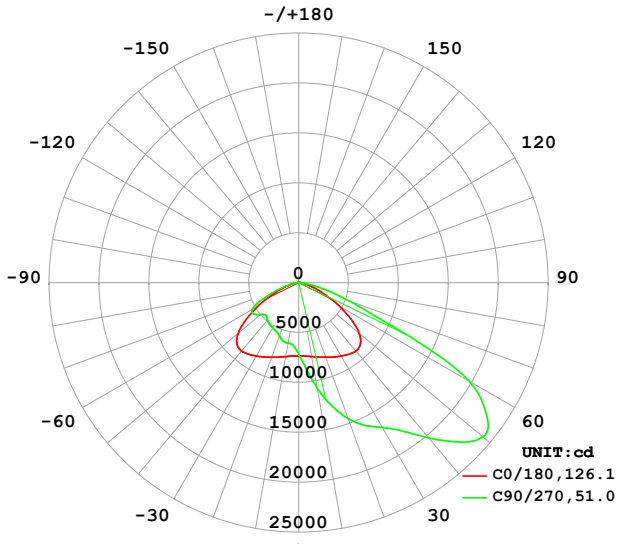
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:41895x1 lm		
NAME: FL72-500(250W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

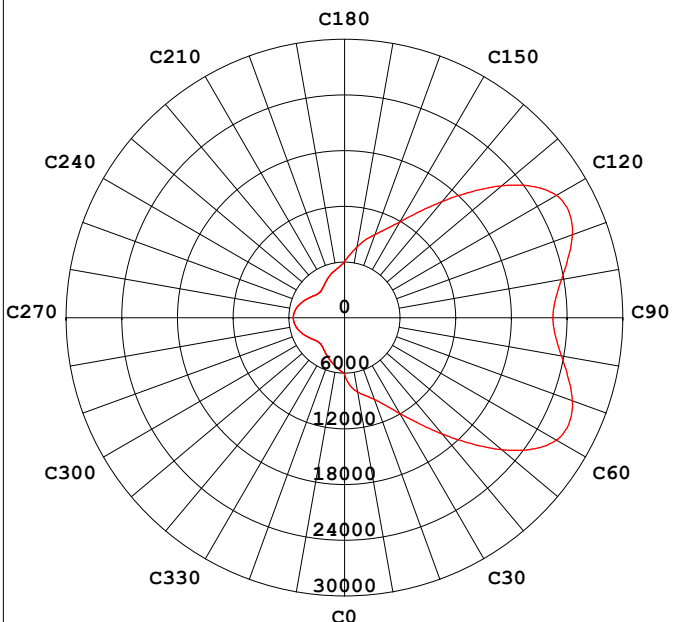
DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.93 lm/W			
MODEL	/	Imax(cd)	26394	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	41895	η house_up(%)	0.0
NOMINAL FLUX(lm)	41895	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):88.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

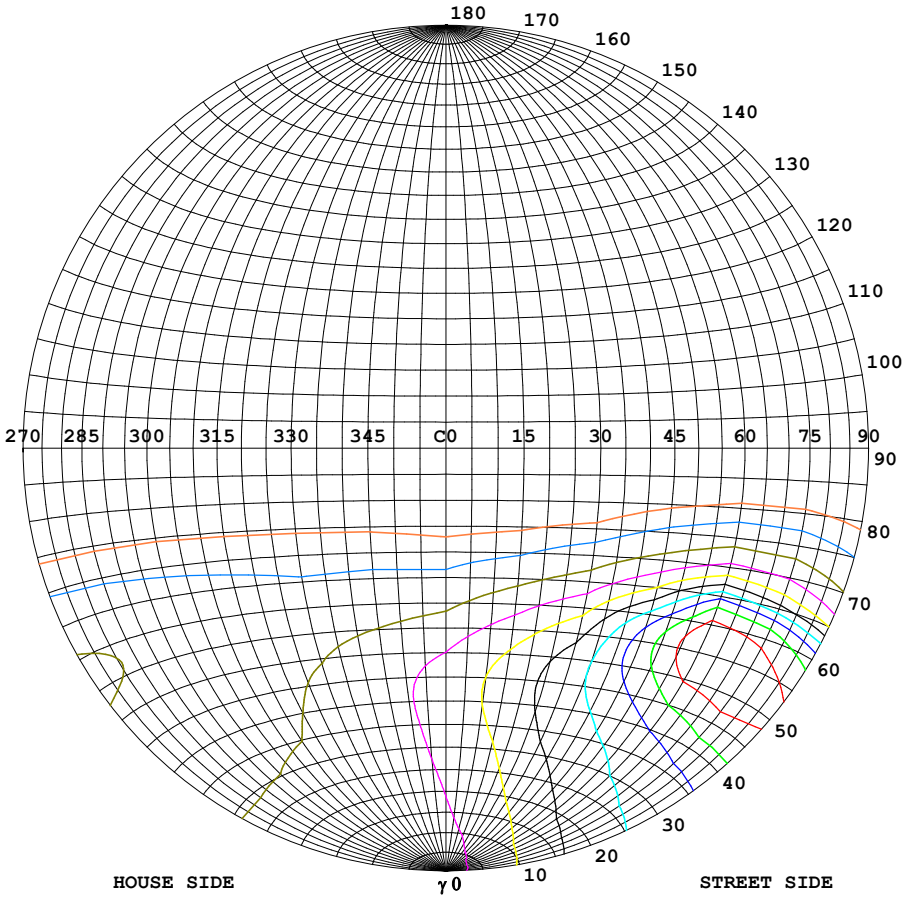


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:

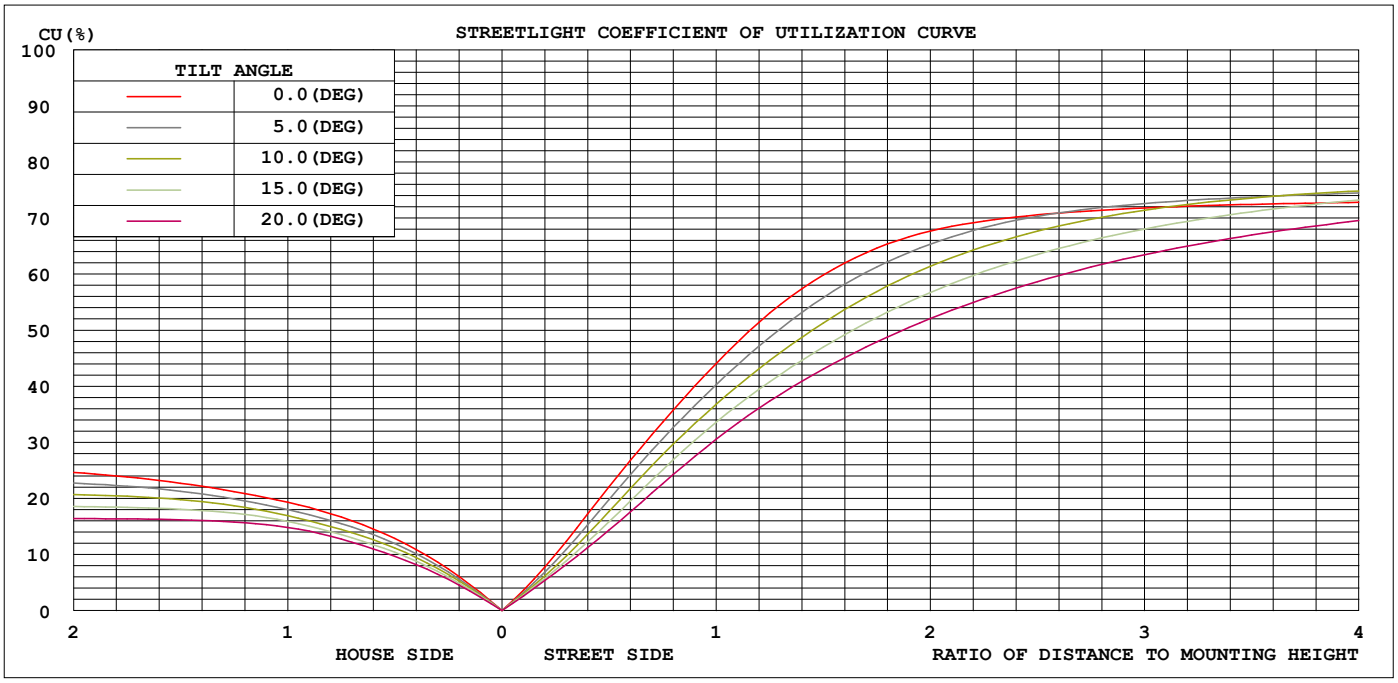
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

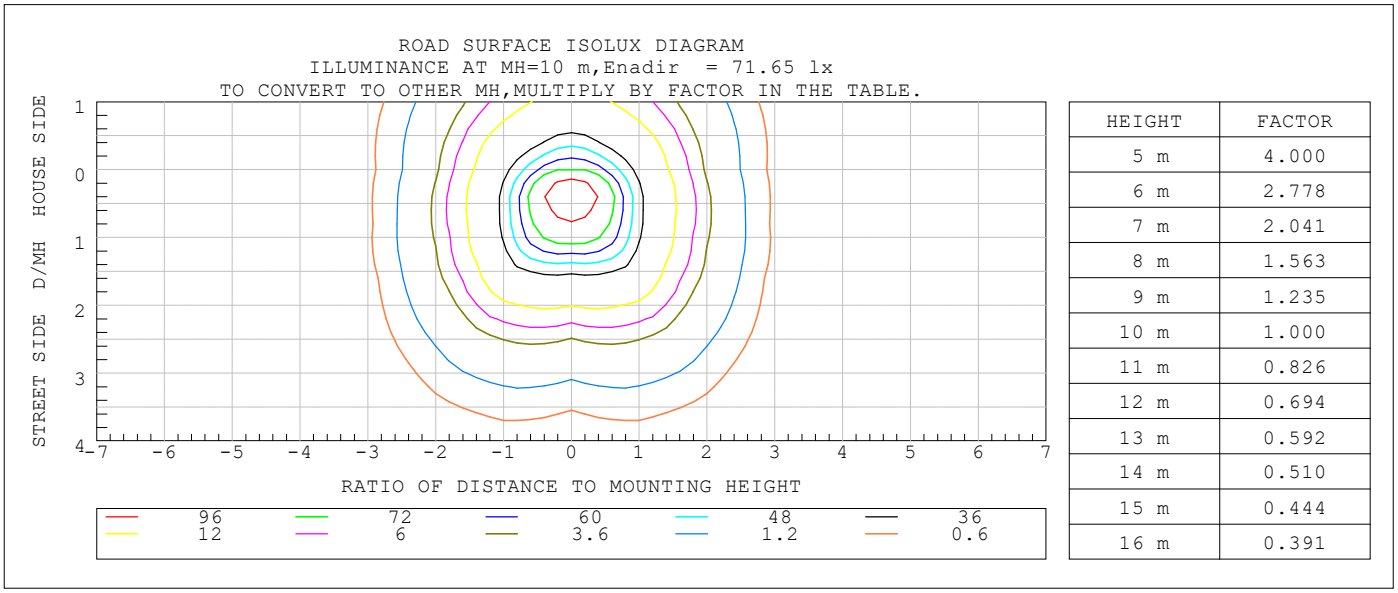
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	26394
90%	23755
80%	21116
70%	18476
60%	15837
50%	13197
40%	10558
30%	7918
20%	5279
10%	2639
5%	1320

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2026-01-15

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:

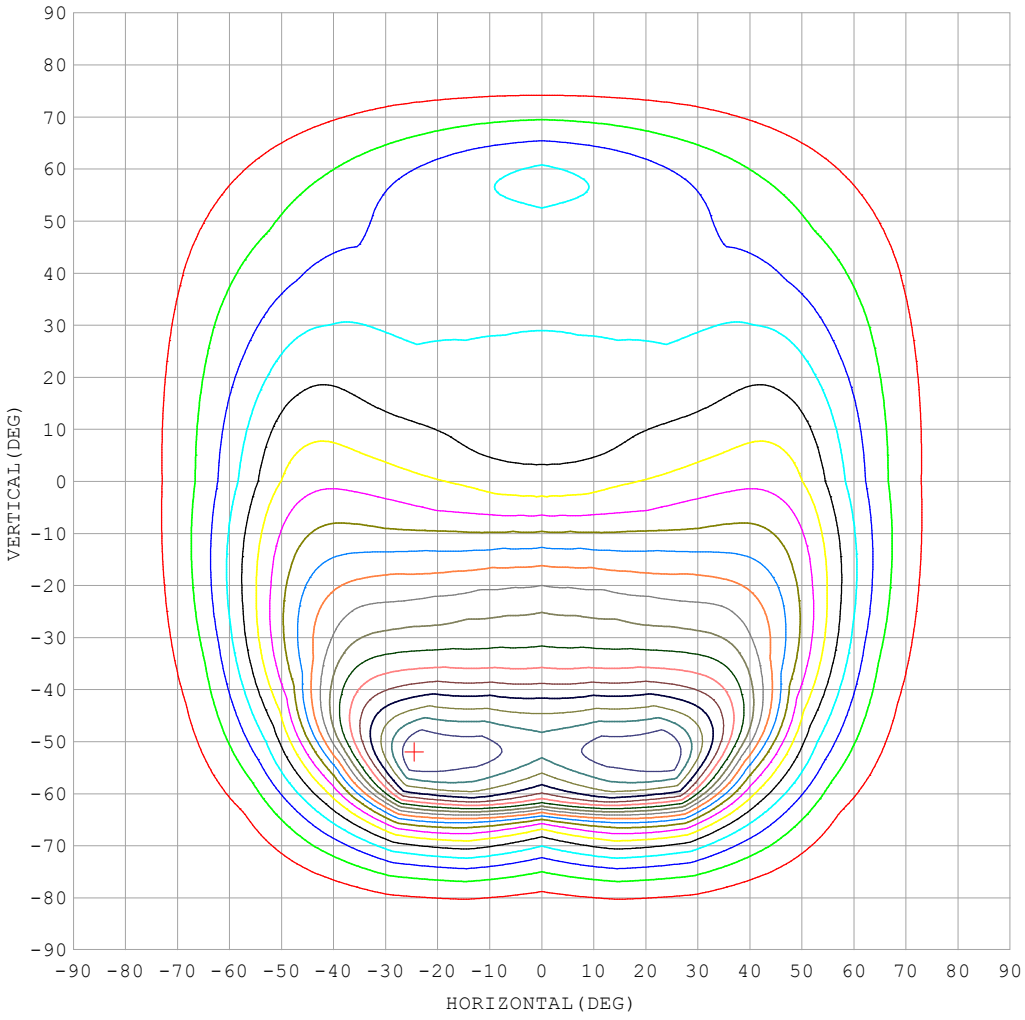
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	753.0	941.0	1071	941.0	753.0	625.2	617.1	625.2	0- 10	719.3	719.3	1.72,1.72
20	797.5	1226	1449	1226	797.5	609.3	568.5	609.3	10- 20	2432	3151	7.52,7.52
30	850.0	1452	1676	1452	850.0	550.6	523.9	550.6	20- 30	4409	7560	18,18
40	894.3	1647	2033	1647	894.3	501.9	488.7	501.9	30- 40	6492	14052	33.5,33.5
50	792.9	1920	2406	1920	792.9	436.8	498.9	436.8	40- 50	8791	22843	54.5,54.5
60	471.6	1648	1966	1648	471.6	354.4	539.9	354.4	50- 60	10003	32845	78.4,78.4
70	185.2	615.5	535.2	615.5	185.2	211.7	246.1	211.7	60- 70	6650	39495	94.3,94.3
80	46.88	112.2	101.2	112.2	46.88	54.07	46.92	54.07	70- 80	2135	41630	99.4,99.4
90	1.276	0.3404	0.3808	0.3404	1.276	6.504	7.581	6.504	80- 90	264.8	41895	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:2026-01-15

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



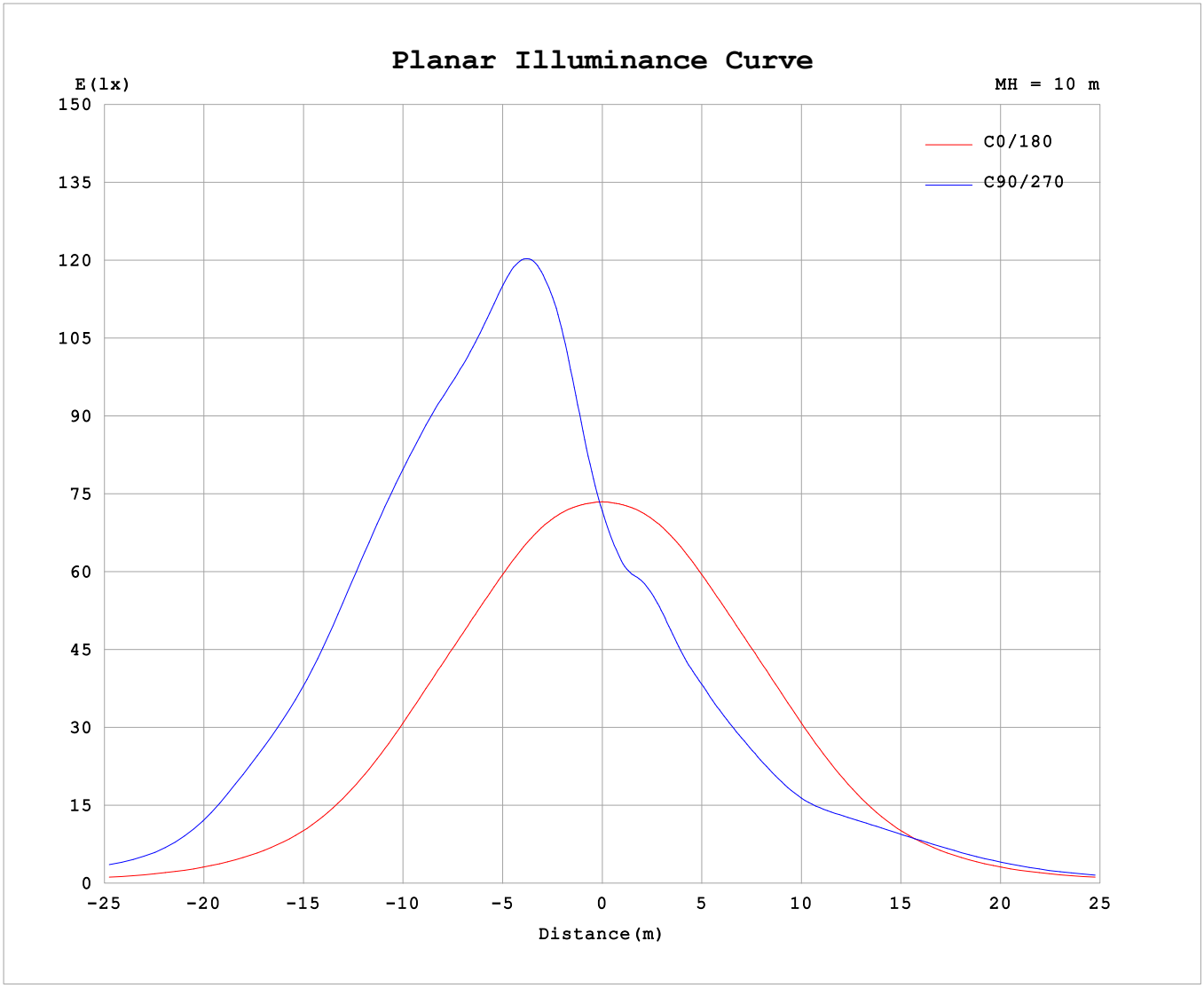
Imax:26371(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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



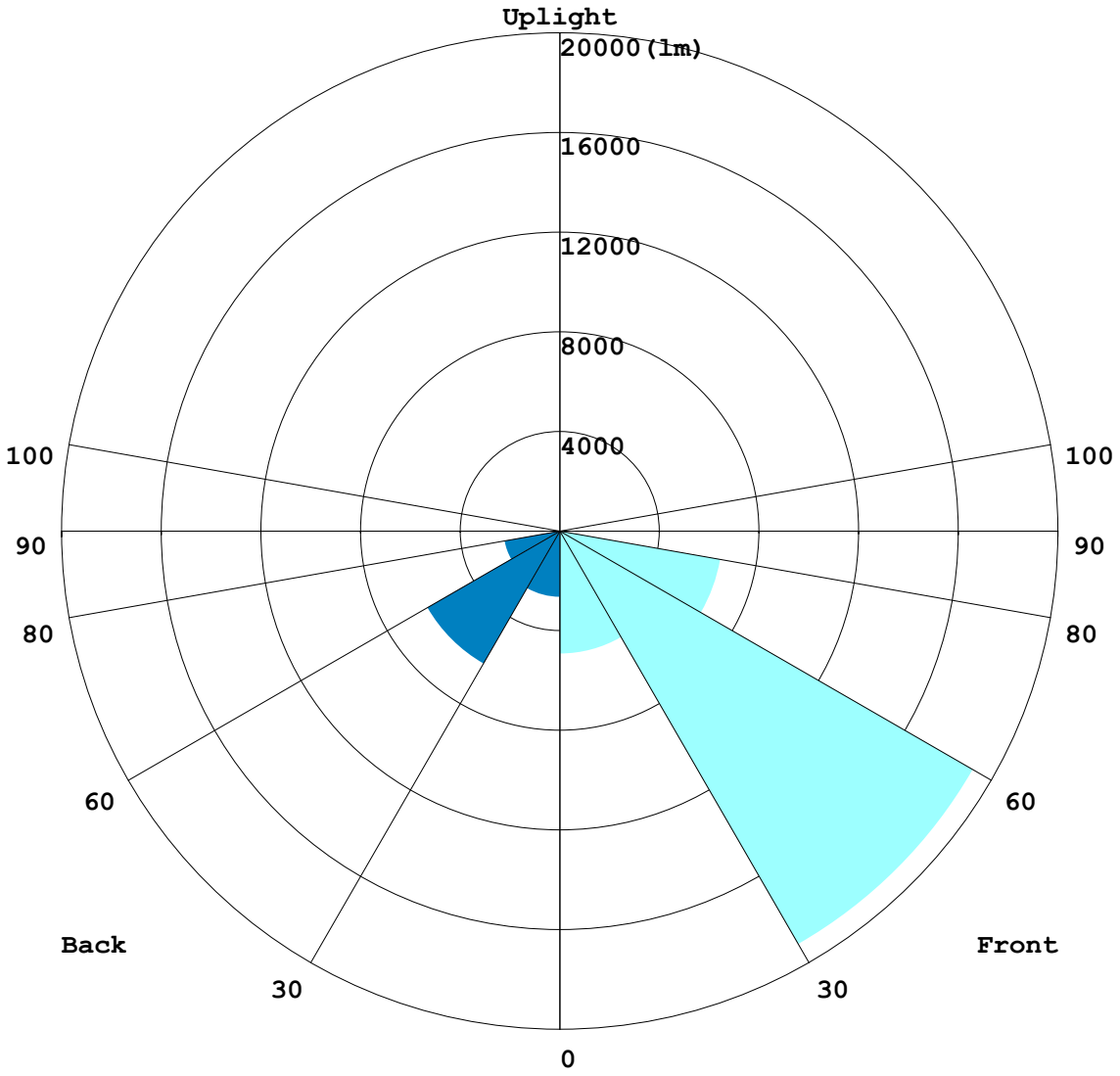
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:41895x1 lm		
NAME: FL72-500(250W)-F04803	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:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:41895x1 lm		
NAME: FL72-500(250W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4916.9	11.7
FM - Front-Medium(30-60)	19147	45.7
FH - Front-High(60-80)	6535.8	15.6
FVH - Front-Very High(80-90)	164.12	0.4
Total Forward Light	30764	73.4
BL - Back-Low(0-30)	2643.2	6.3
BM - Back-Medium(30-60)	6137.6	14.6
BH - Back-High(60-80)	2249.4	5.4
BVH - Back-Very High(80-90)	100.69	0.2
Total Back Light	11131	26.6
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	B4-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11131	0	11131
Street Side	30764	0	30764

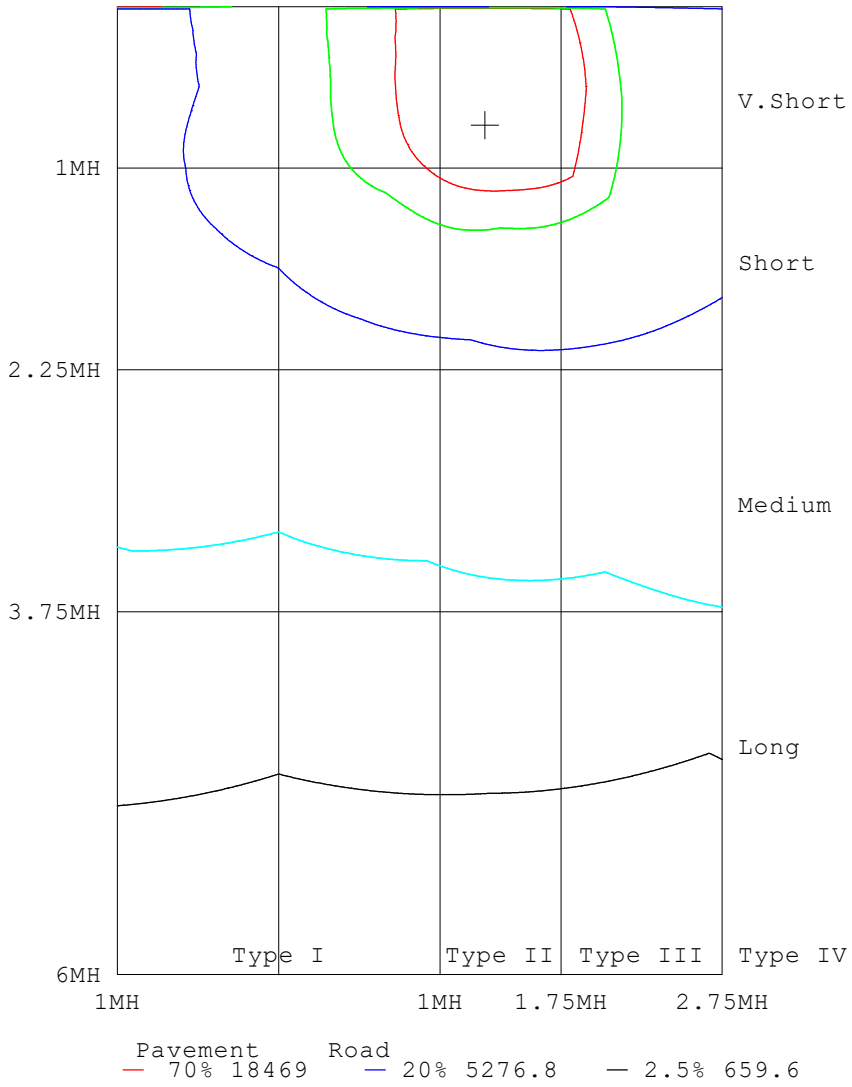
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:41895x1 lm		
NAME: FL72-500(250W)-F04803	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:2026-01-15

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	735	717	717	716	717	715	717	715	717	716	717	717	735	717	717	716	717	715	717
5	739	751	784	809	841	852	864	852	841	809	784	751	739	695	673	655	644	637	636
10	753	798	871	941	1013	1049	1071	1049	1013	941	871	798	753	685	648	625	618	617	617
15	774	853	972	1090	1193	1246	1273	1246	1193	1090	972	853	774	684	641	625	614	607	606
20	798	912	1079	1226	1350	1418	1449	1418	1350	1226	1079	912	798	690	645	609	585	571	569
25	823	973	1179	1347	1481	1549	1578	1549	1481	1347	1179	973	823	700	633	578	551	541	541
30	850	1035	1271	1452	1583	1649	1676	1649	1583	1452	1271	1035	850	707	611	551	529	523	524
35	877	1095	1357	1546	1687	1780	1816	1780	1687	1546	1357	1095	877	710	593	527	508	506	510
40	894	1142	1429	1647	1858	1999	2033	1999	1858	1647	1429	1142	894	716	580	502	483	485	489
45	874	1147	1460	1782	2113	2261	2256	2261	2113	1782	1460	1147	874	702	561	473	451	457	465
50	793	1076	1411	1920	2402	2507	2406	2507	2402	1920	1411	1076	793	644	516	437	422	472	499
55	642	911	1243	1942	2630	2533	2296	2533	2630	1942	1243	911	642	533	444	394	434	513	549
60	472	691	964	1648	2444	2282	1966	2282	2444	1648	964	691	472	404	359	354	426	495	540
65	306	457	652	1057	1761	1433	1051	1433	1761	1057	652	457	306	299	279	303	343	381	409
70	185	244	386	615	865	770	535	770	865	615	386	244	185	200	200	212	223	237	246
75	103	119	165	305	419	393	266	393	419	305	165	119	103	118	119	120	121	116	115
80	46.9	51.7	57.1	112	159	154	101	154	159	112	57.1	51.7	46.9	54.5	53.2	54.1	52.7	49.8	46.9
85	10.5	11.1	10.9	18.4	31.5	30.6	20.0	30.6	31.5	18.4	10.9	11.1	10.5	12.9	13.1	13.5	13.9	12.9	12.6
90	1.28	0.29	0.31	0.34	0.36	0.37	0.38	0.37	0.36	0.34	0.31	0.29	1.28	3.01	4.47	6.50	7.89	7.96	7.58

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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	715	717	716	717	717														
5	637	644	655	673	695														
10	617	618	625	648	685														
15	607	614	625	641	684														
20	571	585	609	645	690														
25	541	551	578	633	700														
30	523	529	551	611	707														
35	506	508	527	593	710														
40	485	483	502	580	716														
45	457	451	473	561	702														
50	472	422	437	516	644														
55	513	434	394	444	533														
60	495	426	354	359	404														
65	381	343	303	279	299														
70	237	223	212	200	200														
75	116	121	120	119	118														
80	49.8	52.7	54.1	53.2	54.5														
85	12.9	13.9	13.5	13.1	12.9														
90	7.96	7.89	6.50	4.47	3.01														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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: