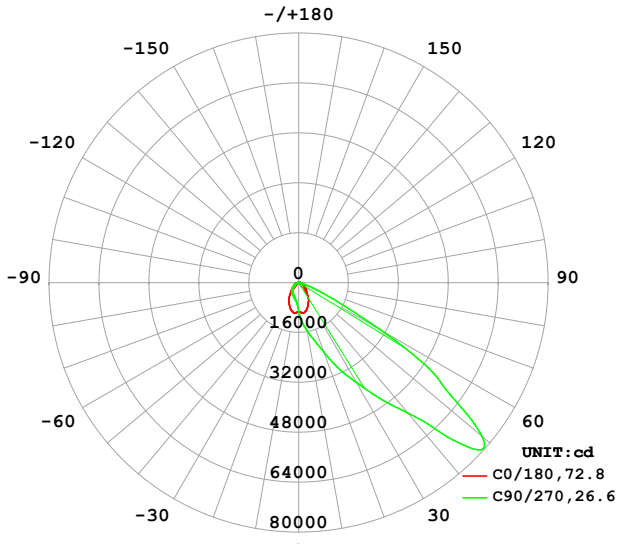
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36217.1x1 lm		
NAME: FL72-300(300W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

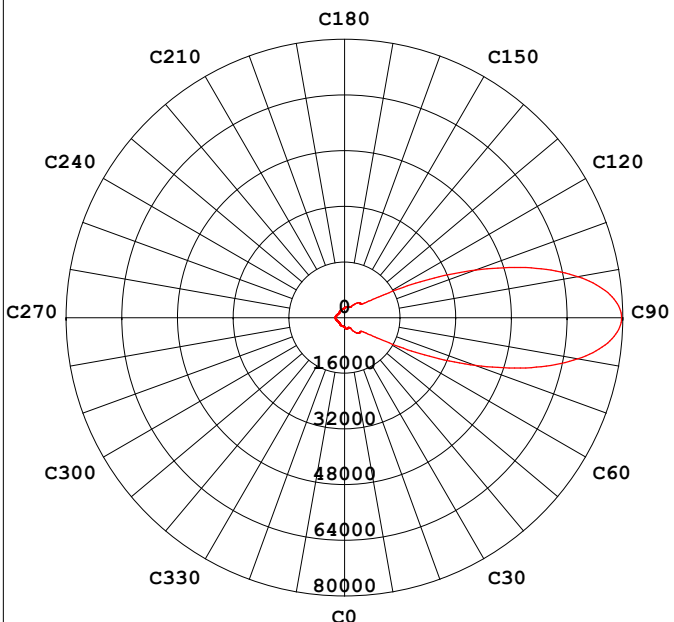
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 120.28 lm/W	
MODEL	/	Imax(cd)	79598	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	36217	η house_up(%)	0.0
NOMINAL FLUX(lm)	36217.1	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 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

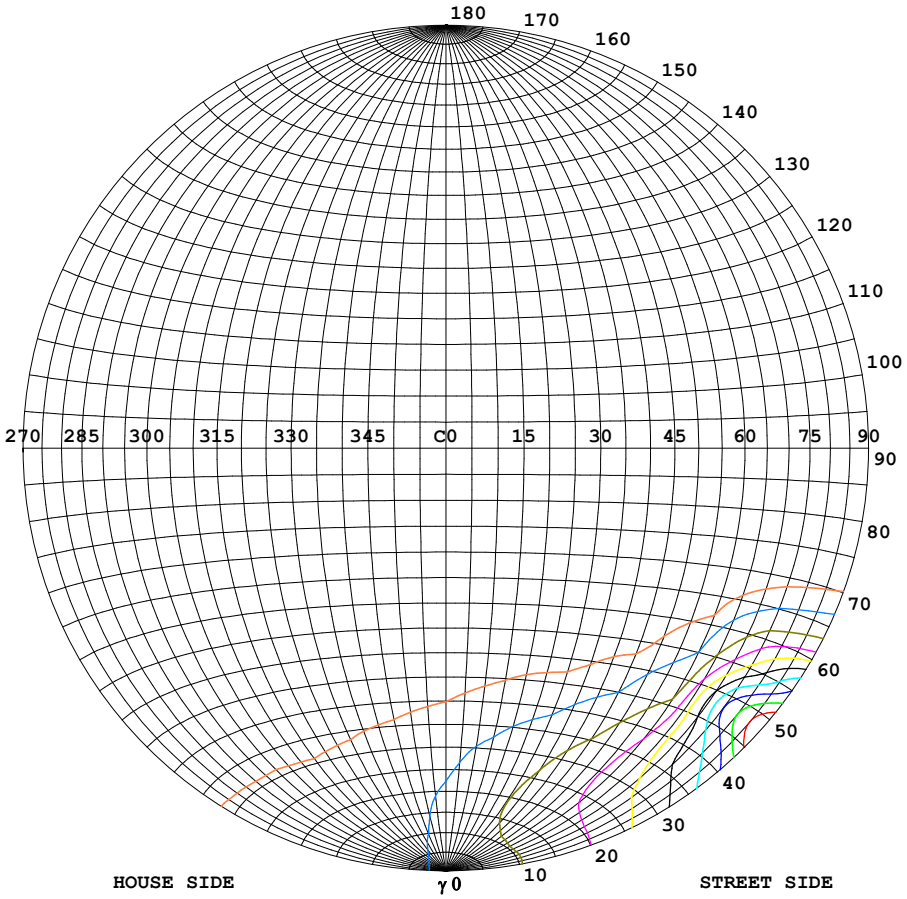


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

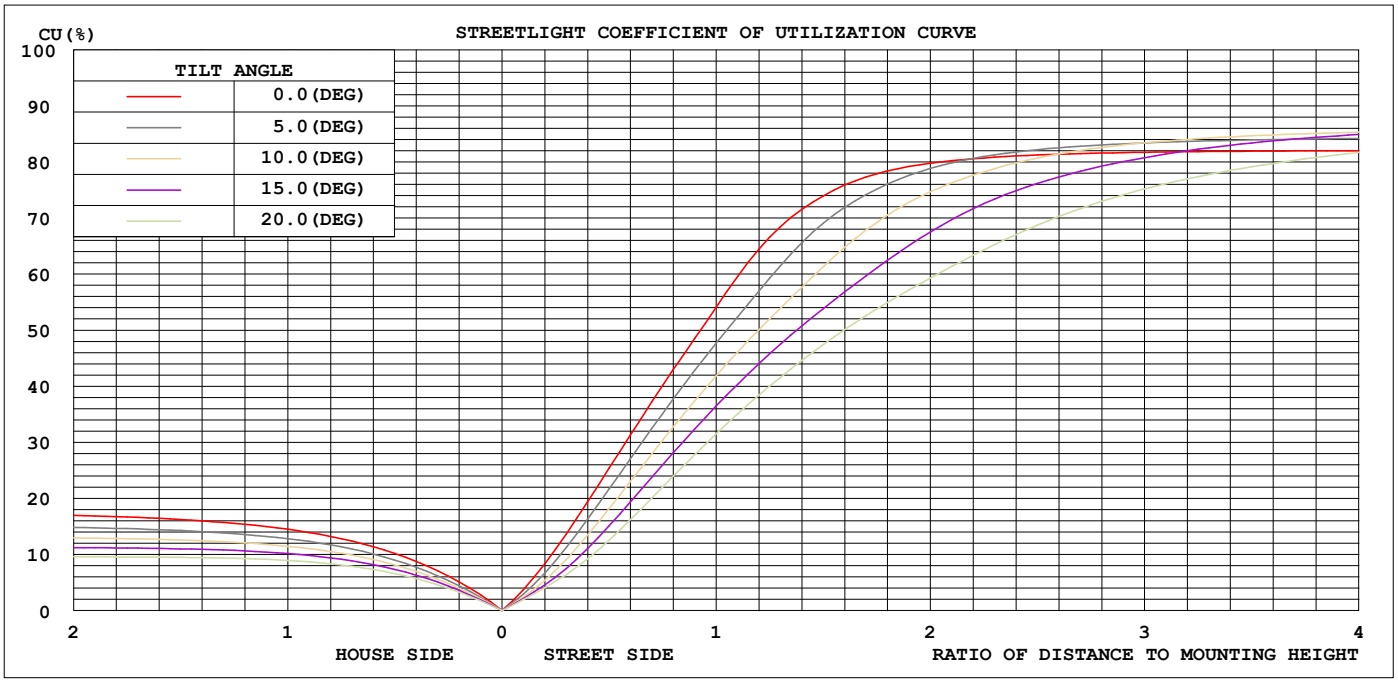
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

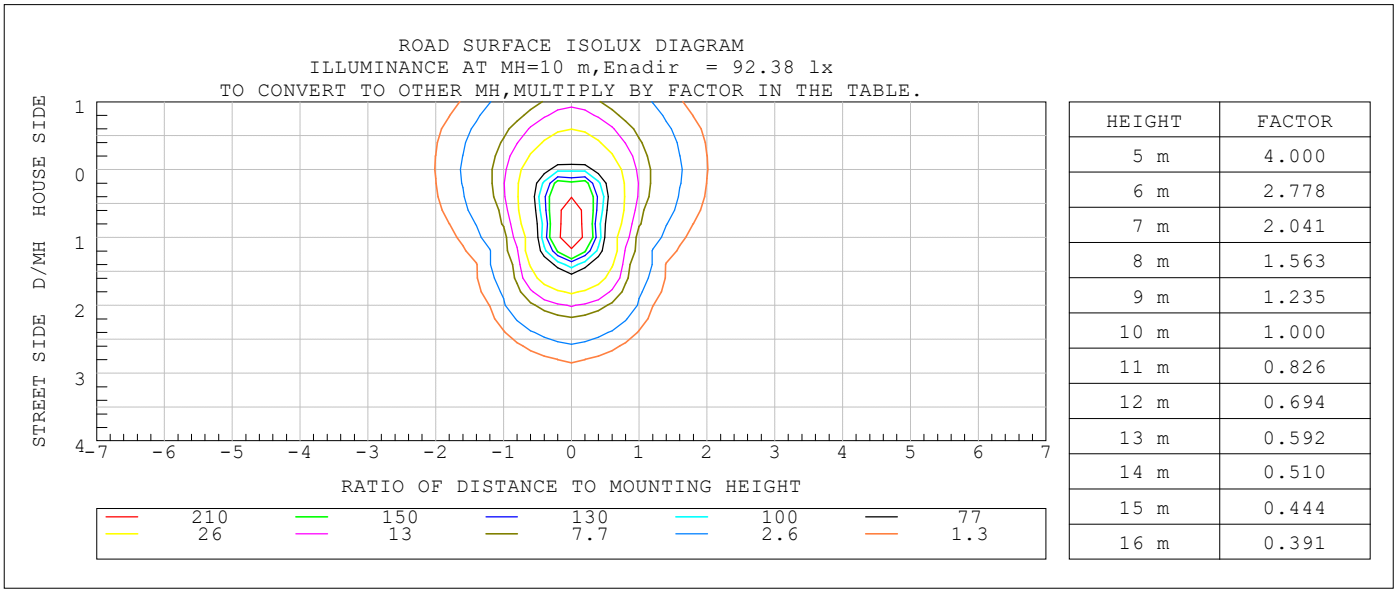
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	79598
90%	71638
80%	63679
70%	55719
60%	47759
50%	39799
40%	31839
30%	23879
20%	15920
10%	7960
5%	3980

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:

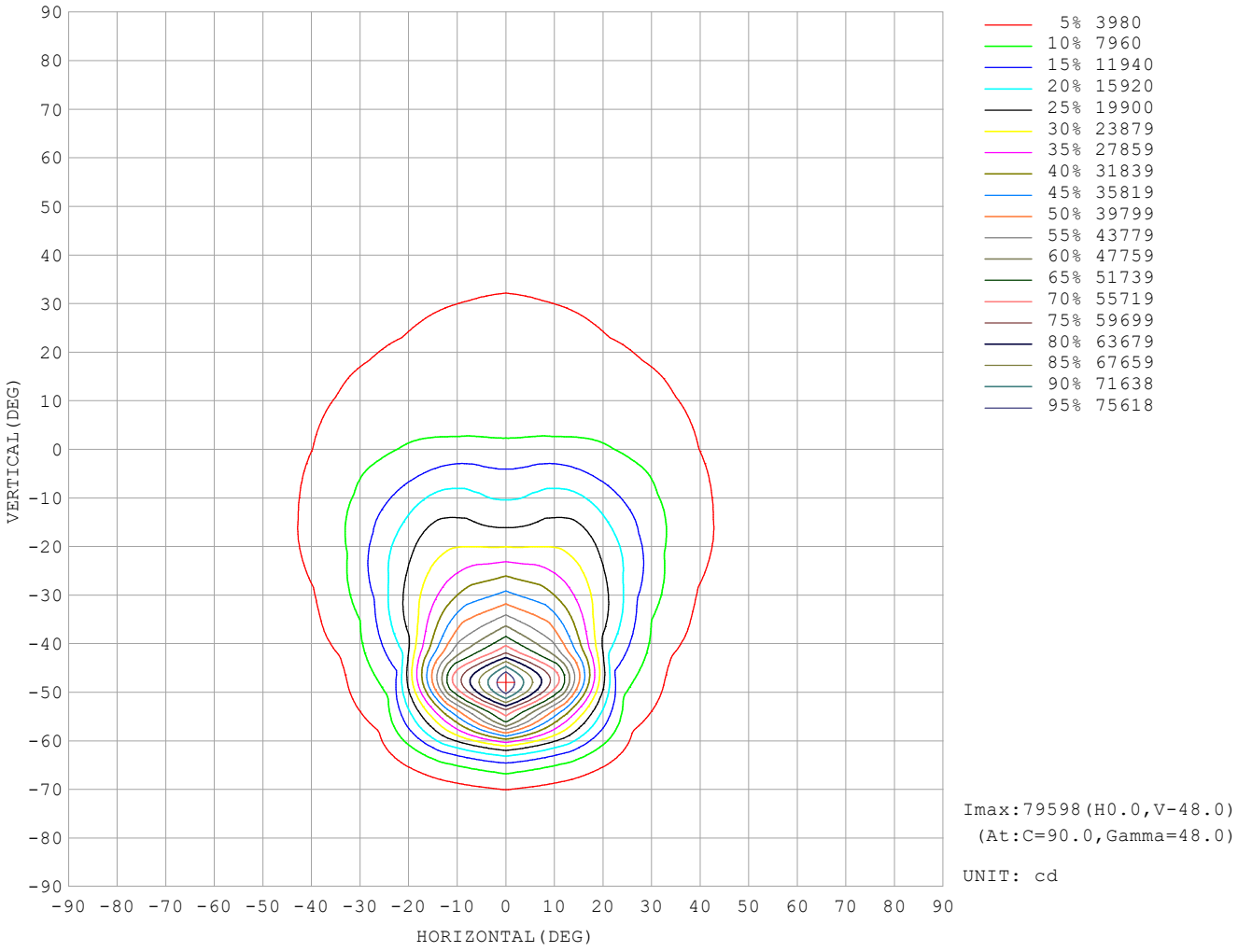
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	982.8	1499	1564	1499	982.8	626.0	581.6	626.0	0- 10	941.8	941.8	2.6,2.6
20	842.2	1984	2373	1984	842.2	521.2	478.2	521.2	10- 20	3187	4129	11.4,11.4
30	644.1	1878	3691	1878	644.1	408.2	416.9	408.2	20- 30	5637	9766	27,27
40	393.7	1200	5464	1200	393.7	312.0	340.0	312.0	30- 40	7538	17304	47.8,47.8
50	267.4	533.8	7684	533.8	267.4	210.0	257.3	210.0	40- 50	8898	26203	72.3,72.3
60	171.7	182.5	3013	182.5	171.7	143.2	178.8	143.2	50- 60	6717	32920	90.9,90.9
70	102.2	72.93	409.8	72.93	102.2	74.96	80.09	74.96	60- 70	2483	35403	97.8,97.8
80	35.91	18.29	37.92	18.29	35.91	22.63	22.43	22.63	70- 80	703.5	36106	99.7,99.7
90	0.6555	0.1832	0.2877	0.1832	0.6555	1.199	5.511	1.199	80- 90	110.8	36217	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:

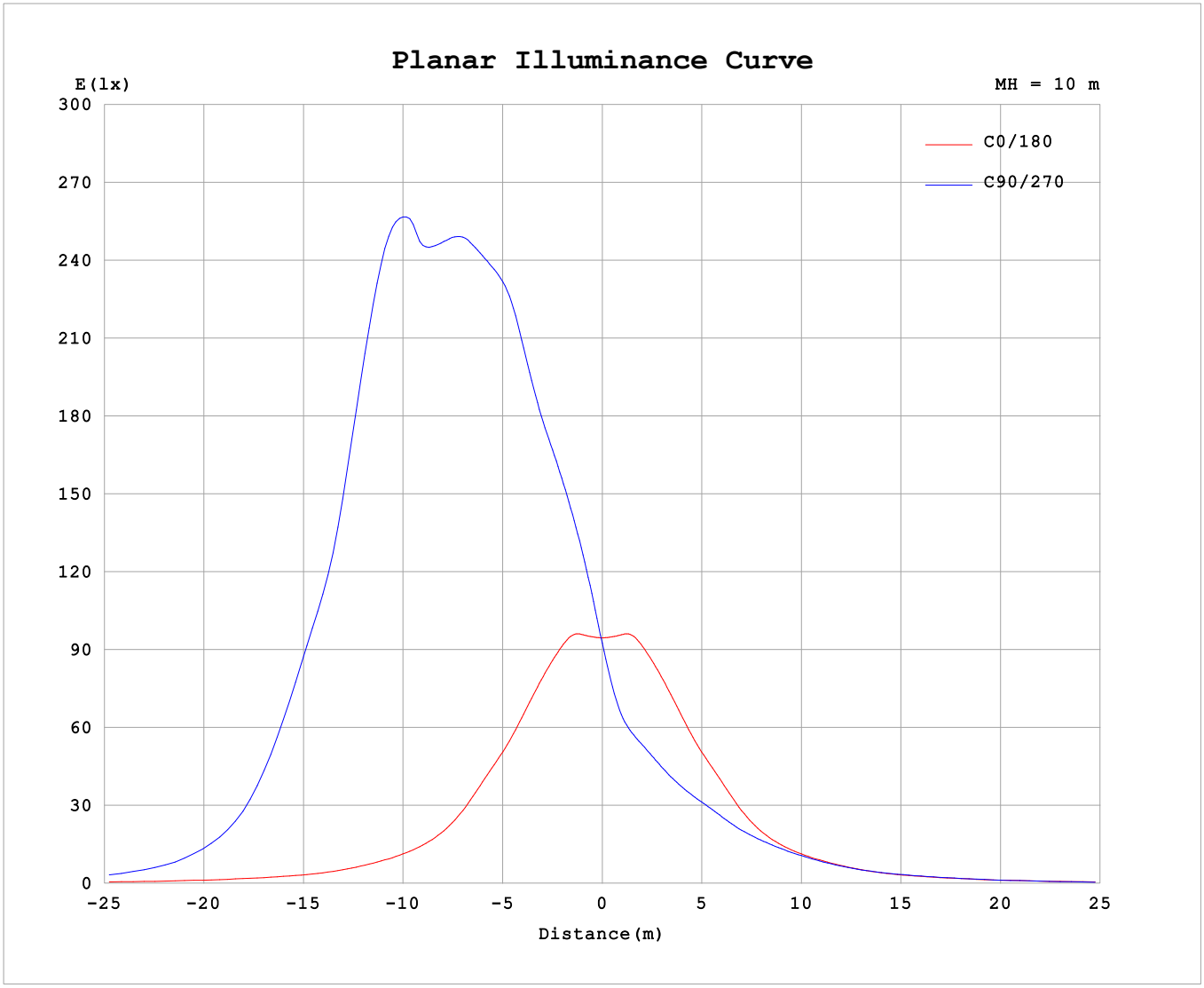
ISOCANDELA DIAGRAM



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



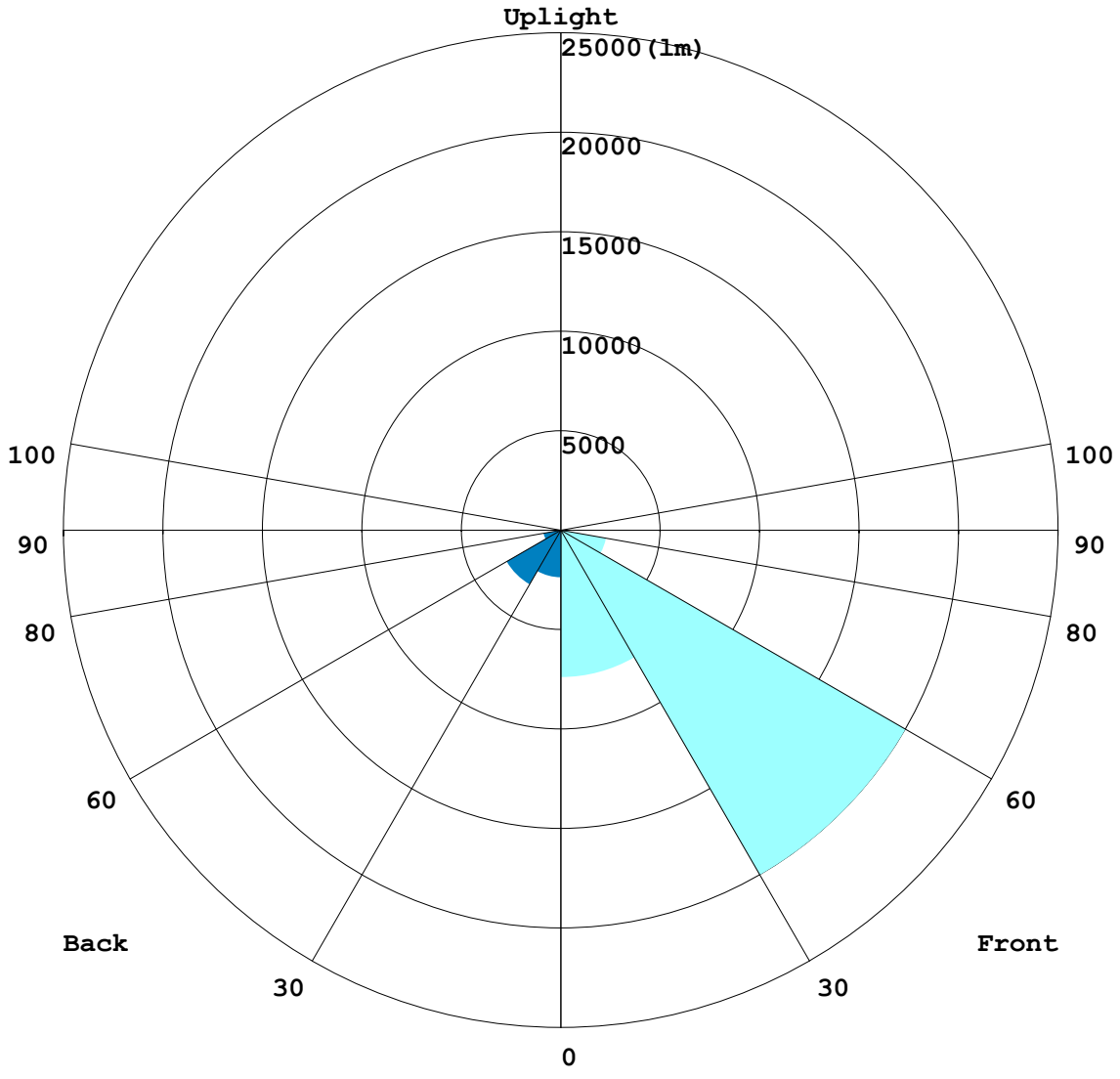
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36217.1x1 lm		
NAME: FL72-300(300W)-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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36217.1x1 lm		
NAME: FL72-300(300W)-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)	7389.1	20.4
FM - Front-Medium(30-60)	20013	55.3
FH - Front-High(60-80)	2310.8	6.4
FVH - Front-Very High(80-90)	54.959	0.2
Total Forward Light	29768	82.2
BL - Back-Low(0-30)	2377.2	6.6
BM - Back-Medium(30-60)	3140.7	8.7
BH - Back-High(60-80)	875.56	2.4
BVH - Back-Very High(80-90)	55.85	0.2
Total Back Light	6449.2	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-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6449.2	0	6449.2
Street Side	29768	0	29768

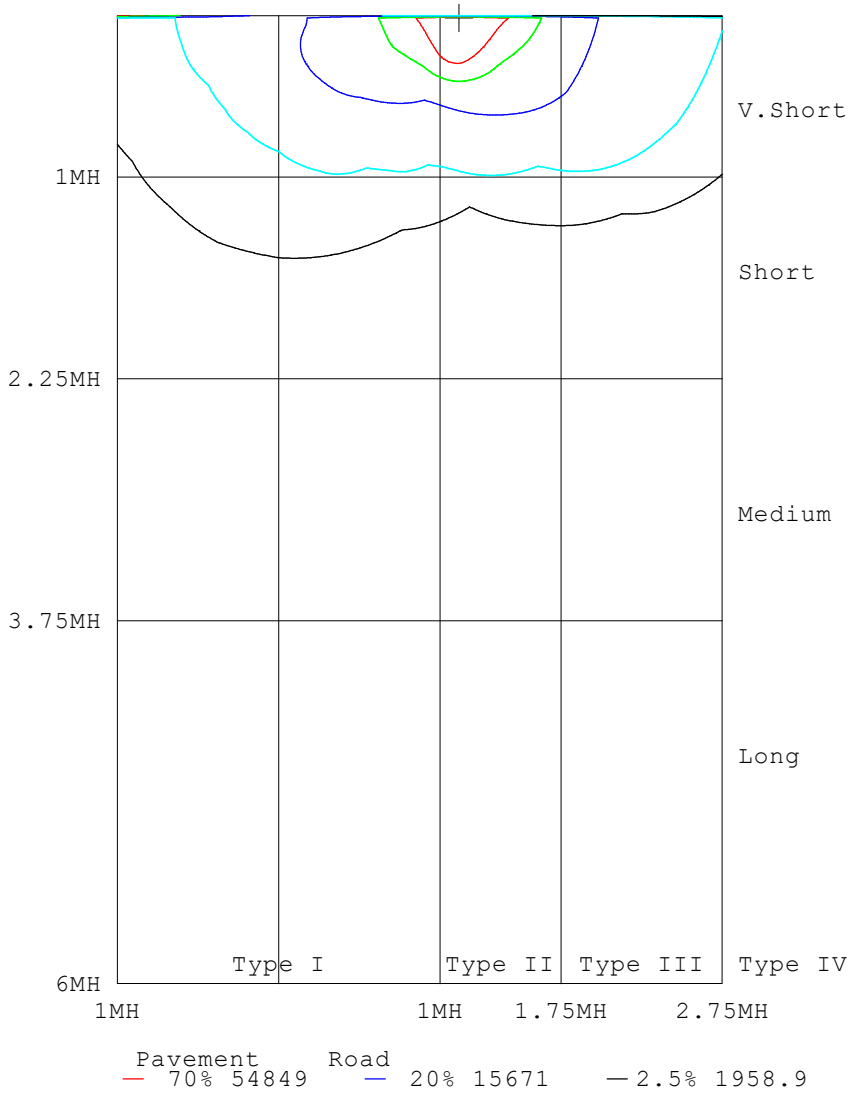
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36217.1x1 lm		
NAME: FL72-300(300W)-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	946	921	923	921	925	921	926	921	925	921	923	921	946	921	923	921	925	921	926
5	967	1031	1117	1176	1222	1240	1252	1240	1222	1176	1117	1031	967	859	793	737	702	679	675
10	983	1163	1370	1499	1556	1555	1564	1555	1556	1499	1370	1163	983	793	686	626	597	584	582
15	927	1193	1540	1792	1903	1893	1898	1893	1903	1792	1540	1193	927	710	617	570	546	531	528
20	842	1127	1570	1984	2213	2315	2373	2315	2213	1984	1570	1127	842	644	566	521	495	481	478
25	737	1008	1463	2013	2443	2832	3040	2832	2443	2013	1463	1008	737	568	502	466	449	444	446
30	644	885	1286	1878	2551	3295	3691	3295	2551	1878	1286	885	644	496	435	408	409	410	417
35	511	690	1026	1611	2507	3812	4530	3812	2507	1611	1026	690	511	420	377	358	363	366	373
40	394	503	704	1200	2247	4302	5464	4302	2247	1200	704	503	394	344	321	312	304	326	340
45	322	391	490	793	1723	5120	7262	5120	1723	793	490	391	322	287	276	254	255	285	303
50	267	281	294	534	1171	5288	7684	5288	1171	534	294	281	267	242	233	210	212	238	257
55	207	212	218	279	794	3376	5556	3376	794	279	218	212	207	201	184	176	173	194	213
60	172	167	163	183	484	1966	3013	1966	484	183	163	167	172	164	148	143	139	159	179
65	137	132	119	116	273	812	1100	812	273	116	119	132	137	139	118	108	102	117	132
70	102	90.4	84.3	72.9	146	289	410	289	146	72.9	84.3	90.4	102	105	90.4	75.0	67.9	71.7	80.1
75	74.5	65.3	94.3	39.3	63.7	96.3	129	96.3	63.7	39.3	94.3	65.3	74.5	71.2	62.3	46.8	40.9	43.0	47.2
80	35.9	29.9	30.2	18.3	21.2	26.9	37.9	26.9	21.2	18.3	30.2	29.9	35.9	40.8	31.0	22.6	21.1	20.9	22.4
85	14.6	7.48	19.3	4.21	3.45	4.60	7.07	4.60	3.45	4.21	19.3	7.48	14.6	8.32	6.84	5.87	6.06	7.12	8.17
90	0.66	0.17	0.18	0.18	0.21	0.25	0.29	0.25	0.21	0.18	0.18	0.17	0.66	1.06	1.01	1.20	2.32	4.32	5.51

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	921	925	921	923	921														
5	679	702	737	793	859														
10	584	597	626	686	793														
15	531	546	570	617	710														
20	481	495	521	566	644														
25	444	449	466	502	568														
30	410	409	408	435	496														
35	366	363	358	377	420														
40	326	304	312	321	344														
45	285	255	254	276	287														
50	238	212	210	233	242														
55	194	173	176	184	201														
60	159	139	143	148	164														
65	117	102	108	118	139														
70	71.7	67.9	75.0	90.4	105														
75	43.0	40.9	46.8	62.3	71.2														
80	20.9	21.1	22.6	31.0	40.8														
85	7.12	6.06	5.87	6.84	8.32														
90	4.32	2.32	1.20	1.01	1.06														

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: