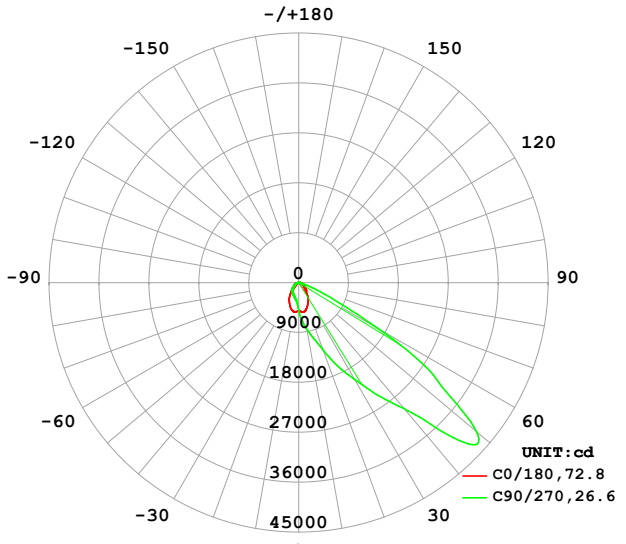
STREETLIGHT PHOTOMETRIC TEST REPORT

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:19759.2x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

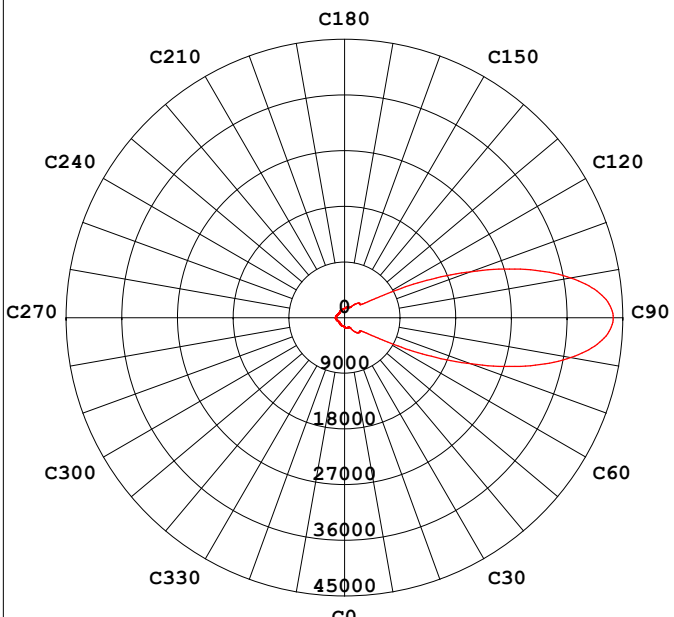
DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.22 lm/W			
MODEL	/	Imax(cd)	43427	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	19759	η house_up(%)	0.0
NOMINAL FLUX(lm)	19759.2	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):49.7 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

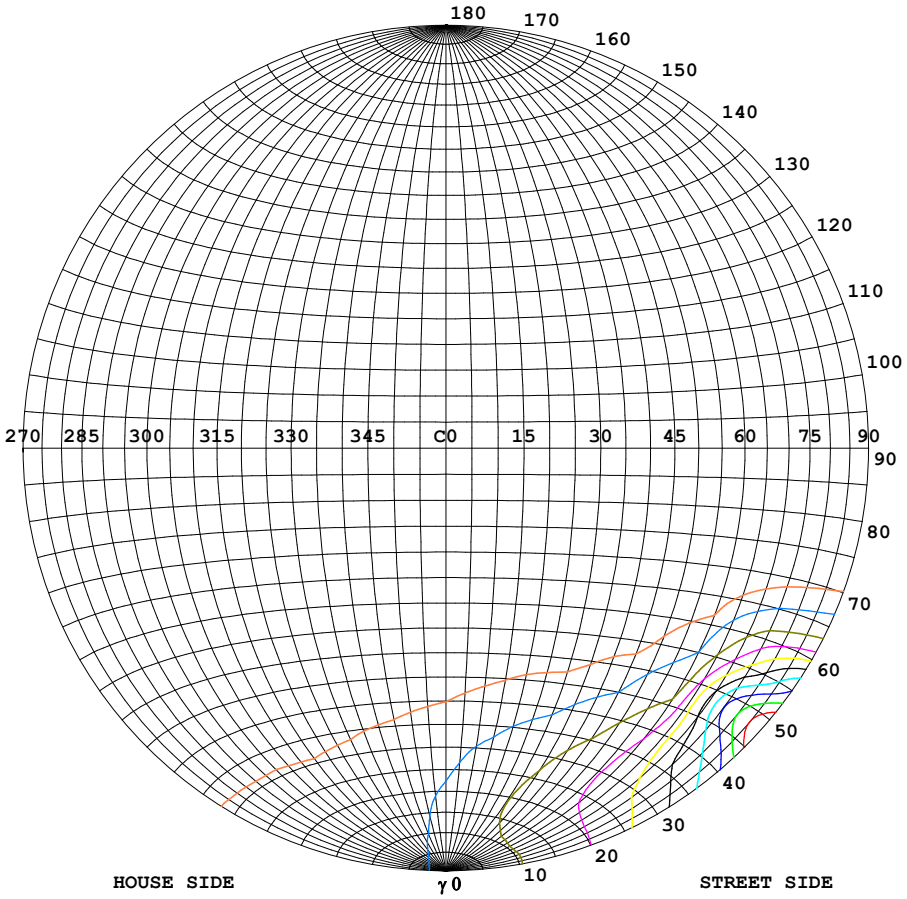


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

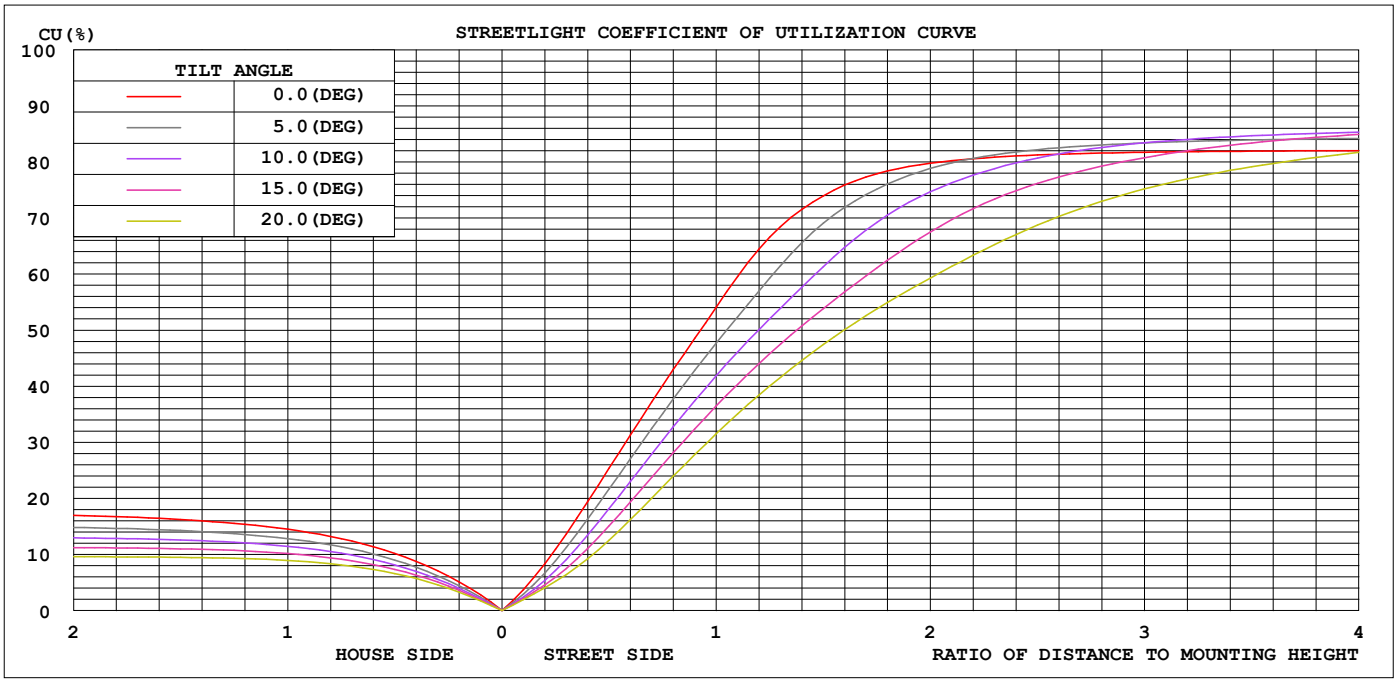
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

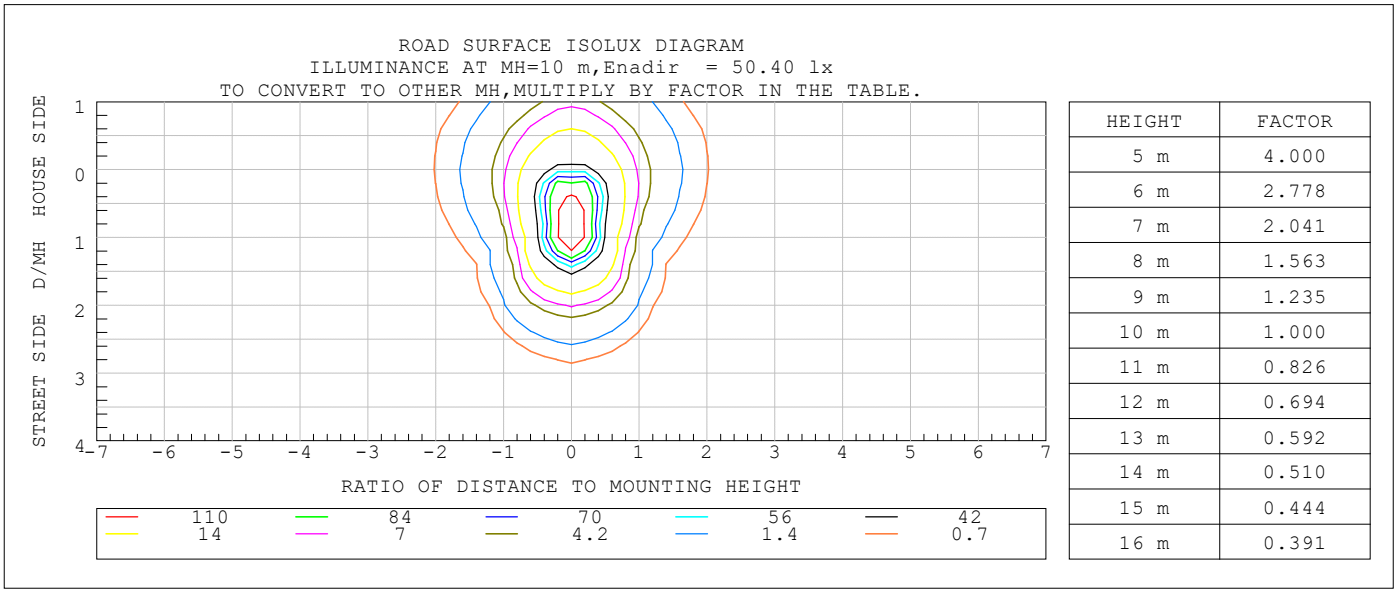
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	43427
90%	39084
80%	34742
70%	30399
60%	26056
50%	21714
40%	17371
30%	13028
20%	8685
10%	4343
5%	2171

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:

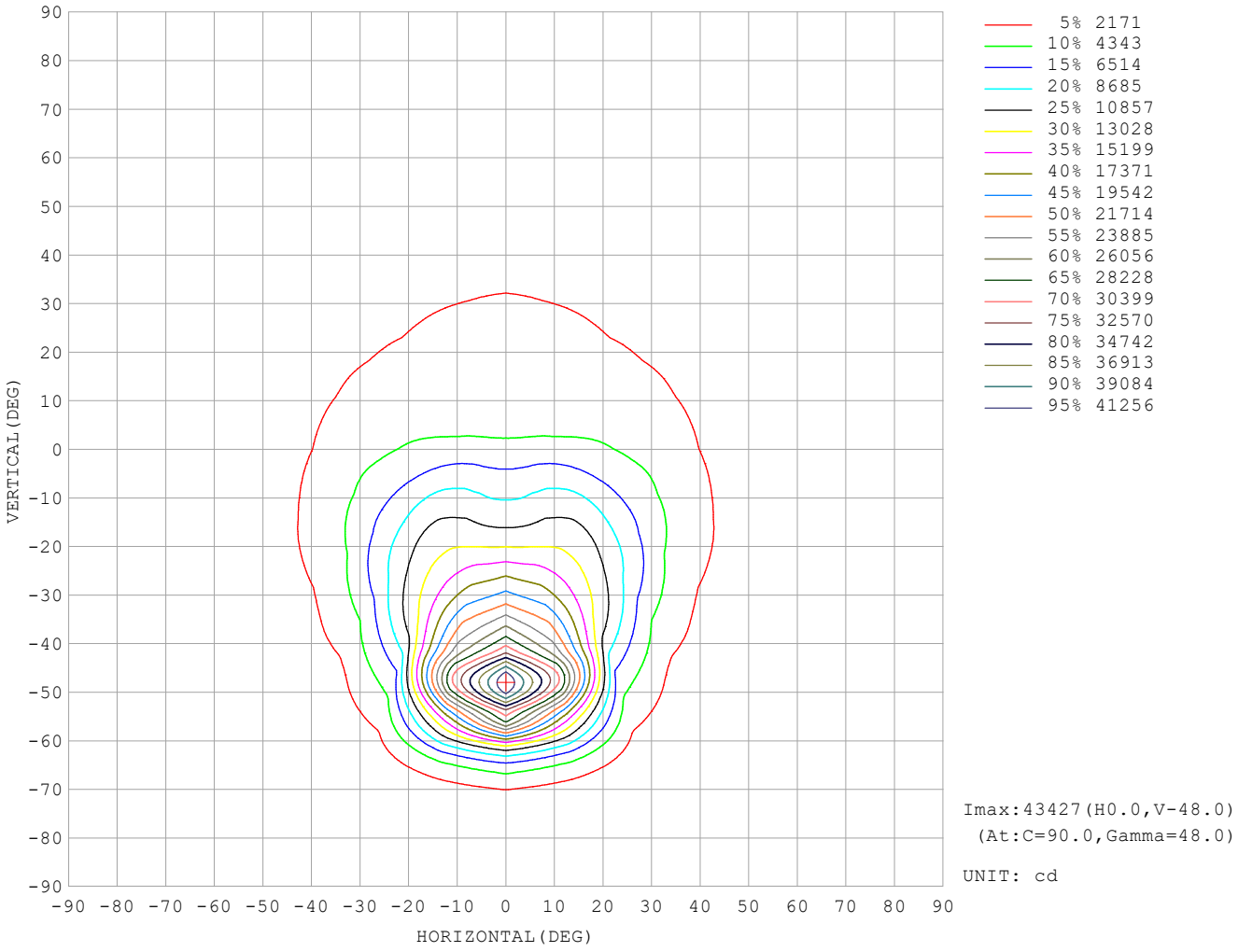
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	536.2	818.1	853.1	818.1	536.2	341.5	317.3	341.5	0- 10	513.8	513.8	2.6,2.6
20	459.5	1082	1295	1082	459.5	284.3	260.9	284.3	10- 20	1739	2253	11.4,11.4
30	351.4	1024	2013	1024	351.4	222.7	227.4	222.7	20- 30	3076	5328	27,27
40	214.8	654.8	2981	654.8	214.8	170.2	185.5	170.2	30- 40	4113	9441	47.8,47.8
50	145.9	291.2	4192	291.2	145.9	114.6	140.4	114.6	40- 50	4855	14296	72.3,72.3
60	93.67	99.57	1644	99.57	93.67	78.14	97.56	78.14	50- 60	3665	17960	90.9,90.9
70	55.77	39.79	223.6	39.79	55.77	40.90	43.69	40.90	60- 70	1355	19315	97.8,97.8
80	19.59	9.979	20.69	9.979	19.59	12.35	12.23	12.35	70- 80	383.8	19699	99.7,99.7
90	0.3576	0.1000	0.1569	0.1000	0.3576	0.6541	3.007	0.6541	80- 90	60.45	19759	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:

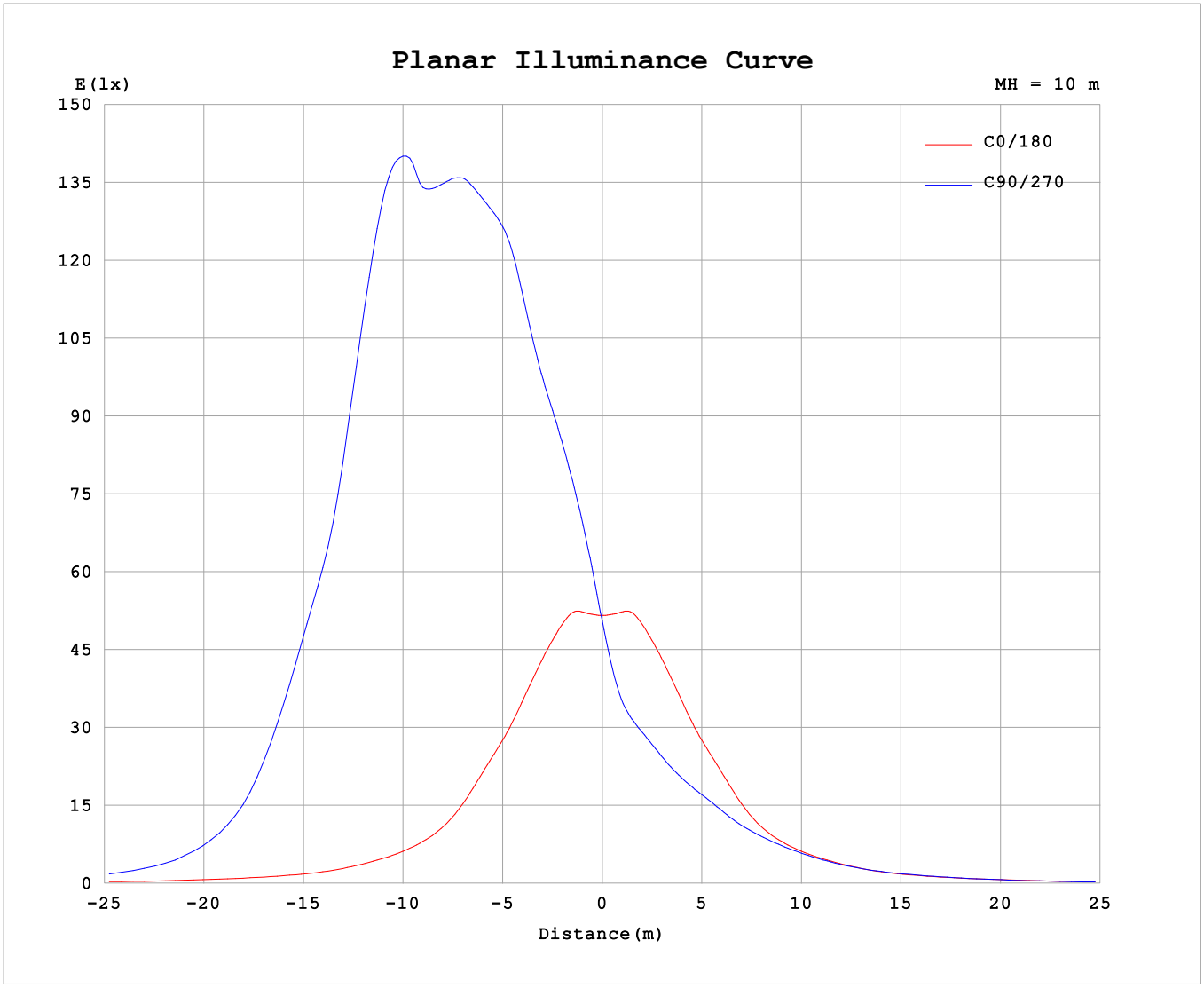
ISOCANDELA DIAGRAM



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



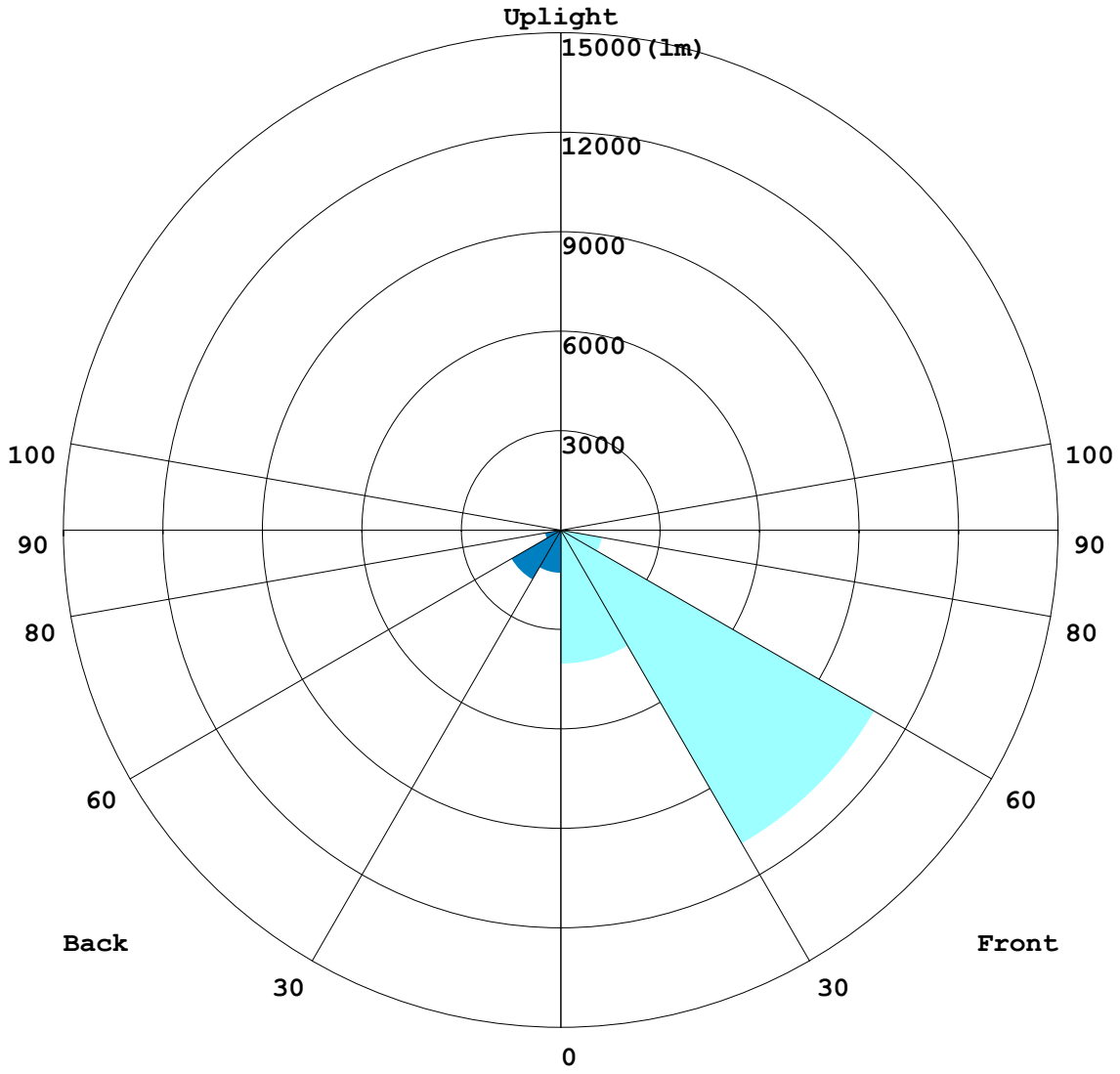
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:19759.2x1 lm		
NAME: FL72-300(150W)-F04802-G9	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:19759.2x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4031.3	20.4
FM - Front-Medium(30-60)	10919	55.3
FH - Front-High(60-80)	1260.7	6.4
FVH - Front-Very High(80-90)	29.984	0.2
Total Forward Light	16241	82.2
BL - Back-Low(0-30)	1296.9	6.6
BM - Back-Medium(30-60)	1713.5	8.7
BH - Back-High(60-80)	477.68	2.4
BVH - Back-Very High(80-90)	30.47	0.2
Total Back Light	3518.6	17.8
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-G1

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3518.6	0	3518.6
Street Side	16241	0	16241

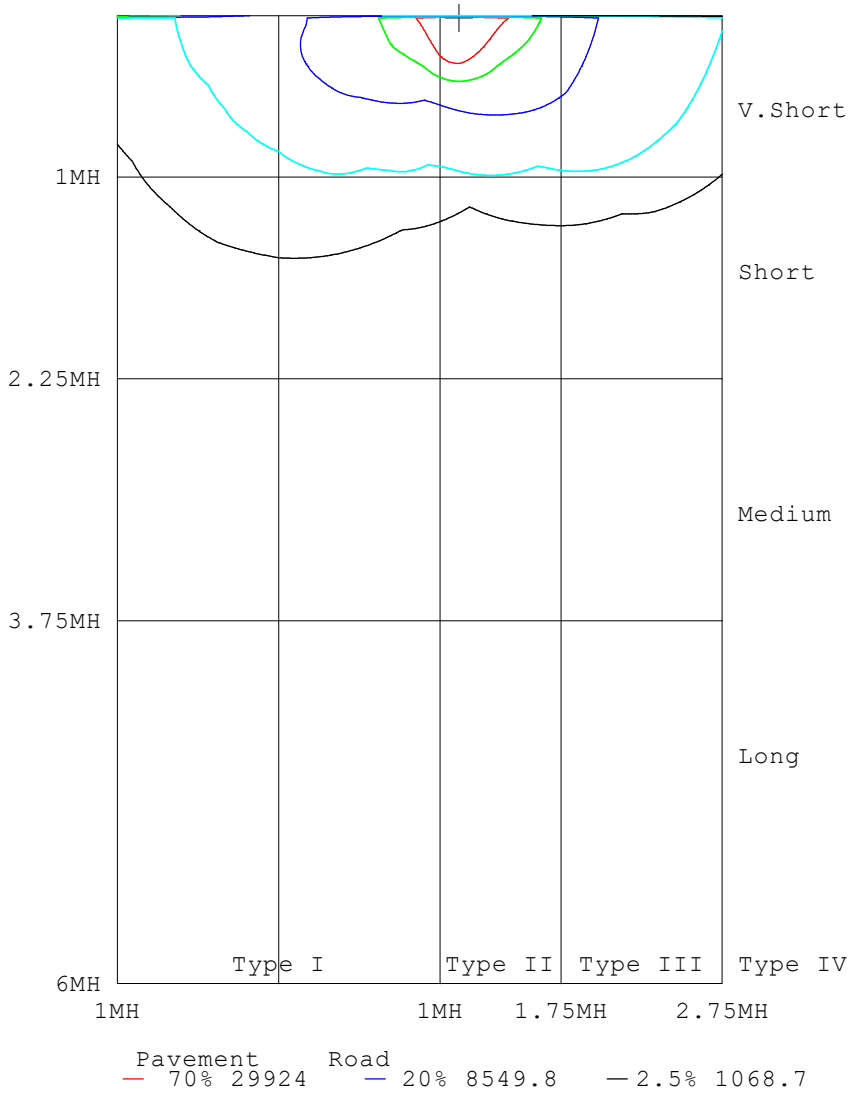
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:19759.2x1 lm		
NAME: FL72-300(150W)-F04802-G9	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	516	502	504	503	505	503	505	503	505	503	504	502	516	502	504	503	505	503	505
5	528	562	609	642	667	676	683	676	667	642	609	562	528	469	433	402	383	370	368
10	536	635	747	818	849	848	853	848	849	818	747	635	536	432	374	342	326	318	317
15	506	651	840	978	1038	1033	1036	1033	1038	978	840	651	506	388	336	311	298	290	288
20	459	615	857	1082	1208	1263	1295	1263	1208	1082	857	615	459	351	309	284	270	263	261
25	402	550	798	1098	1333	1545	1658	1545	1333	1098	798	550	402	310	274	254	245	242	243
30	351	483	702	1024	1392	1798	2013	1798	1392	1024	702	483	351	271	237	223	223	223	227
35	279	377	560	879	1368	2080	2471	2080	1368	879	560	377	279	229	206	195	198	200	204
40	215	274	384	655	1226	2347	2981	2347	1226	655	384	274	215	188	175	170	166	178	185
45	176	213	267	433	940	2794	3962	2794	940	433	267	213	176	157	150	139	139	156	166
50	146	153	161	291	639	2885	4192	2885	639	291	161	153	146	132	127	115	116	130	140
55	113	116	119	152	433	1842	3031	1842	433	152	119	116	113	110	100	95.8	94.3	106	116
60	93.7	90.9	88.8	99.6	264	1073	1644	1073	264	99.6	88.8	90.9	93.7	89.4	80.7	78.1	75.8	86.7	97.6
65	74.5	72.0	64.9	63.4	149	443	600	443	149	63.4	64.9	72.0	74.5	75.9	64.2	58.8	55.6	64.0	72.3
70	55.8	49.3	46.0	39.8	79.7	158	224	158	79.7	39.8	46.0	49.3	55.8	57.1	49.3	40.9	37.1	39.1	43.7
75	40.7	35.6	51.4	21.4	34.7	52.6	70.2	52.6	34.7	21.4	51.4	35.6	40.7	38.9	34.0	25.5	22.3	23.4	25.7
80	19.6	16.3	16.5	9.98	11.6	14.7	20.7	14.7	11.6	9.98	16.5	16.3	19.6	22.3	16.9	12.3	11.5	11.4	12.2
85	7.96	4.08	10.5	2.29	1.88	2.51	3.85	2.51	1.88	2.29	10.5	4.08	7.96	4.54	3.73	3.21	3.30	3.88	4.46
90	0.36	0.09	0.10	0.10	0.11	0.14	0.16	0.14	0.11	0.10	0.10	0.09	0.36	0.58	0.55	0.65	1.26	2.35	3.01

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	503	505	503	504	502														
5	370	383	402	433	469														
10	318	326	342	374	432														
15	290	298	311	336	388														
20	263	270	284	309	351														
25	242	245	254	274	310														
30	223	223	223	237	271														
35	200	198	195	206	229														
40	178	166	170	175	188														
45	156	139	139	150	157														
50	130	116	115	127	132														
55	106	94.3	95.8	100	110														
60	86.7	75.8	78.1	80.7	89.4														
65	64.0	55.6	58.8	64.2	75.9														
70	39.1	37.1	40.9	49.3	57.1														
75	23.4	22.3	25.5	34.0	38.9														
80	11.4	11.5	12.3	16.9	22.3														
85	3.88	3.30	3.21	3.73	4.54														
90	2.35	1.26	0.65	0.55	0.58														

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: