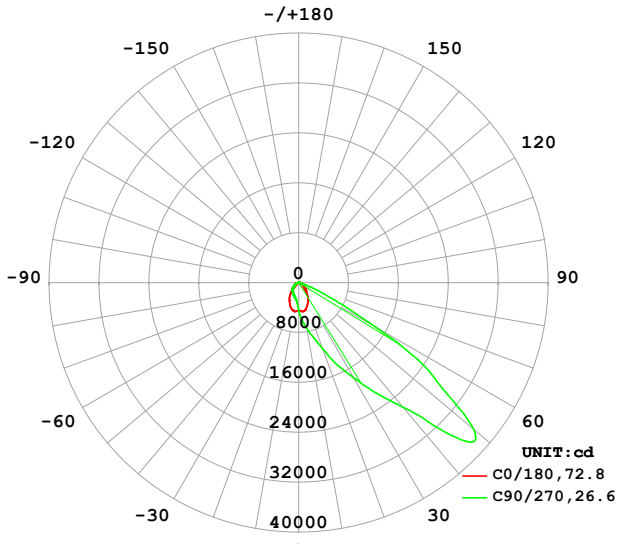
STREETLIGHT PHOTOMETRIC TEST REPORT

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:17264.7x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

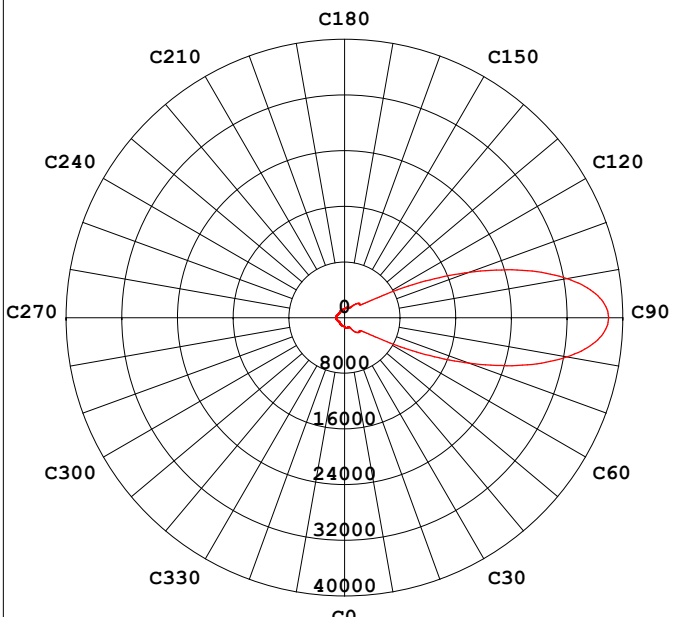
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 112.04 lm/W	
MODEL	/	Imax(cd)	37945	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	17265	η house_up(%)	0.0
NOMINAL FLUX(lm)	17264.7	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 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

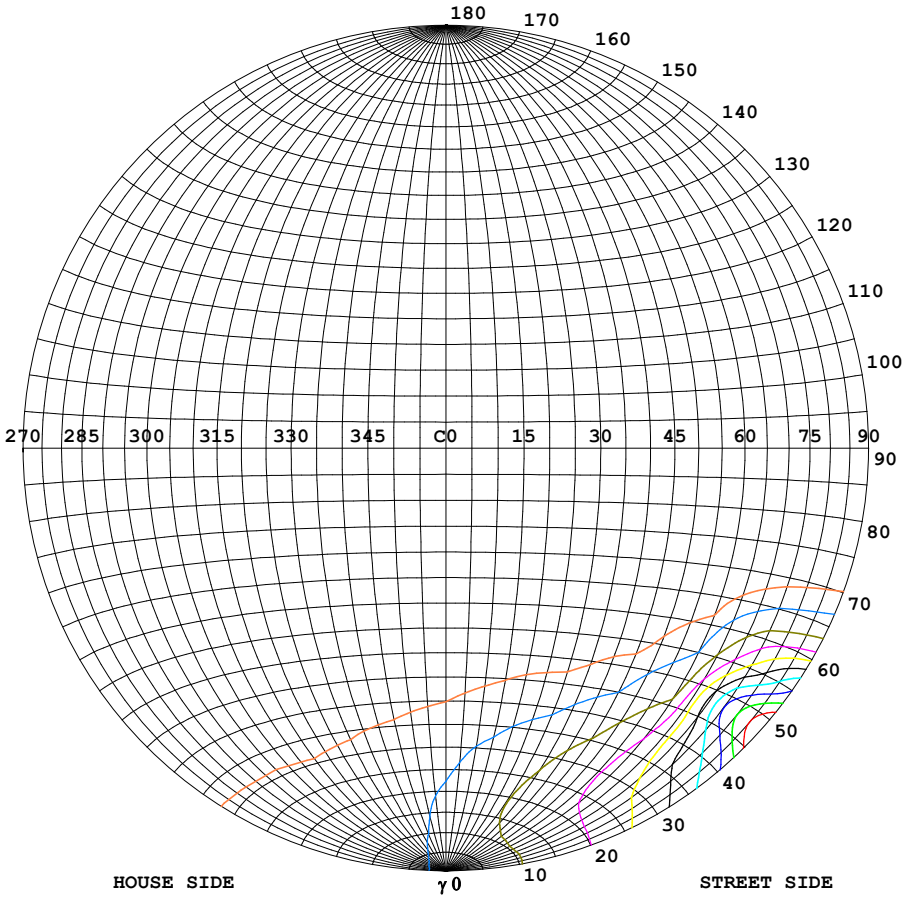


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

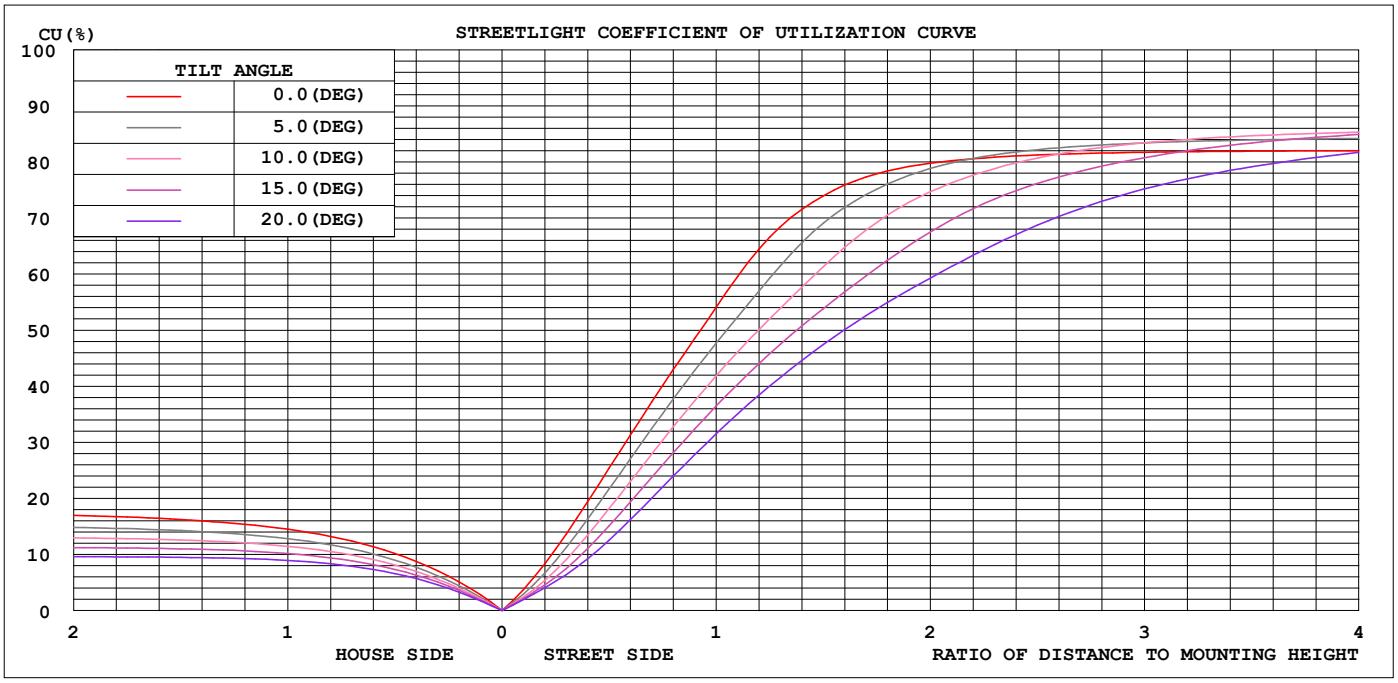
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

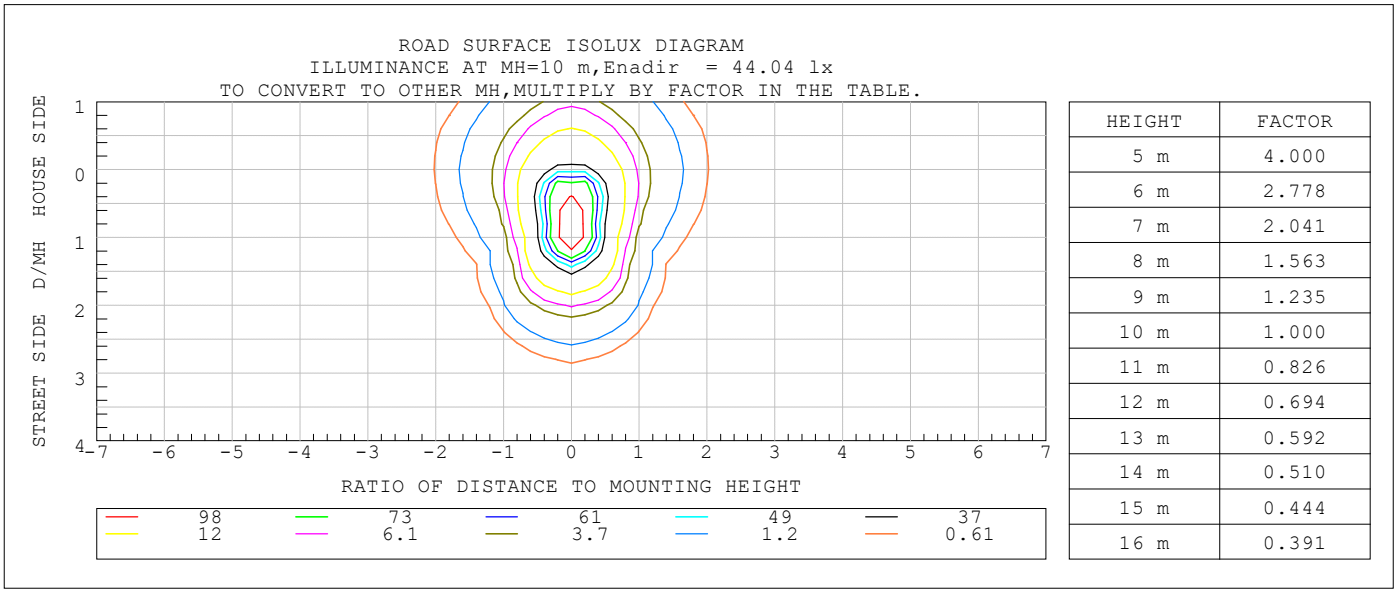
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	37945
90%	34150
80%	30356
70%	26561
60%	22767
50%	18972
40%	15178
30%	11383
20%	7589
10%	3794
5%	1897

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:

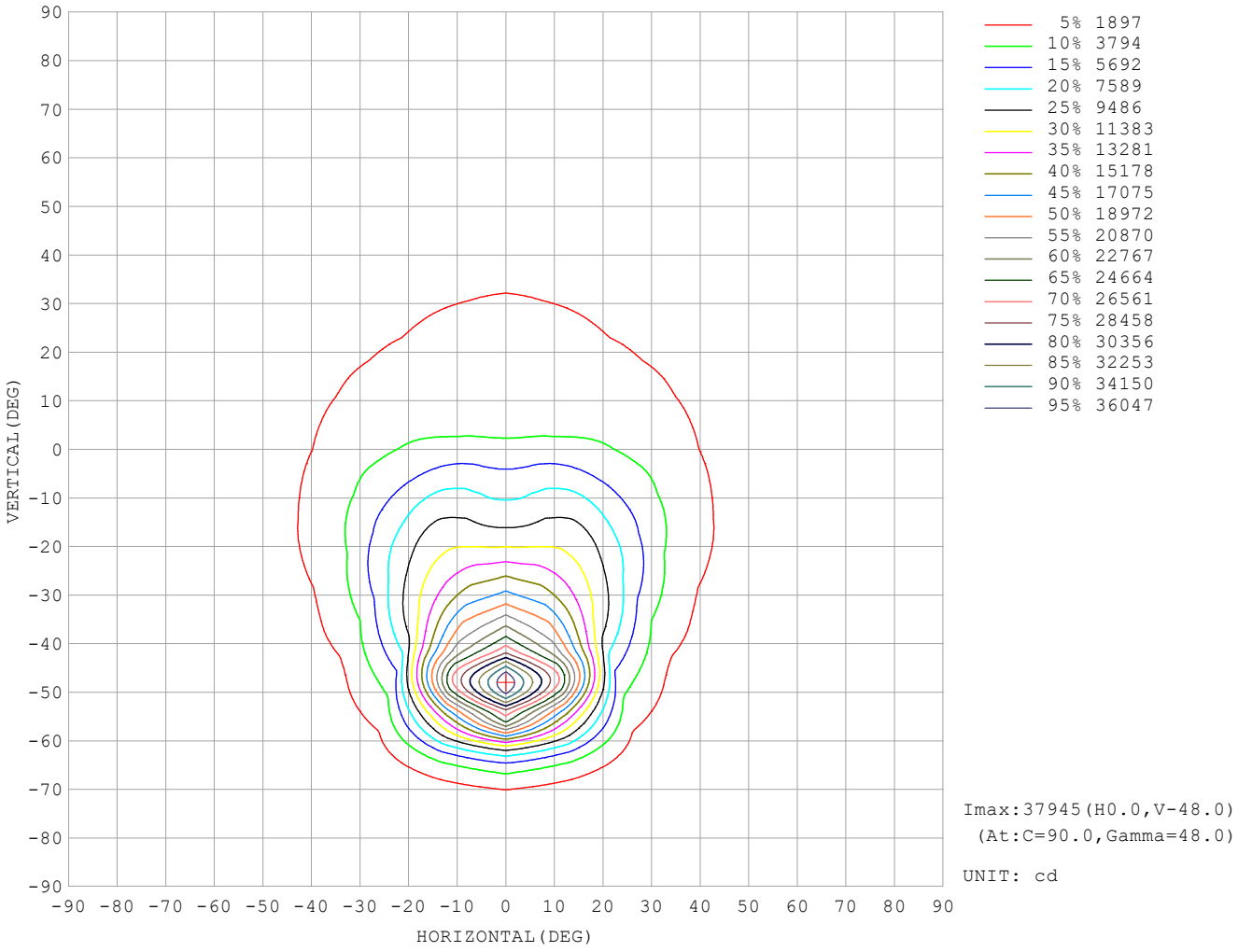
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	468.5	714.8	745.4	714.8	468.5	298.4	277.2	298.4	0- 10	449.0	449.0	2.6,2.6
20	401.5	945.6	1131	945.6	401.5	248.4	228.0	248.4	10- 20	1519	1968	11.4,11.4
30	307.0	895.1	1759	895.1	307.0	194.6	198.7	194.6	20- 30	2687	4656	27,27
40	187.7	572.2	2605	572.2	187.7	148.7	162.1	148.7	30- 40	3593	8249	47.8,47.8
50	127.5	254.5	3663	254.5	127.5	100.1	122.7	100.1	40- 50	4242	12491	72.3,72.3
60	81.85	87.00	1436	87.00	81.85	68.28	85.24	68.28	50- 60	3202	15693	90.9,90.9
70	48.73	34.76	195.4	34.76	48.73	35.73	38.18	35.73	60- 70	1184	16877	97.8,97.8
80	17.12	8.720	18.08	8.720	17.12	10.79	10.69	10.79	70- 80	335.4	17212	99.7,99.7
90	0.3125	0.0873	0.1371	0.0873	0.3125	0.5716	2.627	0.5716	80- 90	52.82	17265	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:

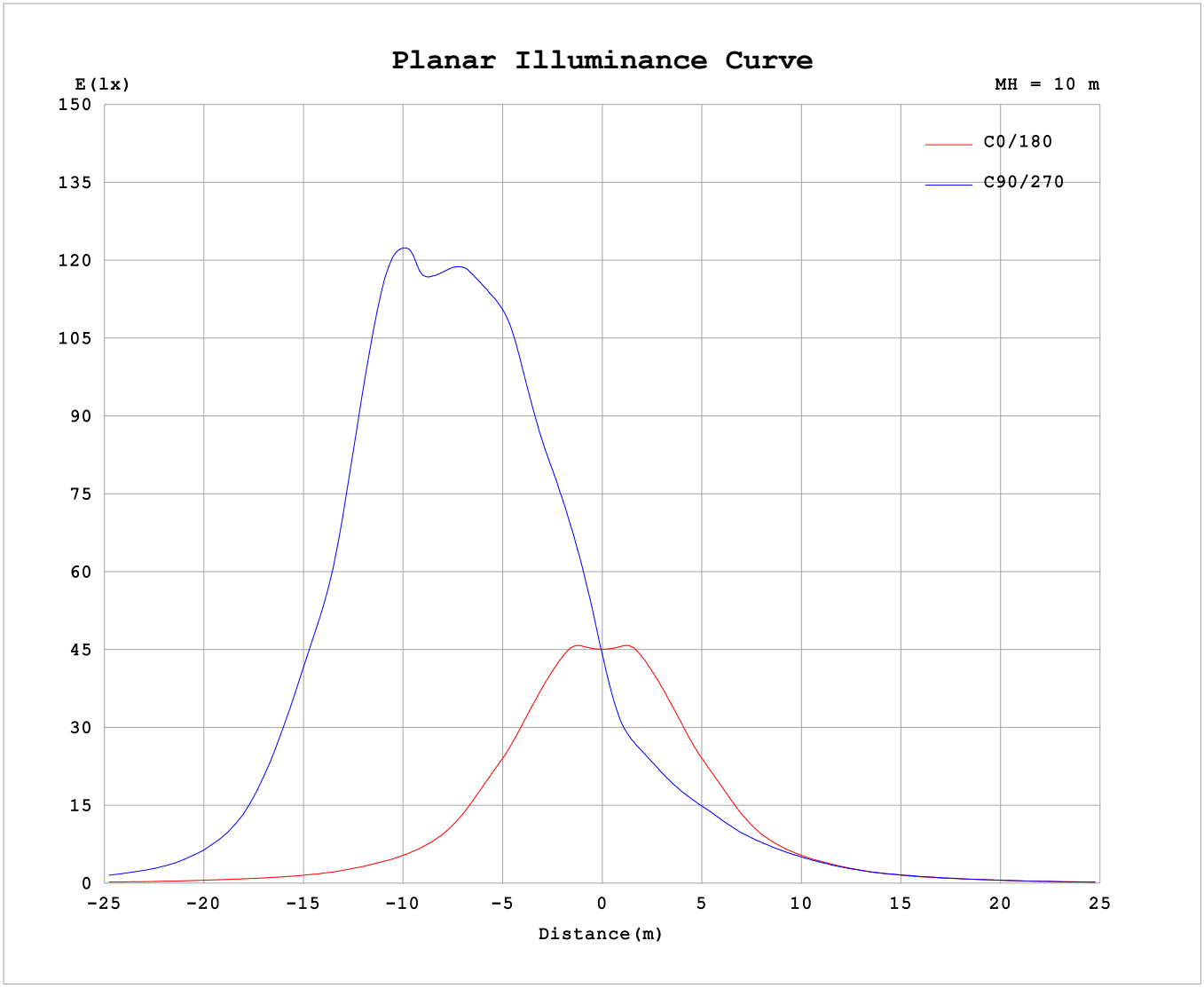
ISOCANDELA DIAGRAM



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



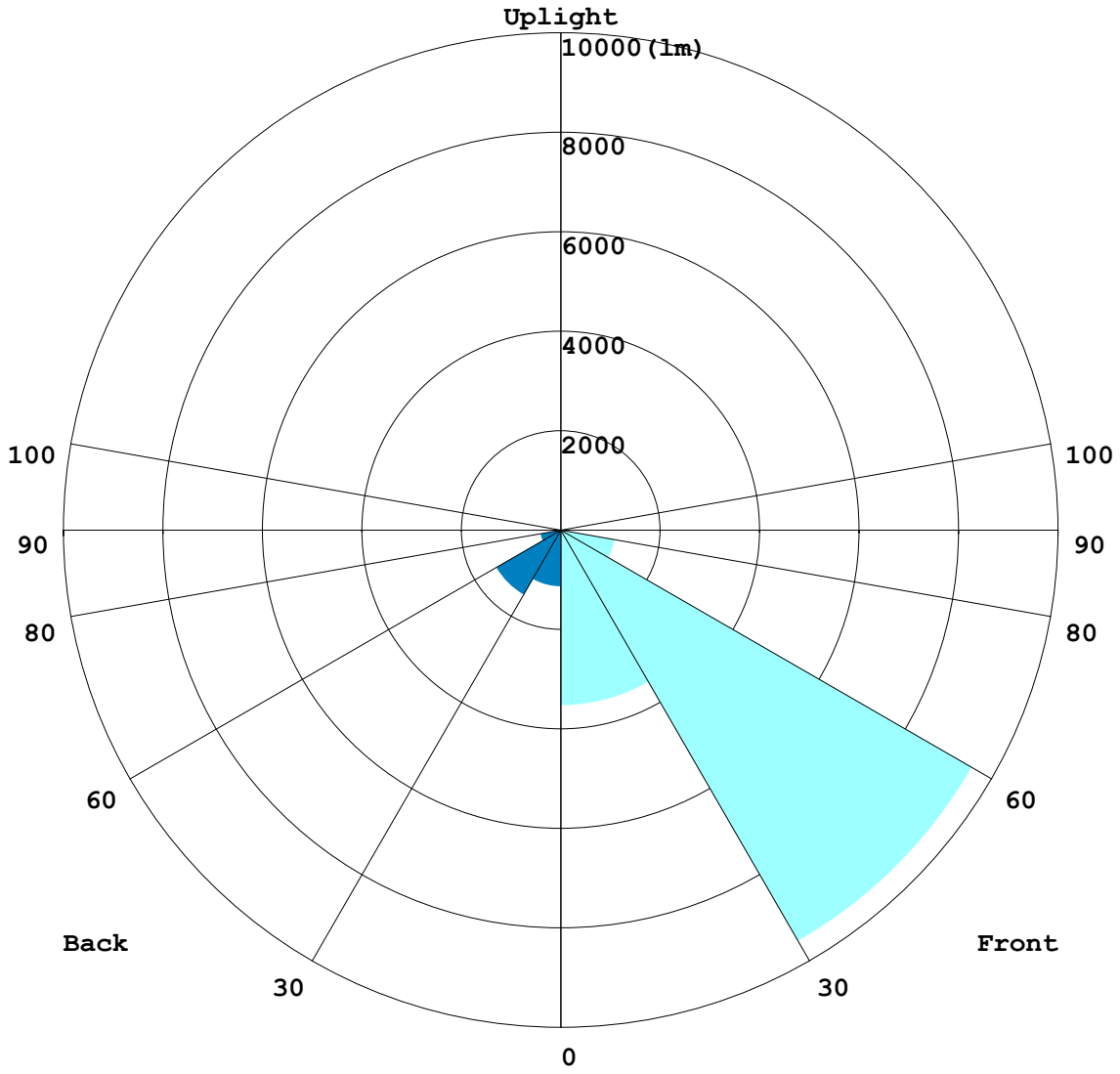
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:17264.7x1 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:17264.7x1 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)	3522.4	20.4
FM - Front-Medium(30-60)	9540.3	55.3
FH - Front-High(60-80)	1101.5	6.4
FVH - Front-Very High(80-90)	26.199	0.2
Total Forward Light	14190	82.2
BL - Back-Low(0-30)	1133.2	6.6
BM - Back-Medium(30-60)	1497.2	8.7
BH - Back-High(60-80)	417.38	2.4
BVH - Back-Very High(80-90)	26.624	0.2
Total Back Light	3074.4	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	3074.4	0	3074.4
Street Side	14190	0	14190

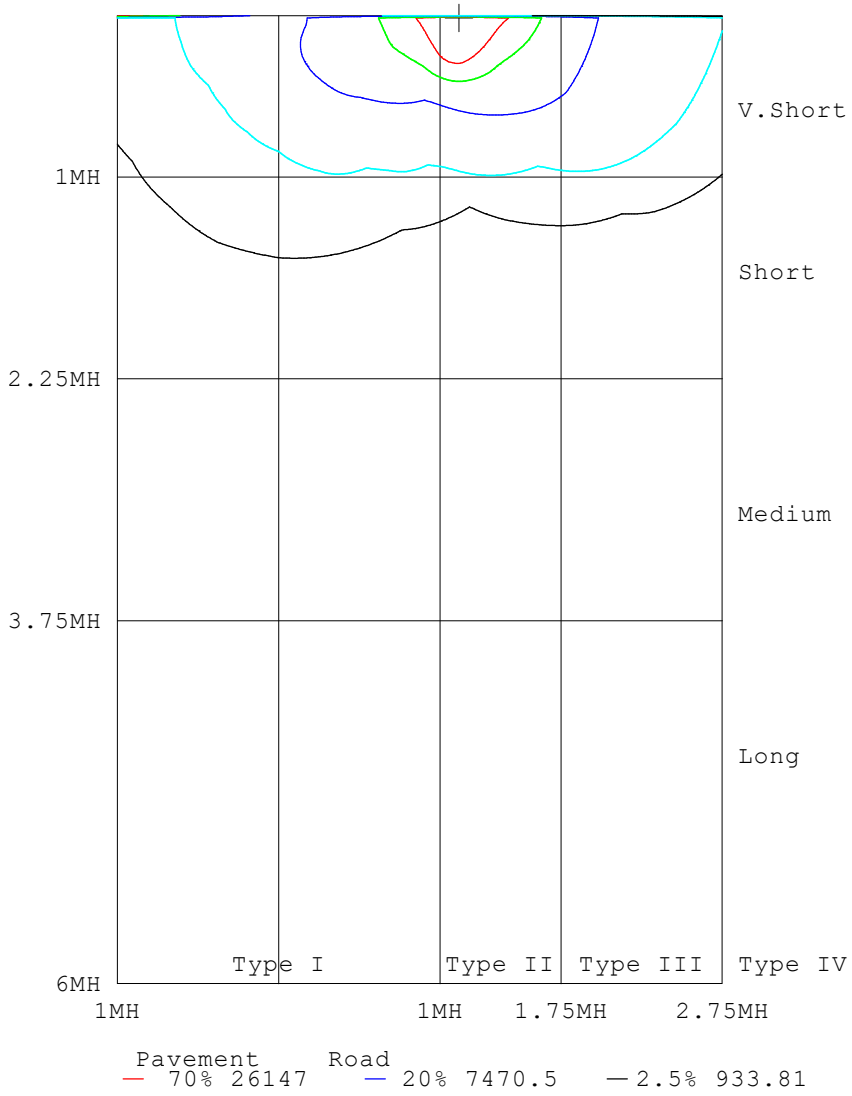
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:17264.7x1 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	451	439	440	439	441	439	441	439	441	439	440	439	451	439	440	439	441	439	441
5	461	491	532	561	582	591	597	591	582	561	532	491	461	410	378	351	335	324	322
10	469	555	653	715	742	741	745	741	742	715	653	555	469	378	327	298	285	278	277
15	442	569	734	854	907	902	905	902	907	854	734	569	442	339	294	272	260	253	252
20	401	537	749	946	1055	1104	1131	1104	1055	946	749	537	401	307	270	248	236	229	228
25	351	480	698	959	1165	1350	1449	1350	1165	959	698	480	351	271	239	222	214	211	213
30	307	422	613	895	1216	1571	1759	1571	1216	895	613	422	307	237	207	195	195	195	199
35	244	329	489	768	1195	1817	2159	1817	1195	768	489	329	244	200	180	170	173	174	178
40	188	240	335	572	1071	2051	2605	2051	1071	572	335	240	188	164	153	149	145	155	162
45	154	186	233	378	821	2441	3462	2441	821	378	233	186	154	137	131	121	122	136	145
50	127	134	140	254	558	2521	3663	2521	558	254	140	134	127	115	111	100	101	113	123
55	98.6	101	104	133	379	1609	2648	1609	379	133	104	101	98.6	95.8	87.7	83.7	82.4	92.6	101
60	81.8	79.4	77.6	87.0	231	937	1436	937	231	87.0	77.6	79.4	81.8	78.2	70.5	68.3	66.2	75.8	85.2
65	65.1	62.9	56.7	55.4	130	387	524	387	130	55.4	56.7	62.9	65.1	66.3	56.1	51.4	48.6	55.9	63.2
70	48.7	43.1	40.2	34.8	69.6	138	195	138	69.6	34.8	40.2	43.1	48.7	49.9	43.1	35.7	32.4	34.2	38.2
75	35.5	31.1	44.9	18.7	30.3	45.9	61.4	45.9	30.3	18.7	44.9	31.1	35.5	33.9	29.7	22.3	19.5	20.5	22.5
80	17.1	14.2	14.4	8.72	10.1	12.8	18.1	12.8	10.1	8.72	14.4	14.2	17.1	19.5	14.8	10.8	10.0	9.95	10.7
85	6.96	3.57	9.19	2.00	1.64	2.19	3.37	2.19	1.64	2.00	9.19	3.57	6.96	3.97	3.26	2.80	2.89	3.39	3.89
90	0.31	0.08	0.08	0.09	0.10	0.12	0.14	0.12	0.10	0.09	0.08	0.08	0.31	0.51	0.48	0.57	1.10	2.06	2.63

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	439	441	439	440	439														
5	324	335	351	378	410														
10	278	285	298	327	378														
15	253	260	272	294	339														
20	229	236	248	270	307														
25	211	214	222	239	271														
30	195	195	195	207	237														
35	174	173	170	180	200														
40	155	145	149	153	164														
45	136	122	121	131	137														
50	113	101	100	111	115														
55	92.6	82.4	83.7	87.7	95.8														
60	75.8	66.2	68.3	70.5	78.2														
65	55.9	48.6	51.4	56.1	66.3														
70	34.2	32.4	35.7	43.1	49.9														
75	20.5	19.5	22.3	29.7	33.9														
80	9.95	10.0	10.8	14.8	19.5														
85	3.39	2.89	2.80	3.26	3.97														
90	2.06	1.10	0.57	0.48	0.51														

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: