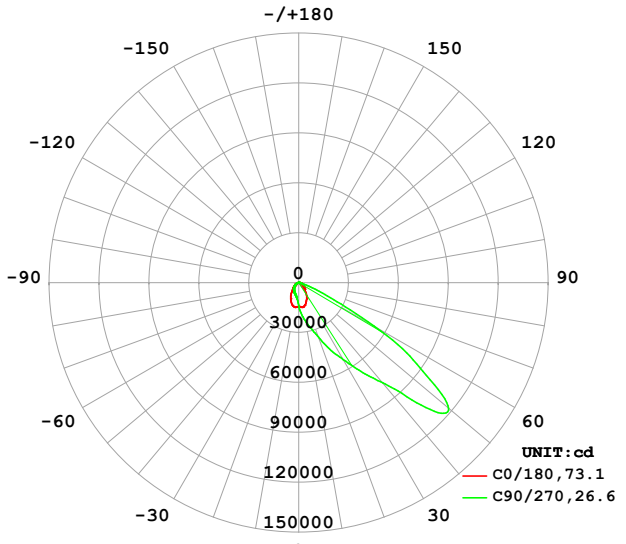
STREETLIGHT PHOTOMETRIC TEST REPORT

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:55013.4x1 lm		
NAME: FL72-500(500W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

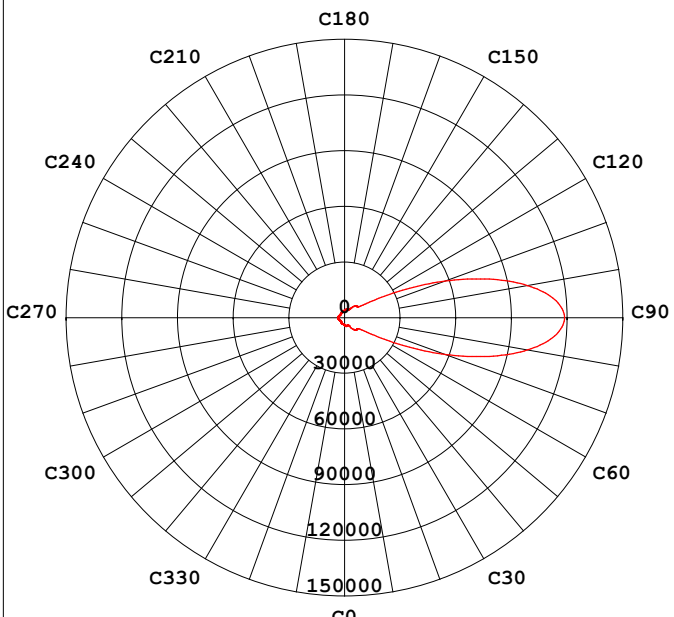
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 111.57 lm/W	
MODEL	/	Imax(cd)	118592	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	55013	η house_up(%)	0.0
NOMINAL FLUX(lm)	55013.4	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	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

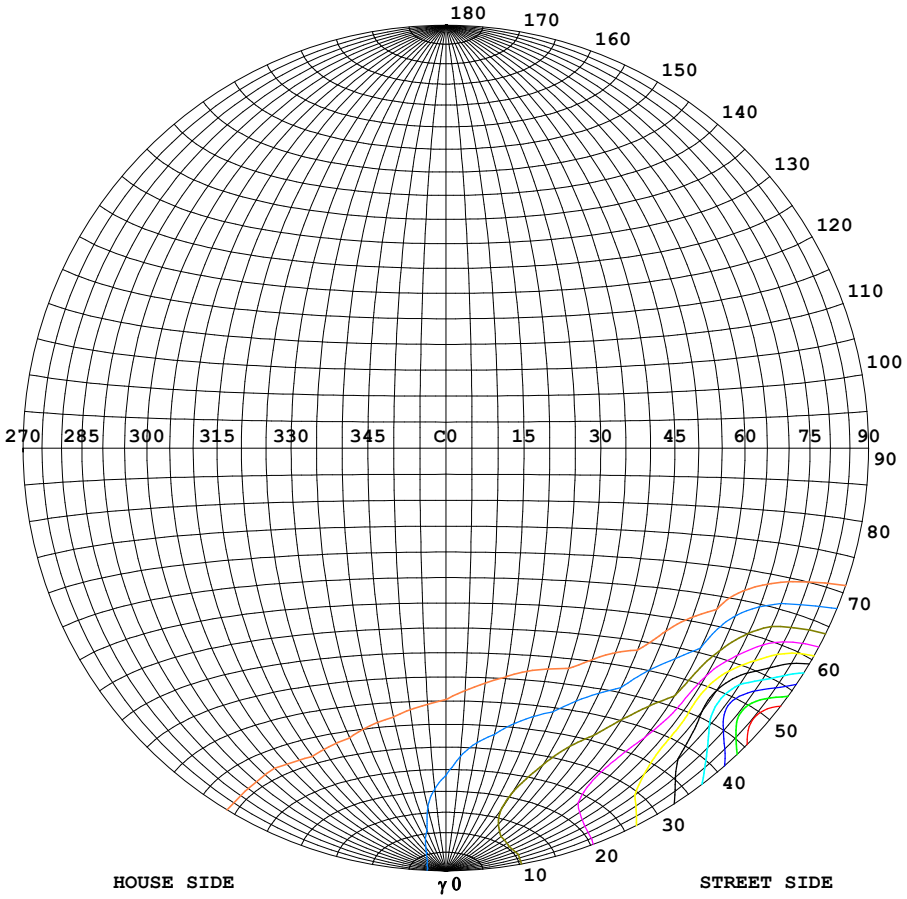


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

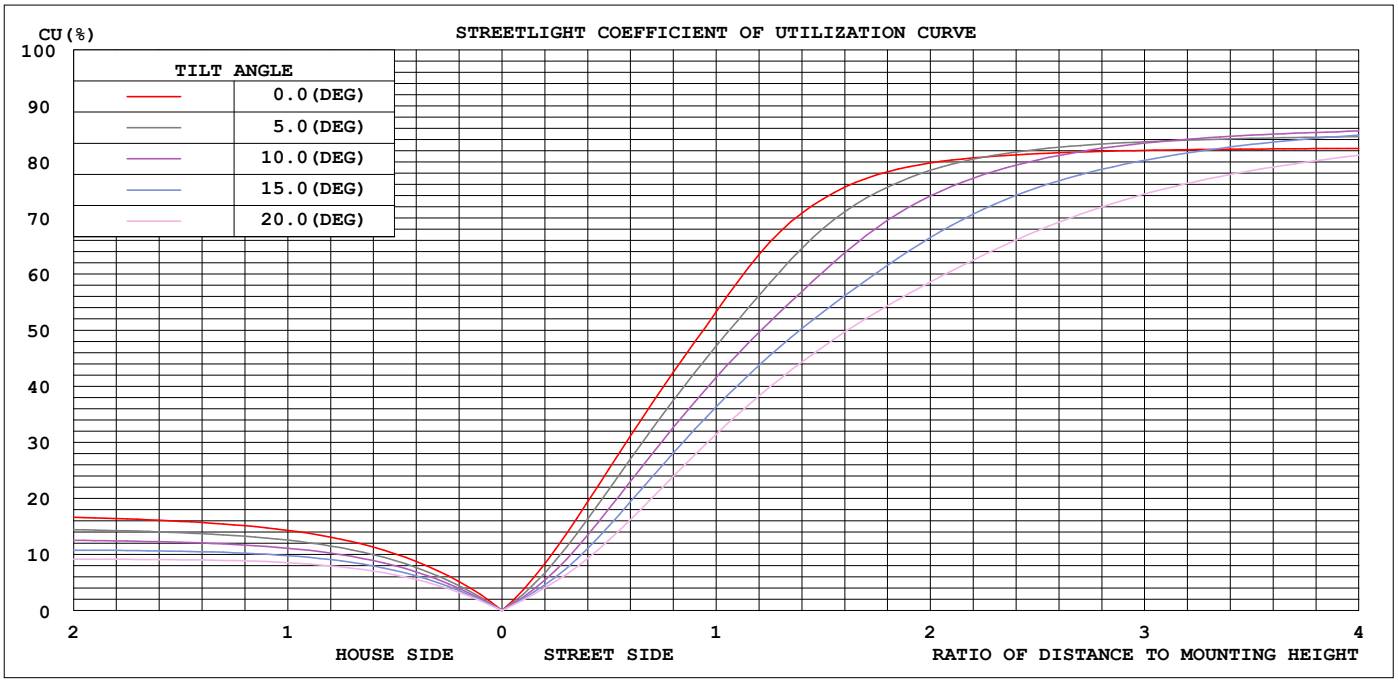
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

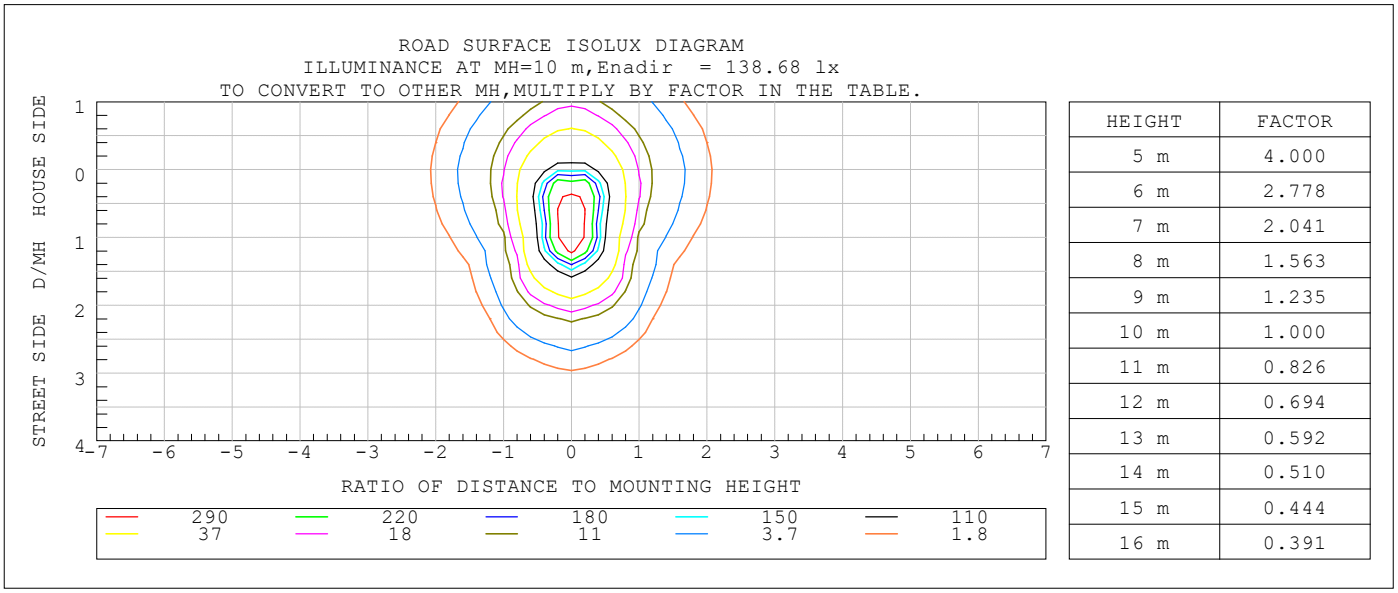
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	118592
90%	106733
80%	94874
70%	83015
60%	71155
50%	59296
40%	47437
30%	35578
20%	23718
10%	11859
5%	5930

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:

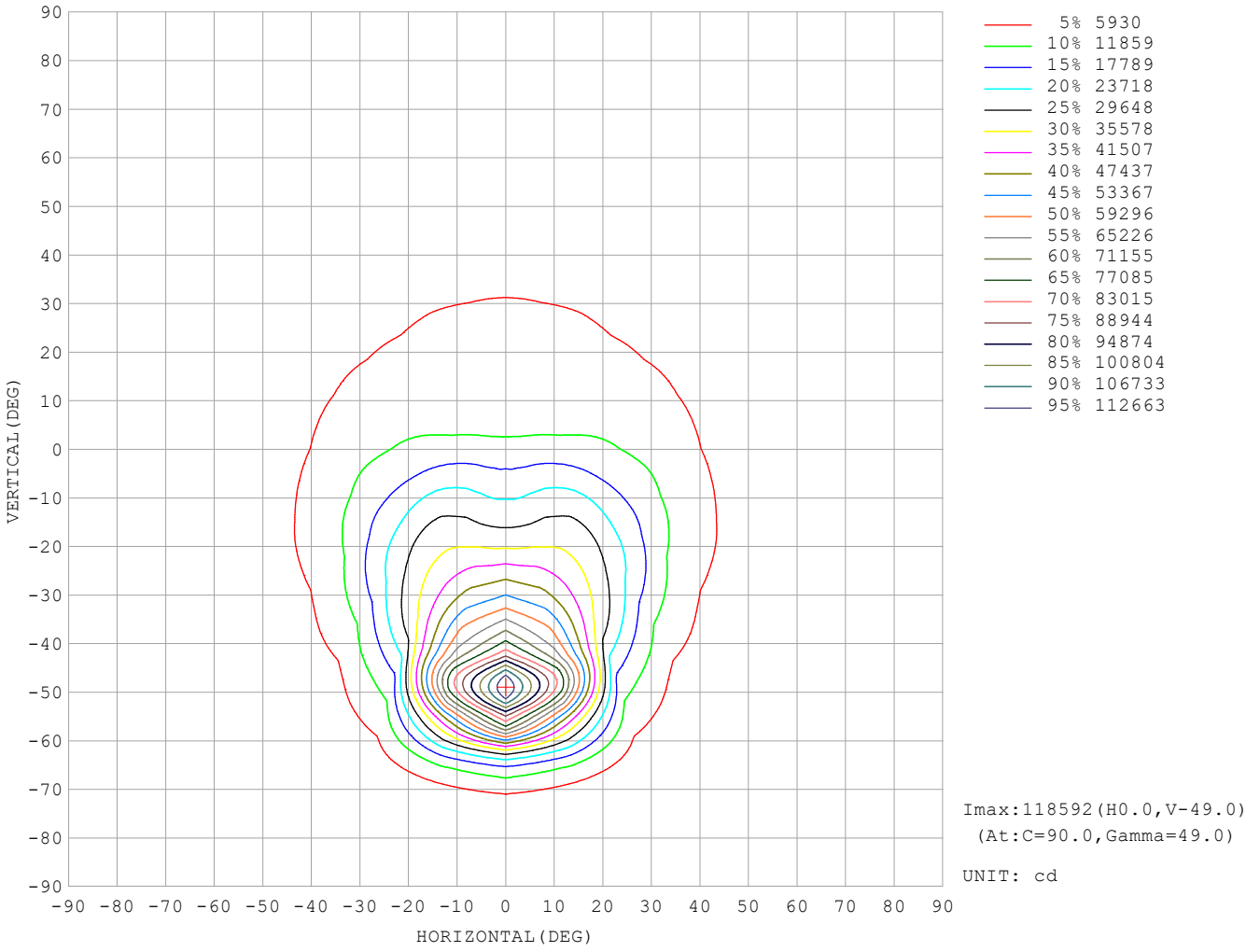
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	149.9	224.2	234.2	224.2	149.9	95.80	88.40	95.80	0- 10	1418	1418	2.58,2.58
20	130.4	299.0	349.1	299.0	130.4	78.94	71.49	78.94	10- 20	4806	6224	11.3,11.3
30	99.12	286.8	533.4	286.8	99.12	61.63	61.44	61.63	20- 30	8455	14679	26.7,26.7
40	60.01	188.4	787.3	188.4	60.01	46.12	48.84	46.12	30- 40	11206	25886	47.1,47.1
50	40.63	86.07	1176	86.07	40.63	30.31	36.44	30.31	40- 50	13172	39058	71,71
60	26.25	30.61	525.6	30.61	26.25	19.95	25.12	19.95	50- 60	10588	49646	90.2,90.2
70	15.45	12.58	74.86	12.58	15.45	10.60	11.19	10.60	60- 70	4042	53688	97.6,97.6
80	5.594	3.289	7.145	3.289	5.594	3.235	2.976	3.235	70- 80	1141	54829	99.7,99.7
90	0.0947	0.0241	0.0290	0.0241	0.0947	0.2042	0.9381	0.2042	80- 90	184.5	55013	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:

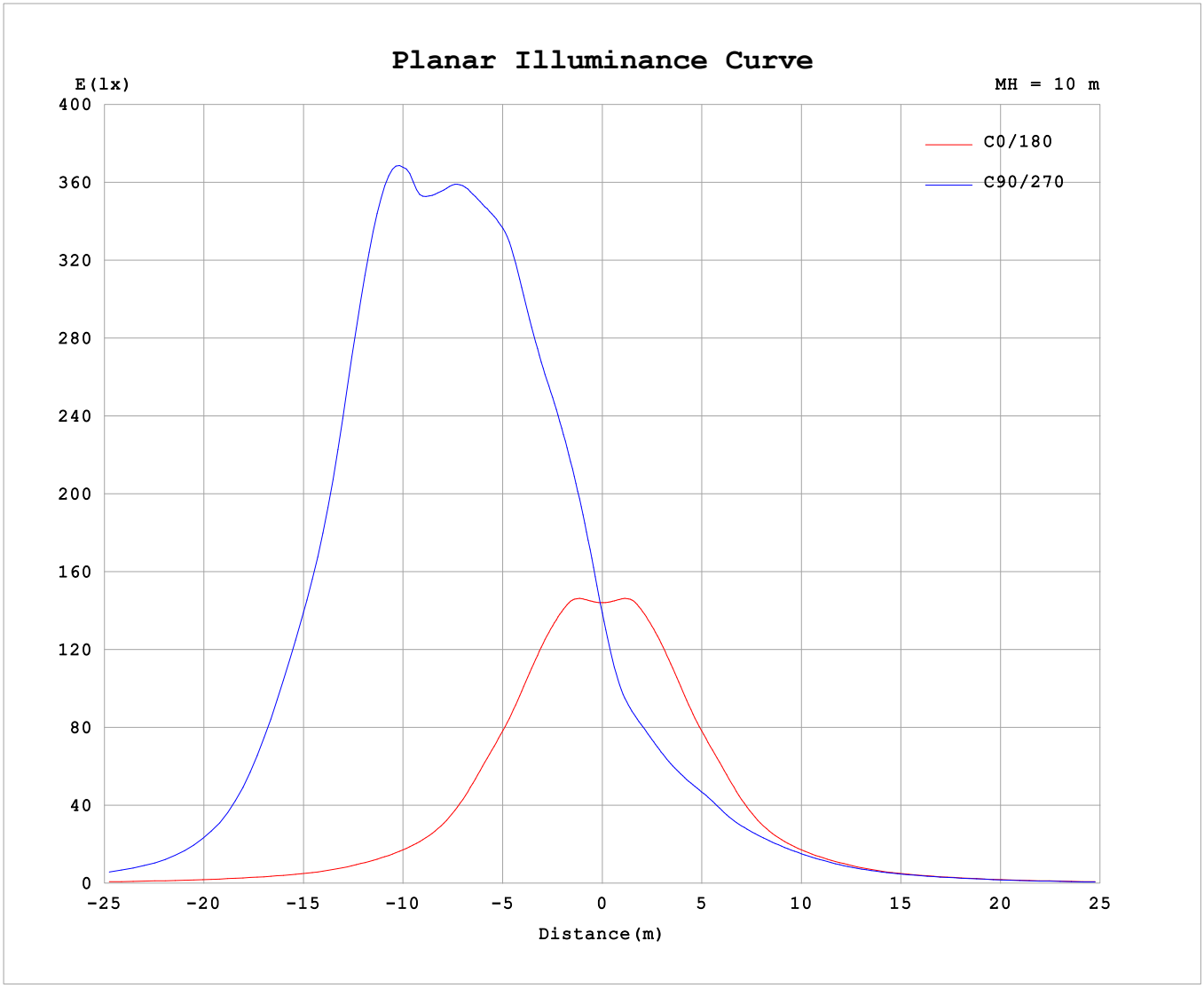
ISOCANDELA DIAGRAM



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



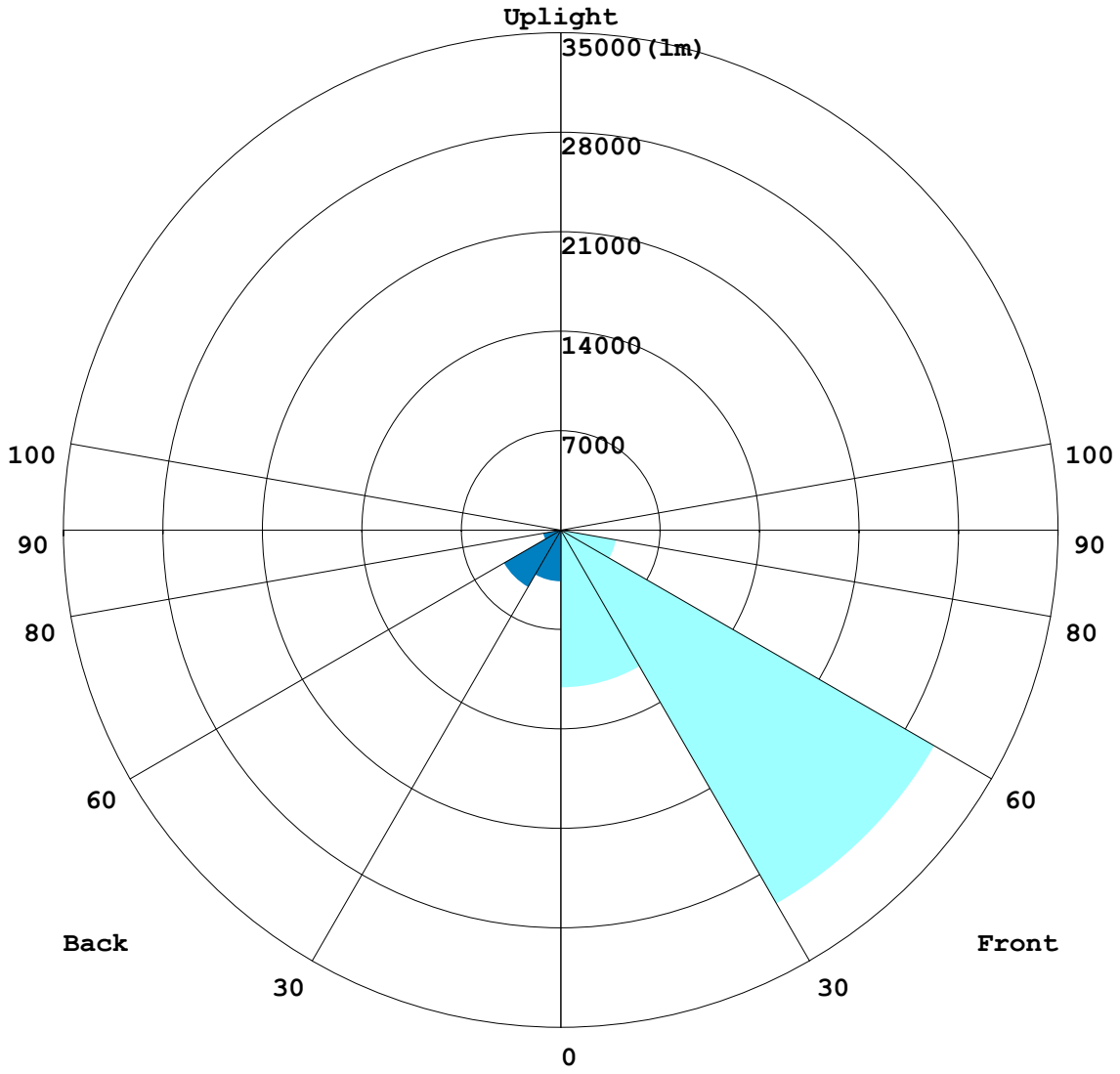
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:55013.4x1 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:55013.4x1 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)	11064	20.1
FM - Front-Medium(30-60)	30349	55.2
FH - Front-High(60-80)	3938.2	7.2
FVH - Front-Very High(80-90)	101.12	0.2
Total Forward Light	45452	82.6

BL - Back-Low(0-30)	3615.6	6.6
BM - Back-Medium(30-60)	4618.2	8.4
BH - Back-High(60-80)	1244.5	2.3
BVH - Back-Very High(80-90)	83.337	0.2
Total Back Light	9561.7	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	9561.7	0	9561.7
Street Side	45452	0	45452

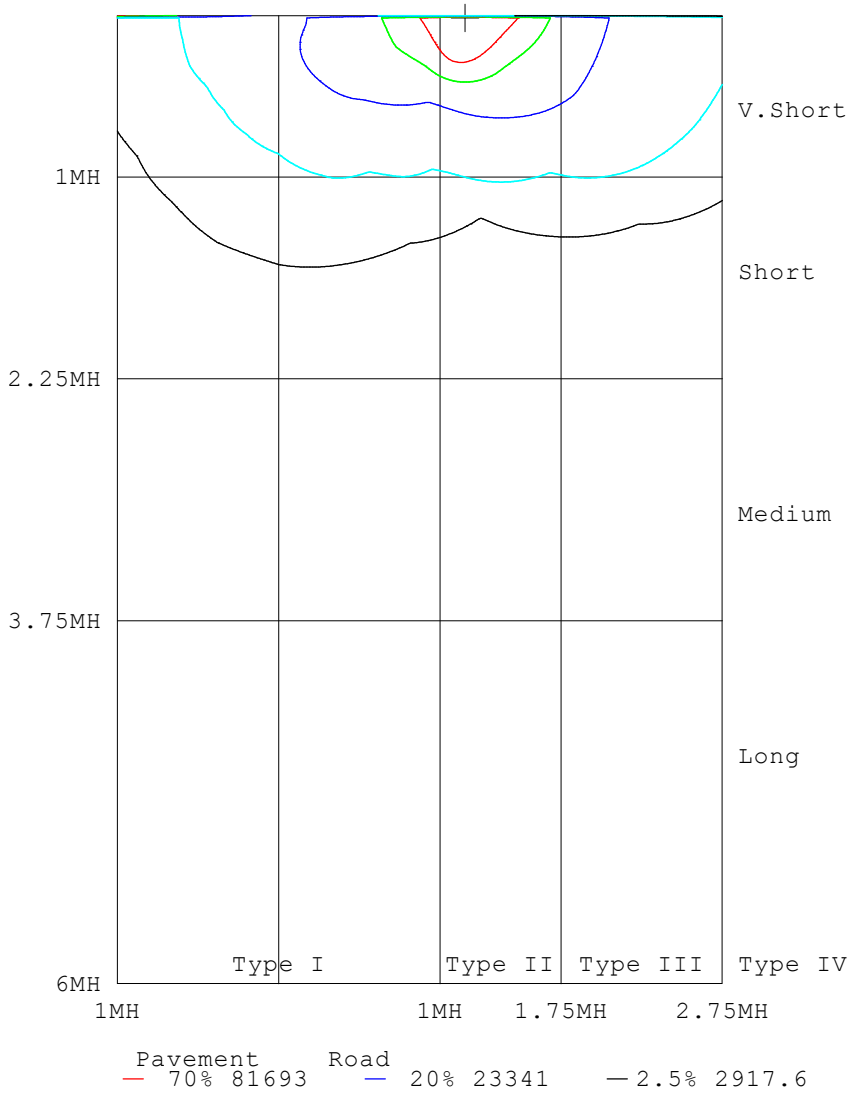
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:55013.4x1 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	144	139	139	138	139	138	139	138	139	138	139	139	144	139	139	138	139	138	139
5	148	154	167	176	183	185	187	185	183	176	167	154	148	130	120	112	107	104	103
10	150	174	205	224	233	232	234	232	233	224	205	174	150	120	105	95.8	91.2	88.8	88.4
15	143	180	231	269	285	284	283	284	285	269	231	180	143	109	94.7	86.8	82.6	80.0	79.3
20	130	172	238	299	331	344	349	344	331	299	238	172	130	99.4	86.6	78.9	74.3	72.0	71.5
25	114	154	224	305	365	417	442	417	365	305	224	154	114	87.3	76.5	70.2	67.8	66.7	66.9
30	99.1	135	197	287	379	482	533	482	379	287	197	135	99.1	76.1	65.8	61.6	61.7	61.0	61.4
35	78.6	107	159	248	373	553	652	553	373	248	159	107	78.6	64.2	56.6	53.9	53.3	53.1	53.9
40	60.0	77.8	111	188	340	622	787	622	340	188	111	77.8	60.0	52.2	48.1	46.1	44.1	47.3	48.8
45	48.8	60.2	77.5	127	266	729	1041	729	266	127	77.5	60.2	48.8	43.1	41.0	36.9	36.8	40.9	43.3
50	40.6	44.1	48.0	86.1	185	792	1176	792	185	86.1	48.0	44.1	40.6	36.2	34.1	30.3	30.2	33.8	36.4
55	31.7	33.3	35.2	47.1	126	544	889	544	126	47.1	35.2	33.3	31.7	30.0	26.5	25.0	24.3	27.3	29.9
60	26.3	26.5	26.7	30.6	79.9	317	526	317	79.9	30.6	26.7	26.5	26.3	23.9	21.1	19.9	19.3	22.3	25.1
65	20.7	21.1	19.7	19.8	45.5	141	192	141	45.5	19.8	19.7	21.1	20.7	19.7	16.6	14.9	14.3	16.7	19.0
70	15.5	14.8	14.1	12.6	24.9	51.9	74.9	51.9	24.9	12.6	14.1	14.8	15.5	14.7	12.6	10.6	9.54	10.1	11.2
75	11.2	11.2	15.6	7.04	11.2	17.3	23.1	17.3	11.2	7.04	15.6	11.2	11.2	10.2	8.97	6.74	5.74	5.85	6.35
80	5.59	5.39	5.76	3.29	3.84	4.98	7.14	4.98	3.84	3.29	5.76	5.39	5.59	5.89	4.69	3.24	2.88	2.81	2.98
85	2.42	1.77	3.57	0.82	0.64	0.88	1.43	0.88	0.64	0.82	3.57	1.77	2.42	1.45	1.15	0.88	0.84	0.97	1.13
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	0.17	0.17	0.20	0.40	0.74	0.94

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	138	139	138	139	139														
5	104	107	112	120	130														
10	88.8	91.2	95.8	105	120														
15	80.0	82.6	86.8	94.7	109														
20	72.0	74.3	78.9	86.6	99.4														
25	66.7	67.8	70.2	76.5	87.3														
30	61.0	61.7	61.6	65.8	76.1														
35	53.1	53.3	53.9	56.6	64.2														
40	47.3	44.1	46.1	48.1	52.2														
45	40.9	36.8	36.9	41.0	43.1														
50	33.8	30.2	30.3	34.1	36.2														
55	27.3	24.3	25.0	26.5	30.0														
60	22.3	19.3	19.9	21.1	23.9														
65	16.7	14.3	14.9	16.6	19.7														
70	10.1	9.54	10.6	12.6	14.7														
75	5.85	5.74	6.74	8.97	10.2														
80	2.81	2.88	3.24	4.69	5.89														
85	0.97	0.84	0.88	1.15	1.45														
90	0.74	0.40	0.20	0.17	0.17														

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: