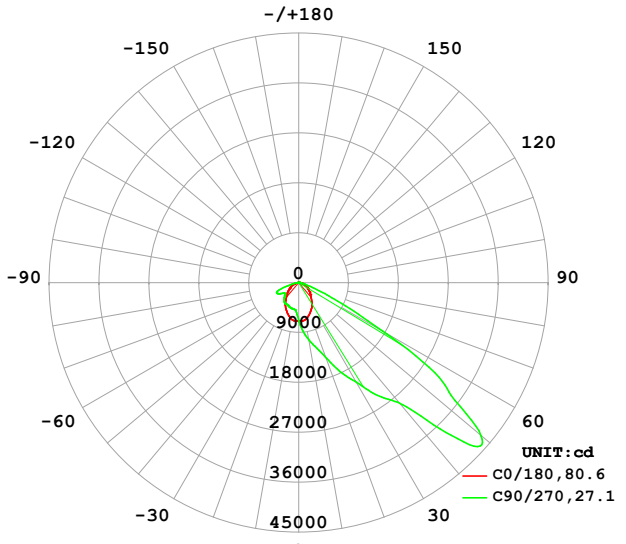
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25924.5x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

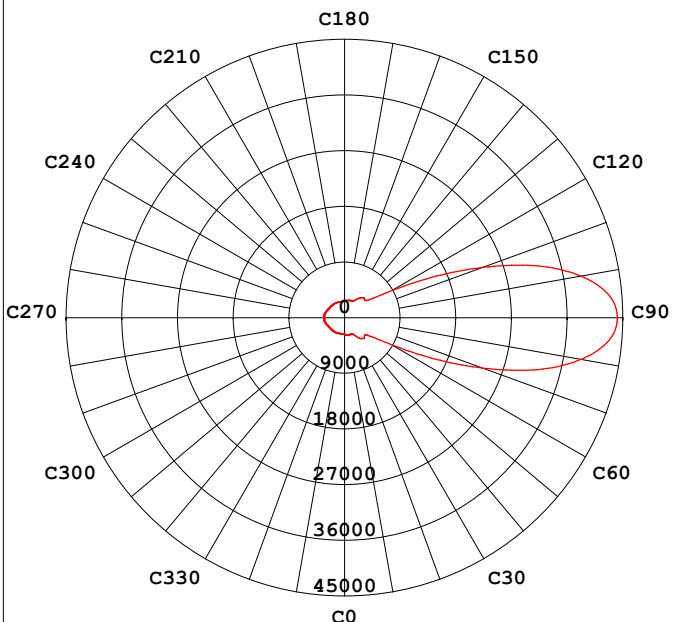
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 168.23 lm/W	
MODEL	/	Imax(cd)	44093	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	25925	η house_up(%)	0.0
NOMINAL FLUX(lm)	25924.5	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):53.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

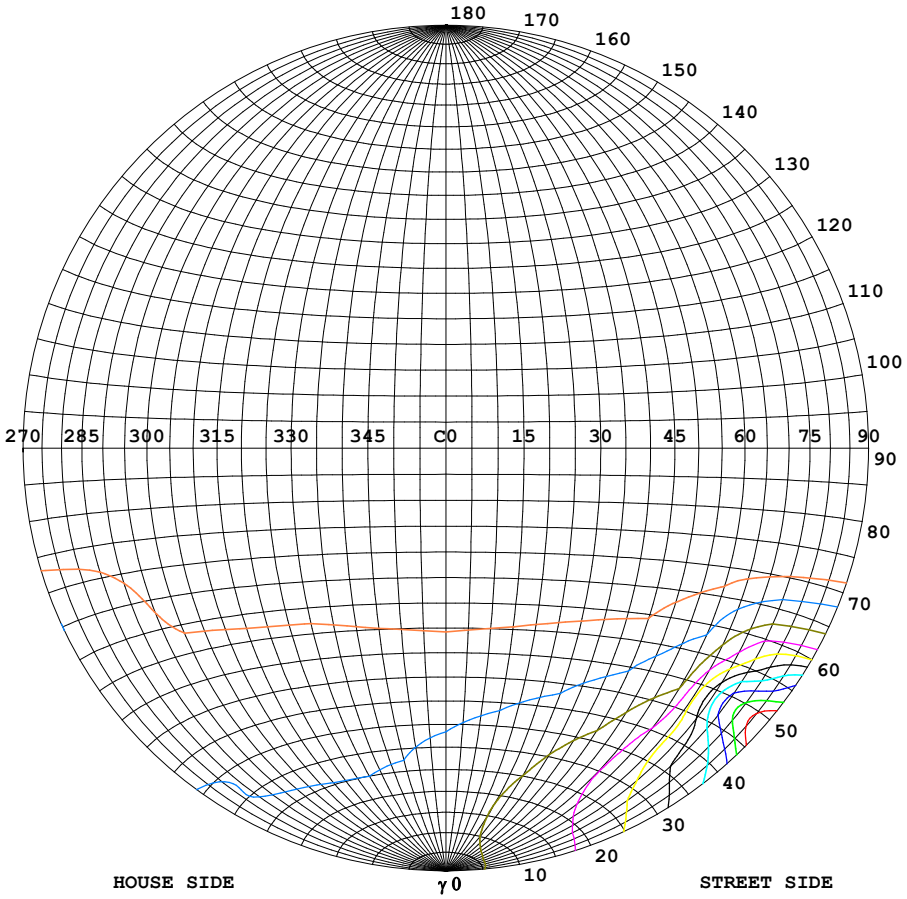


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:

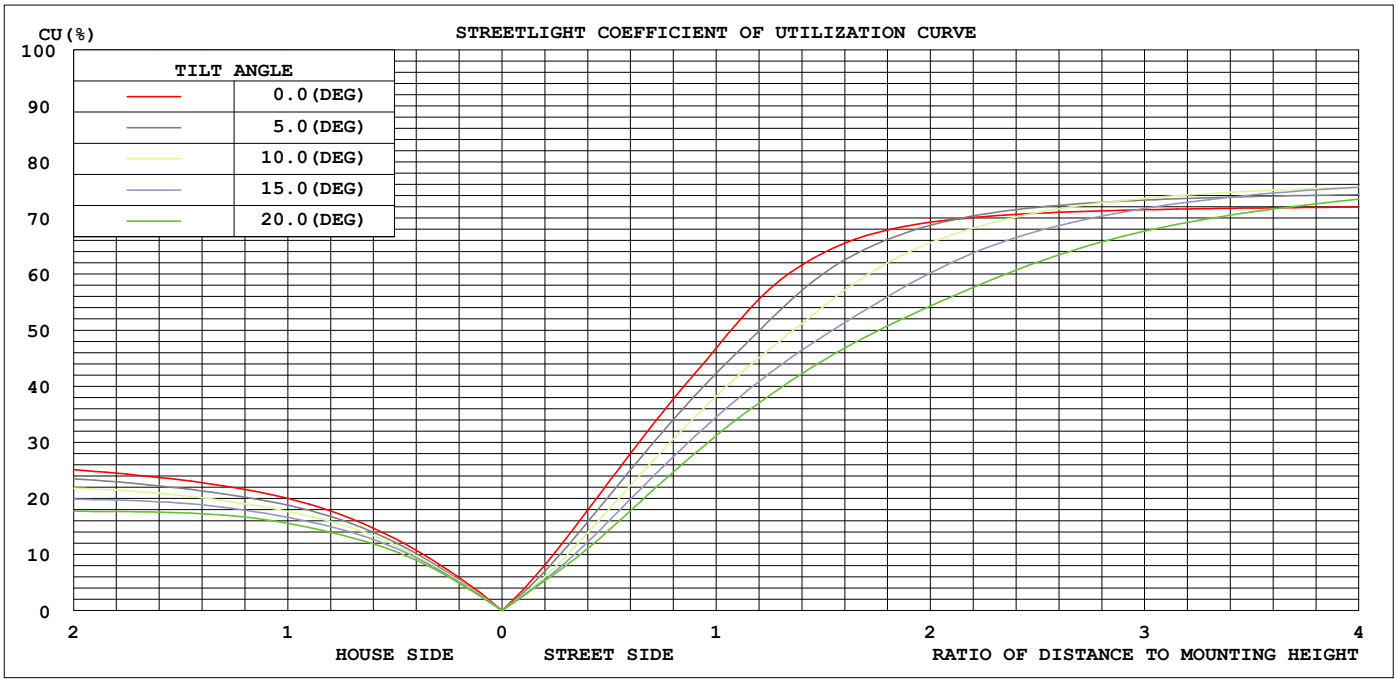
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

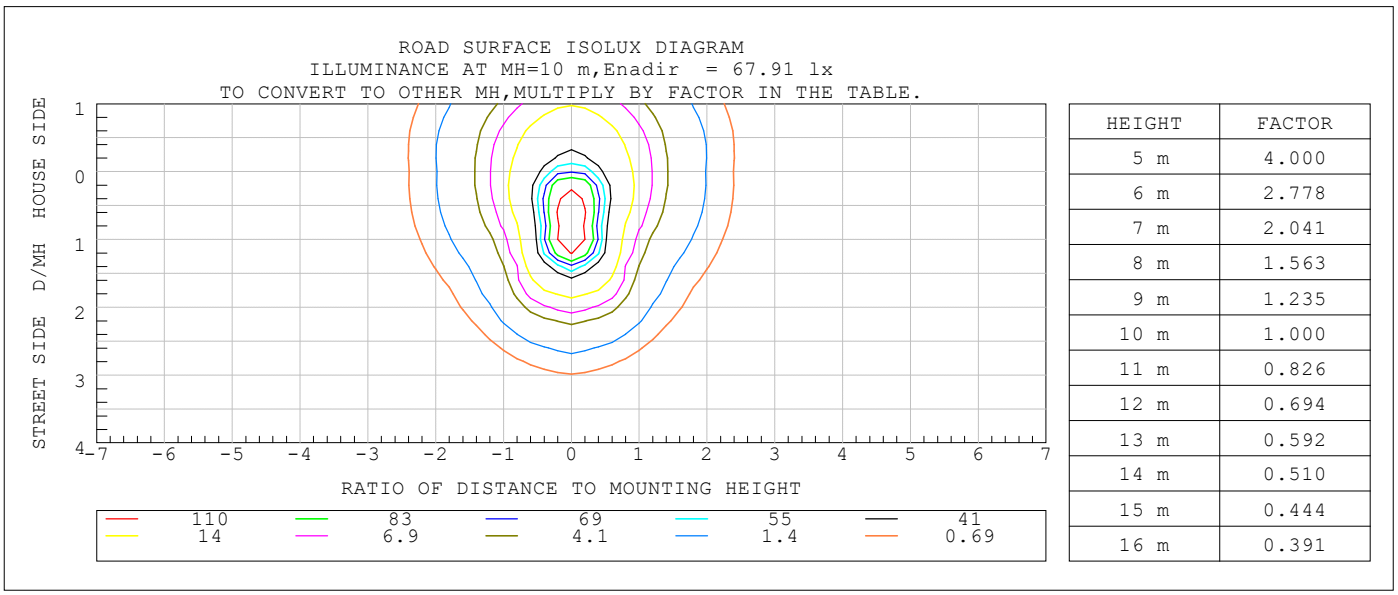
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	44093
90%	39684
80%	35275
70%	30865
60%	26456
50%	22047
40%	17637
30%	13228
20%	8819
10%	4409
5%	2205

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:2026-01-12

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:

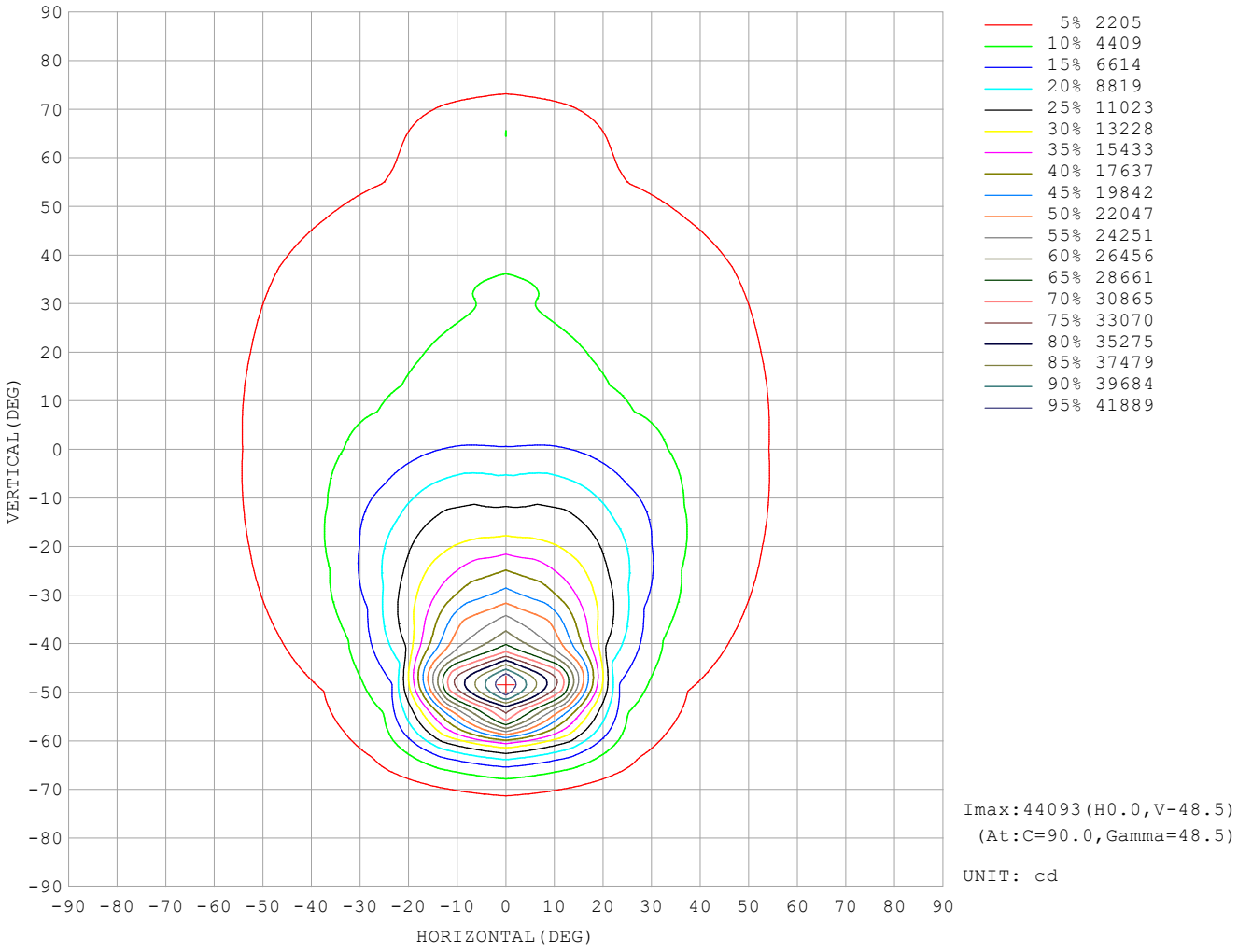
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	683.5	965.4	1043	965.4	683.5	502.3	490.6	502.3	0- 10	672.8	672.8	2.6,2.6
20	592.1	1128	1438	1128	592.1	465.0	475.7	465.0	10- 20	2148	2821	10.9,10.9
30	485.6	1080	2072	1080	485.6	414.3	451.2	414.3	20- 30	3683	6503	25.1,25.1
40	350.8	760.9	2844	760.9	350.8	354.1	410.1	354.1	30- 40	4958	11461	44.2,44.2
50	260.1	421.5	4292	421.5	260.1	276.9	330.6	276.9	40- 50	5931	17392	67.1,67.1
60	176.7	211.8	1746	211.8	176.7	200.6	408.3	200.6	50- 60	4957	22349	86.2,86.2
70	99.10	114.7	291.5	114.7	99.10	111.1	356.2	111.1	60- 70	2482	24830	95.8,95.8
80	30.81	33.30	44.89	33.30	30.81	30.36	51.63	30.36	70- 80	930.5	25761	99.4,99.4
90	0.6563	0.1965	0.3170	0.1965	0.6563	1.377	3.649	1.377	80- 90	163.6	25925	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:2026-01-12

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:

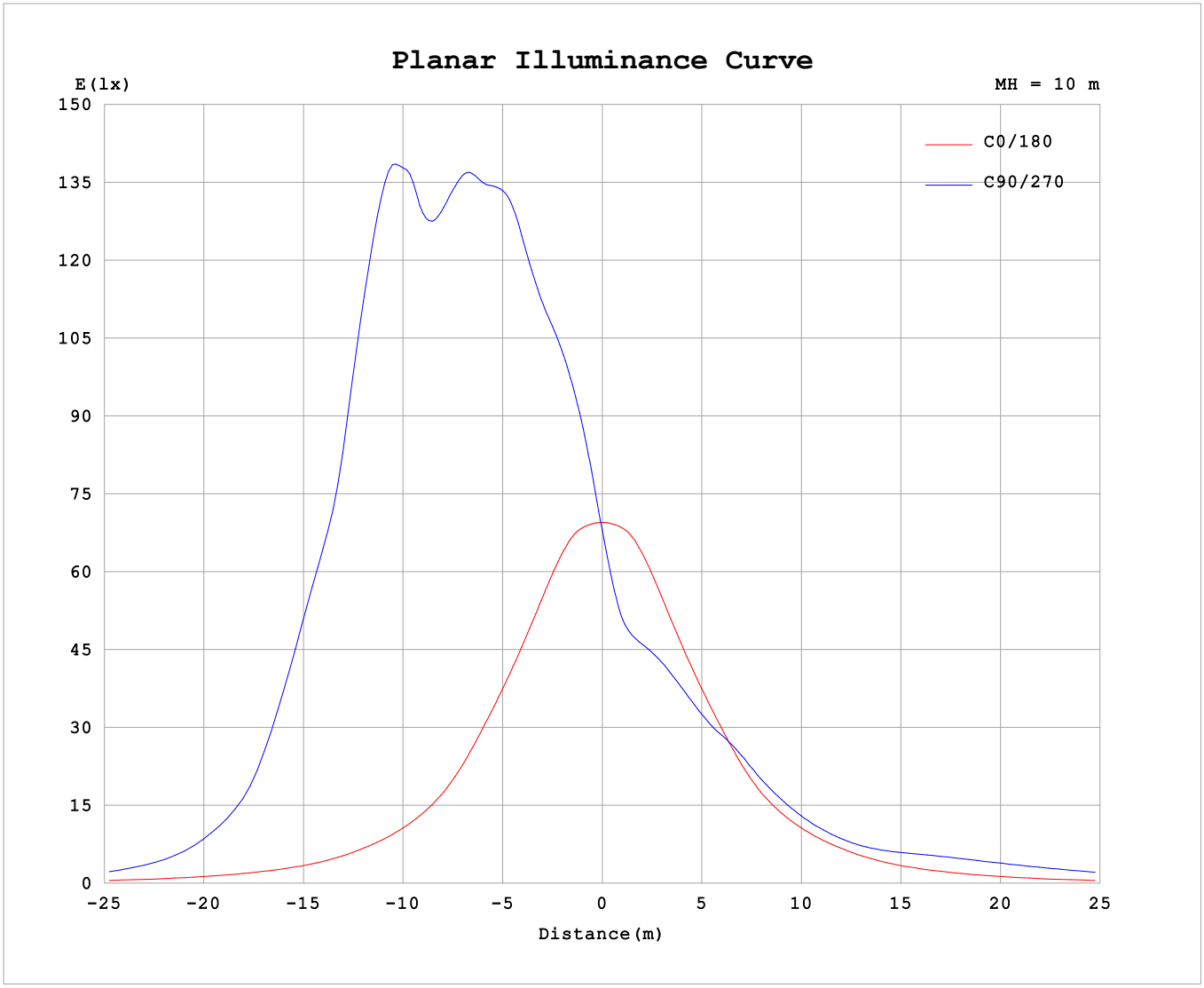
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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



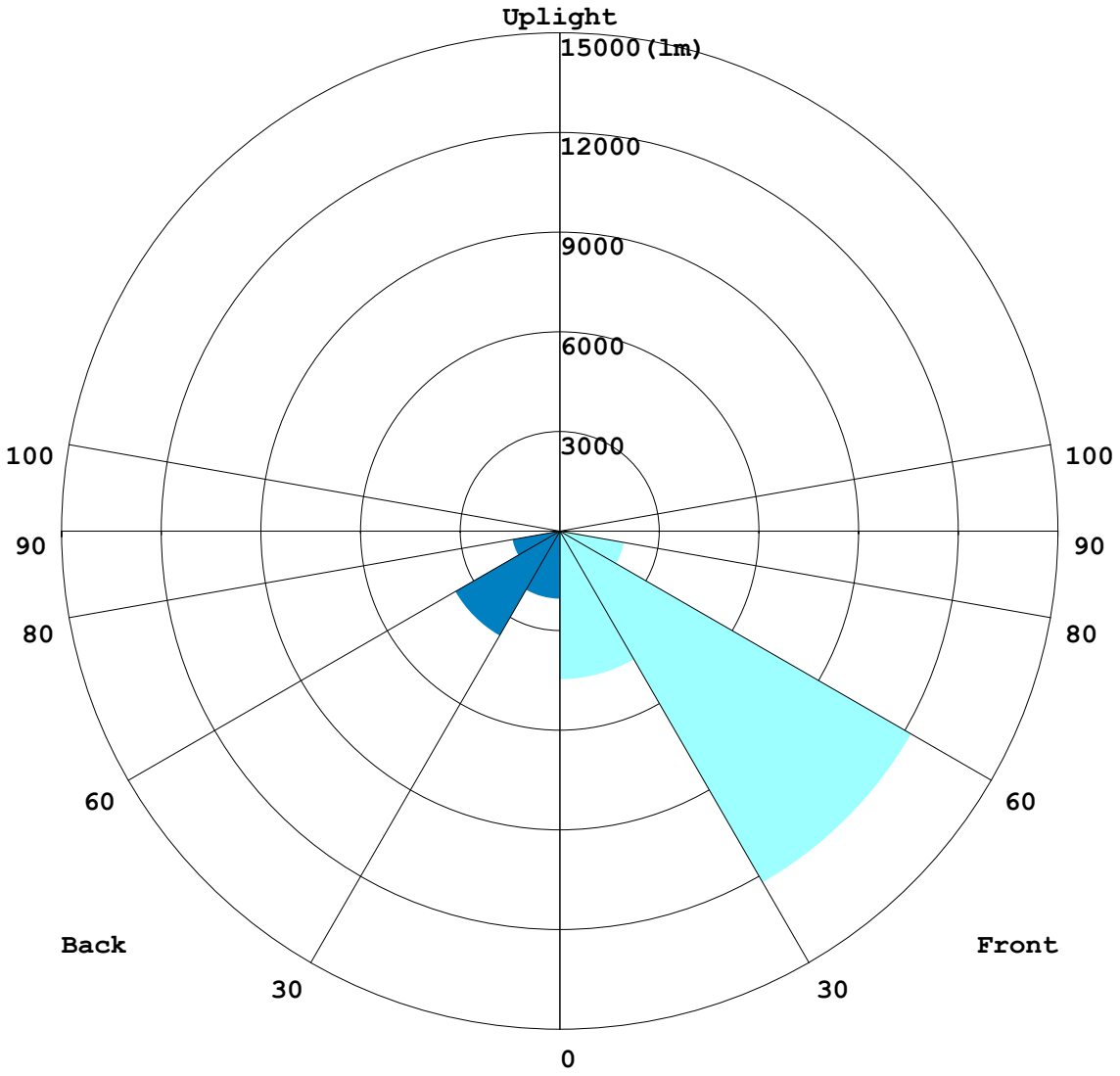
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25924.5x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25924.5x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4462.8	17.2
FM - Front-Medium(30-60)	12217	47.1
FH - Front-High(60-80)	1965.3	7.6
FVH - Front-Very High(80-90)	101.24	0.4
Total Forward Light	18747	72.3
BL - Back-Low(0-30)	2040.5	7.9
BM - Back-Medium(30-60)	3628.2	14.0
BH - Back-High(60-80)	1446.7	5.6
BVH - Back-Very High(80-90)	62.355	0.2
Total Back Light	7177.7	27.7
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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7177.7	0	7177.7
Street Side	18747	0	18747

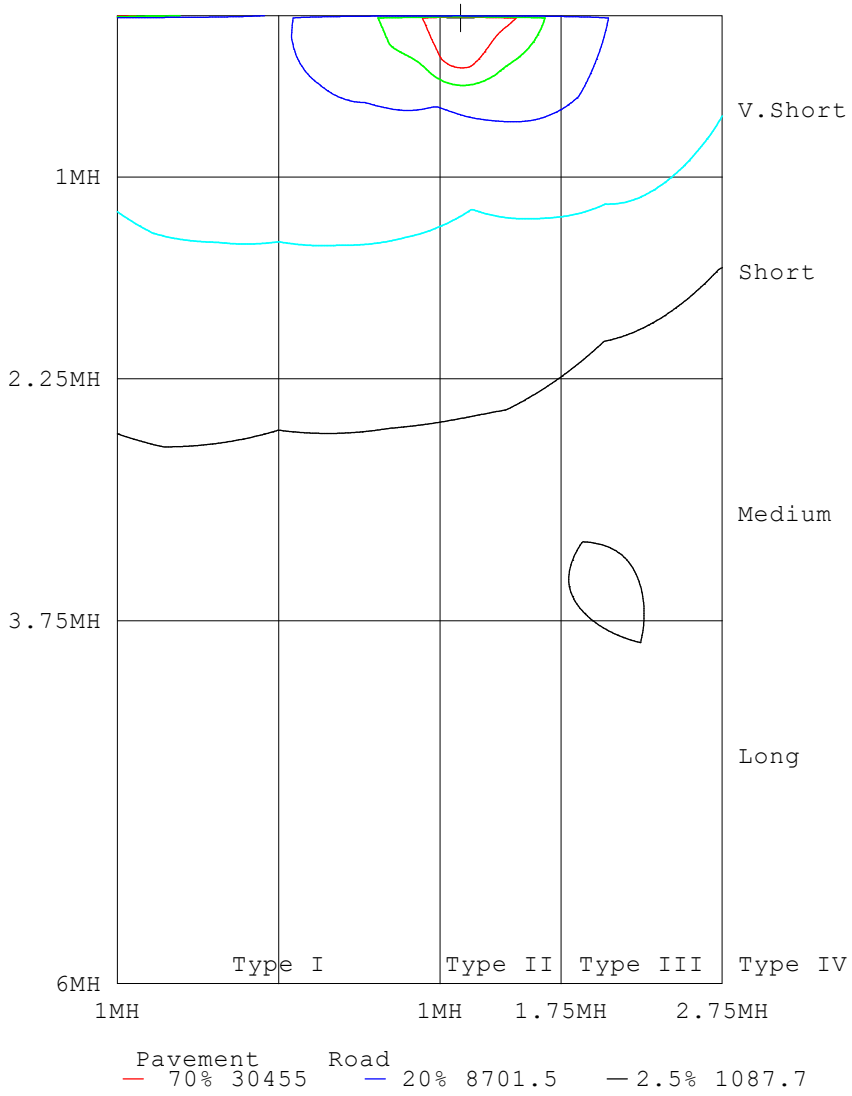
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25924.5x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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	695	679	680	678	680	678	680	678	680	678	680	679	695	679	680	678	680	678	680
5	695	730	782	820	850	859	872	859	850	820	782	730	695	635	598	566	546	533	531
10	684	771	882	965	1015	1027	1043	1027	1015	965	882	771	684	588	532	502	491	489	491
15	644	771	937	1066	1149	1186	1208	1186	1149	1066	937	771	644	535	493	480	481	484	487
20	592	729	937	1128	1257	1373	1438	1373	1257	1128	937	729	592	496	468	465	470	474	476
25	540	671	881	1138	1357	1625	1770	1625	1357	1138	881	671	540	459	441	443	450	456	460
30	486	601	793	1080	1431	1852	2072	1852	1431	1080	793	601	486	421	411	414	424	439	451
35	417	508	670	950	1430	2141	2481	2141	1430	950	670	508	417	379	379	384	405	433	448
40	351	409	515	761	1332	2333	2844	2333	1332	761	515	409	351	333	342	354	374	391	410
45	302	342	401	562	1077	2829	3899	2829	1077	562	401	342	302	295	306	322	327	354	368
50	260	272	295	421	773	3169	4292	3169	773	421	295	272	260	259	272	277	289	315	331
55	213	224	242	276	558	2048	3224	2048	558	276	242	224	213	222	236	238	249	284	334
60	177	184	198	212	374	1273	1746	1273	374	212	198	184	177	185	194	201	208	288	408
65	138	146	151	159	252	570	718	570	252	159	151	146	138	155	153	158	166	291	442
70	99.1	103	112	115	151	228	292	228	151	115	112	103	99.1	110	111	111	121	238	356
75	66.8	77.7	107	69.0	78.5	92.3	117	92.3	78.5	69.0	107	77.7	66.8	67.8	67.6	67.4	72.5	125	158
80	30.8	42.0	62.8	33.3	35.3	33.0	44.9	33.0	35.3	33.3	62.8	42.0	30.8	30.3	31.0	30.4	32.9	43.9	51.6
85	9.96	25.1	45.2	10.6	7.98	7.96	9.52	7.96	7.98	10.6	45.2	25.1	9.96	7.04	7.28	6.96	7.40	8.77	9.80
90	0.66	0.17	0.18	0.20	0.24	0.29	0.32	0.29	0.24	0.20	0.18	0.17	0.66	1.17	1.22	1.38	1.98	3.01	3.65

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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	678	680	678	680	679														
5	533	546	566	598	635														
10	489	491	502	532	588														
15	484	481	480	493	535														
20	474	470	465	468	496														
25	456	450	443	441	459														
30	439	424	414	411	421														
35	433	405	384	379	379														
40	391	374	354	342	333														
45	354	327	322	306	295														
50	315	289	277	272	259														
55	284	249	238	236	222														
60	288	208	201	194	185														
65	291	166	158	153	155														
70	238	121	111	111	110														
75	125	72.5	67.4	67.6	67.8														
80	43.9	32.9	30.4	31.0	30.3														
85	8.77	7.40	6.96	7.28	7.04														
90	3.01	1.98	1.38	1.22	1.17														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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: