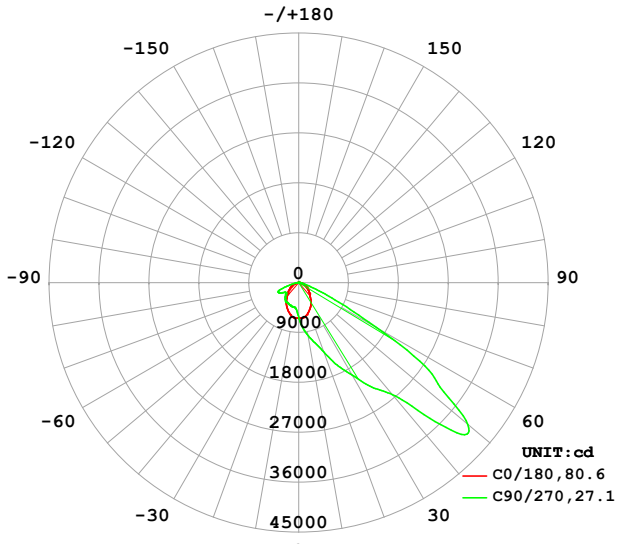
STREETLIGHT PHOTOMETRIC TEST REPORT

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:24045.2x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

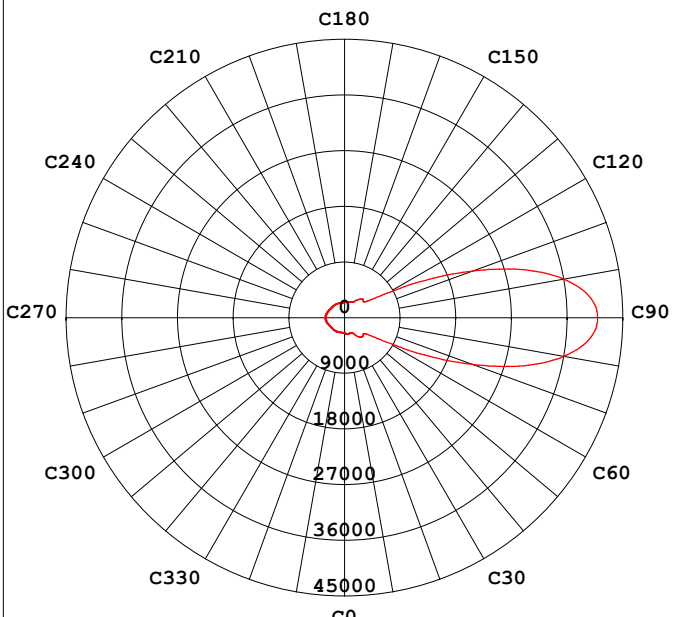
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 156.04 lm/W	
MODEL	/	Imax(cd)	40897	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	24045	η house_up(%)	0.0
NOMINAL FLUX(lm)	24045.2	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 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

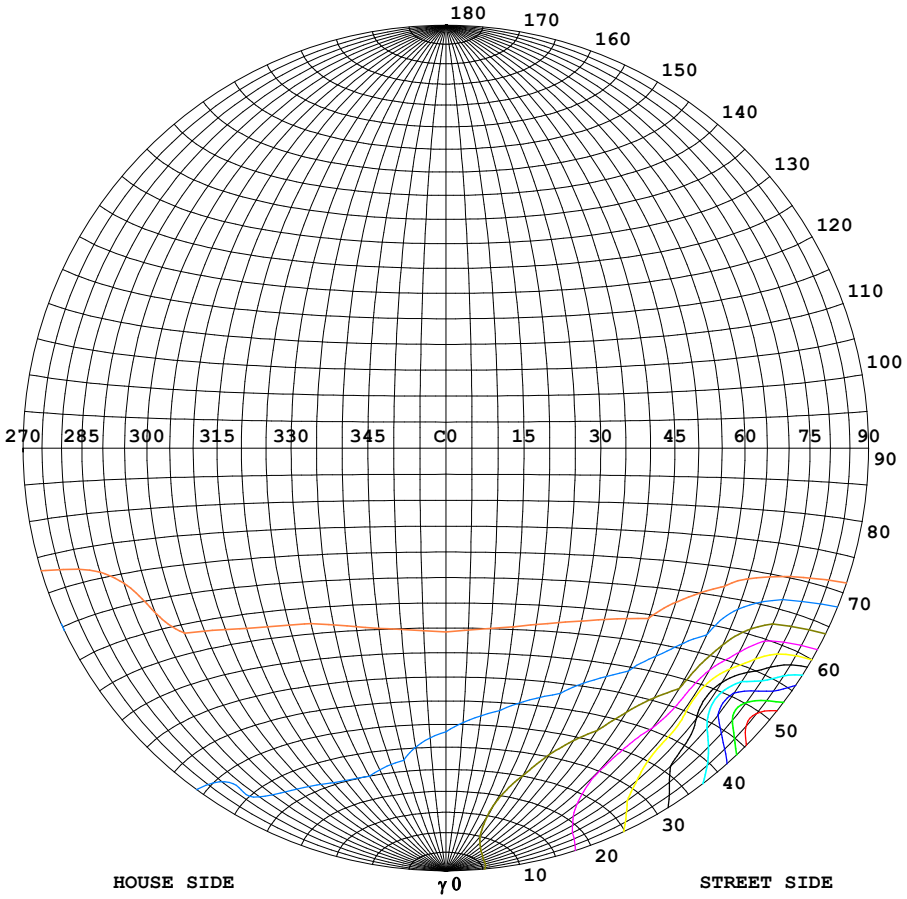


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

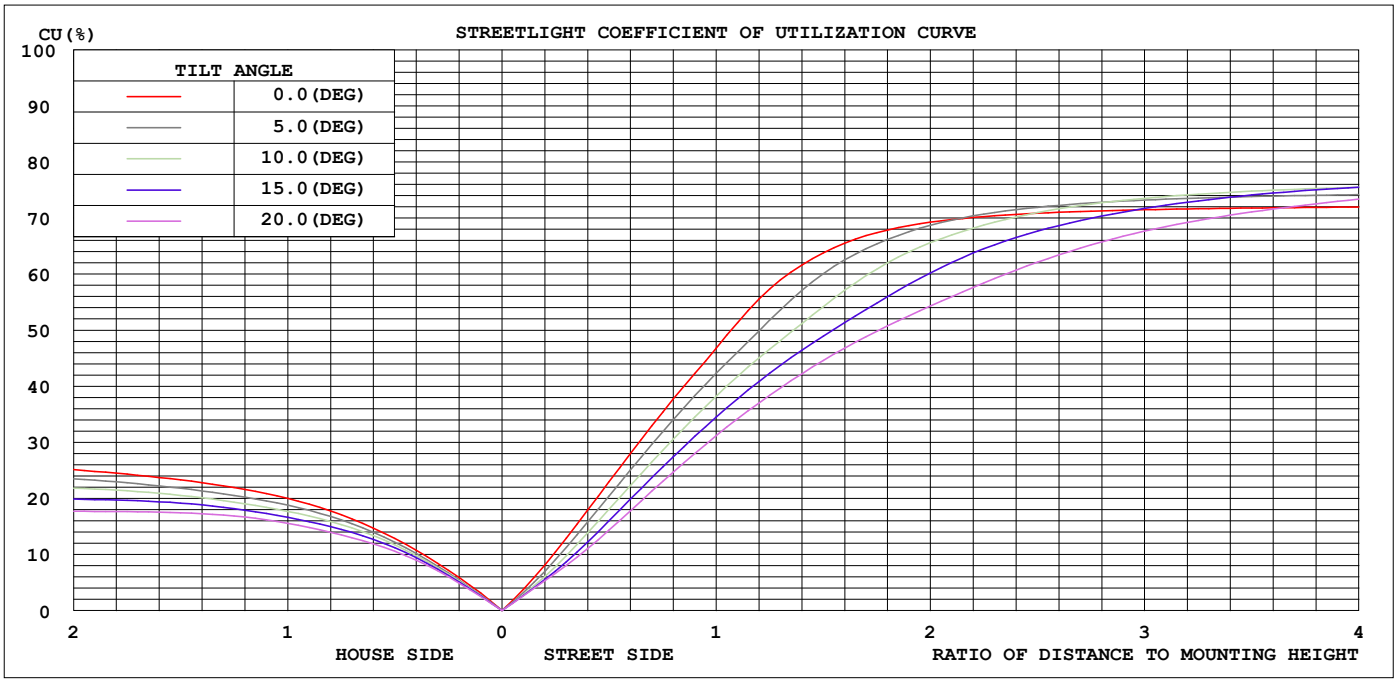
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

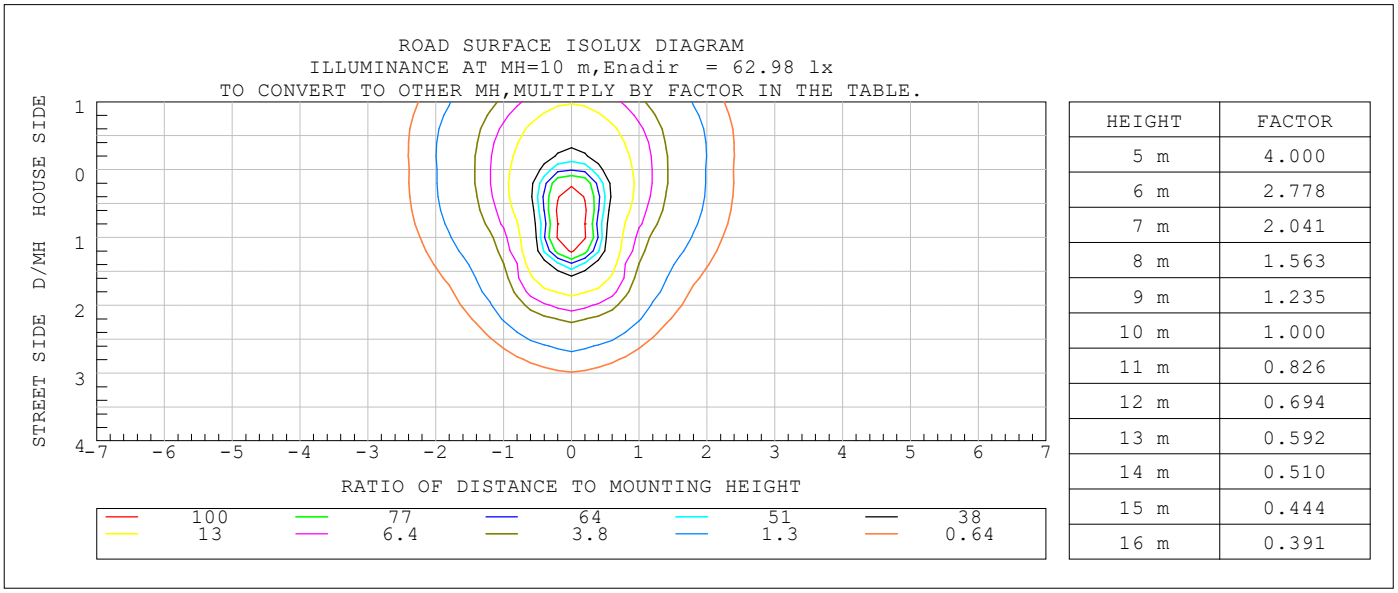
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	40897
90%	36807
80%	32718
70%	28628
60%	24538
50%	20448
40%	16359
30%	12269
20%	8179
10%	4090
5%	2045

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:

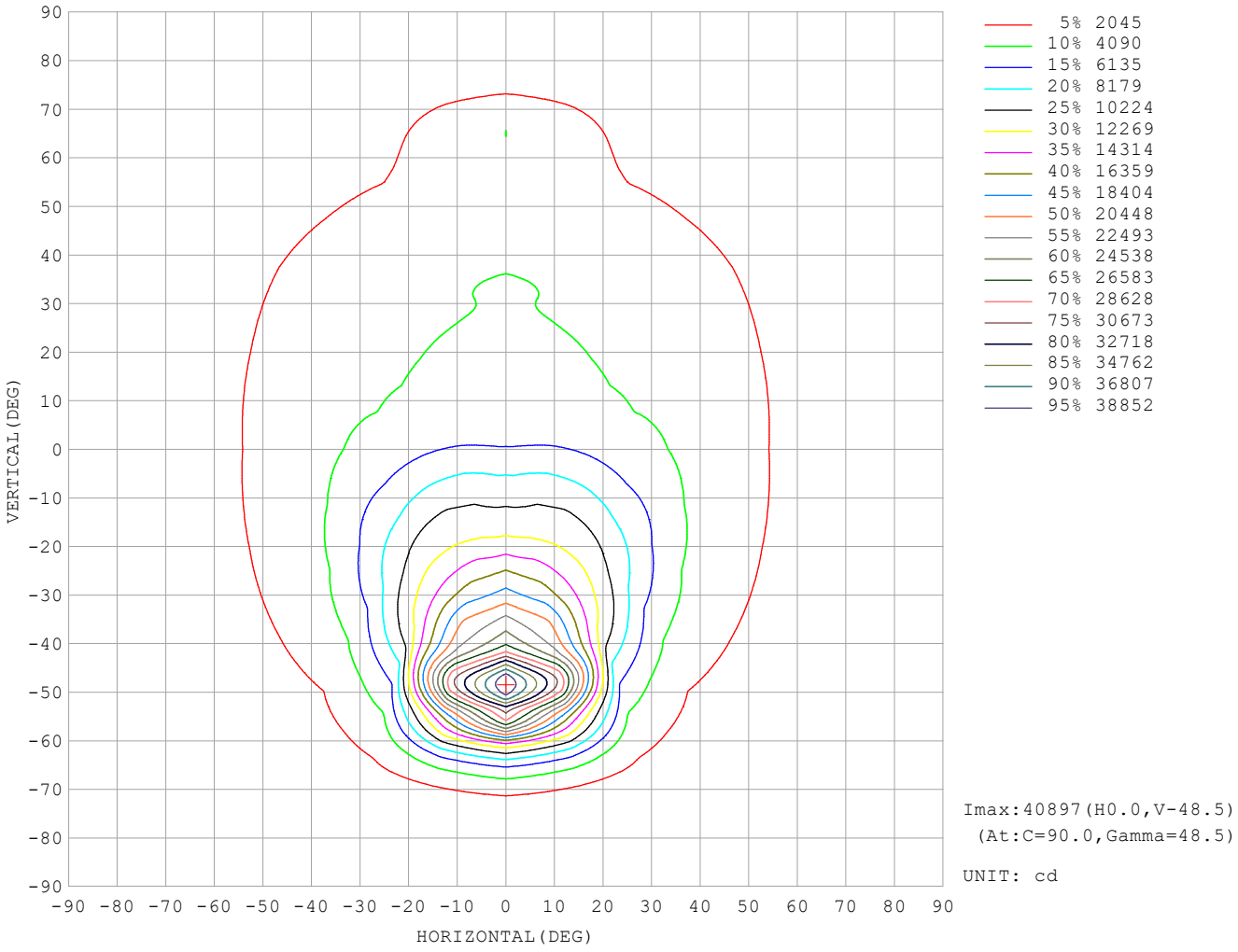
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	634.0	895.4	967.1	895.4	634.0	465.9	455.0	465.9	0- 10	624.0	624.0	2.6,2.6
20	549.2	1046	1334	1046	549.2	431.3	441.2	431.3	10- 20	1992	2616	10.9,10.9
30	450.4	1002	1921	1002	450.4	384.3	418.4	384.3	20- 30	3416	6032	25.1,25.1
40	325.4	705.7	2638	705.7	325.4	328.4	380.4	328.4	30- 40	4599	10630	44.2,44.2
50	241.2	390.9	3981	390.9	241.2	256.8	306.6	256.8	40- 50	5501	16131	67.1,67.1
60	163.8	196.4	1619	196.4	163.8	186.0	378.7	186.0	50- 60	4598	20729	86.2,86.2
70	91.92	106.4	270.4	106.4	91.92	103.0	330.4	103.0	60- 70	2302	23030	95.8,95.8
80	28.58	30.89	41.64	30.89	28.58	28.16	47.89	28.16	70- 80	863.0	23893	99.4,99.4
90	0.6087	0.1822	0.2941	0.1822	0.6087	1.277	3.385	1.277	80- 90	151.7	24045	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:

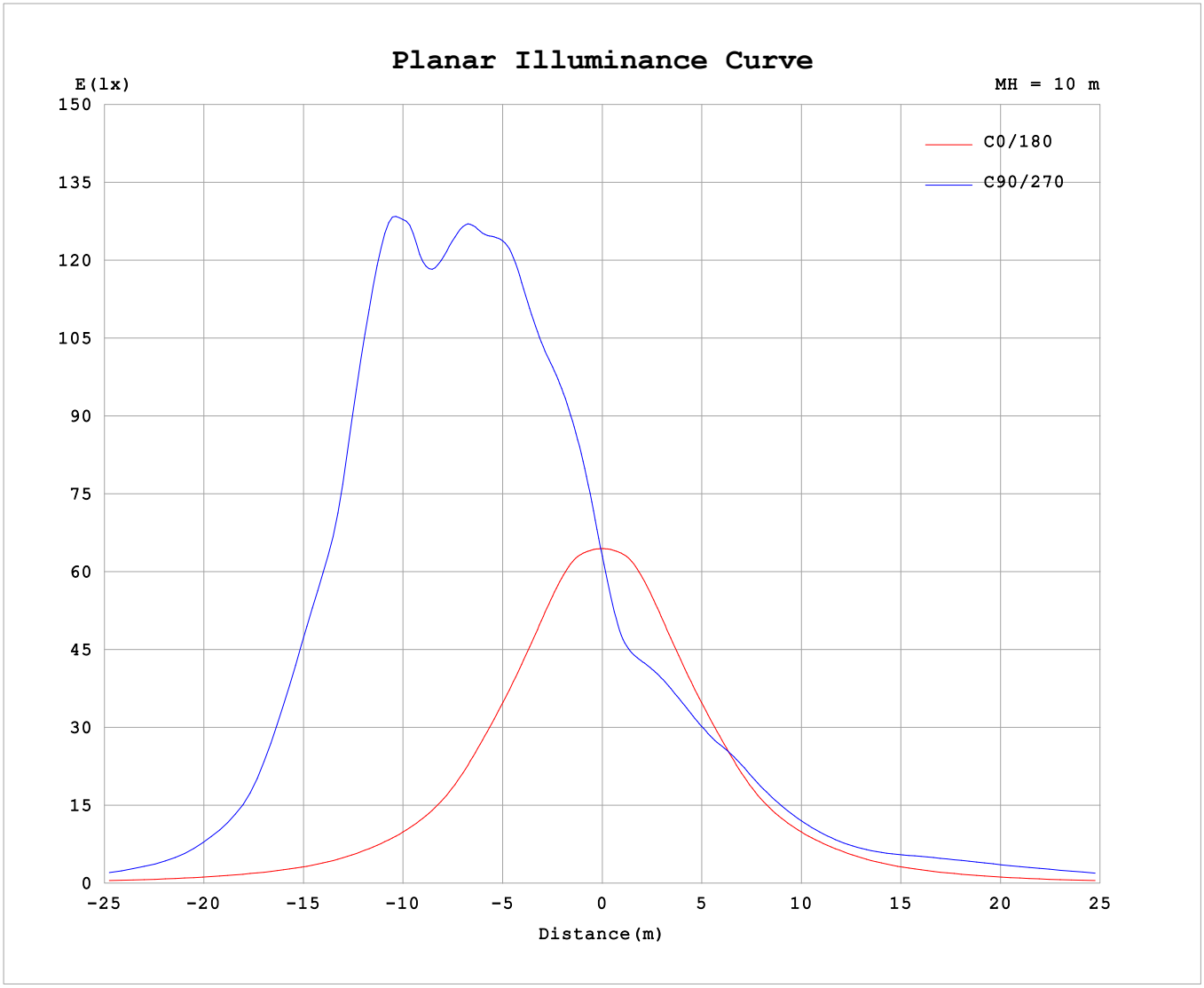
ISOCANDELA DIAGRAM



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



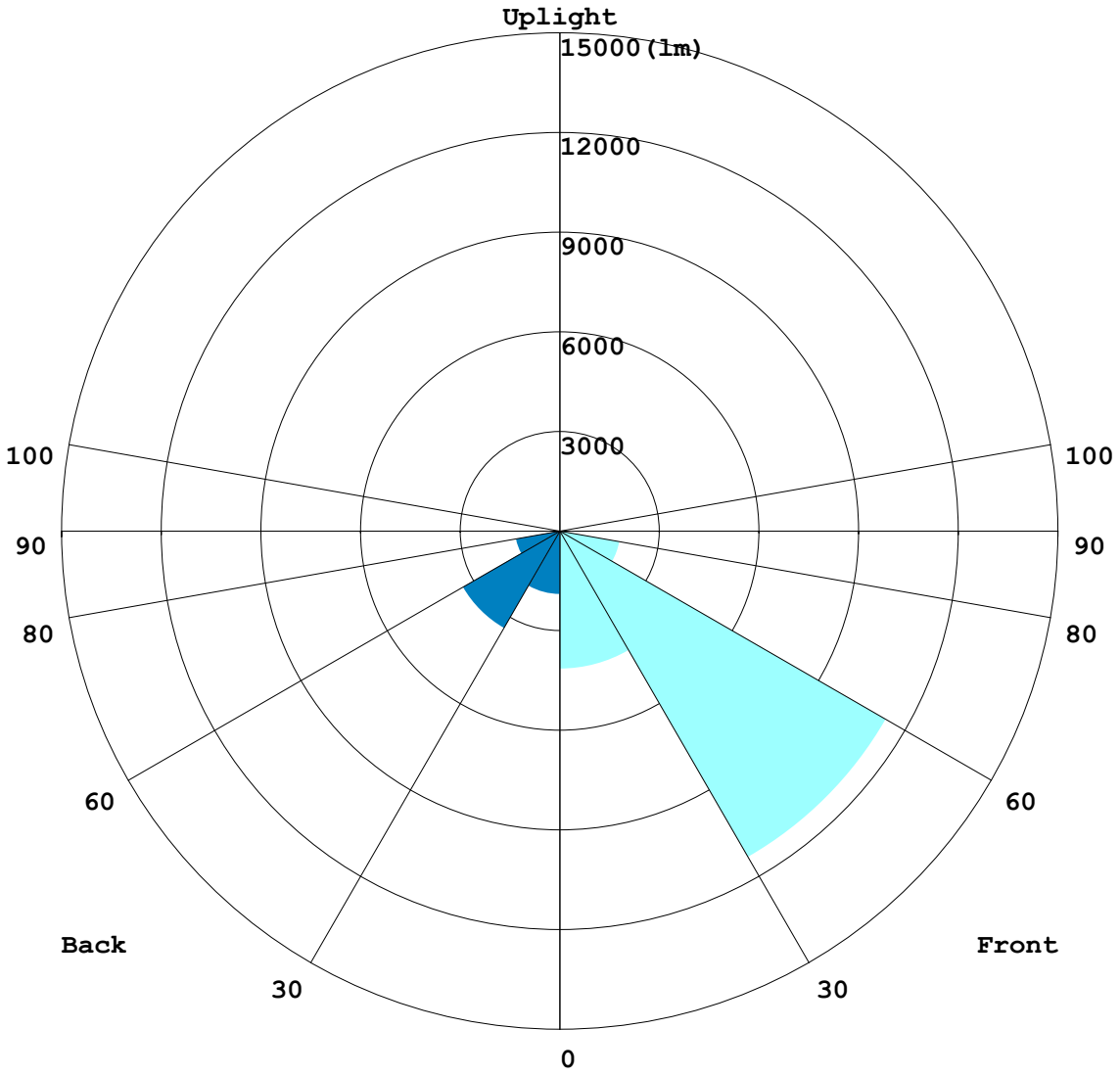
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:24045.2x1 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:24045.2x1 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)	4139.3	17.2
FM - Front-Medium(30-60)	11332	47.1
FH - Front-High(60-80)	1822.9	7.6
FVH - Front-Very High(80-90)	93.898	0.4
Total Forward Light	17388	72.3
BL - Back-Low(0-30)	1892.6	7.9
BM - Back-Medium(30-60)	3365.2	14.0
BH - Back-High(60-80)	1341.8	5.6
BVH - Back-Very High(80-90)	57.834	0.2
Total Back Light	6657.4	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	6657.4	0	6657.4
Street Side	17388	0	17388

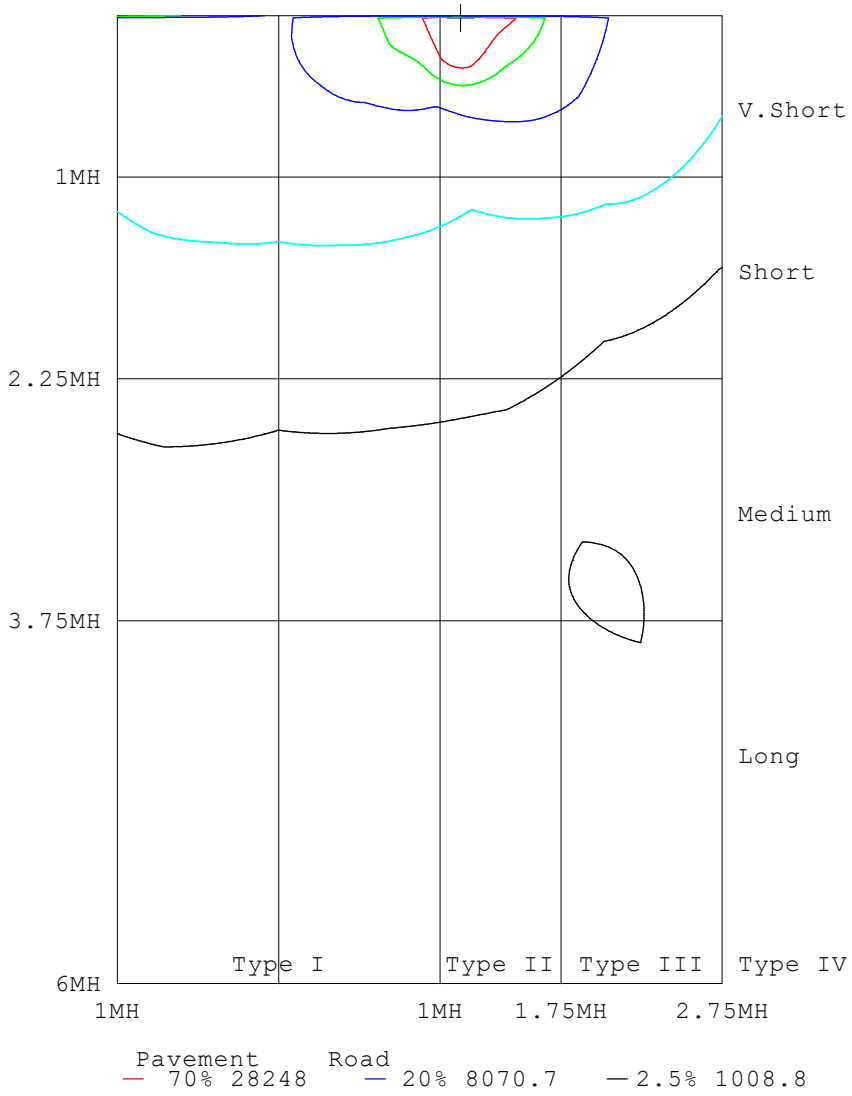
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:24045.2x1 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	645	630	631	629	631	628	631	628	631	629	631	630	645	630	631	629	631	628	631
5	645	677	725	761	788	797	808	797	788	761	725	677	645	589	555	525	507	494	493
10	634	715	818	895	941	953	967	953	941	895	818	715	634	546	494	466	456	454	455
15	597	715	869	988	1066	1100	1120	1100	1066	988	869	715	597	497	457	446	446	449	451
20	549	676	869	1046	1166	1273	1334	1273	1166	1046	869	676	549	460	434	431	436	439	441
25	501	622	817	1055	1259	1507	1642	1507	1259	1055	817	622	501	426	409	411	417	423	427
30	450	558	735	1002	1328	1718	1921	1718	1328	1002	735	558	450	390	382	384	393	407	418
35	387	471	622	881	1326	1986	2301	1986	1326	881	622	471	387	351	351	356	376	401	416
40	325	380	478	706	1235	2164	2638	2164	1235	706	478	380	325	309	317	328	346	363	380
45	280	317	372	521	999	2624	3616	2624	999	521	372	317	280	273	284	298	303	328	341
50	241	252	273	391	717	2939	3981	2939	717	391	273	252	241	240	253	257	268	292	307
55	198	208	224	256	517	1900	2990	1900	517	256	224	208	198	206	219	221	231	264	310
60	164	171	184	196	347	1181	1619	1181	347	196	184	171	164	171	180	186	193	268	379
65	128	135	140	148	234	529	666	529	234	148	140	135	128	144	142	146	154	270	410
70	91.9	95.1	104	106	140	211	270	211	140	106	104	95.1	91.9	102	103	103	112	220	330
75	61.9	72.0	98.8	64.0	72.8	85.6	109	85.6	72.8	64.0	98.8	72.0	61.9	62.9	62.7	62.5	67.2	116	147
80	28.6	39.0	58.2	30.9	32.7	30.6	41.6	30.6	32.7	30.9	58.2	39.0	28.6	28.1	28.8	28.2	30.5	40.7	47.9
85	9.24	23.2	41.9	9.87	7.40	7.38	8.83	7.38	7.40	9.87	41.9	23.2	9.24	6.53	6.75	6.45	6.87	8.13	9.09
90	0.61	0.16	0.17	0.18	0.22	0.27	0.29	0.27	0.22	0.18	0.17	0.16	0.61	1.08	1.13	1.28	1.83	2.79	3.38

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	628	631	629	631	630														
5	494	507	525	555	589														
10	454	456	466	494	546														
15	449	446	446	457	497														
20	439	436	431	434	460														
25	423	417	411	409	426														
30	407	393	384	382	390														
35	401	376	356	351	351														
40	363	346	328	317	309														
45	328	303	298	284	273														
50	292	268	257	253	240														
55	264	231	221	219	206														
60	268	193	186	180	171														
65	270	154	146	142	144														
70	220	112	103	103	102														
75	116	67.2	62.5	62.7	62.9														
80	40.7	30.5	28.2	28.8	28.1														
85	8.13	6.87	6.45	6.75	6.53														
90	2.79	1.83	1.28	1.13	1.08														

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: