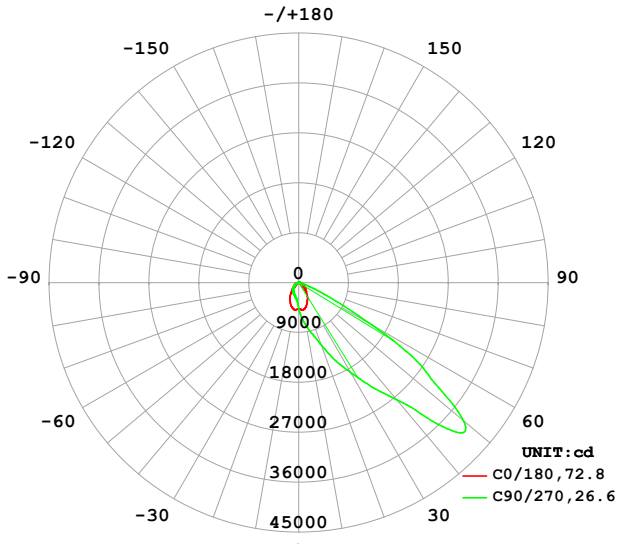
STREETLIGHT PHOTOMETRIC TEST REPORT

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:18307.3x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

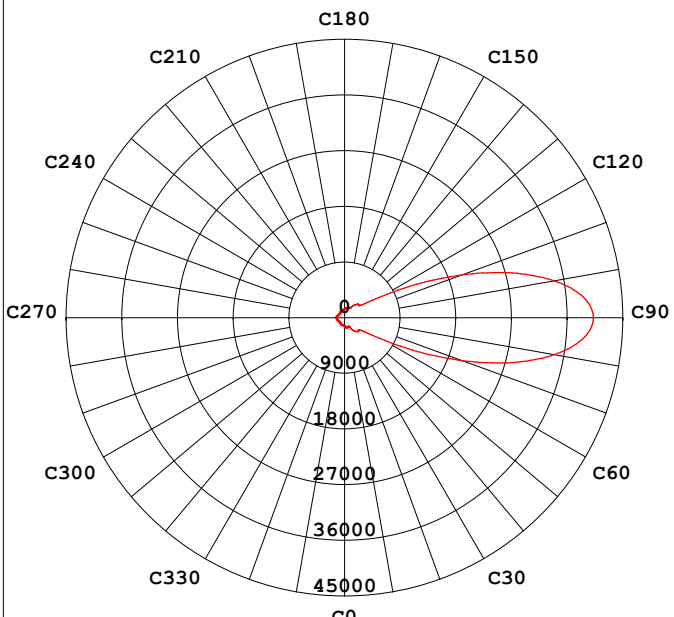
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 118.80 lm/W	
MODEL	/	Imax(cd)	40236	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	18307	η house_up(%)	0.0
NOMINAL FLUX(lm)	18307.3	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 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

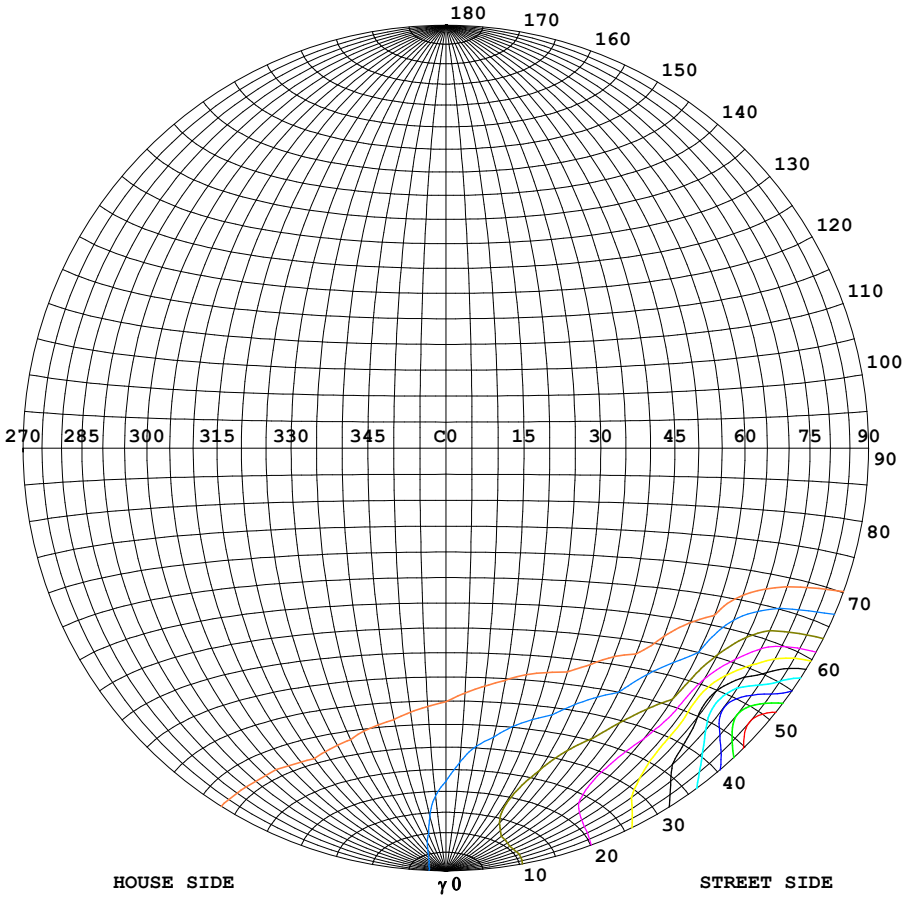


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

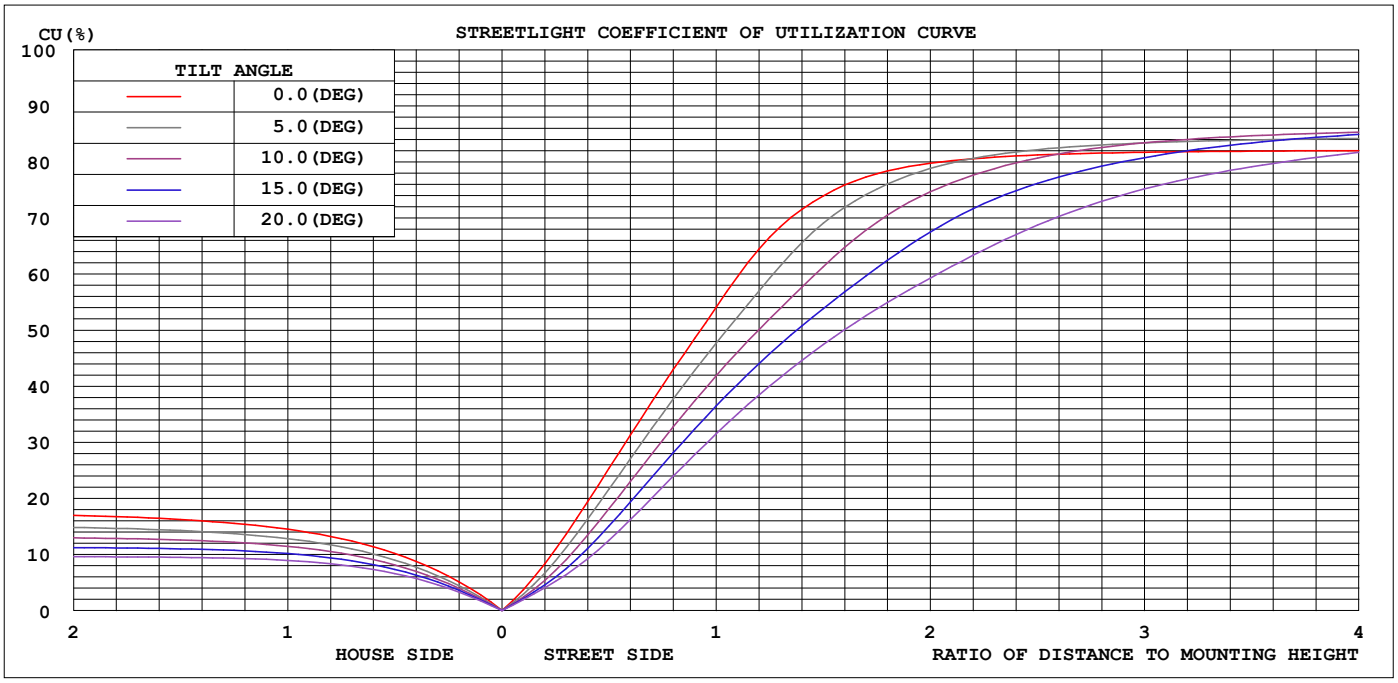
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

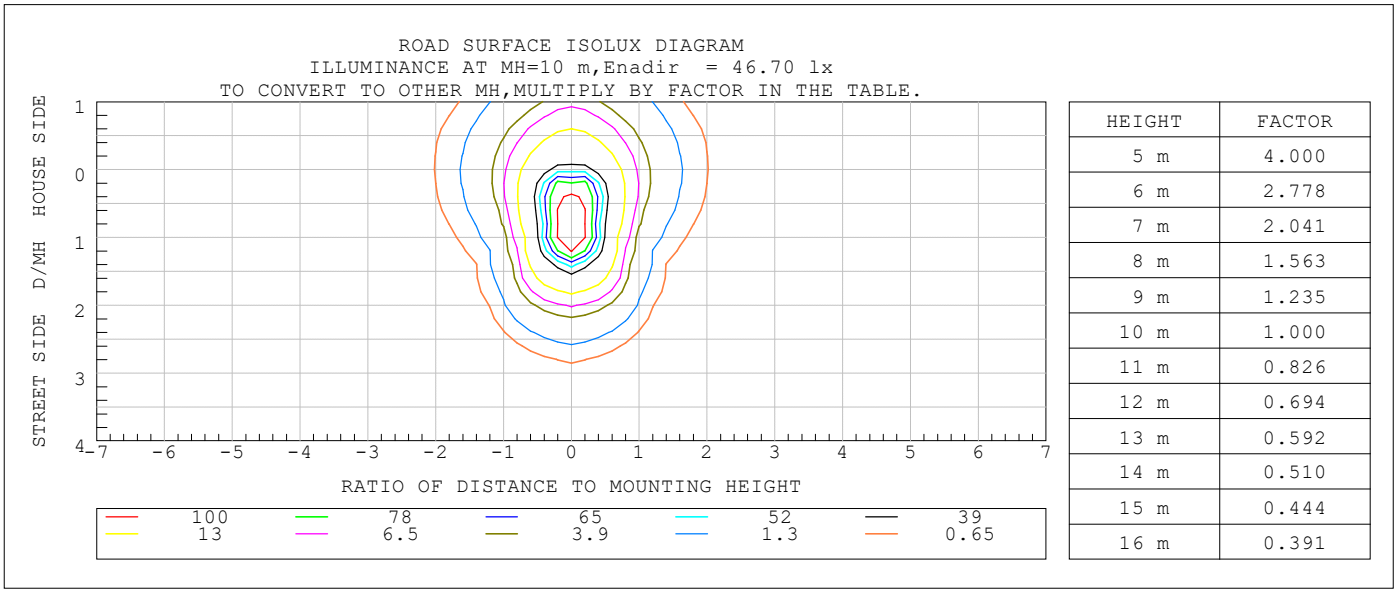
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	40236
90%	36212
80%	32189
70%	28165
60%	24142
50%	20118
40%	16094
30%	12071
20%	8047
10%	4024
5%	2012

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:

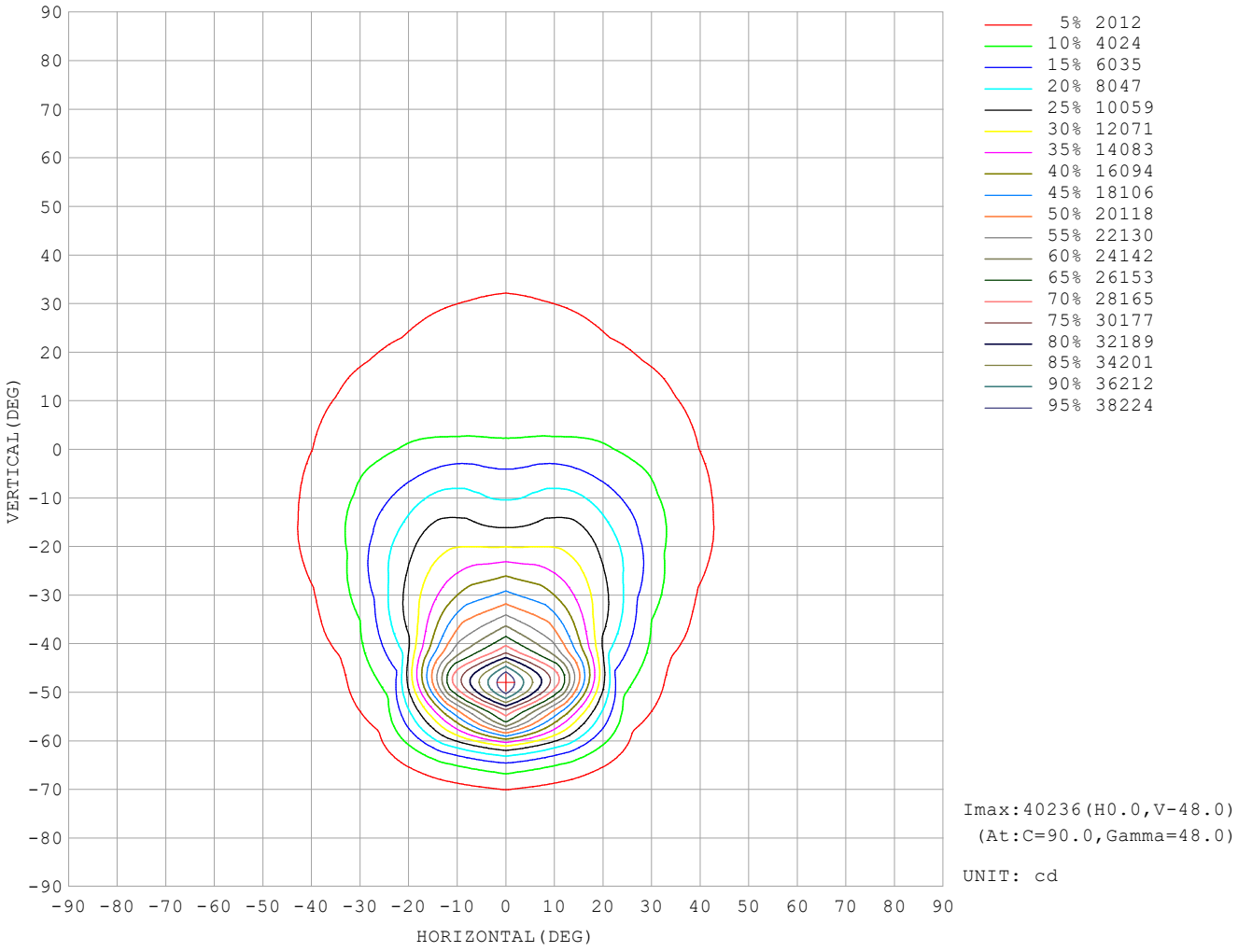
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	496.8	758.0	790.4	758.0	496.8	316.5	294.0	316.5	0- 10	476.1	476.1	2.6,2.6
20	425.7	1003	1199	1003	425.7	263.4	241.7	263.4	10- 20	1611	2087	11.4,11.4
30	325.6	949.1	1866	949.1	325.6	206.3	210.7	206.3	20- 30	2850	4937	27,27
40	199.0	606.7	2762	606.7	199.0	157.7	171.8	157.7	30- 40	3810	8747	47.8,47.8
50	135.1	269.8	3884	269.8	135.1	106.2	130.1	106.2	40- 50	4498	13245	72.3,72.3
60	86.79	92.26	1523	92.26	86.79	72.40	90.39	72.40	50- 60	3396	16641	90.9,90.9
70	51.67	36.86	207.2	36.86	51.67	37.89	40.48	37.89	60- 70	1255	17896	97.8,97.8
80	18.15	9.246	19.17	9.246	18.15	11.44	11.34	11.44	70- 80	355.6	18251	99.7,99.7
90	0.3313	0.0926	0.1454	0.0926	0.3313	0.6061	2.786	0.6061	80- 90	56.01	18307	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:

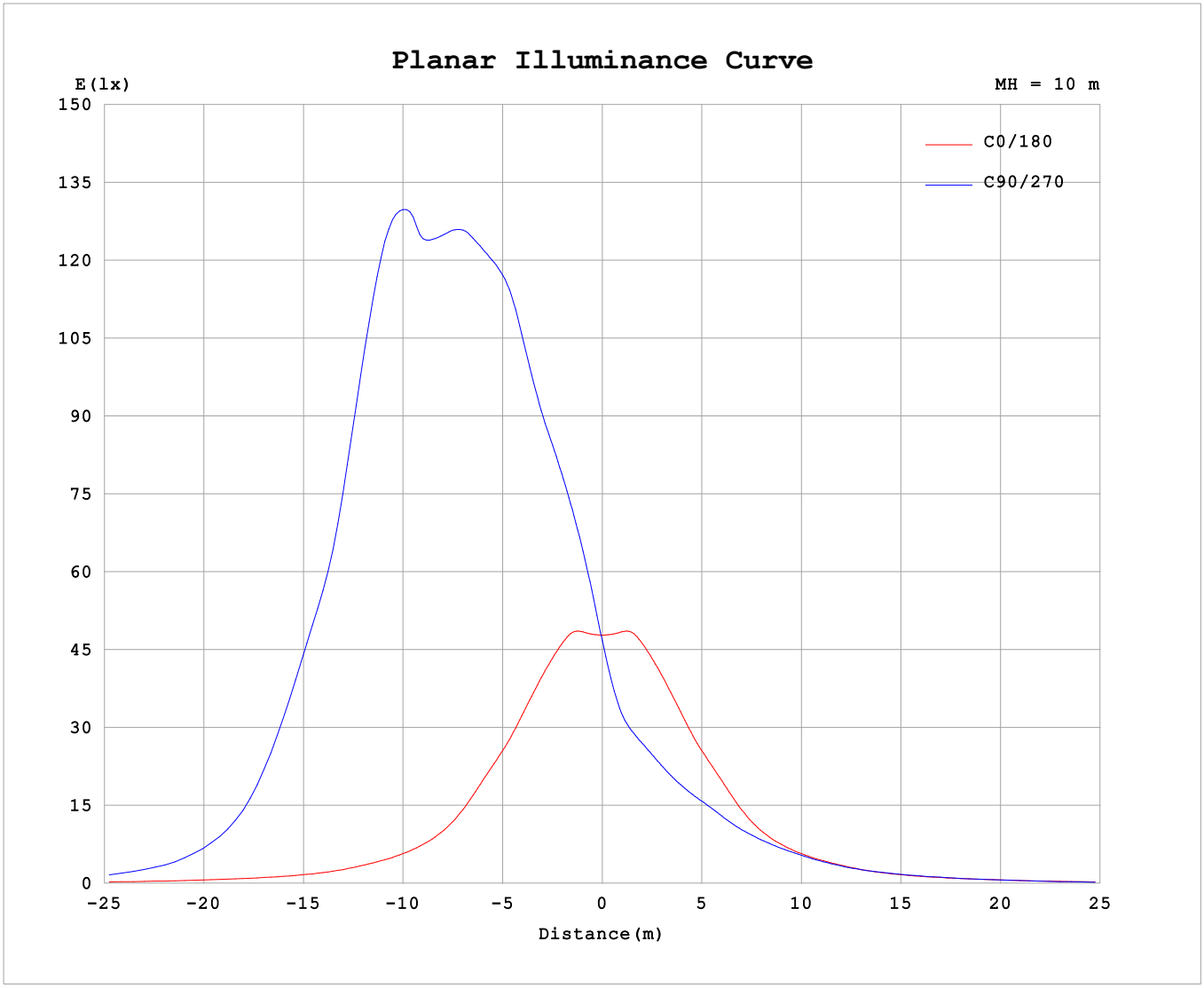
ISOCANDELA DIAGRAM



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



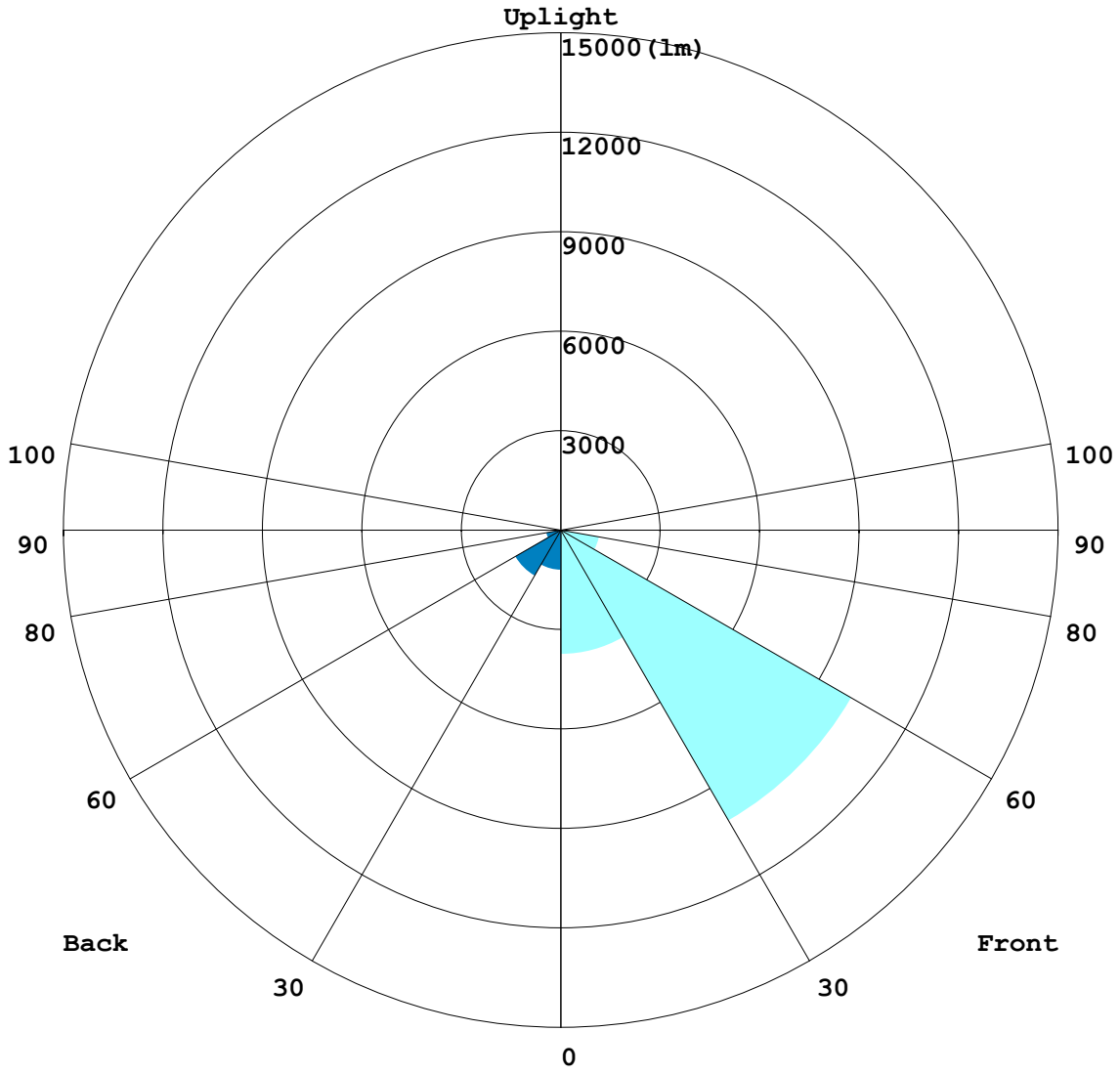
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:18307.3x1 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:18307.3x1 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)	3735.1	20.4
FM - Front-Medium(30-60)	10116	55.3
FH - Front-High(60-80)	1168.1	6.4
FVH - Front-Very High(80-90)	27.781	0.2
Total Forward Light	15047	82.2
BL - Back-Low(0-30)	1201.6	6.6
BM - Back-Medium(30-60)	1587.6	8.7
BH - Back-High(60-80)	442.58	2.4
BVH - Back-Very High(80-90)	28.231	0.2
Total Back Light	3260	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	3260	0	3260
Street Side	15047	0	15047

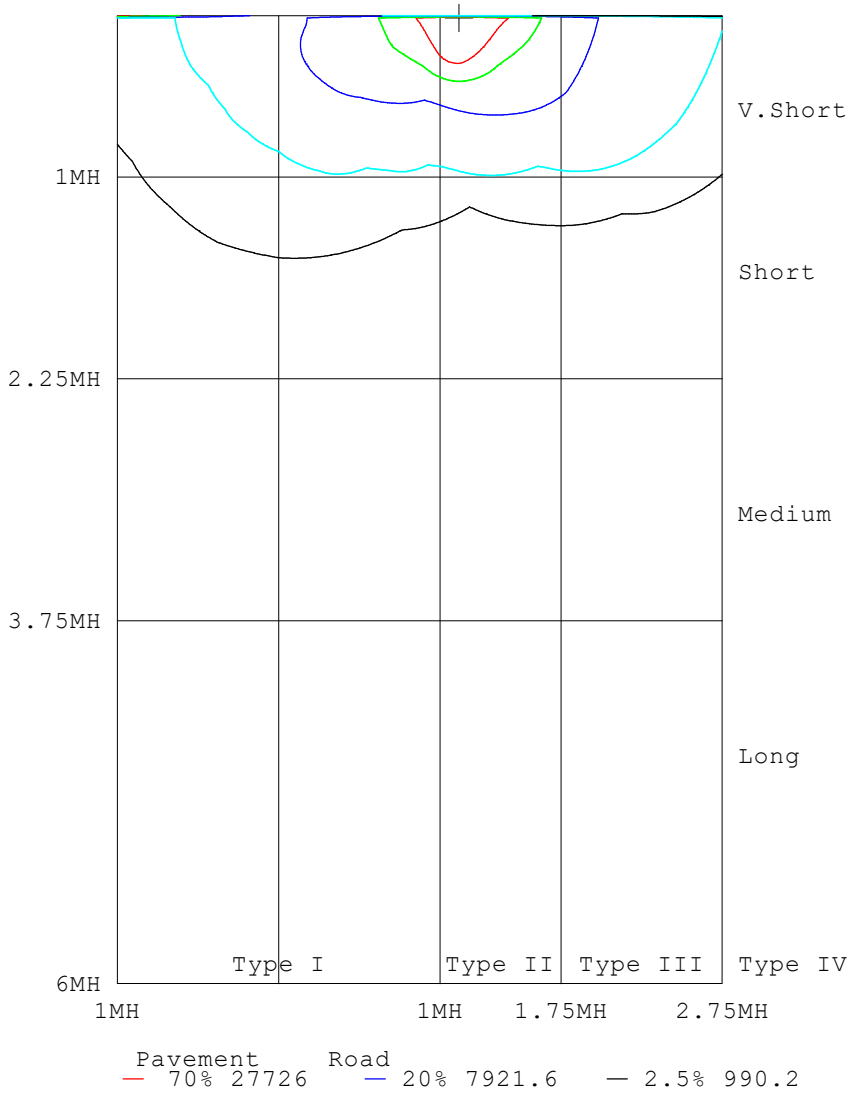
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:18307.3x1 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	478	465	467	466	468	466	468	466	468	466	467	465	478	465	467	466	468	466	468
5	489	521	565	595	618	627	633	627	618	595	565	521	489	434	401	373	355	343	341
10	497	588	692	758	786	786	790	786	786	758	692	588	497	401	347	316	302	295	294
15	469	603	778	906	962	957	960	957	962	906	778	603	469	359	312	288	276	269	267
20	426	570	794	1003	1119	1170	1199	1170	1119	1003	794	570	426	326	286	263	250	243	242
25	372	509	740	1017	1235	1431	1536	1431	1235	1017	740	509	372	287	254	235	227	224	225
30	326	447	650	949	1290	1666	1866	1666	1290	949	650	447	326	251	220	206	207	207	211
35	259	349	519	814	1267	1927	2290	1927	1267	814	519	349	259	212	190	181	183	185	189
40	199	254	356	607	1136	2175	2762	2175	1136	607	356	254	199	174	162	158	154	165	172
45	163	198	248	401	871	2588	3671	2588	871	401	248	198	163	145	139	129	129	144	153
50	135	142	149	270	592	2673	3884	2673	592	270	149	142	135	122	118	106	107	120	130
55	105	107	110	141	401	1706	2808	1706	401	141	110	107	105	102	93.0	88.8	87.4	98.2	107
60	86.8	84.2	82.3	92.3	244	994	1523	994	244	92.3	82.3	84.2	86.8	82.9	74.8	72.4	70.2	80.3	90.4
65	69.0	66.7	60.2	58.7	138	410	556	410	138	58.7	60.2	66.7	69.0	70.3	59.5	54.5	51.5	59.3	67.0
70	51.7	45.7	42.6	36.9	73.8	146	207	146	73.8	36.9	42.6	45.7	51.7	52.9	45.7	37.9	34.3	36.3	40.5
75	37.7	33.0	47.7	19.9	32.2	48.7	65.1	48.7	32.2	19.9	47.7	33.0	37.7	36.0	31.5	23.7	20.7	21.7	23.8
80	18.2	15.1	15.3	9.25	10.7	13.6	19.2	13.6	10.7	9.25	15.3	15.1	18.2	20.6	15.7	11.4	10.6	10.6	11.3
85	7.38	3.78	9.75	2.13	1.74	2.33	3.57	2.33	1.74	2.13	9.75	3.78	7.38	4.21	3.46	2.97	3.06	3.60	4.13
90	0.33	0.09	0.09	0.09	0.11	0.13	0.15	0.13	0.11	0.09	0.09	0.09	0.33	0.54	0.51	0.61	1.17	2.18	2.79

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	466	468	466	467	465														
5	343	355	373	401	434														
10	295	302	316	347	401														
15	269	276	288	312	359														
20	243	250	263	286	326														
25	224	227	235	254	287														
30	207	207	206	220	251														
35	185	183	181	190	212														
40	165	154	158	162	174														
45	144	129	129	139	145														
50	120	107	106	118	122														
55	98.2	87.4	88.8	93.0	102														
60	80.3	70.2	72.4	74.8	82.9														
65	59.3	51.5	54.5	59.5	70.3														
70	36.3	34.3	37.9	45.7	52.9														
75	21.7	20.7	23.7	31.5	36.0														
80	10.6	10.6	11.4	15.7	20.6														
85	3.60	3.06	2.97	3.46	4.21														
90	2.18	1.17	0.61	0.51	0.54														

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: