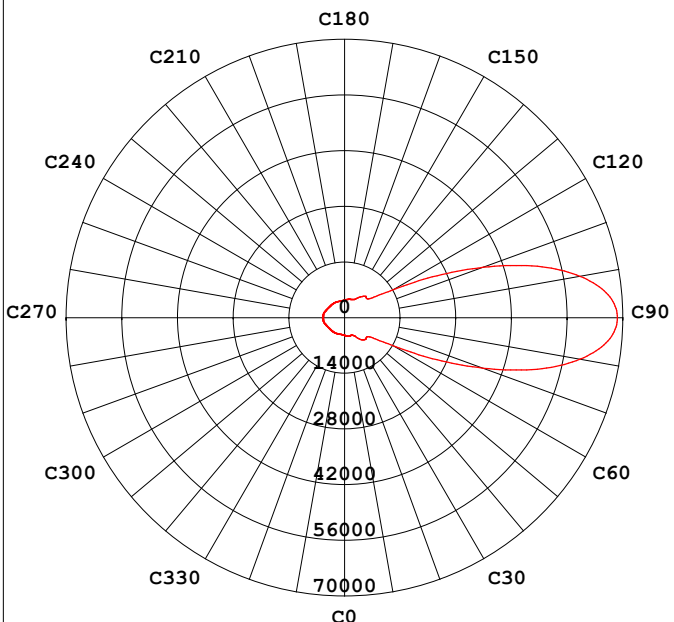
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 174.34 lm/W	
MODEL	/	Imax(cd)	68599	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	42731	η house_up(%)	0.0
NOMINAL FLUX(lm)	42730.6	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

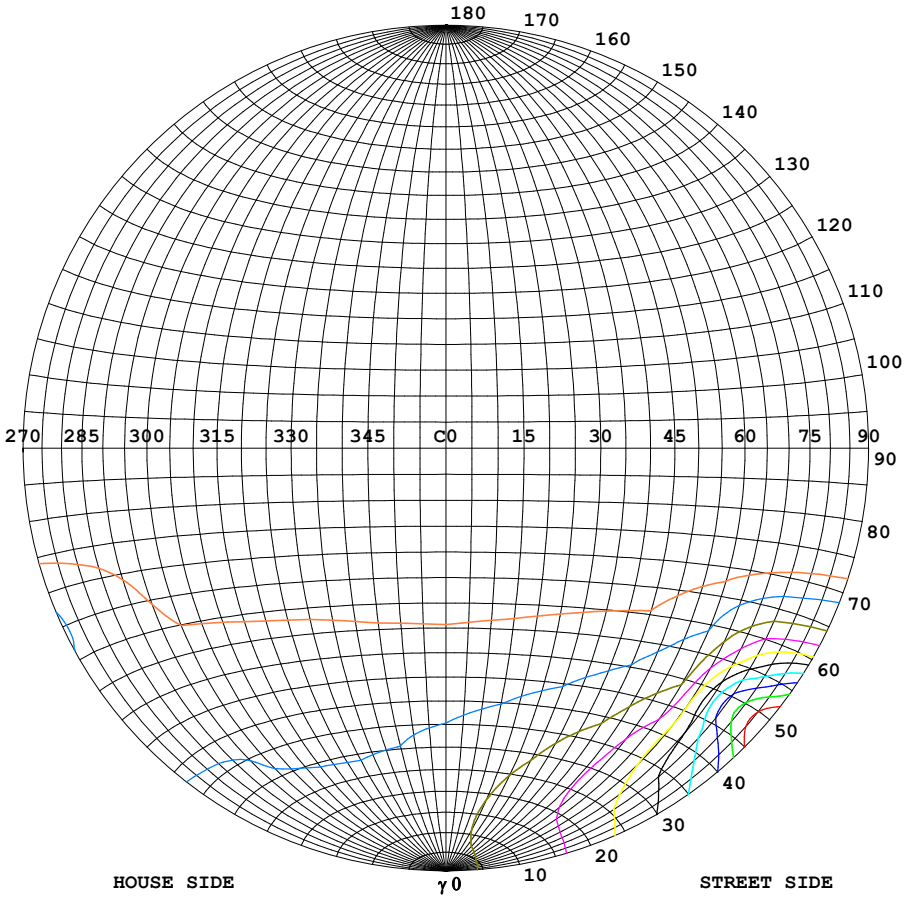


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

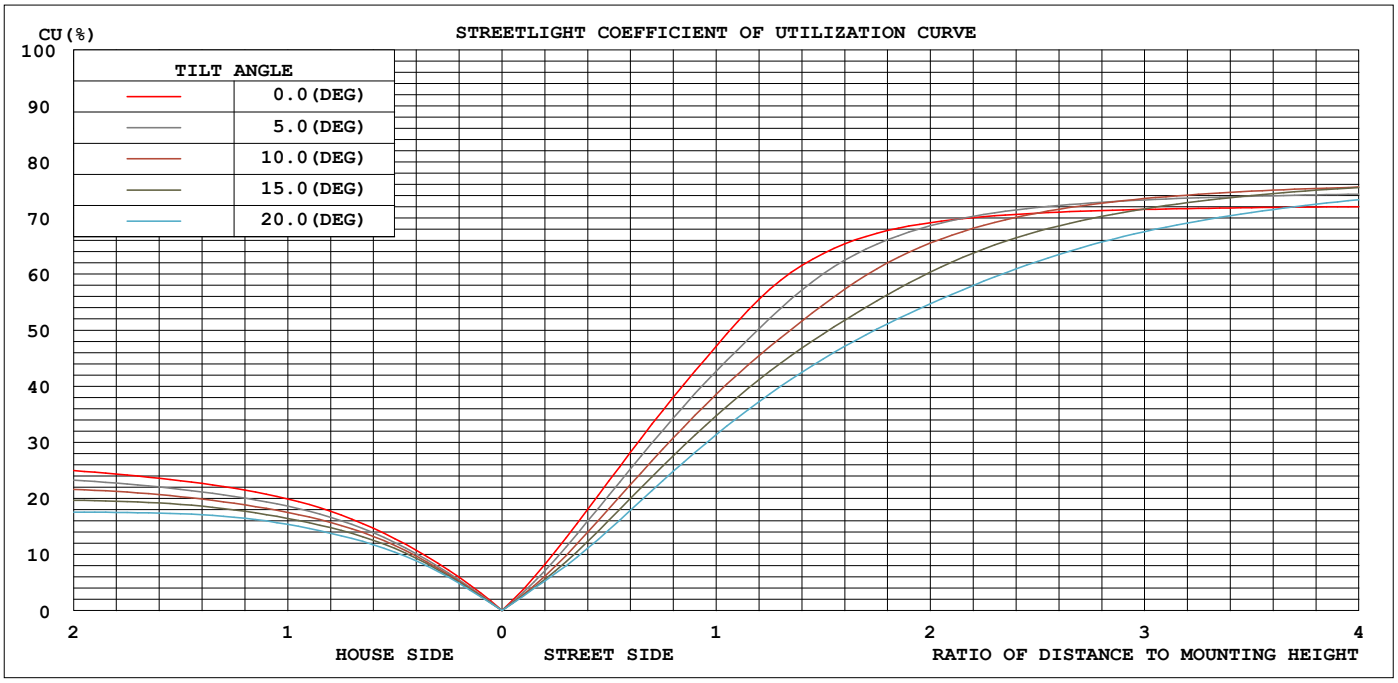
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

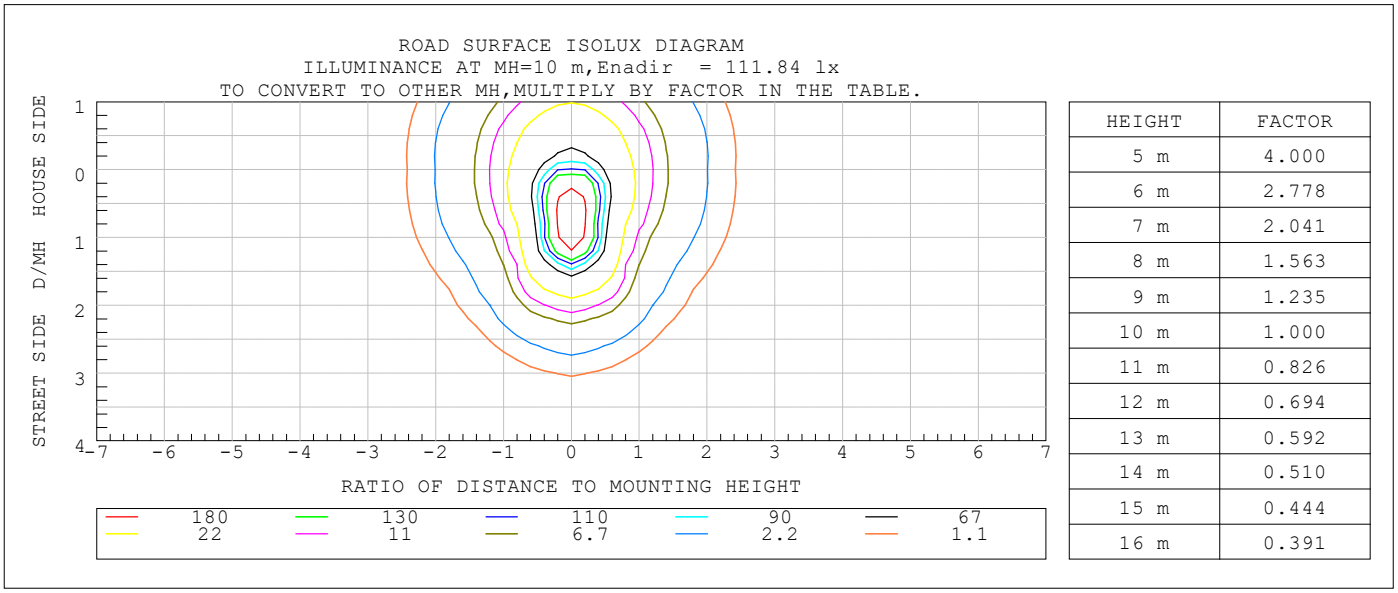
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	68599
90%	61739
80%	54879
70%	48019
60%	41159
50%	34300
40%	27440
30%	20580
20%	13720
10%	6860
5%	3430

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:

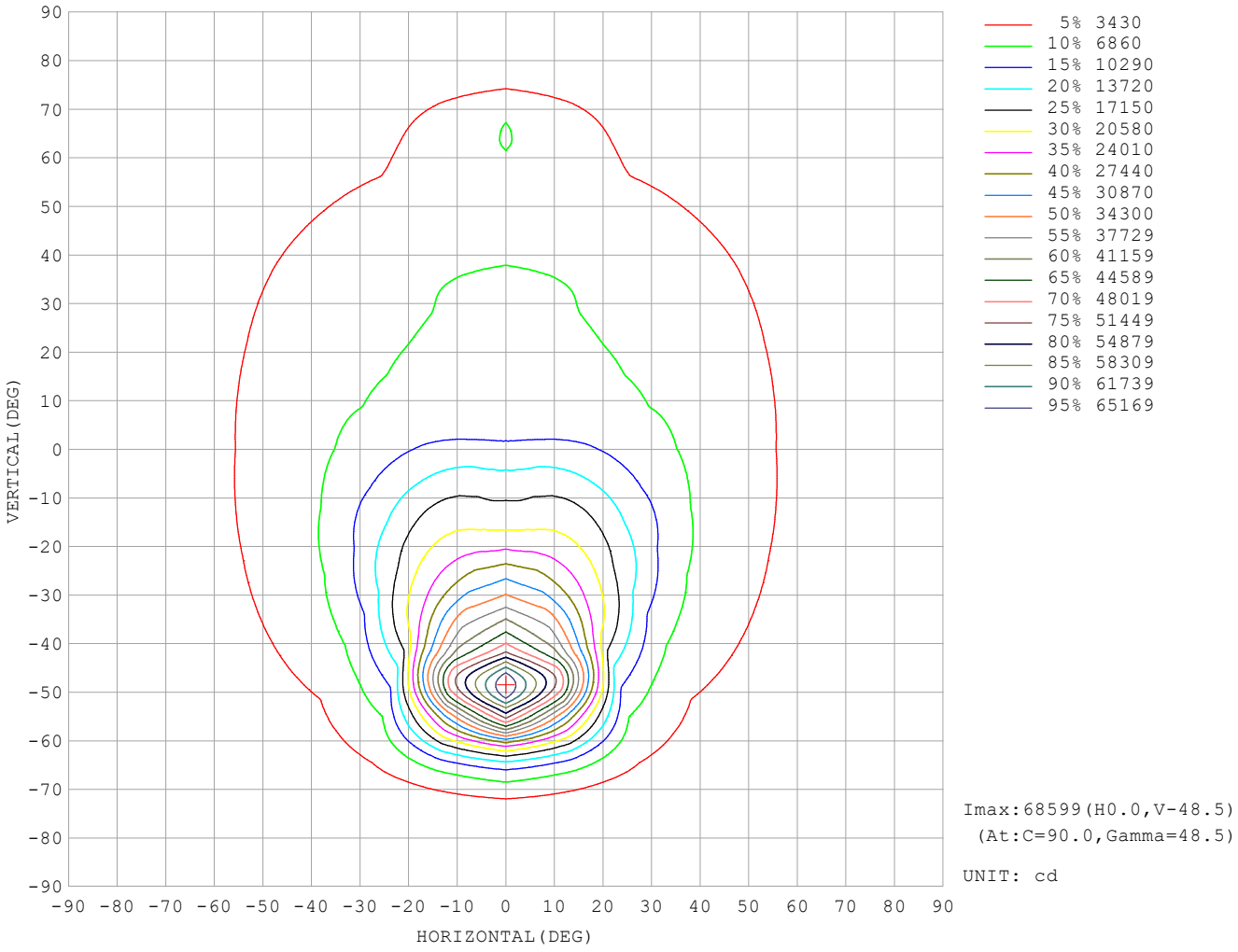
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1168	1577	1684	1577	1168	832.8	808.5	832.8	0- 10	1110	1110	2.6,2.6
20	1008	1883	2342	1883	1008	762.4	776.2	762.4	10- 20	3561	4671	10.9,10.9
30	814.0	1790	3441	1790	814.0	676.4	742.4	676.4	20- 30	6108	10779	25.2,25.2
40	577.4	1273	4803	1273	577.4	579.4	656.9	579.4	30- 40	8227	19006	44.5,44.5
50	428.0	703.2	6774	703.2	428.0	446.8	541.2	446.8	40- 50	9623	28629	67,67
60	291.6	355.8	2954	355.8	291.6	326.9	658.6	326.9	50- 60	8066	36695	85.9,85.9
70	166.3	197.6	519.8	197.6	166.3	182.4	586.0	182.4	60- 70	4126	40821	95.5,95.5
80	53.24	60.62	80.82	60.62	53.24	52.41	99.24	52.41	70- 80	1608	42430	99.3,99.3
90	1.048	0.2708	0.3904	0.2708	1.048	2.340	6.317	2.340	80- 90	300.9	42731	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:

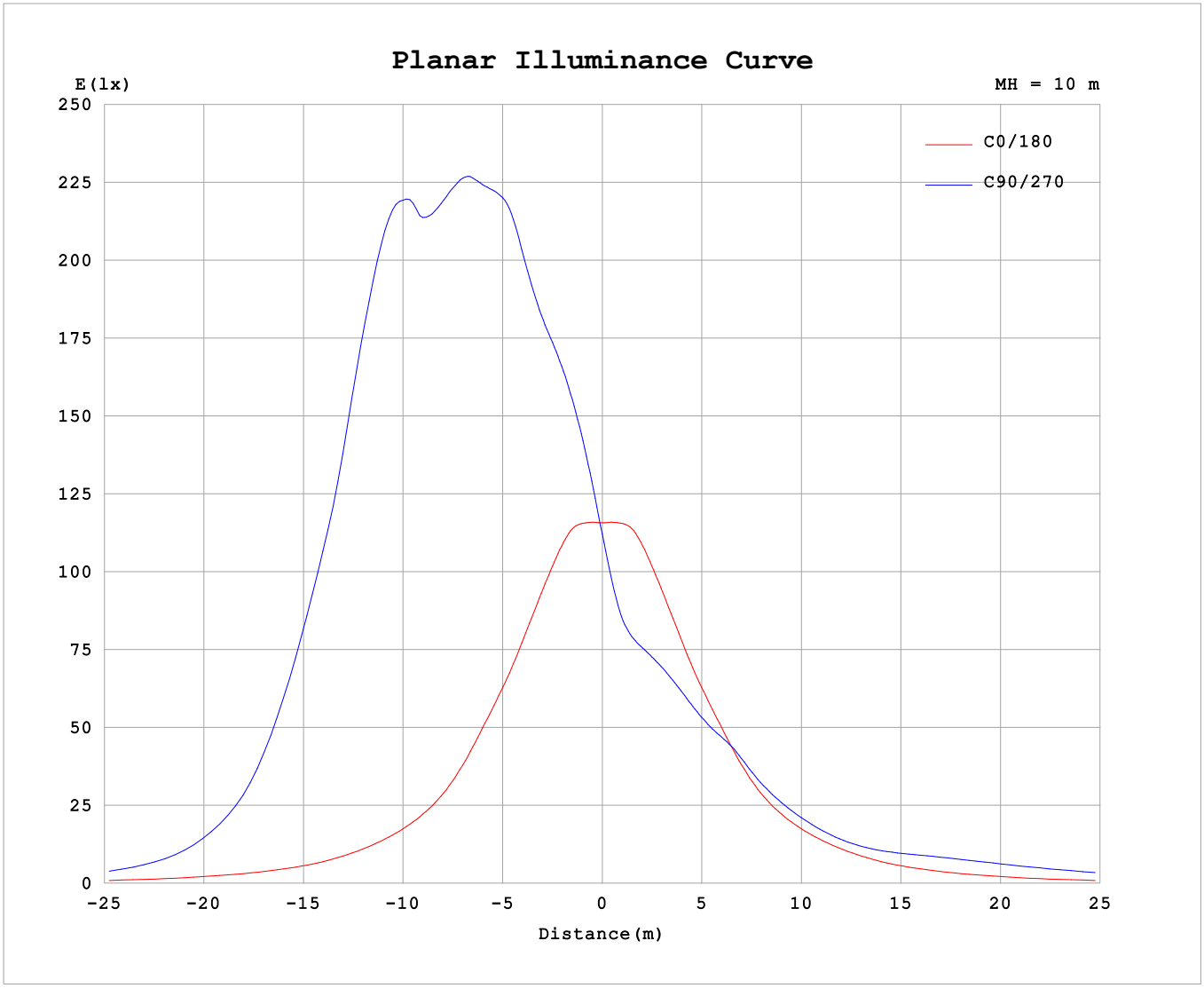
ISOCANDELA DIAGRAM



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



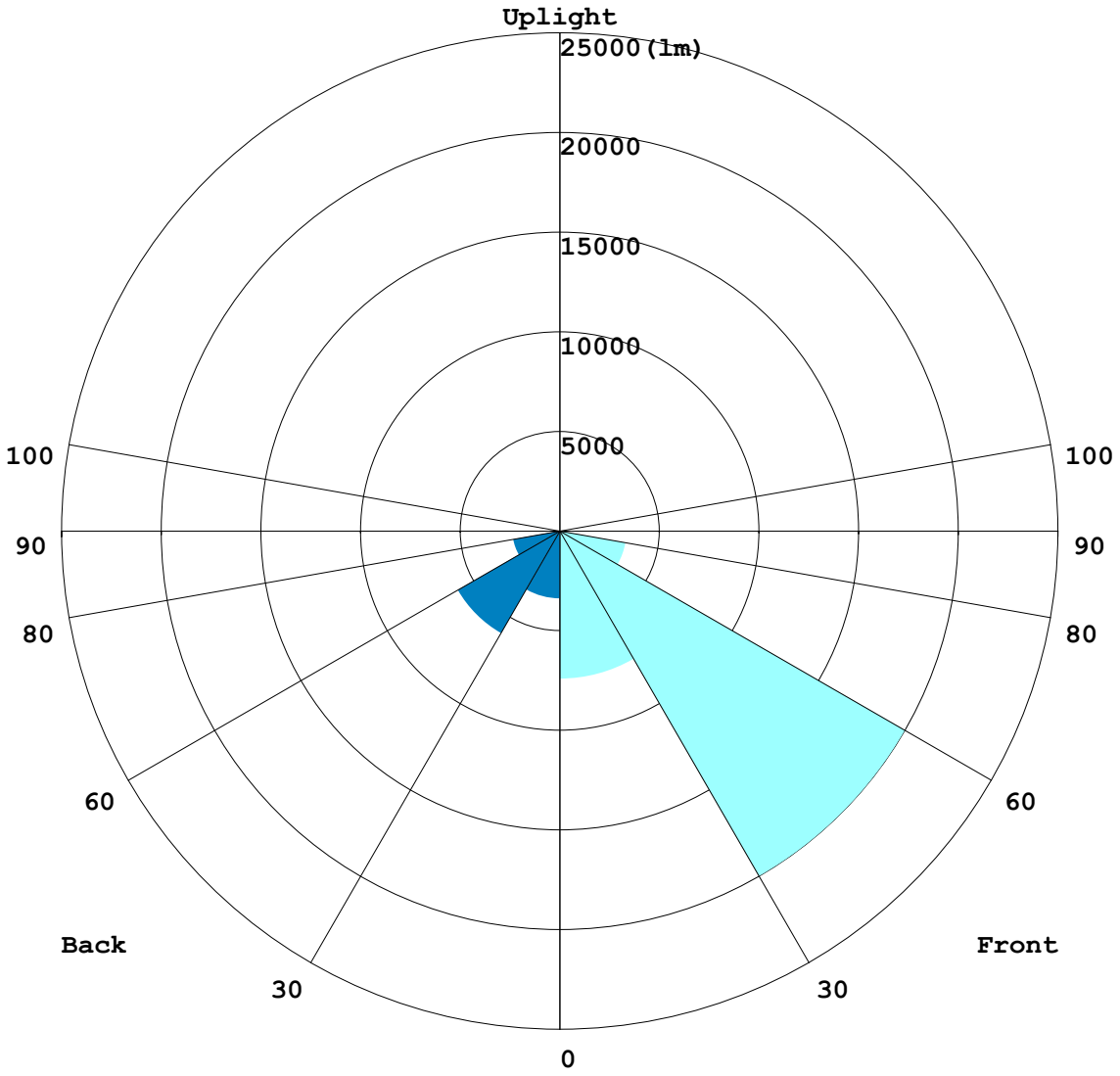
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:42730.6x1 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:42730.6x1 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)	7405.9	17.3
FM - Front-Medium(30-60)	20003	46.8
FH - Front-High(60-80)	3354.5	7.9
FVH - Front-Very High(80-90)	188.08	0.4
Total Forward Light	30952	72.4
BL - Back-Low(0-30)	3373	7.9
BM - Back-Medium(30-60)	5913.3	13.8
BH - Back-High(60-80)	2380	5.6
BVH - Back-Very High(80-90)	112.79	0.3
Total Back Light	11779	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	11779	0	11779
Street Side	30952	0	30952

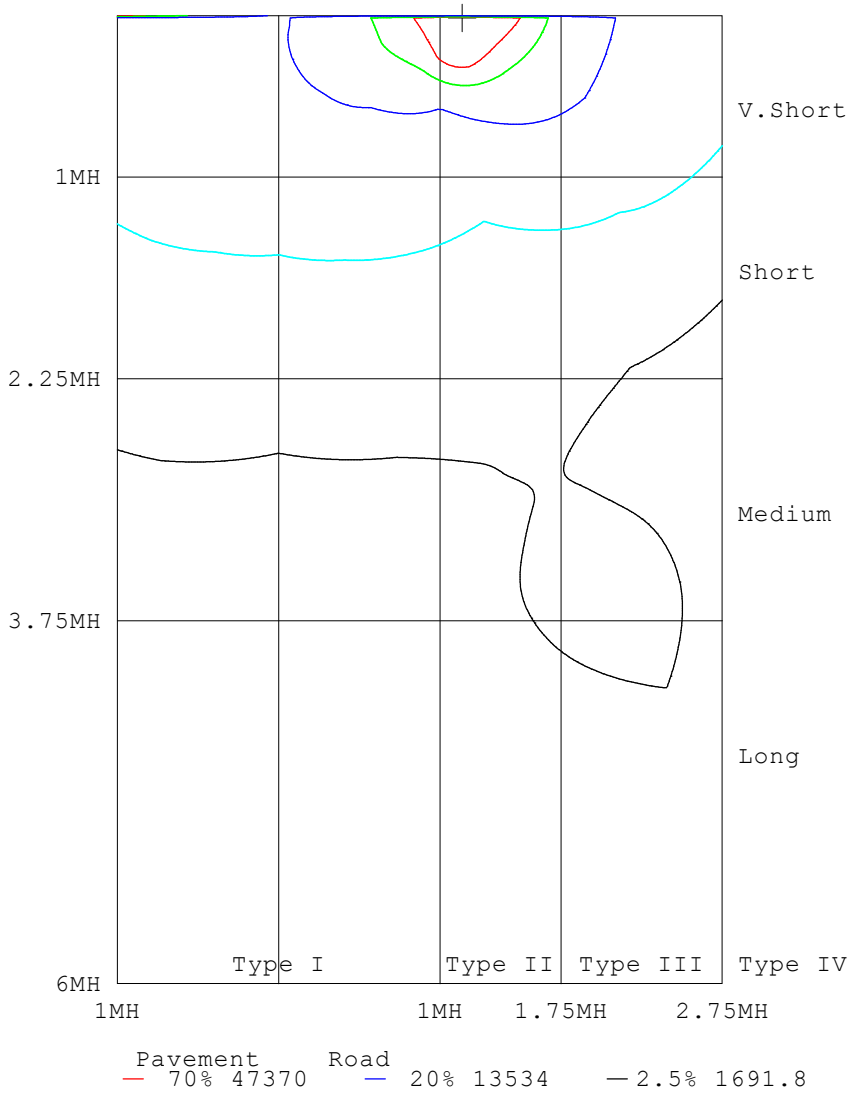
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:42730.6x1 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	1157	1119	1121	1114	1122	1114	1122	1114	1122	1114	1121	1119	1157	1119	1121	1114	1122	1114	1122
5	1170	1210	1284	1335	1382	1396	1412	1396	1382	1335	1284	1210	1170	1059	997	940	910	885	885
10	1168	1298	1464	1577	1648	1665	1684	1665	1648	1577	1464	1298	1168	987	890	833	814	808	809
15	1100	1306	1571	1769	1892	1935	1957	1935	1892	1769	1571	1306	1100	900	821	793	789	791	794
20	1008	1234	1576	1883	2095	2257	2342	2257	2095	1883	1576	1234	1008	832	775	762	769	773	776
25	907	1123	1481	1889	2266	2686	2909	2686	2266	1889	1481	1123	907	761	724	725	736	744	752
30	814	1007	1325	1790	2383	3076	3441	3076	2383	1790	1325	1007	814	694	671	676	697	723	742
35	692	844	1118	1587	2387	3545	4120	3545	2387	1587	1118	844	692	621	617	625	669	712	730
40	577	676	855	1273	2213	3939	4803	3939	2213	1273	855	676	577	544	555	579	612	632	657
45	497	564	665	936	1769	4602	6203	4602	1769	936	665	564	497	479	495	525	526	573	597
50	428	451	491	703	1268	4879	6774	4879	1268	703	491	451	428	420	438	447	469	516	541
55	351	370	402	467	911	3372	5285	3372	911	467	402	370	351	360	379	386	408	467	545
60	292	306	331	356	626	2073	2954	2073	626	356	331	306	292	299	311	327	341	468	659
65	229	245	256	269	425	974	1223	974	425	269	256	245	229	250	248	258	270	464	706
70	166	177	193	198	256	400	520	400	256	198	193	177	166	179	183	182	197	386	586
75	112	136	193	122	133	162	207	162	133	122	193	136	112	111	113	113	120	220	295
80	53.2	78.0	119	60.6	63.1	58.3	80.8	58.3	63.1	60.6	119	78.0	53.2	53.0	53.3	52.4	56.9	80.9	99.2
85	17.8	48.5	89.0	19.9	15.6	15.2	18.7	15.2	15.6	19.9	89.0	48.5	17.8	13.3	13.7	12.7	13.6	17.0	19.1
90	1.05	0.25	0.26	0.27	0.32	0.37	0.39	0.37	0.32	0.27	0.26	0.25	1.05	1.94	2.06	2.34	3.38	5.21	6.32

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	1114	1122	1114	1121	1119														
5	885	910	940	997	1059														
10	808	814	833	890	987														
15	791	789	793	821	900														
20	773	769	762	775	832														
25	744	736	725	724	761														
30	723	697	676	671	694														
35	712	669	625	617	621														
40	632	612	579	555	544														
45	573	526	525	495	479														
50	516	469	447	438	420														
55	467	408	386	379	360														
60	468	341	327	311	299														
65	464	270	258	248	250														
70	386	197	182	183	179														
75	220	120	113	113	111														
80	80.9	56.9	52.4	53.3	53.0														
85	17.0	13.6	12.7	13.7	13.3														
90	5.21	3.38	2.34	2.06	1.94														

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: