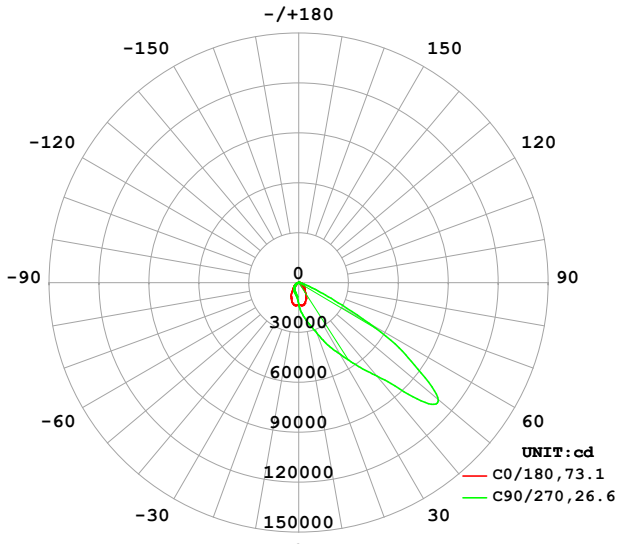
STREETLIGHT PHOTOMETRIC TEST REPORT

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:51248x1 lm		
NAME: FL72-500(500W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

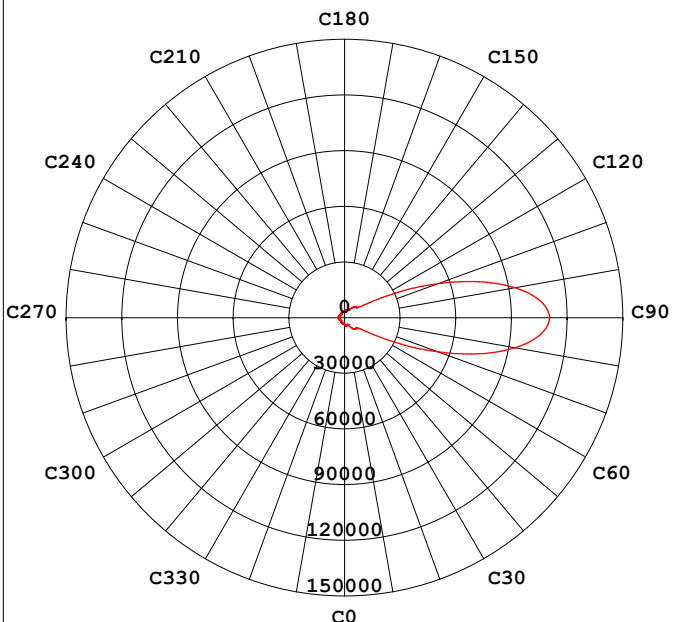
DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.93 lm/W			
MODEL	/	Imax(cd)	110475	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	51248	η house_up(%)	0.0
NOMINAL FLUX(lm)	51248	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 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

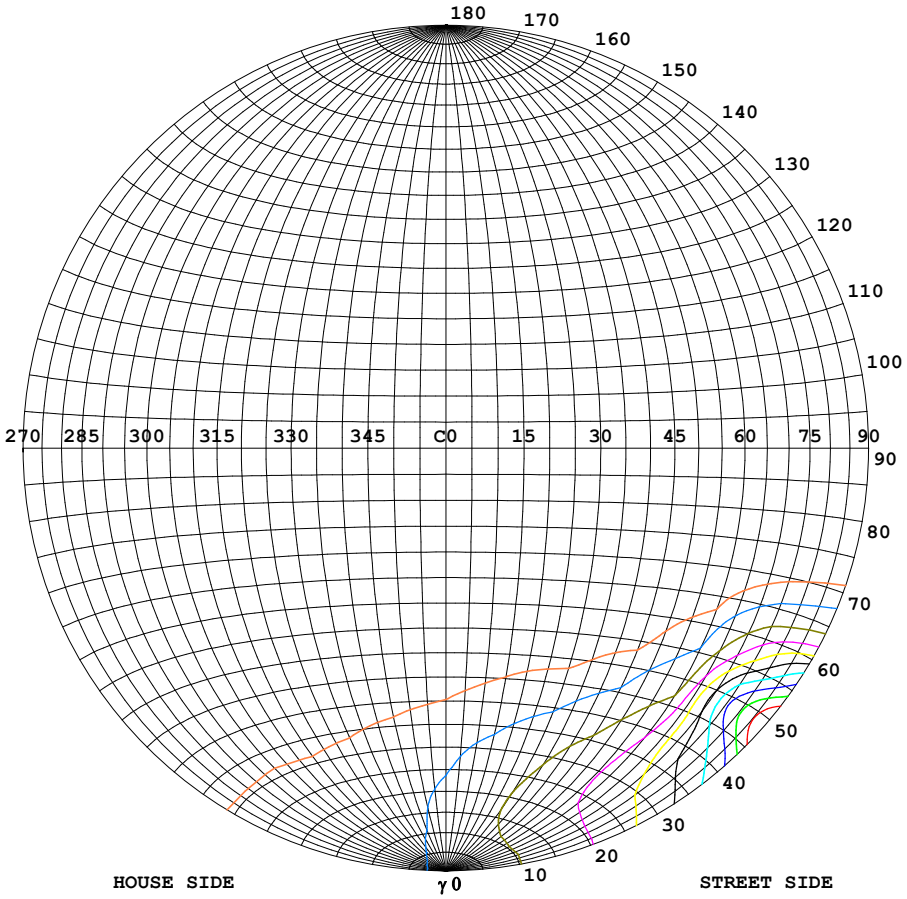


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

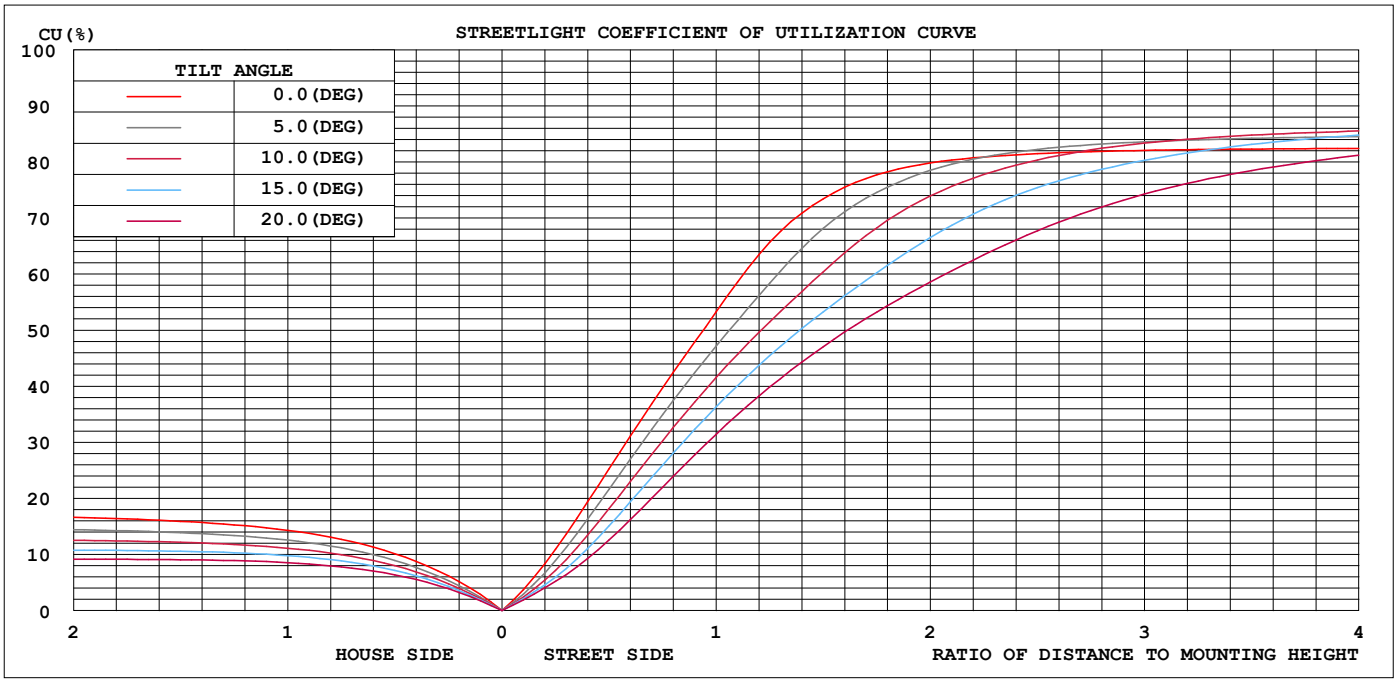
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

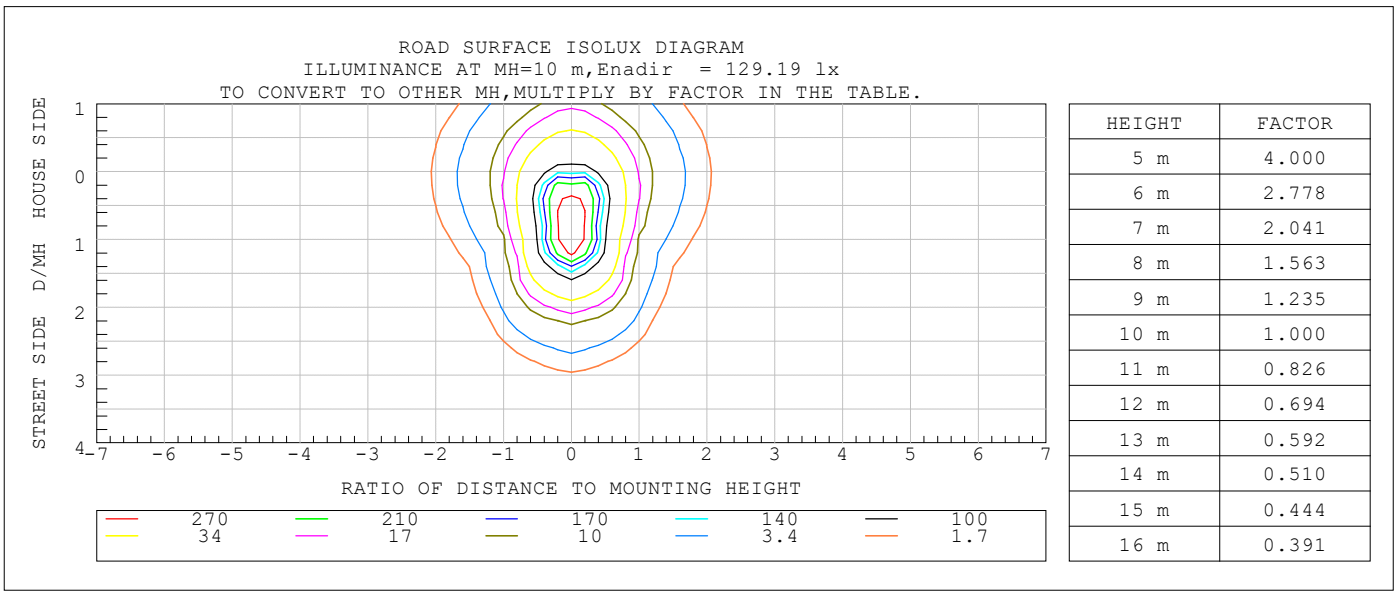
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	110475
90%	99428
80%	88380
70%	77333
60%	66285
50%	55238
40%	44190
30%	33143
20%	22095
10%	11048
5%	5524

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:

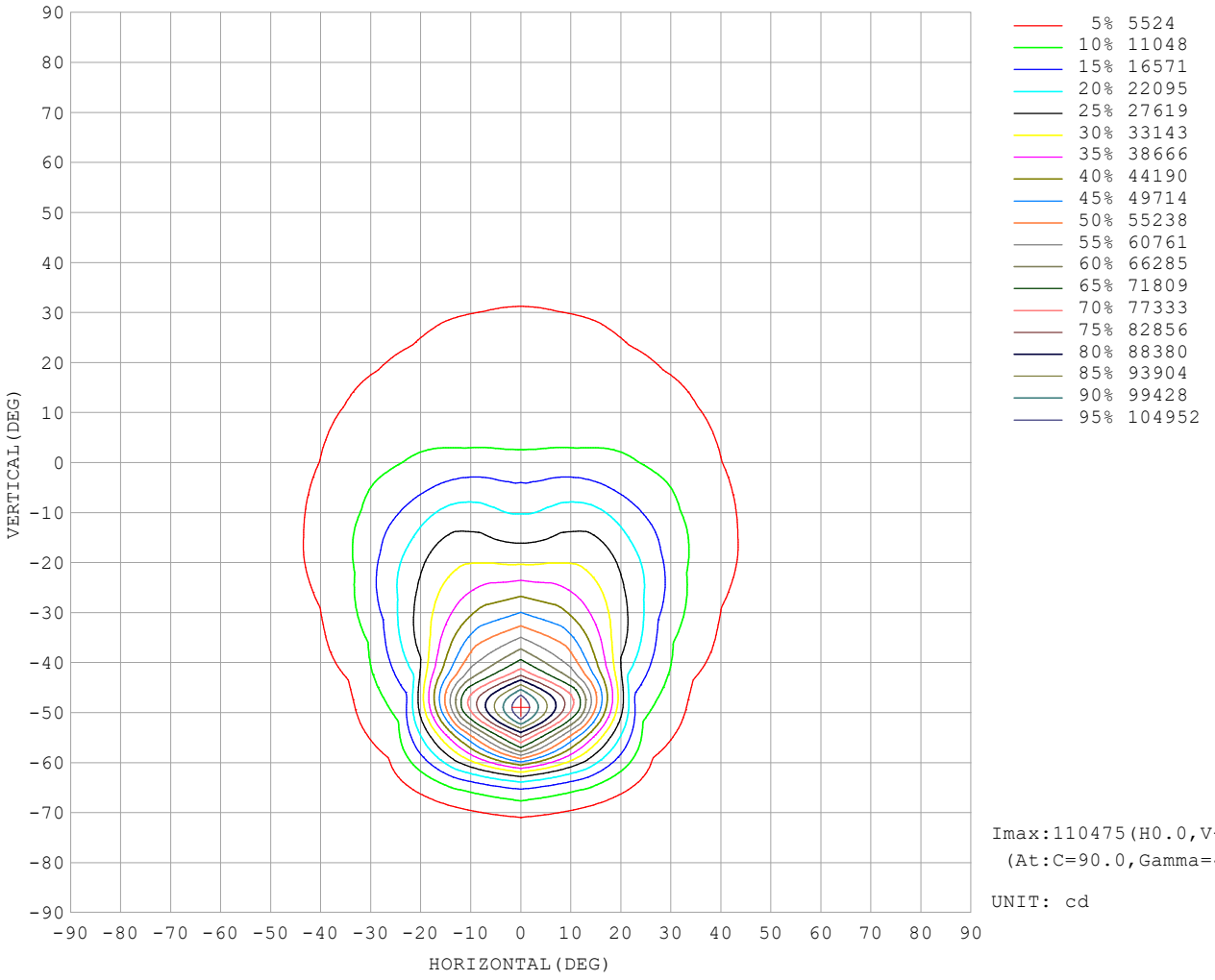
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	139.7	208.9	218.2	208.9	139.7	89.24	82.35	89.24	0- 10	1321	1321	2.58,2.58
20	121.5	278.5	325.2	278.5	121.5	73.53	66.60	73.53	10- 20	4477	5798	11.3,11.3
30	92.33	267.2	496.9	267.2	92.33	57.41	57.24	57.41	20- 30	7876	13675	26.7,26.7
40	55.90	175.5	733.4	175.5	55.90	42.97	45.50	42.97	30- 40	10439	24114	47.1,47.1
50	37.85	80.18	1095	80.18	37.85	28.24	33.95	28.24	40- 50	12271	36385	71,71
60	24.45	28.51	489.7	28.51	24.45	18.58	23.40	18.58	50- 60	9864	46248	90.2,90.2
70	14.39	11.72	69.73	11.72	14.39	9.878	10.42	9.878	60- 70	3765	50013	97.6,97.6
80	5.211	3.064	6.656	3.064	5.211	3.014	2.773	3.014	70- 80	1063	51076	99.7,99.7
90	0.0883	0.0224	0.0270	0.0224	0.0883	0.1902	0.8739	0.1902	80- 90	171.8	51248	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:

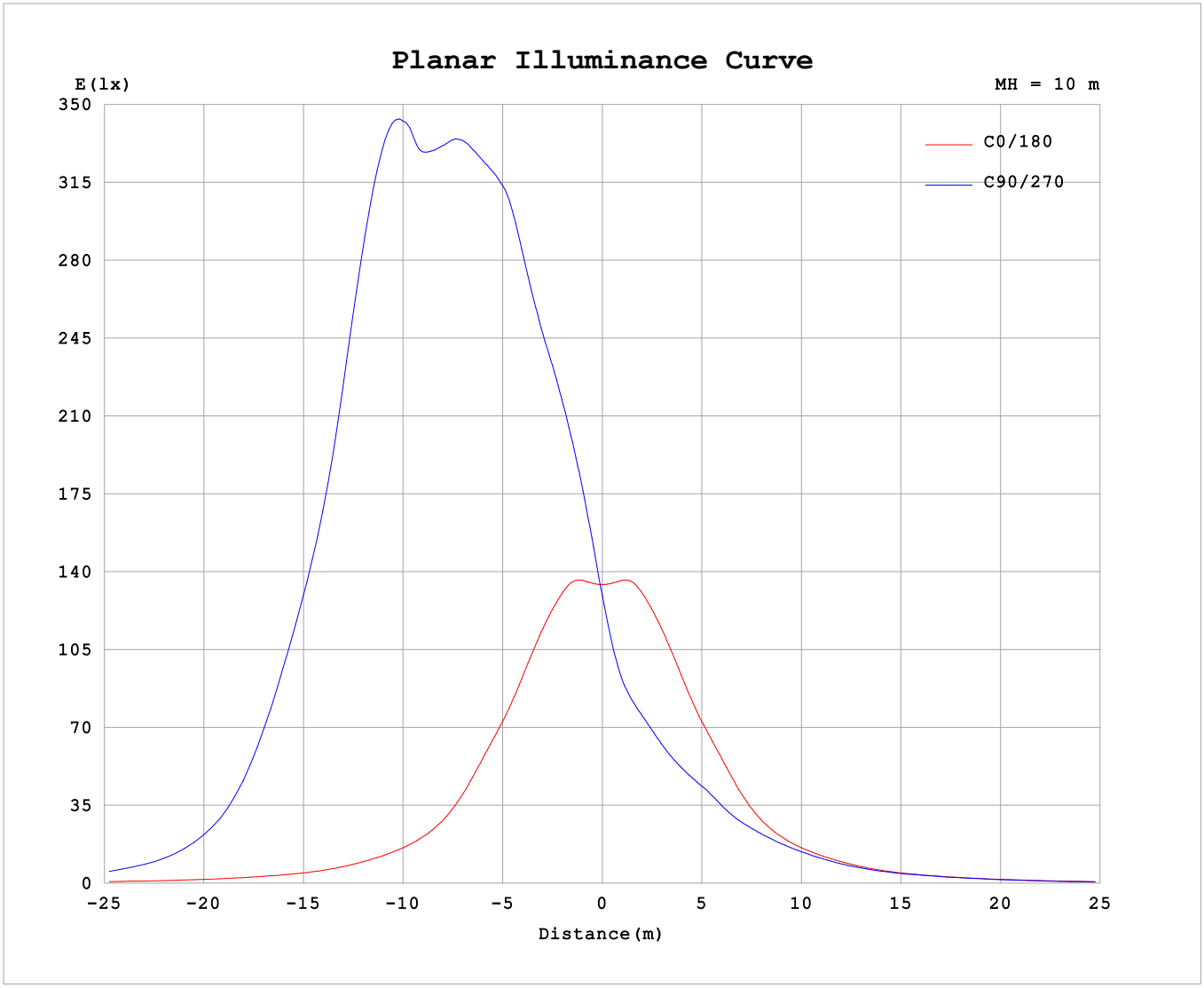
ISOCANDELA DIAGRAM



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



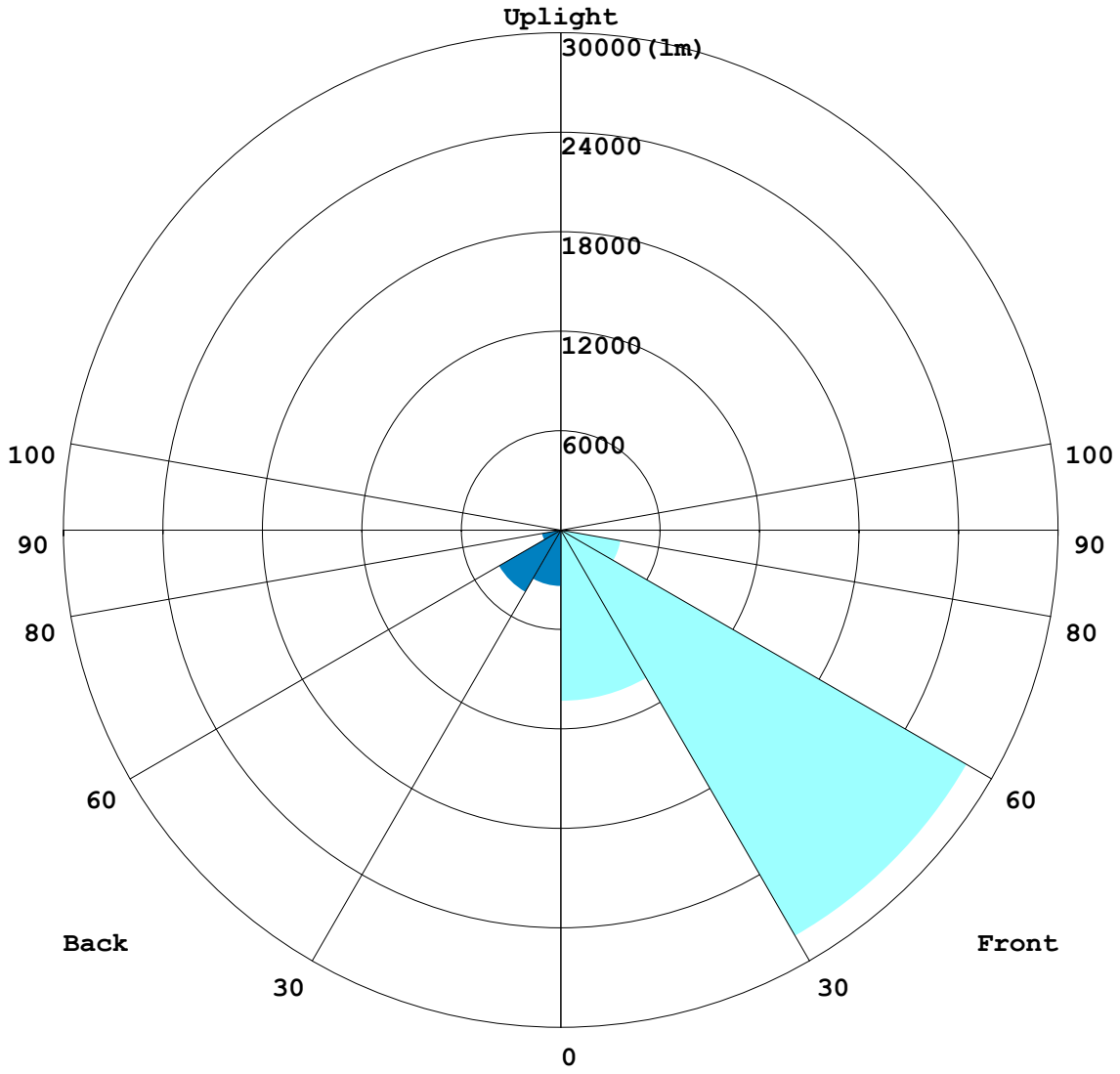
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:51248x1 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:51248x1 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)	10306	20.1
FM - Front-Medium(30-60)	28271	55.2
FH - Front-High(60-80)	3668.6	7.2
FVH - Front-Very High(80-90)	94.197	0.2
Total Forward Light	42341	82.6

BL - Back-Low(0-30)	3368.1	6.6
BM - Back-Medium(30-60)	4302.1	8.4
BH - Back-High(60-80)	1159.4	2.3
BVH - Back-Very High(80-90)	77.633	0.2
Total Back Light	8907.2	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	8907.2	0	8907.2
Street Side	42341	0	42341

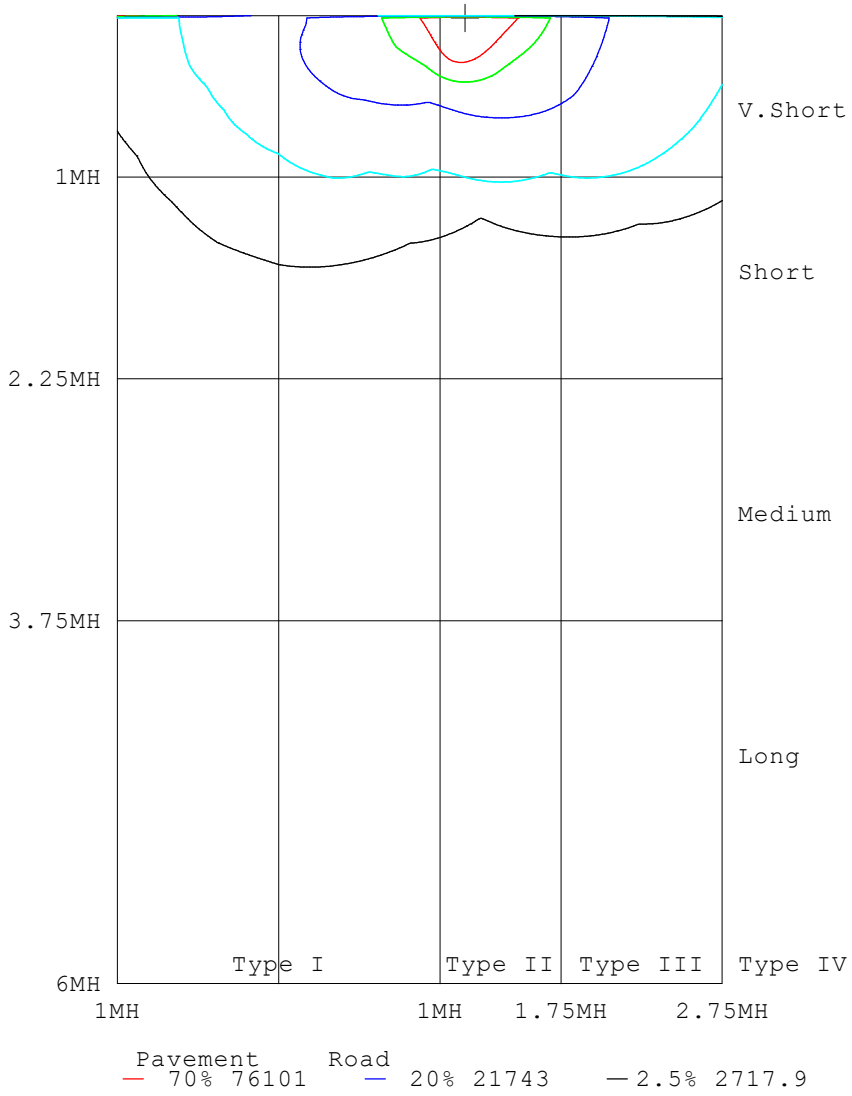
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:51248x1 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	134	129	129	129	129	129	129	129	129	129	129	129	134	129	129	129	129	129	129
5	137	144	155	164	170	172	174	172	170	164	155	144	137	121	112	104	99.6	96.5	96.0
10	140	162	191	209	217	217	218	217	217	209	191	162	140	112	97.7	89.2	84.9	82.7	82.4
15	133	168	216	251	266	264	264	264	266	251	216	168	133	102	88.2	80.9	76.9	74.5	73.9
20	121	160	222	279	309	320	325	320	309	279	222	160	121	92.6	80.7	73.5	69.3	67.1	66.6
25	106	144	208	284	340	388	412	388	340	284	208	144	106	81.3	71.2	65.4	63.2	62.1	62.3
30	92.3	126	184	267	353	449	497	449	353	267	184	126	92.3	70.9	61.3	57.4	57.5	56.8	57.2
35	73.2	99.3	148	231	347	515	607	515	347	231	148	99.3	73.2	59.8	52.8	50.2	49.7	49.5	50.2
40	55.9	72.4	104	175	316	580	733	580	316	175	104	72.4	55.9	48.6	44.8	43.0	41.1	44.1	45.5
45	45.4	56.1	72.2	119	247	679	969	679	247	119	72.2	56.1	45.4	40.1	38.2	34.4	34.3	38.1	40.3
50	37.8	41.1	44.7	80.2	172	738	1095	738	172	80.2	44.7	41.1	37.8	33.7	31.7	28.2	28.1	31.5	33.9
55	29.5	31.0	32.8	43.9	118	507	828	507	118	43.9	32.8	31.0	29.5	27.9	24.6	23.3	22.7	25.5	27.8
60	24.5	24.6	24.9	28.5	74.4	295	490	295	74.4	28.5	24.9	24.6	24.5	22.3	19.7	18.6	18.0	20.7	23.4
65	19.3	19.6	18.4	18.5	42.4	131	178	131	42.4	18.5	18.4	19.6	19.3	18.3	15.5	13.9	13.3	15.5	17.7
70	14.4	13.8	13.2	11.7	23.2	48.4	69.7	48.4	23.2	11.7	13.2	13.8	14.4	13.7	11.7	9.88	8.88	9.42	10.4
75	10.5	10.5	14.5	6.56	10.4	16.1	21.6	16.1	10.4	6.56	14.5	10.5	10.5	9.50	8.35	6.28	5.34	5.45	5.91
80	5.21	5.02	5.37	3.06	3.58	4.64	6.66	4.64	3.58	3.06	5.37	5.02	5.21	5.49	4.37	3.01	2.68	2.62	2.77
85	2.25	1.65	3.33	0.77	0.60	0.82	1.34	0.82	0.60	0.77	3.33	1.65	2.25	1.35	1.07	0.82	0.79	0.91	1.06
90	0.09	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.09	0.16	0.16	0.19	0.37	0.69	0.87

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	129	129	129	129	129														
5	96.5	99.6	104	112	121														
10	82.7	84.9	89.2	97.7	112														
15	74.5	76.9	80.9	88.2	102														
20	67.1	69.3	73.5	80.7	92.6														
25	62.1	63.2	65.4	71.2	81.3														
30	56.8	57.5	57.4	61.3	70.9														
35	49.5	49.7	50.2	52.8	59.8														
40	44.1	41.1	43.0	44.8	48.6														
45	38.1	34.3	34.4	38.2	40.1														
50	31.5	28.1	28.2	31.7	33.7														
55	25.5	22.7	23.3	24.6	27.9														
60	20.7	18.0	18.6	19.7	22.3														
65	15.5	13.3	13.9	15.5	18.3														
70	9.42	8.88	9.88	11.7	13.7														
75	5.45	5.34	6.28	8.35	9.50														
80	2.62	2.68	3.01	4.37	5.49														
85	0.91	0.79	0.82	1.07	1.35														
90	0.69	0.37	0.19	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: