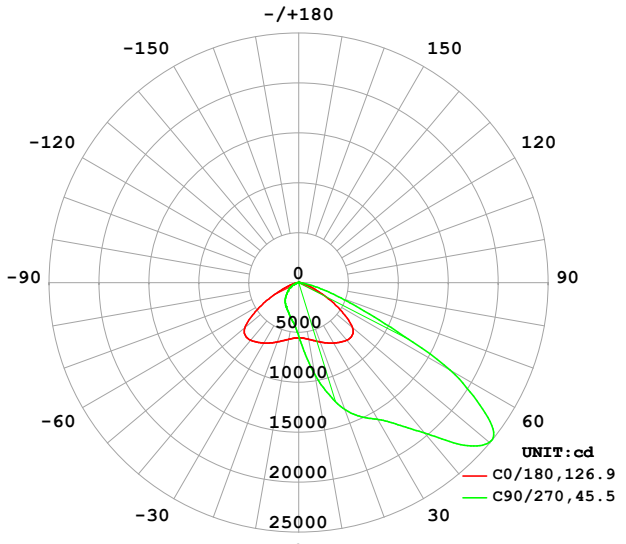
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:35127.6x1 lm		
NAME: FL72-500(250W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

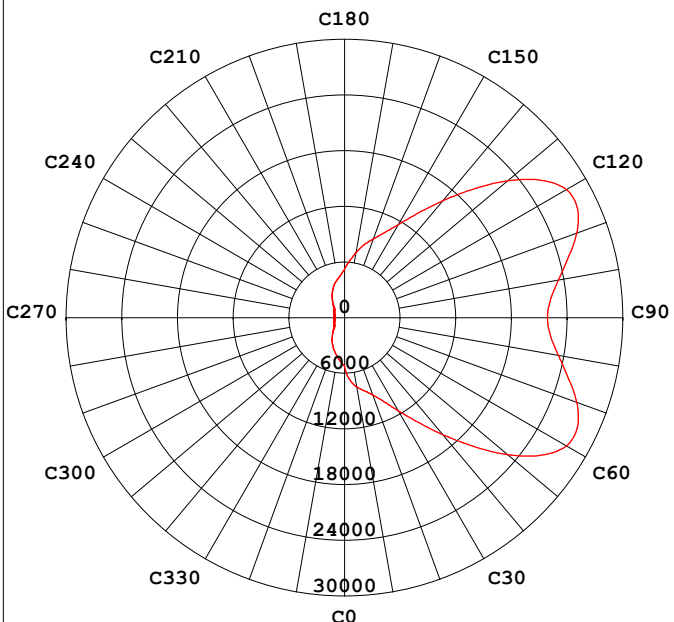
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 143.32 lm/W	
MODEL	/	Imax(cd)	27636	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	35128	η house_up(%)	0.0
NOMINAL FLUX(lm)	35127.6	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):86.2 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

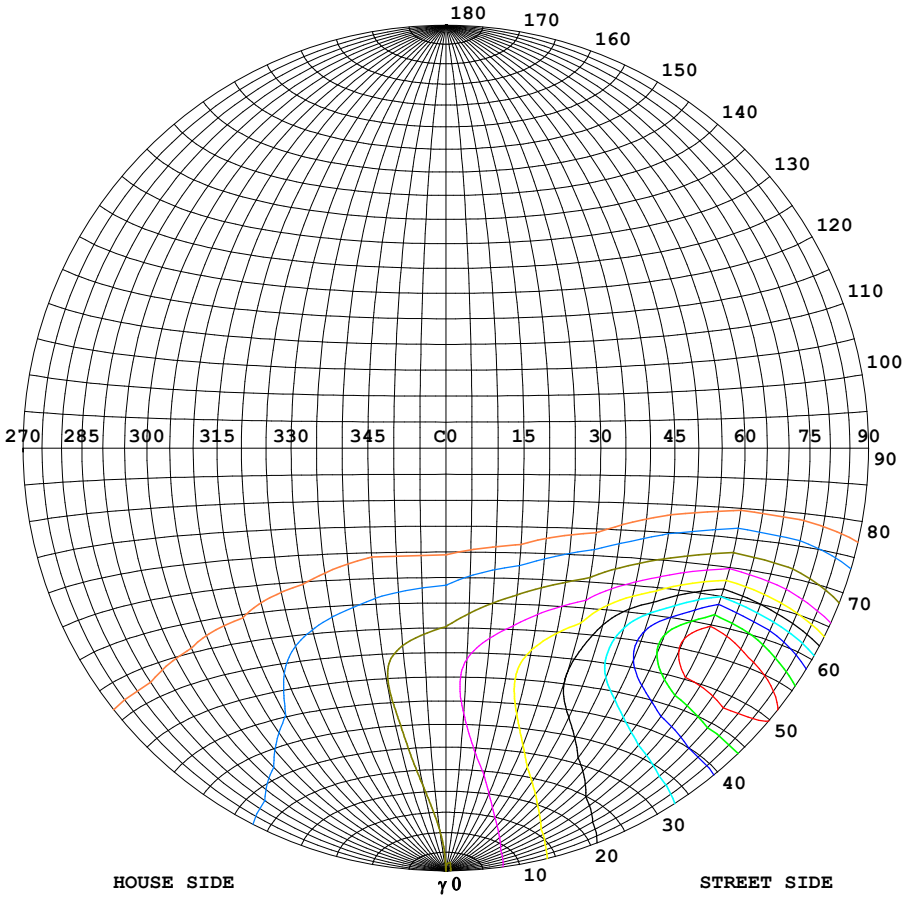


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:

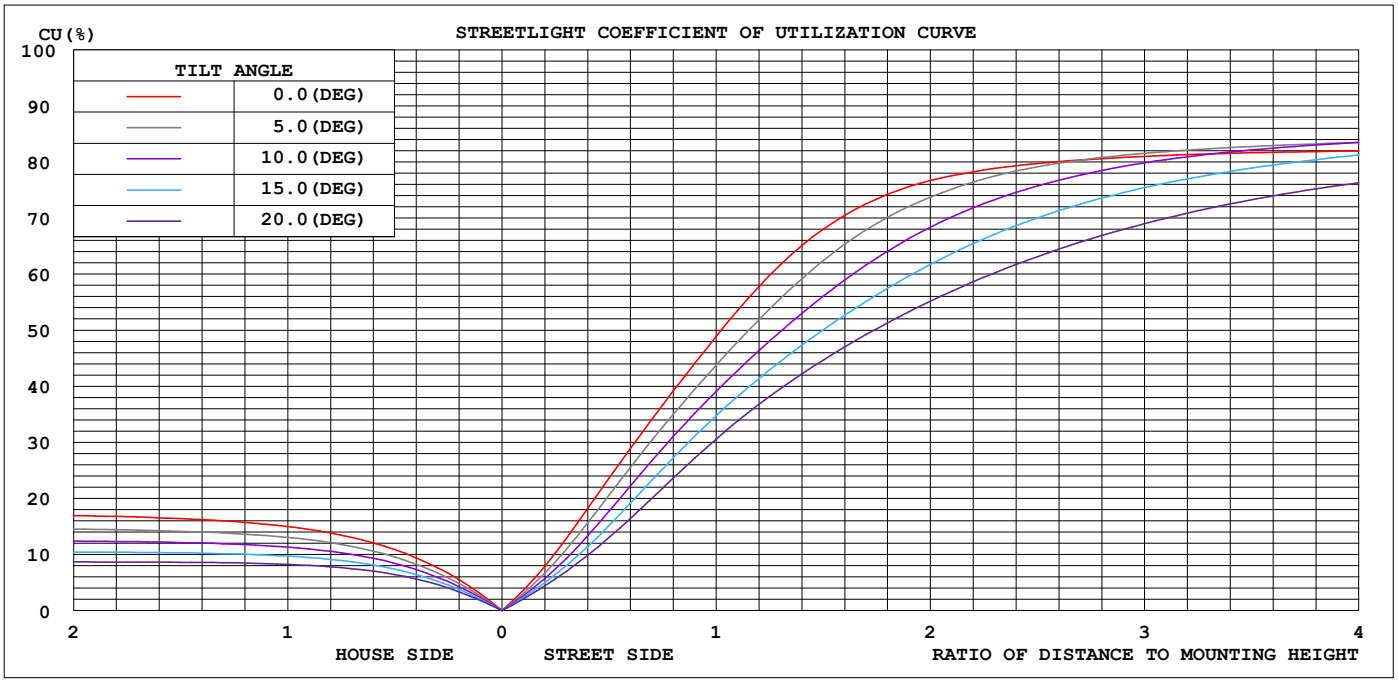
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

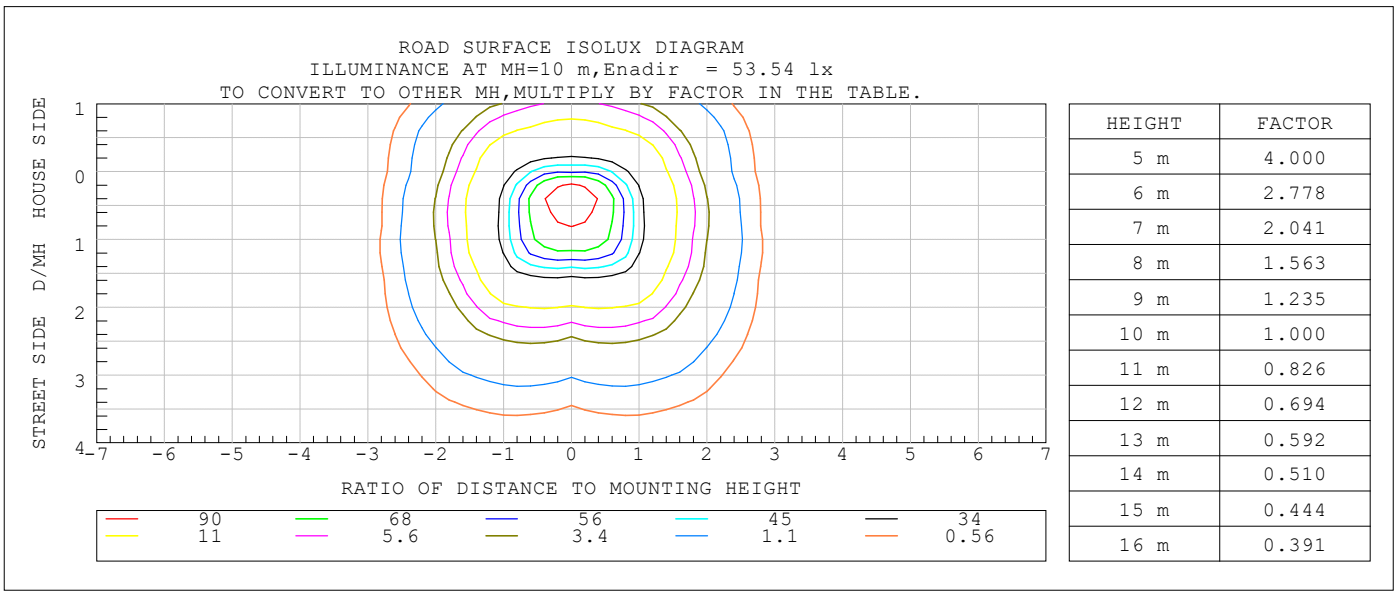
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	27636
90%	24873
80%	22109
70%	19345
60%	16582
50%	13818
40%	11055
30%	8291
20%	5527
10%	2764
5%	1382

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2026-01-16

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:

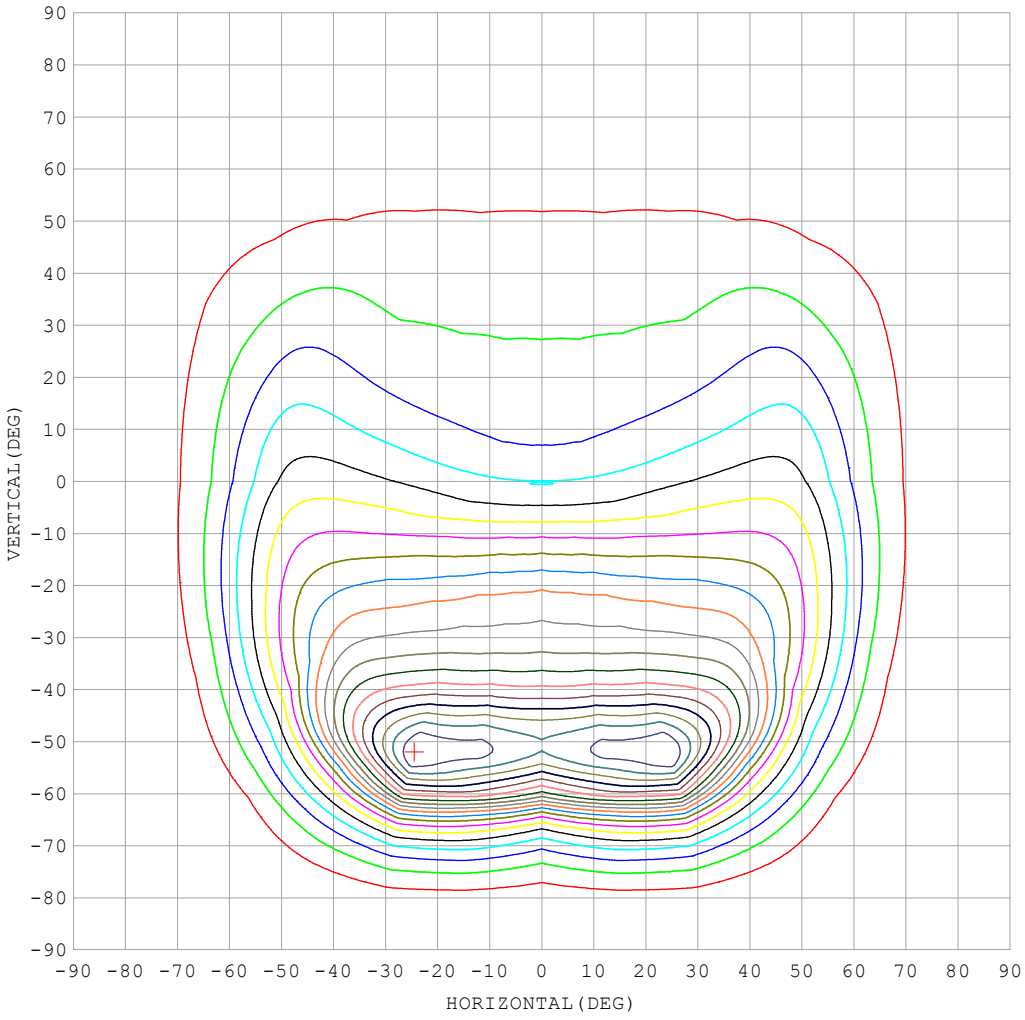
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	576.8	797.4	933.5	797.4	576.8	418.5	385.3	418.5	0- 10	549.4	549.4	1.56,1.56
20	633.7	1106	1351	1106	633.7	367.8	309.9	367.8	10- 20	1924	2474	7.04,7.04
30	699.5	1359	1583	1359	699.5	323.2	262.9	323.2	20- 30	3632	6106	17.4,17.4
40	753.1	1558	1969	1558	753.1	277.6	208.9	277.6	30- 40	5485	11591	33,33
50	704.4	1892	2490	1892	704.4	223.6	147.7	223.6	40- 50	7767	19358	55.1,55.1
60	393.1	1687	1751	1687	393.1	132.9	95.22	132.9	50- 60	8929	28287	80.5,80.5
70	128.2	569.1	454.2	569.1	128.2	61.29	43.65	61.29	60- 70	5242	33529	95.4,95.4
80	30.54	84.72	65.32	84.72	30.54	15.40	9.624	15.40	70- 80	1461	34990	99.6,99.6
90	0.9331	0.2217	0.2406	0.2217	0.9331	5.992	6.615	5.992	80- 90	137.7	35128	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:2026-01-16

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



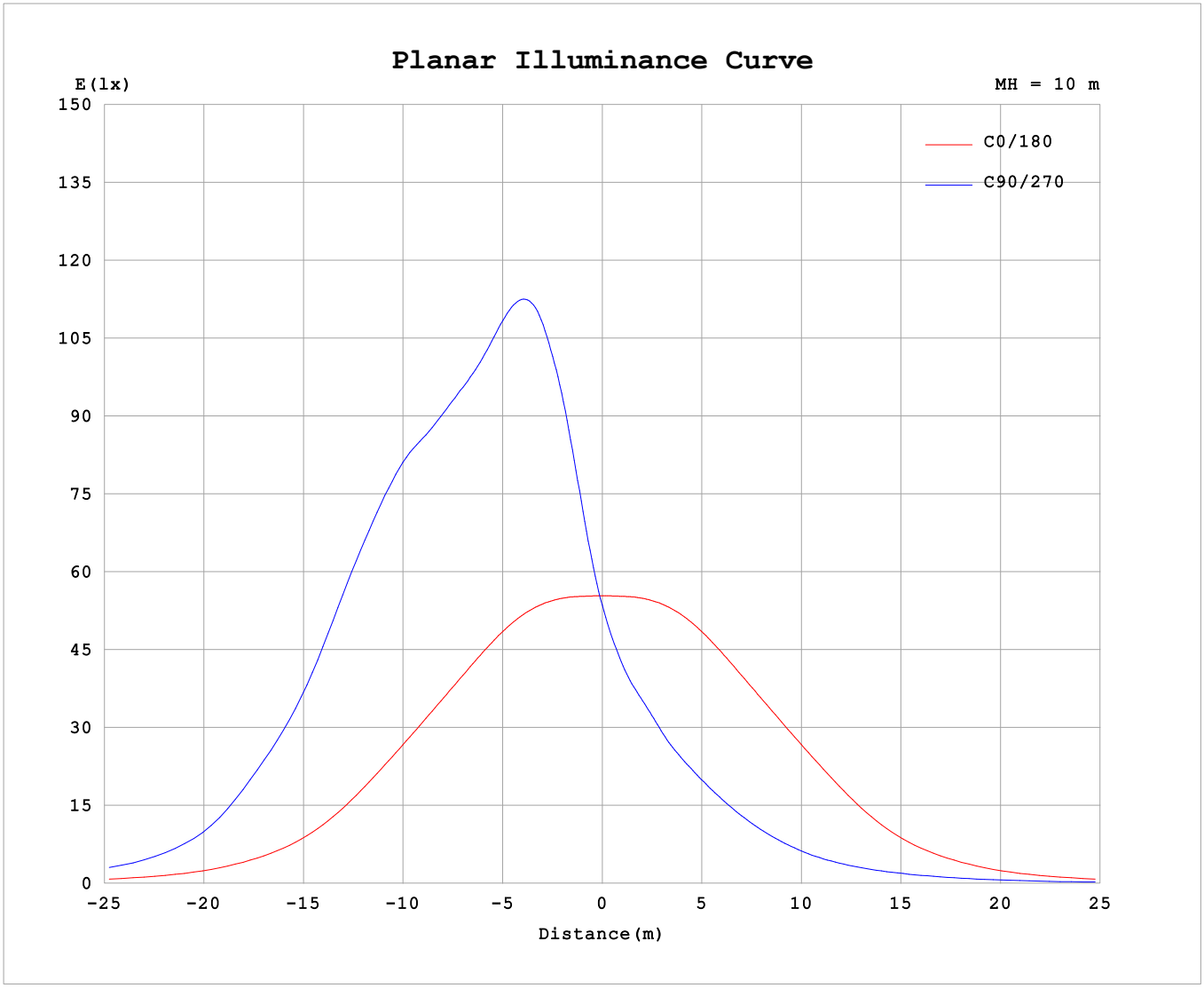
Imax:27610(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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



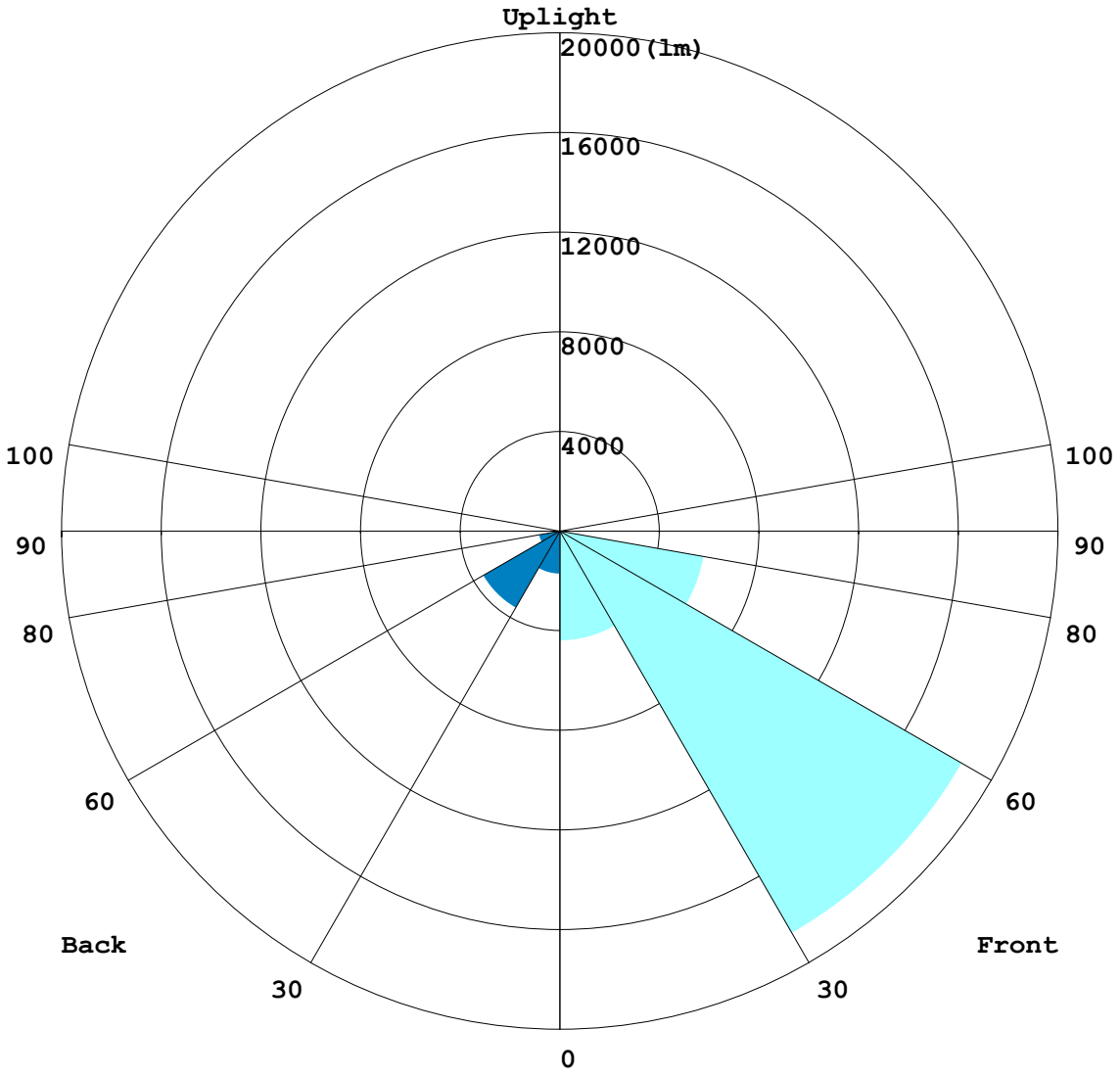
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:35127.6x1 lm		
NAME: FL72-500(250W)-F04803-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:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:35127.6x1 lm		
NAME: FL72-500(250W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4389.9	12.5
FM - Front-Medium(30-60)	18630	53.0
FH - Front-High(60-80)	5859.9	16.7
FVH - Front-Very High(80-90)	95.48	0.3
Total Forward Light	28976	82.5
BL - Back-Low(0-30)	1716.1	4.9
BM - Back-Medium(30-60)	3550.4	10.1
BH - Back-High(60-80)	843.21	2.4
BVH - Back-Very High(80-90)	42.251	0.1
Total Back Light	6152	17.5
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	6152	0	6152
Street Side	28976	0	28976

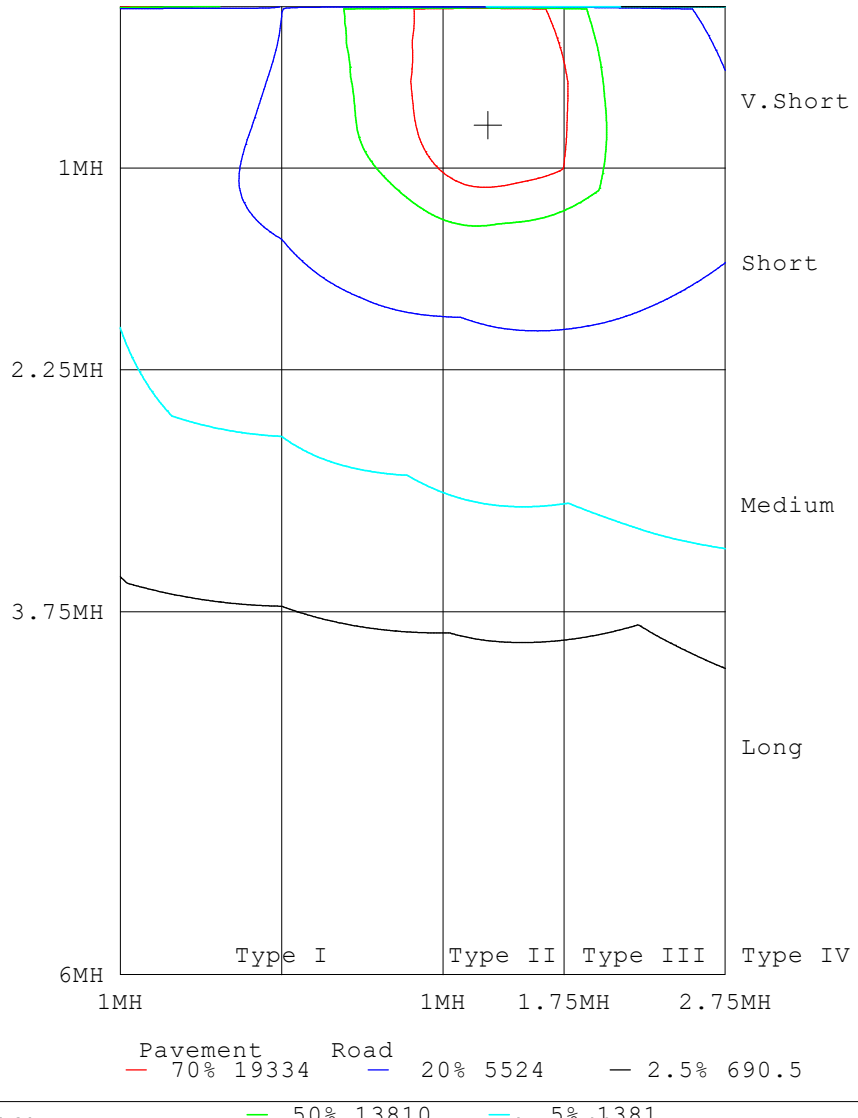
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:35127.6x1 lm		
NAME: FL72-500(250W)-F04803-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:2026-01-16

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	554	536	536	535	536	534	536	534	536	535	536	536	554	536	536	535	536	534	536
5	560	576	613	647	679	696	706	696	679	647	613	576	560	510	485	465	451	442	440
10	577	631	715	797	871	910	934	910	871	797	715	631	577	499	453	419	398	388	385
15	602	695	831	959	1066	1124	1155	1124	1066	959	831	695	602	498	434	392	366	350	346
20	634	766	952	1106	1243	1318	1351	1318	1243	1106	952	766	634	504	425	368	332	314	310
25	668	840	1063	1243	1385	1453	1483	1453	1385	1243	1063	840	668	514	413	343	308	290	286
30	700	911	1163	1359	1491	1553	1583	1553	1491	1359	1163	911	700	523	399	323	285	267	263
35	729	974	1254	1455	1601	1696	1738	1696	1601	1455	1254	974	729	532	387	302	261	242	237
40	753	1027	1331	1558	1788	1936	1969	1936	1788	1558	1331	1027	753	544	379	278	234	214	209
45	756	1052	1379	1708	2070	2283	2294	2283	2070	1708	1379	1052	756	547	369	254	204	183	178
50	704	1011	1357	1892	2461	2601	2490	2601	2461	1892	1357	1011	704	517	343	224	173	152	148
55	561	857	1206	1975	2752	2577	2282	2577	2752	1975	1206	857	561	418	287	179	143	125	121
60	393	635	925	1687	2448	2123	1751	2123	2448	1687	925	635	393	298	206	133	112	98.6	95.2
65	233	395	599	1032	1647	1246	893	1246	1647	1032	599	395	233	208	132	92.0	79.6	70.3	67.0
70	128	184	332	569	802	661	454	661	802	569	332	184	128	125	82.5	61.3	52.6	46.0	43.6
75	68.5	80.5	117	264	371	320	209	320	371	264	117	80.5	68.5	67.9	49.6	36.0	29.1	24.7	23.4
80	30.5	33.3	34.1	84.7	124	104	65.3	104	124	84.7	34.1	33.3	30.5	29.2	22.3	15.4	12.1	10.2	9.62
85	6.84	6.65	5.03	8.40	10.5	6.49	5.02	6.49	10.5	8.40	5.03	6.65	6.84	7.28	5.53	5.12	5.41	5.12	4.76
90	0.93	0.20	0.21	0.22	0.23	0.24	0.24	0.24	0.23	0.22	0.21	0.20	0.93	2.46	3.98	5.99	7.25	7.09	6.61

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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	534	536	535	536	536														
5	442	451	465	485	510														
10	388	398	419	453	499														
15	350	366	392	434	498														
20	314	332	368	425	504														
25	290	308	343	413	514														
30	267	285	323	399	523														
35	242	261	302	387	532														
40	214	234	278	379	544														
45	183	204	254	369	547														
50	152	173	224	343	517														
55	125	143	179	287	418														
60	98.6	112	133	206	298														
65	70.3	79.6	92.0	132	208														
70	46.0	52.6	61.3	82.5	125														
75	24.7	29.1	36.0	49.6	67.9														
80	10.2	12.1	15.4	22.3	29.2														
85	5.12	5.41	5.12	5.53	7.28														
90	7.09	7.25	5.99	3.98	2.46														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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: