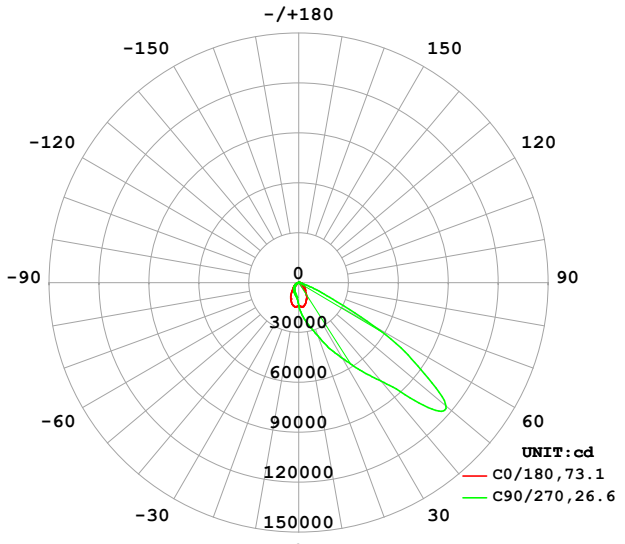
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:54118.2x1 lm		
NAME: FL72-500(500W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

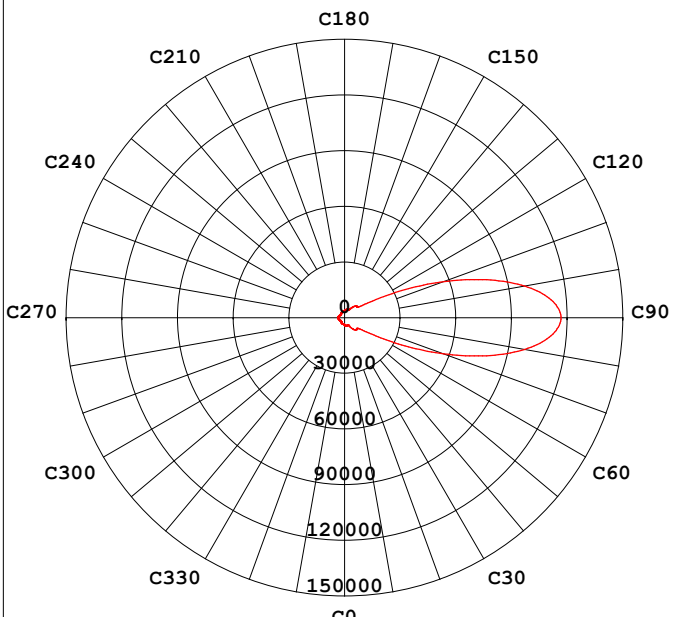
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 109.75 lm/W	
MODEL	/	Imax(cd)	116663	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	54118	η house_up(%)	0.0
NOMINAL FLUX(lm)	54118.2	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):49.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

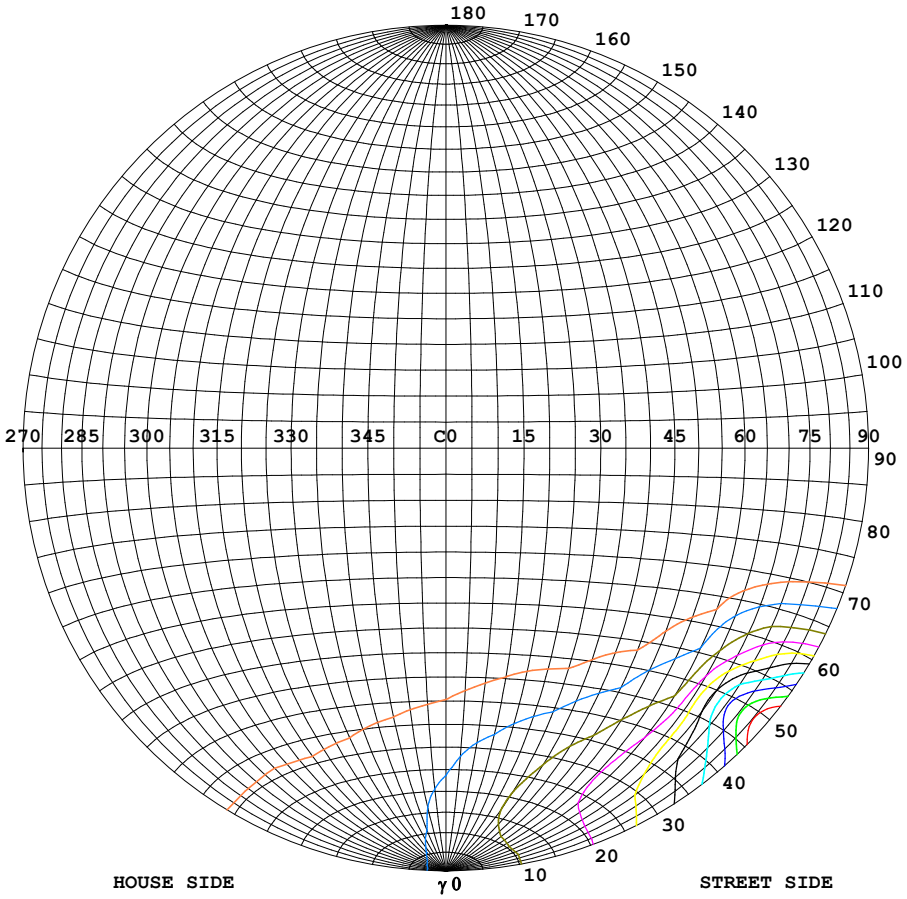


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

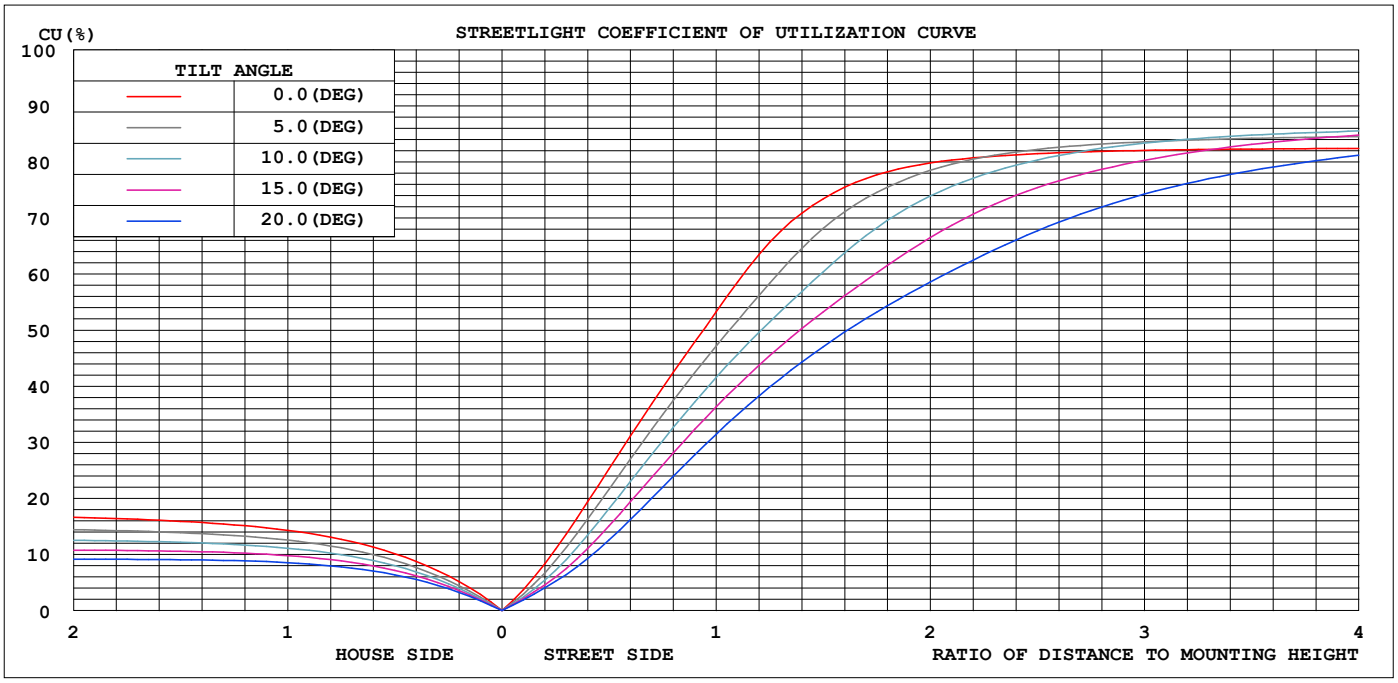
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

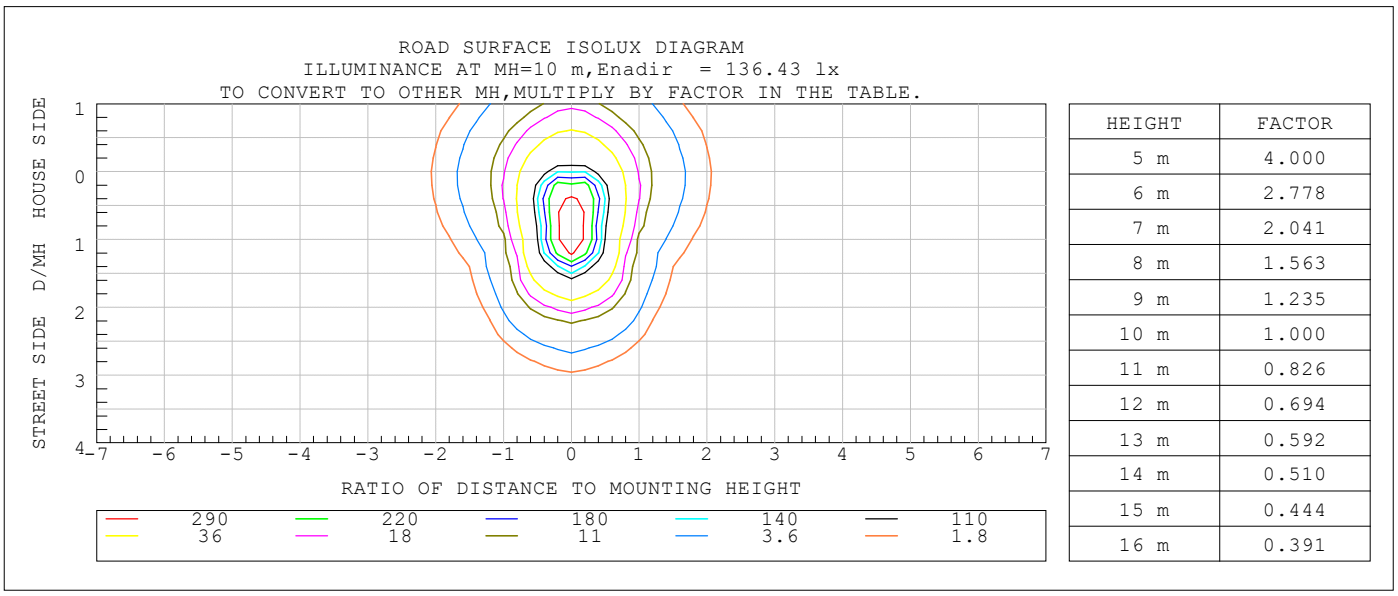
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	116663
90%	104996
80%	93330
70%	81664
60%	69998
50%	58331
40%	46665
30%	34999
20%	23333
10%	11666
5%	5833

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:

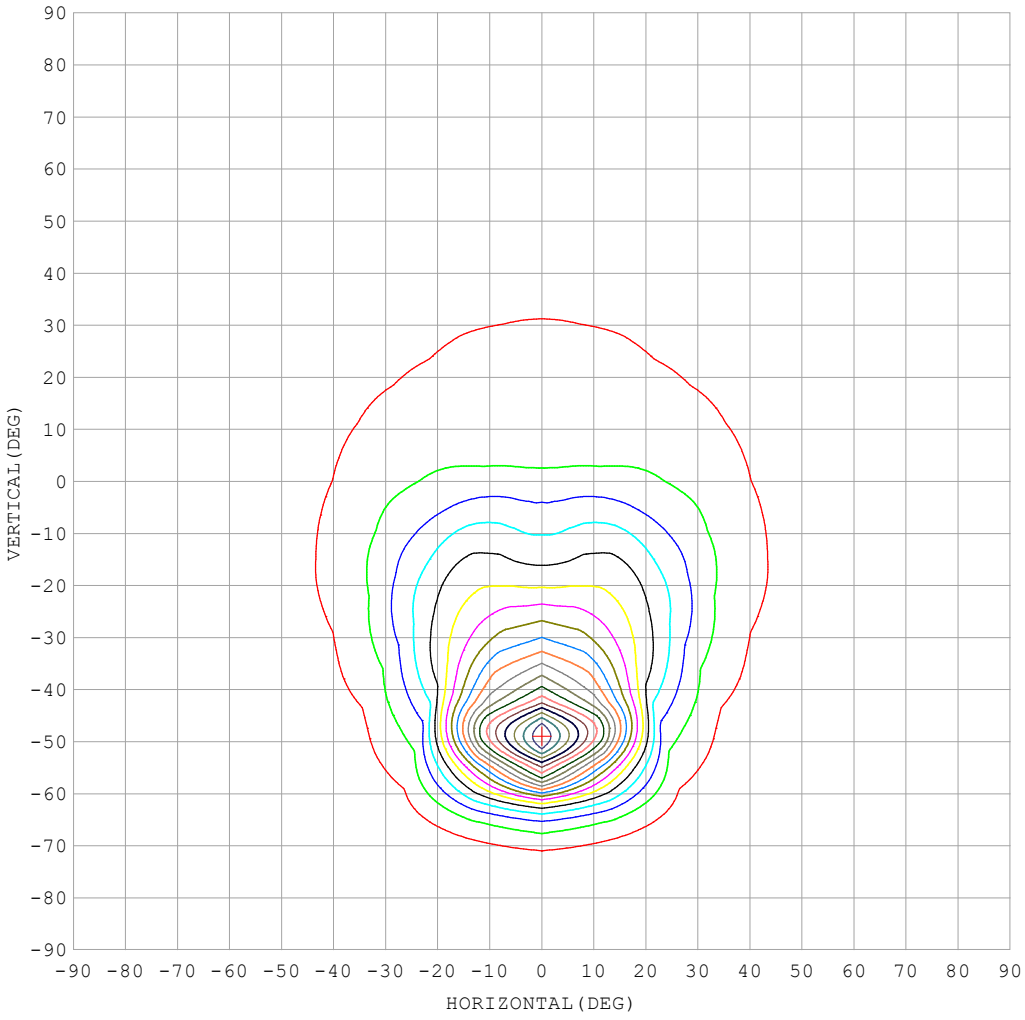
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	147.5	220.6	230.4	220.6	147.5	94.24	86.96	94.24	0- 10	1395	1395	2.58,2.58
20	128.3	294.1	343.4	294.1	128.3	77.65	70.33	77.65	10- 20	4728	6123	11.3,11.3
30	97.51	282.1	524.7	282.1	97.51	60.62	60.44	60.62	20- 30	8318	14440	26.7,26.7
40	59.03	185.3	774.5	185.3	59.03	45.37	48.05	45.37	30- 40	11024	25464	47.1,47.1
50	39.97	84.67	1157	84.67	39.97	29.82	35.85	29.82	40- 50	12958	38422	71,71
60	25.82	30.11	517.1	30.11	25.82	19.62	24.71	19.62	50- 60	10416	48838	90.2,90.2
70	15.20	12.38	73.64	12.38	15.20	10.43	11.00	10.43	60- 70	3976	52814	97.6,97.6
80	5.503	3.235	7.028	3.235	5.503	3.183	2.928	3.183	70- 80	1122	53937	99.7,99.7
90	0.0932	0.0237	0.0285	0.0237	0.0932	0.2009	0.9228	0.2009	80- 90	181.5	54118	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:X100cd									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:

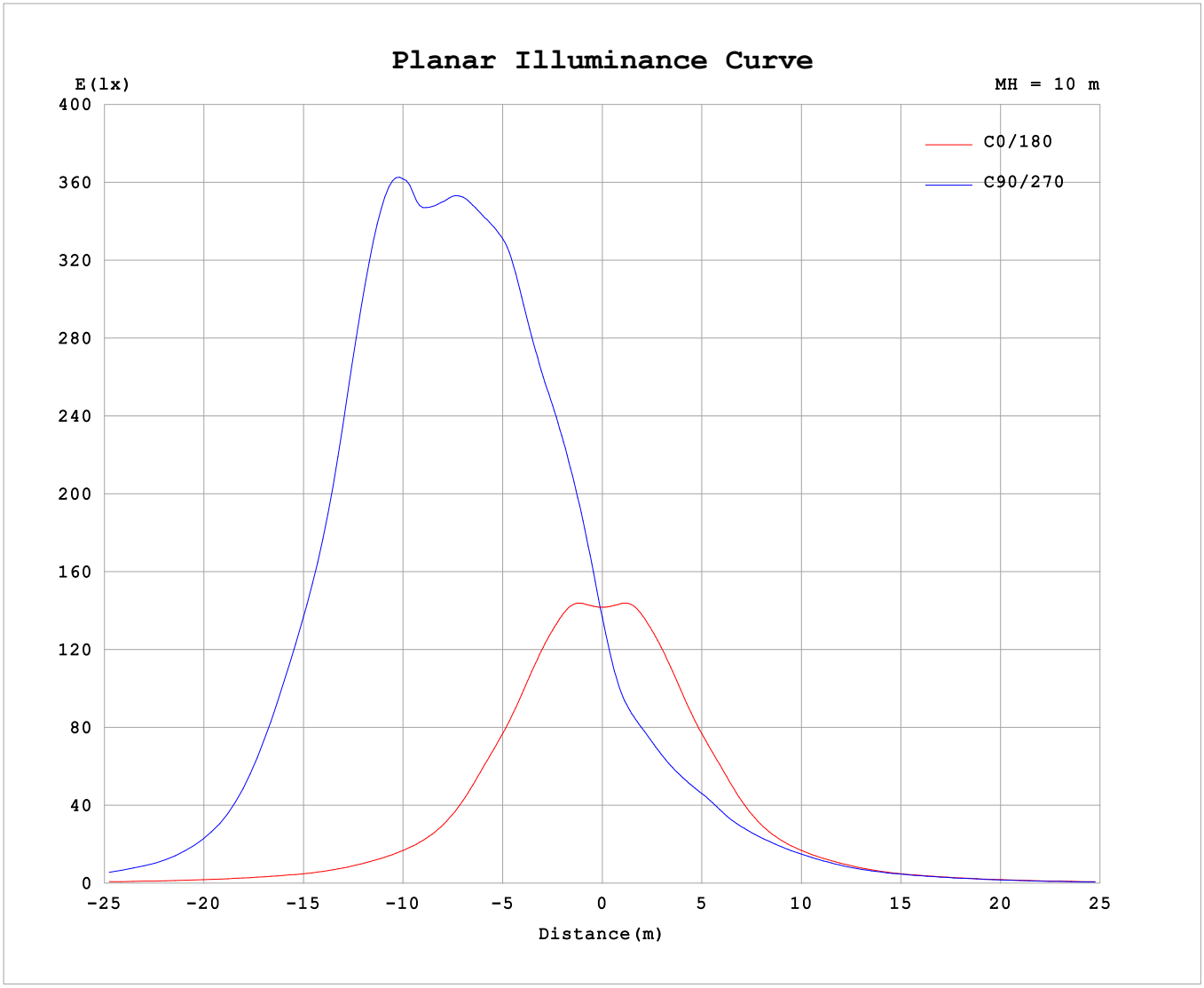
ISOCANDELA DIAGRAM



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



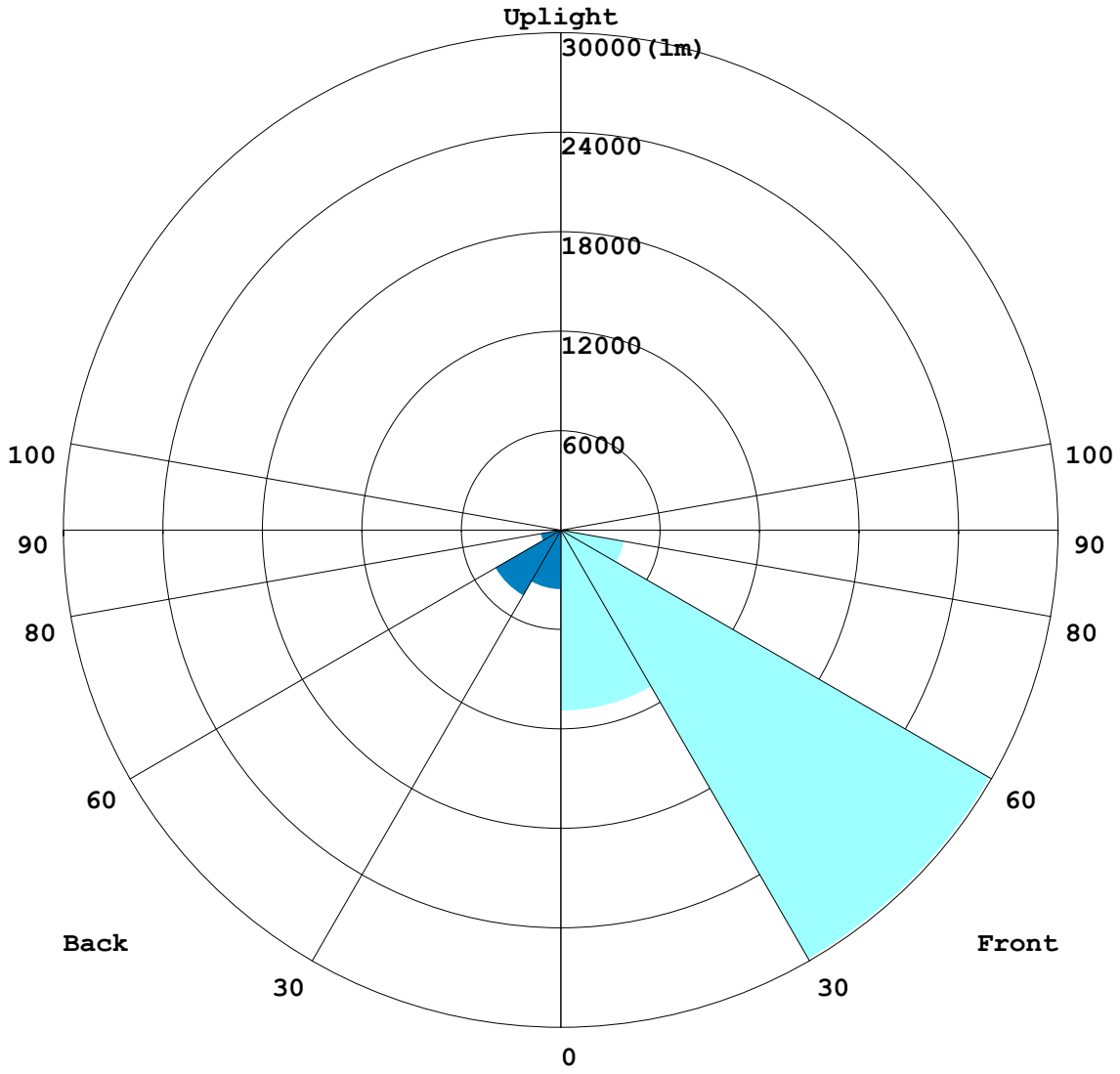
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:54118.2x1 lm		
NAME: FL72-500(500W)-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:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:54118.2x1 lm		
NAME: FL72-500(500W)-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)	10884	20.1
FM - Front-Medium(30-60)	29855	55.2
FH - Front-High(60-80)	3874.1	7.2
FVH - Front-Very High(80-90)	99.473	0.2
Total Forward Light	44712	82.6

BL - Back-Low(0-30)	3556.8	6.6
BM - Back-Medium(30-60)	4543.1	8.4
BH - Back-High(60-80)	1224.3	2.3
BVH - Back-Very High(80-90)	81.981	0.2
Total Back Light	9406.1	17.4

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	9406.1	0	9406.1
Street Side	44712	0	44712

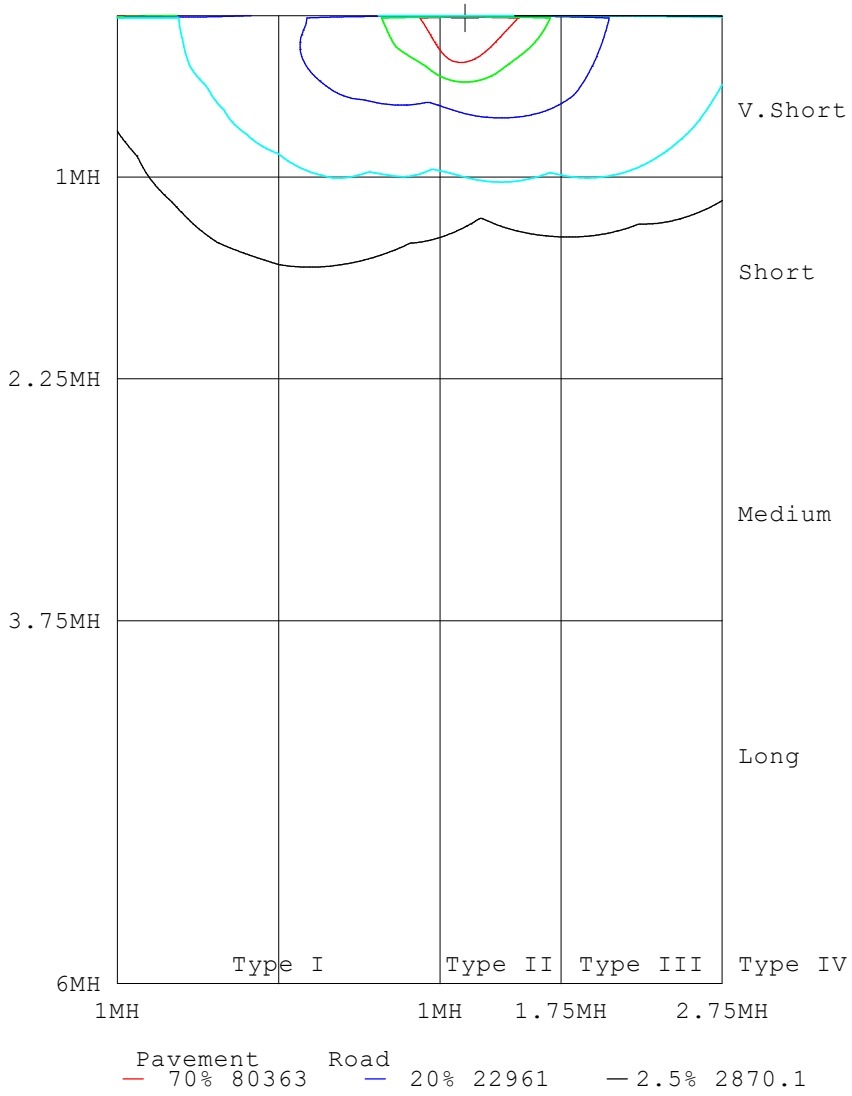
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:54118.2x1 lm		
NAME: FL72-500(500W)-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:2026-01-16

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: X100cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	142	136	137	136	137	136	137	136	137	136	137	136	142	136	137	136	137	136	137
5	145	152	164	173	180	182	184	182	180	173	164	152	145	128	118	110	105	102	101
10	147	171	201	221	229	229	230	229	229	221	201	171	147	118	103	94.2	89.7	87.4	87.0
15	141	177	228	265	281	279	279	279	281	265	228	177	141	108	93.1	85.4	81.2	78.7	78.0
20	128	169	234	294	326	338	343	338	326	294	234	169	128	97.8	85.2	77.7	73.1	70.8	70.3
25	112	152	220	300	359	410	435	410	359	300	220	152	112	85.9	75.2	69.0	66.7	65.6	65.8
30	97.5	133	194	282	373	474	525	474	373	282	194	133	97.5	74.8	64.7	60.6	60.7	60.0	60.4
35	77.3	105	157	244	367	544	641	544	367	244	157	105	77.3	63.1	55.7	53.0	52.5	52.3	53.0
40	59.0	76.5	109	185	334	612	774	612	334	185	109	76.5	59.0	51.3	47.3	45.4	43.4	46.5	48.0
45	48.0	59.2	76.2	125	261	717	1024	717	261	125	76.2	59.2	48.0	42.4	40.4	36.3	36.2	40.2	42.6
50	40.0	43.4	47.2	84.7	182	779	1157	779	182	84.7	47.2	43.4	40.0	35.6	33.5	29.8	29.7	33.3	35.9
55	31.2	32.7	34.6	46.3	124	535	874	535	124	46.3	34.6	32.7	31.2	29.5	26.0	24.6	23.9	26.9	29.4
60	25.8	26.0	26.3	30.1	78.6	312	517	312	78.6	30.1	26.3	26.0	25.8	23.5	20.8	19.6	19.0	21.9	24.7
65	20.4	20.7	19.4	19.5	44.7	138	188	138	44.7	19.5	19.4	20.7	20.4	19.3	16.3	14.7	14.0	16.4	18.7
70	15.2	14.6	13.9	12.4	24.5	51.1	73.6	51.1	24.5	12.4	13.9	14.6	15.2	14.5	12.4	10.4	9.38	9.95	11.0
75	11.0	11.1	15.3	6.93	11.0	17.0	22.8	17.0	11.0	6.93	15.3	11.1	11.0	10.0	8.82	6.63	5.64	5.75	6.25
80	5.50	5.30	5.67	3.24	3.78	4.90	7.03	4.90	3.78	3.24	5.67	5.30	5.50	5.80	4.62	3.18	2.83	2.77	2.93
85	2.38	1.75	3.52	0.81	0.63	0.87	1.41	0.87	0.63	0.81	3.52	1.75	2.38	1.43	1.13	0.87	0.83	0.96	1.11
90	0.09	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.09	0.16	0.16	0.20	0.39	0.73	0.92

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: X100cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	136	137	136	137	136														
5	102	105	110	118	128														
10	87.4	89.7	94.2	103	118														
15	78.7	81.2	85.4	93.1	108														
20	70.8	73.1	77.7	85.2	97.8														
25	65.6	66.7	69.0	75.2	85.9														
30	60.0	60.7	60.6	64.7	74.8														
35	52.3	52.5	53.0	55.7	63.1														
40	46.5	43.4	45.4	47.3	51.3														
45	40.2	36.2	36.3	40.4	42.4														
50	33.3	29.7	29.8	33.5	35.6														
55	26.9	23.9	24.6	26.0	29.5														
60	21.9	19.0	19.6	20.8	23.5														
65	16.4	14.0	14.7	16.3	19.3														
70	9.95	9.38	10.4	12.4	14.5														
75	5.75	5.64	6.63	8.82	10.0														
80	2.77	2.83	3.18	4.62	5.80														
85	0.96	0.83	0.87	1.13	1.43														
90	0.73	0.39	0.20	0.16	0.16														

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: