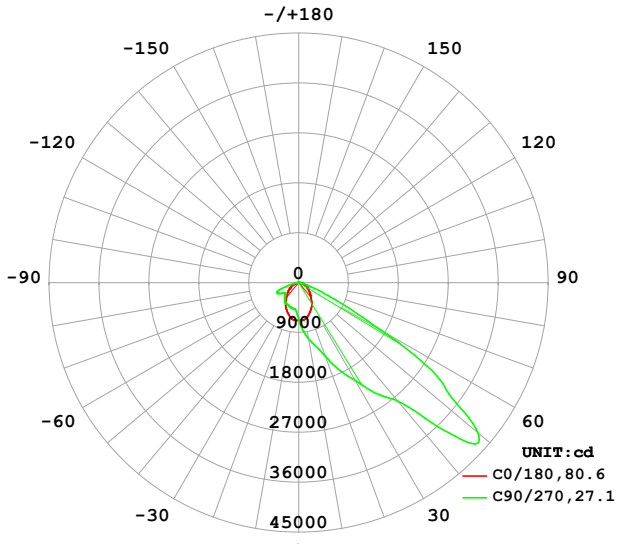
STREETLIGHT PHOTOMETRIC TEST REPORT

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:25497.3x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

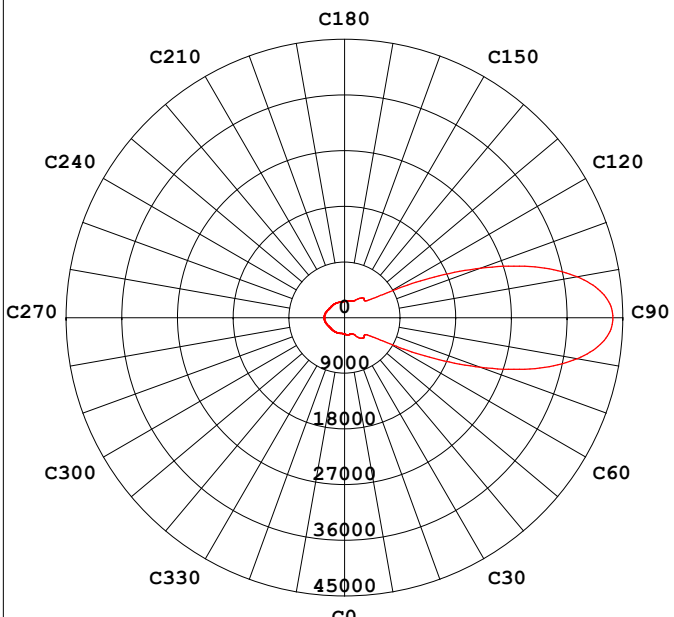
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 165.46 lm/W	
MODEL	/	Imax(cd)	43367	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	25497	η house_up(%)	0.0
NOMINAL FLUX(lm)	25497.3	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 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

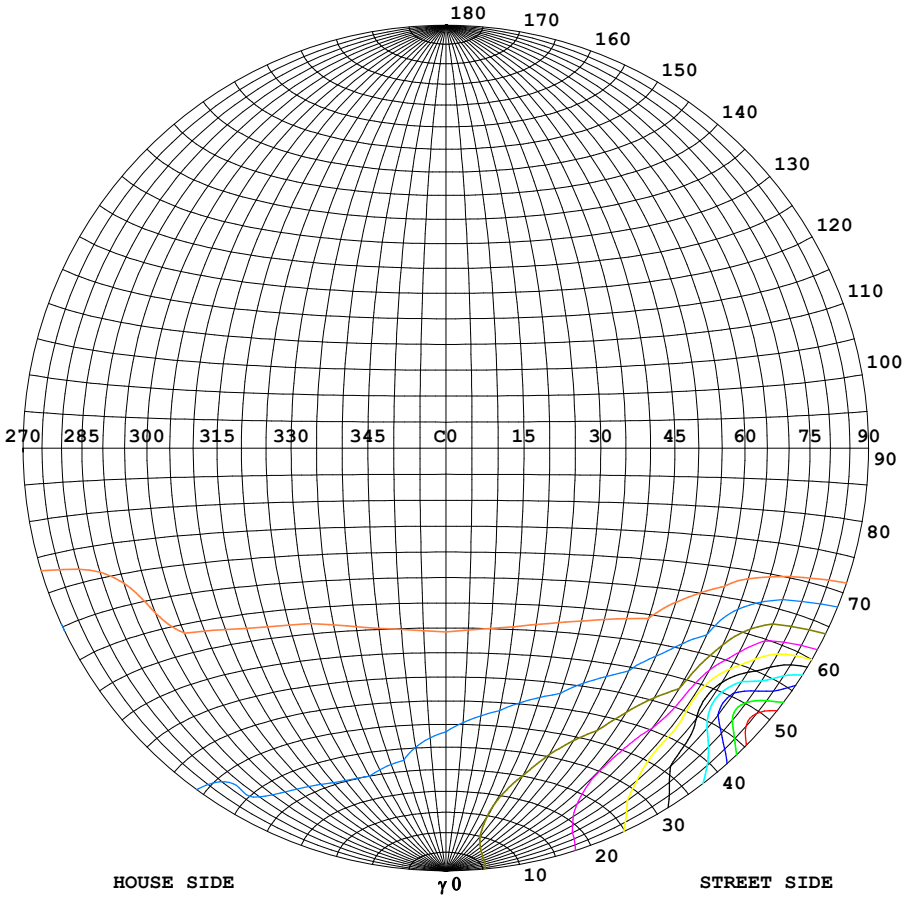


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

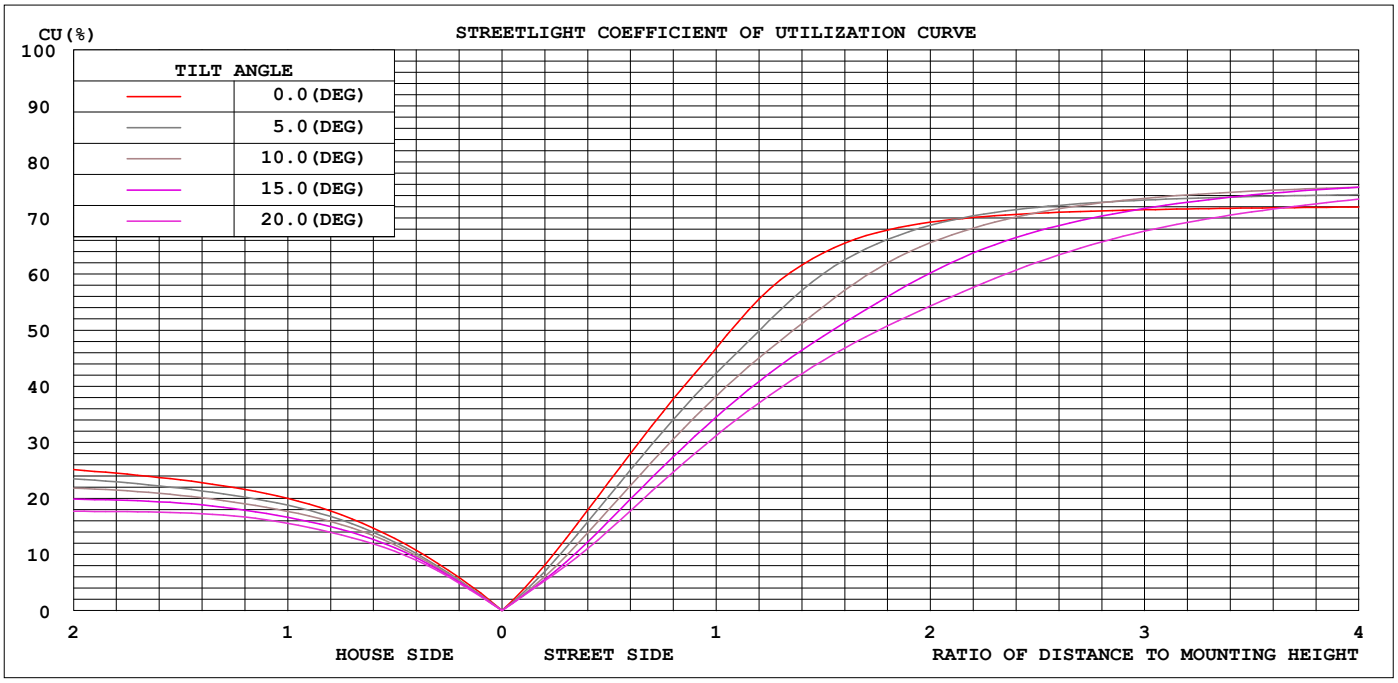
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

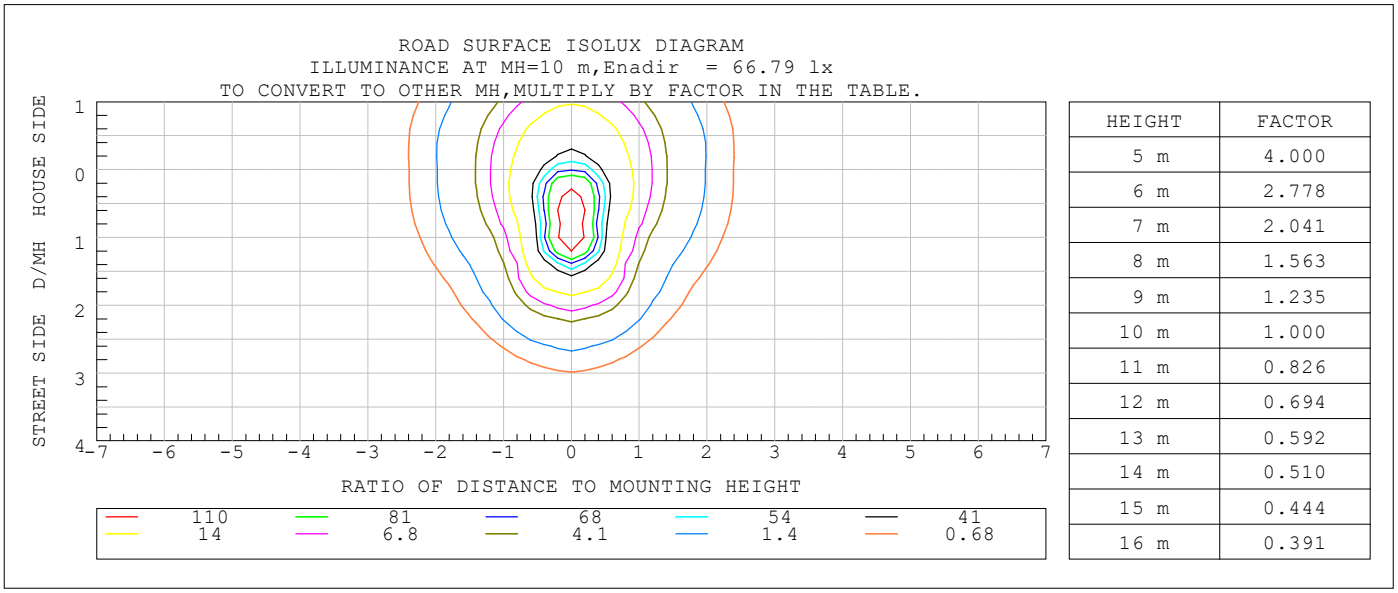
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	43367
90%	39030
80%	34693
70%	30357
60%	26020
50%	21683
40%	17347
30%	13010
20%	8673
10%	4337
5%	2168

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:

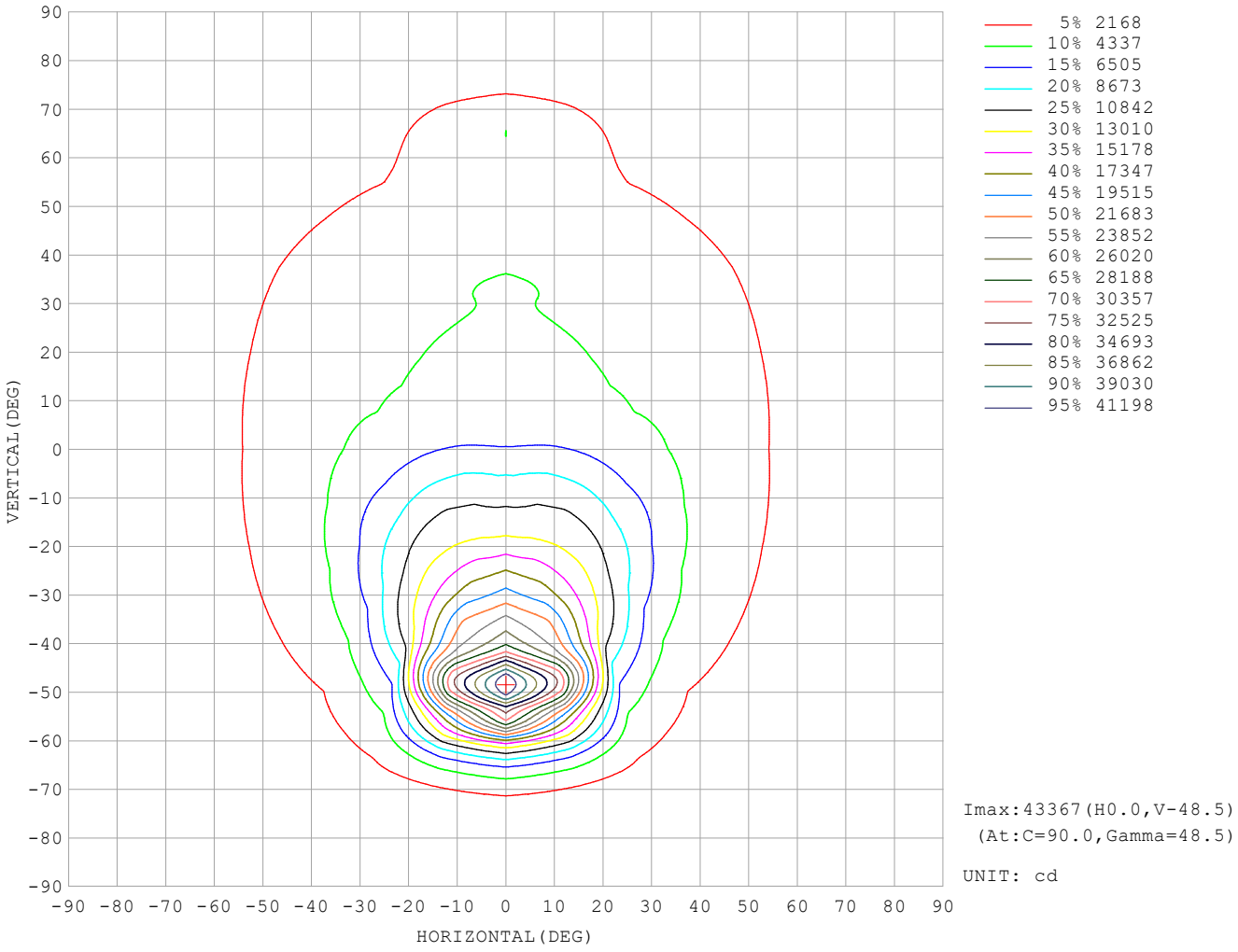
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	672.2	949.5	1025	949.5	672.2	494.0	482.5	494.0	0- 10	661.7	661.7	2.6,2.6
20	582.3	1109	1415	1109	582.3	457.4	467.8	457.4	10- 20	2112	2774	10.9,10.9
30	477.6	1062	2037	1062	477.6	407.5	443.7	407.5	20- 30	3622	6396	25.1,25.1
40	345.0	748.4	2797	748.4	345.0	348.3	403.3	348.3	30- 40	4876	11272	44.2,44.2
50	255.8	414.5	4222	414.5	255.8	272.3	325.1	272.3	40- 50	5833	17105	67.1,67.1
60	173.7	208.3	1717	208.3	173.7	197.3	401.6	197.3	50- 60	4875	21981	86.2,86.2
70	97.47	112.8	286.7	112.8	97.47	109.2	350.3	109.2	60- 70	2441	24421	95.8,95.8
80	30.30	32.75	44.15	32.75	30.30	29.86	50.78	29.86	70- 80	915.1	25336	99.4,99.4
90	0.6454	0.1932	0.3118	0.1932	0.6454	1.354	3.589	1.354	80- 90	160.9	25497	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:

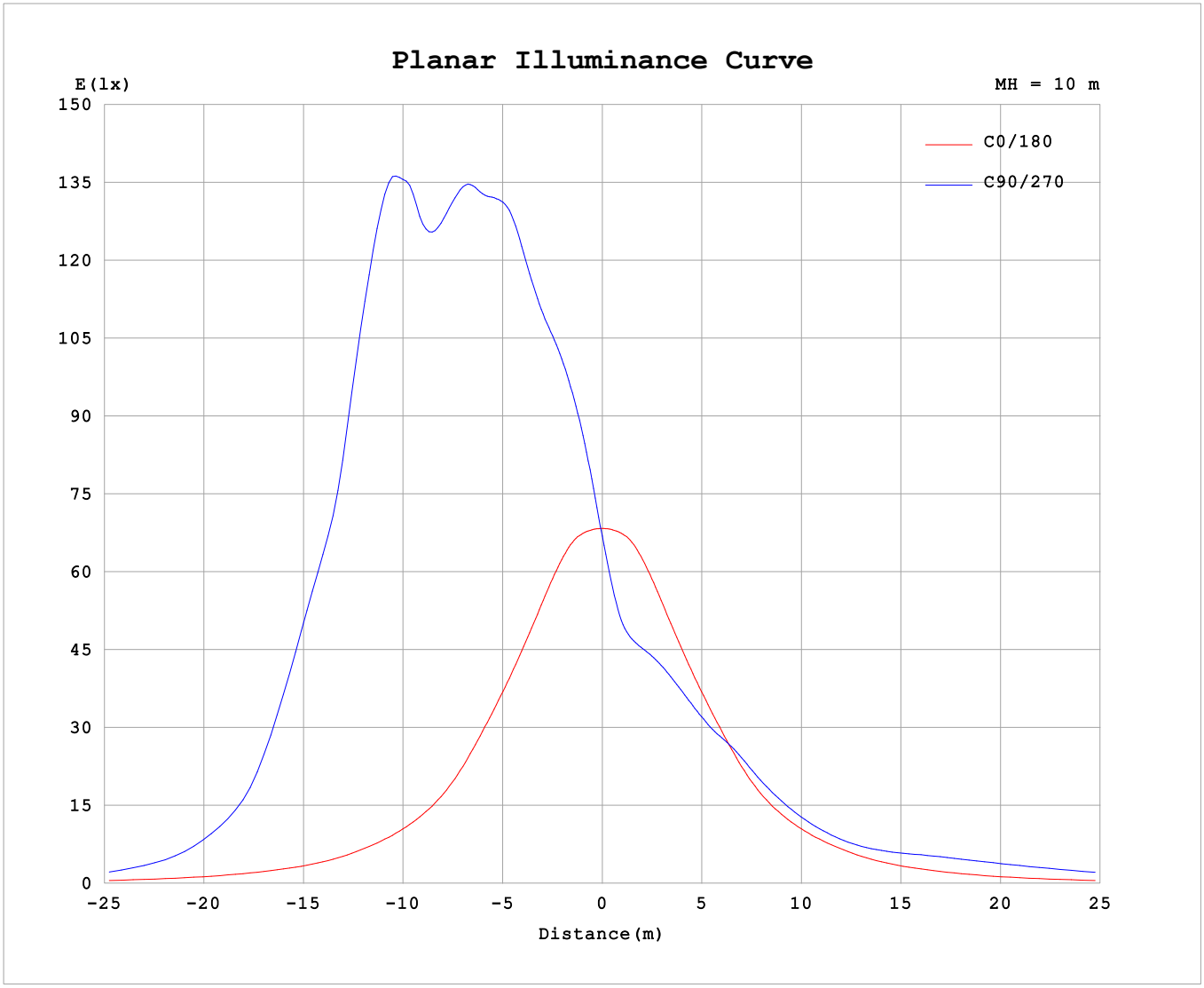
ISOCANDELA DIAGRAM



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



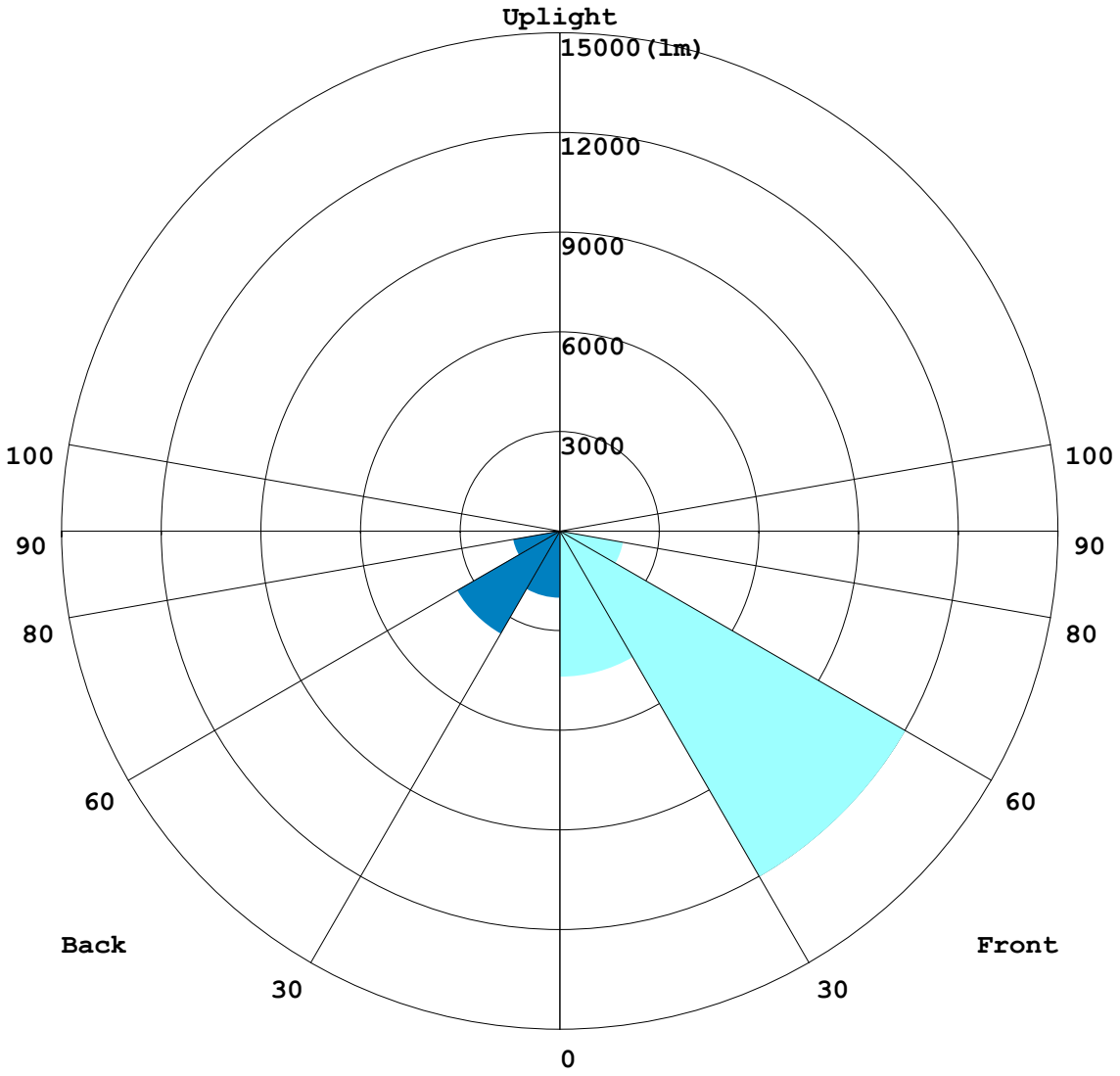
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:25497.3x1 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:25497.3x1 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)	4389.2	17.2
FM - Front-Medium(30-60)	12016	47.1
FH - Front-High(60-80)	1933	7.6
FVH - Front-Very High(80-90)	99.568	0.4
Total Forward Light	18438	72.3
BL - Back-Low(0-30)	2006.9	7.9
BM - Back-Medium(30-60)	3568.4	14.0
BH - Back-High(60-80)	1422.8	5.6
BVH - Back-Very High(80-90)	61.327	0.2
Total Back Light	7059.4	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	7059.4	0	7059.4
Street Side	18438	0	18438

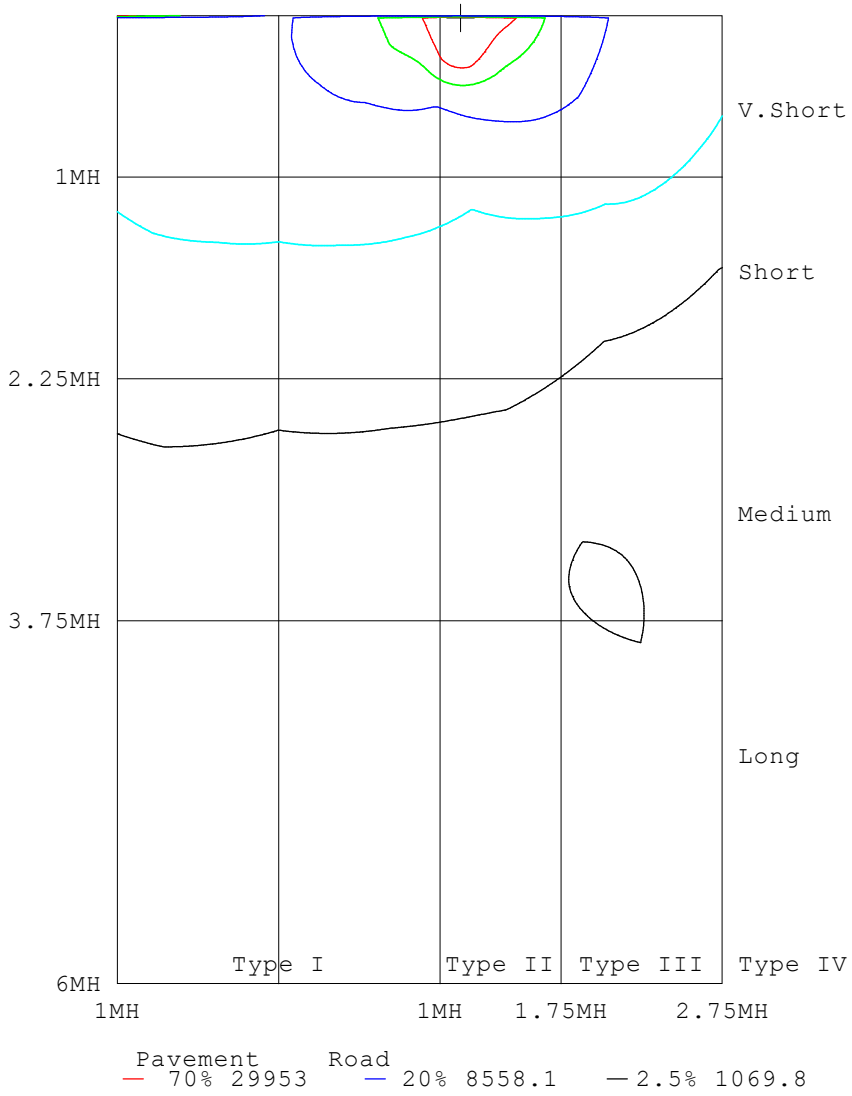
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:25497.3x1 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	684	668	669	667	669	666	669	666	669	667	669	668	684	668	669	667	669	666	669
5	684	718	769	807	836	845	857	845	836	807	769	718	684	624	588	557	537	524	522
10	672	758	868	949	998	1010	1025	1010	998	949	868	758	672	579	523	494	483	481	483
15	633	758	922	1048	1130	1166	1188	1166	1130	1048	922	758	633	527	485	473	473	476	479
20	582	717	922	1109	1236	1350	1415	1350	1236	1109	922	717	582	488	460	457	462	466	468
25	531	660	866	1119	1335	1598	1741	1598	1335	1119	866	660	531	452	433	436	443	448	453
30	478	591	780	1062	1408	1821	2037	1821	1408	1062	780	591	478	414	405	408	417	431	444
35	410	500	659	935	1406	2106	2440	2106	1406	935	659	500	410	372	373	377	399	425	441
40	345	403	507	748	1310	2295	2797	2295	1310	748	507	403	345	328	336	348	367	385	403
45	297	336	394	553	1059	2782	3834	2782	1059	553	394	336	297	290	301	316	321	348	362
50	256	267	290	415	760	3117	4222	3117	760	415	290	267	256	254	268	272	284	310	325
55	210	220	238	272	549	2015	3170	2015	549	272	238	220	210	218	232	234	245	280	329
60	174	181	195	208	368	1252	1717	1252	368	208	195	181	174	182	190	197	204	284	402
65	136	144	149	157	248	561	707	561	248	157	149	144	136	153	151	155	164	286	434
70	97.5	101	110	113	148	224	287	224	148	113	110	101	97.5	108	110	109	119	234	350
75	65.7	76.4	105	67.8	77.2	90.8	115	90.8	77.2	67.8	105	76.4	65.7	66.7	66.5	66.3	71.3	122	156
80	30.3	41.3	61.8	32.8	34.7	32.4	44.2	32.4	34.7	32.8	61.8	41.3	30.3	29.8	30.5	29.9	32.4	43.2	50.8
85	9.79	24.6	44.4	10.5	7.85	7.83	9.37	7.83	7.85	10.5	44.4	24.6	9.79	6.93	7.16	6.84	7.28	8.62	9.63
90	0.65	0.17	0.18	0.19	0.23	0.28	0.31	0.28	0.23	0.19	0.18	0.17	0.65	1.15	1.20	1.35	1.94	2.96	3.59

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	666	669	667	669	668														
5	524	537	557	588	624														
10	481	483	494	523	579														
15	476	473	473	485	527														
20	466	462	457	460	488														
25	448	443	436	433	452														
30	431	417	408	405	414														
35	425	399	377	373	372														
40	385	367	348	336	328														
45	348	321	316	301	290														
50	310	284	272	268	254														
55	280	245	234	232	218														
60	284	204	197	190	182														
65	286	164	155	151	153														
70	234	119	109	110	108														
75	122	71.3	66.3	66.5	66.7														
80	43.2	32.4	29.9	30.5	29.8														
85	8.62	7.28	6.84	7.16	6.93														
90	2.96	1.94	1.35	1.20	1.15														

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: