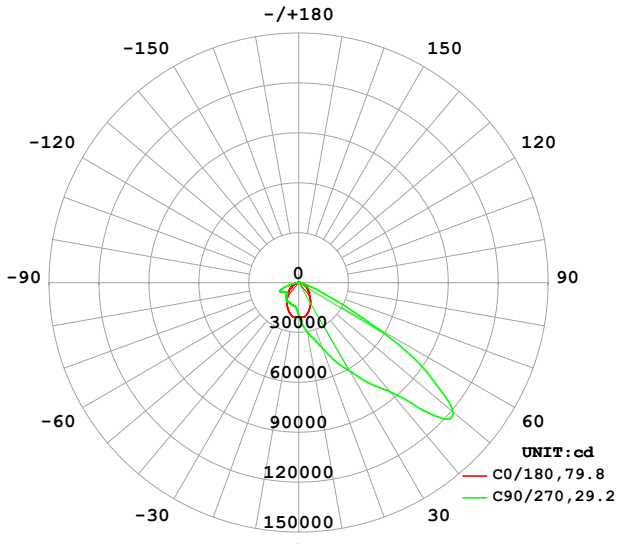
STREETLIGHT PHOTOMETRIC TEST REPORT

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:76361.8x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

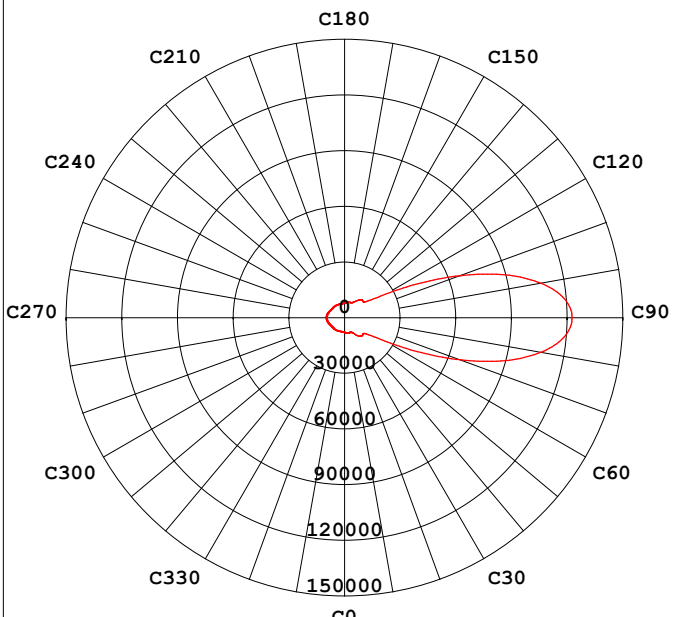
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 154.86 lm/W	
MODEL	/	Imax(cd)	122590	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	76362	η house_up(%)	0.0
NOMINAL FLUX(lm)	76361.8	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):54.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

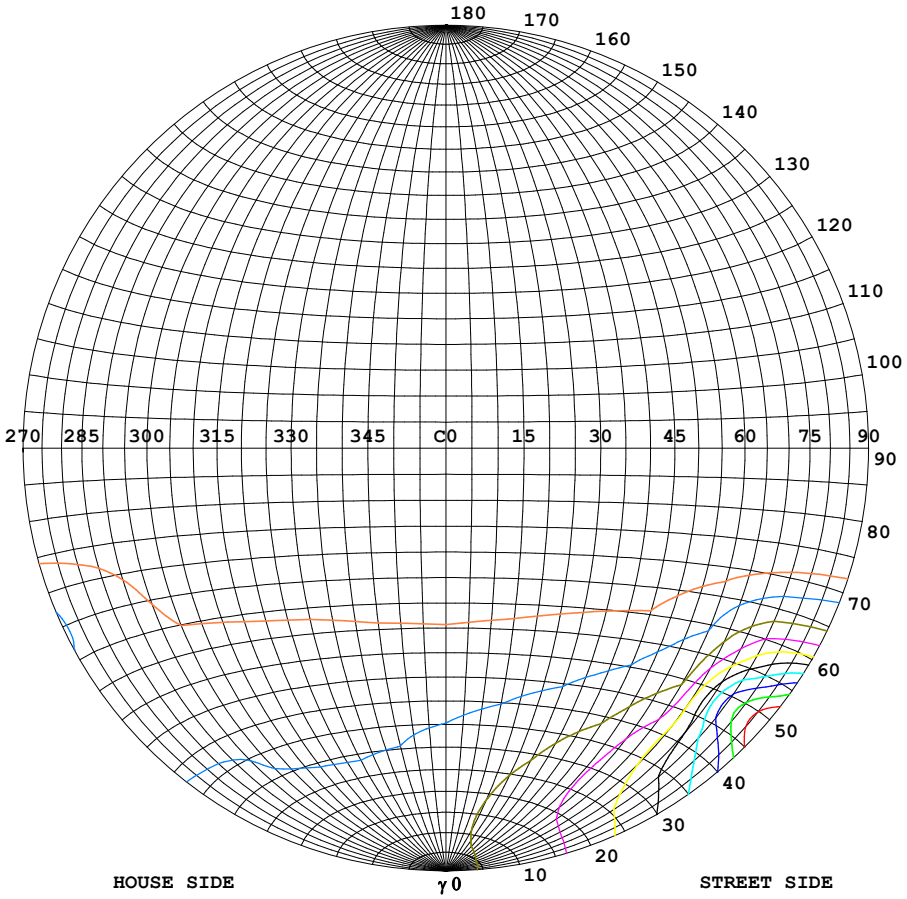


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

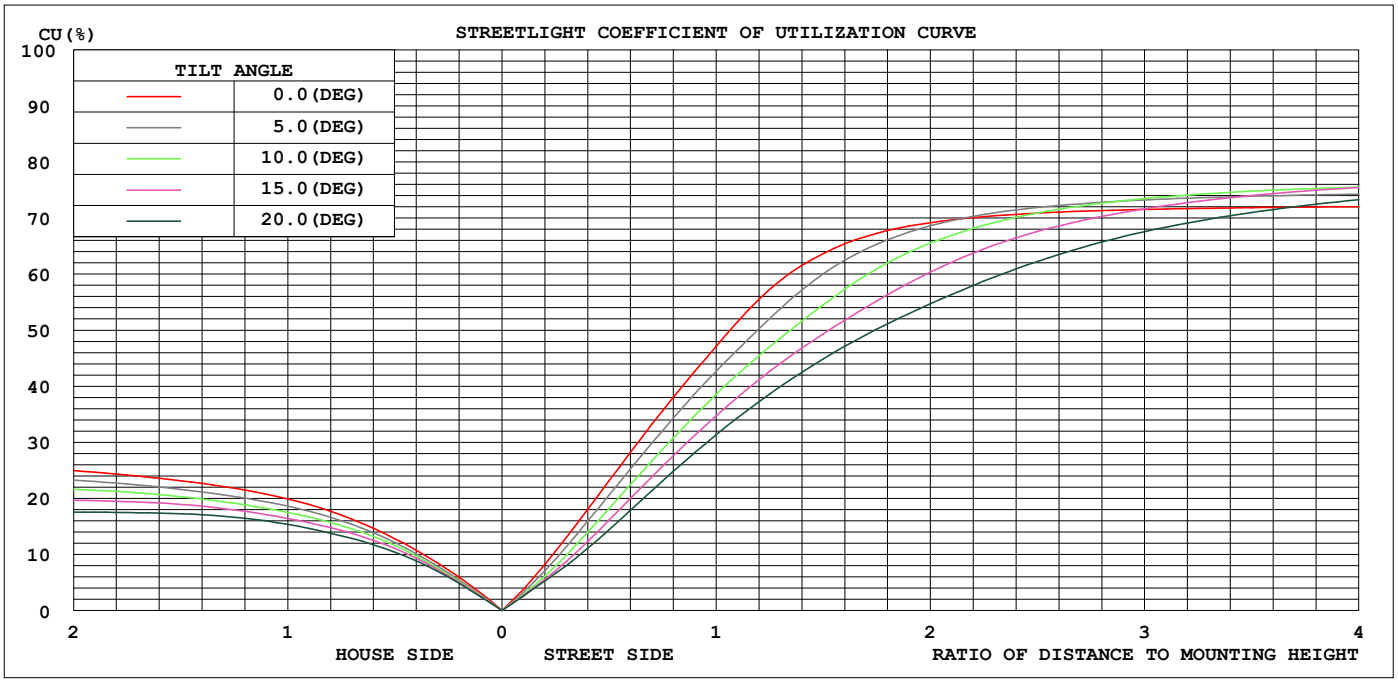
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

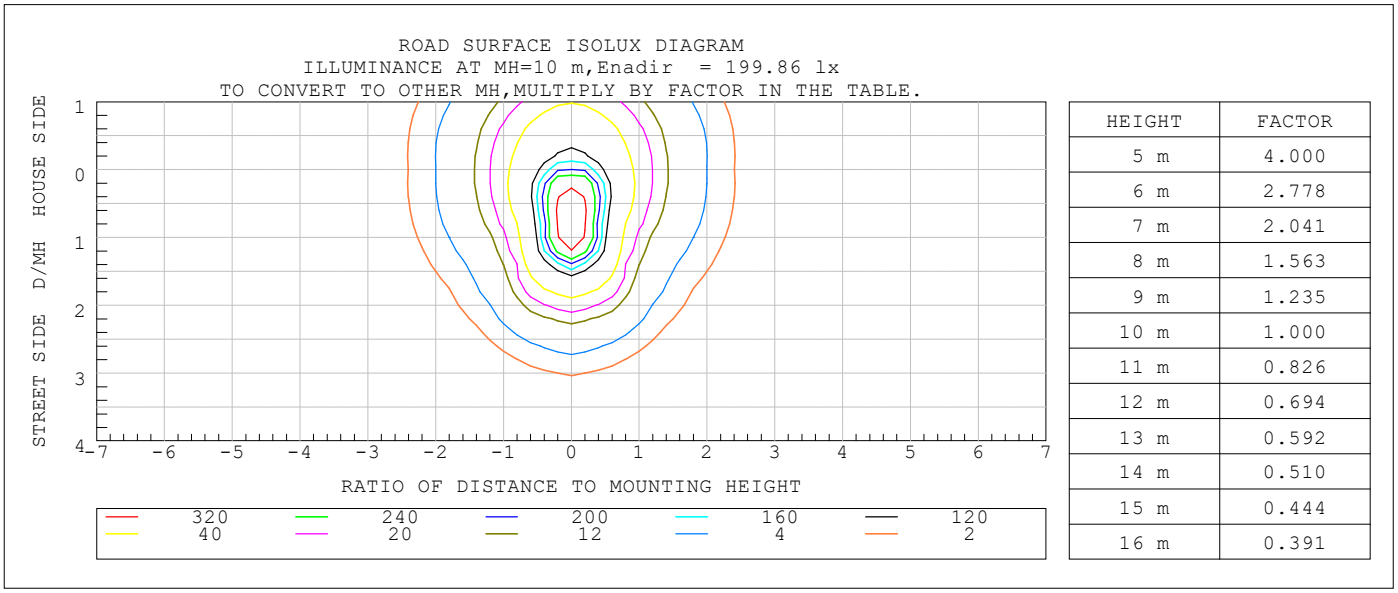
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	122590
90%	110331
80%	98072
70%	85813
60%	73554
50%	61295
40%	49036
30%	36777
20%	24518
10%	12259
5%	6130

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:

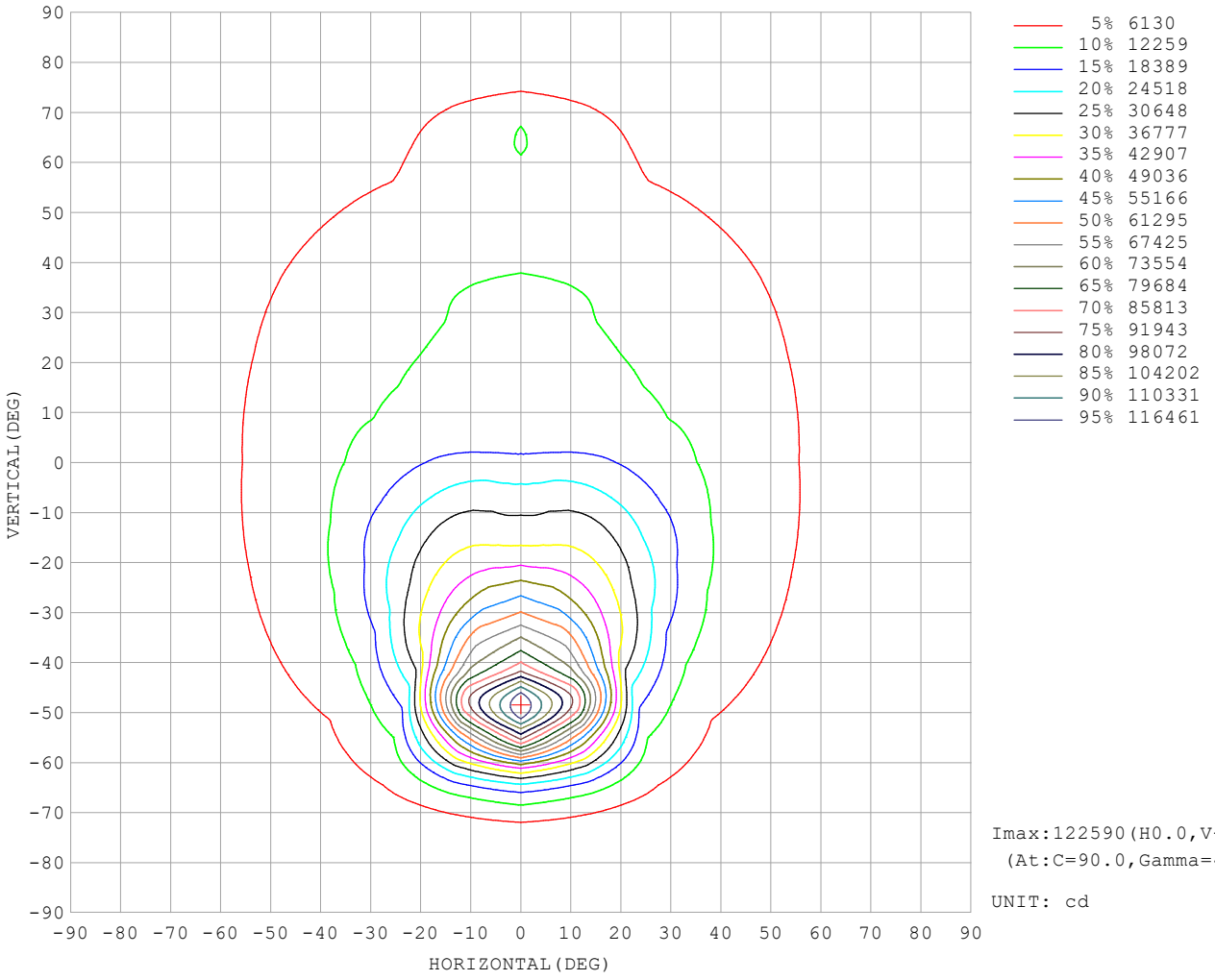
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	208.7	281.8	301.0	281.8	208.7	148.8	144.5	148.8	0- 10	1984	1984	2.6,2.6
20	180.1	336.6	418.5	336.6	180.1	136.2	138.7	136.2	10- 20	6364	8348	10.9,10.9
30	145.5	319.8	614.9	319.8	145.5	120.9	132.7	120.9	20- 30	10915	19262	25.2,25.2
40	103.2	227.4	858.3	227.4	103.2	103.5	117.4	103.5	30- 40	14702	33965	44.5,44.5
50	76.48	125.7	1210	125.7	76.48	79.85	96.71	79.85	40- 50	17197	51162	67,67
60	52.11	63.59	527.8	63.59	52.11	58.41	117.7	58.41	50- 60	14415	65576	85.9,85.9
70	29.71	35.31	92.90	35.31	29.71	32.59	104.7	32.59	60- 70	7374	72950	95.5,95.5
80	9.514	10.83	14.44	10.83	9.514	9.366	17.74	9.366	70- 80	2874	75824	99.3,99.3
90	0.1873	0.0484	0.0698	0.0484	0.1873	0.4181	1.129	0.4181	80- 90	537.7	76362	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:2026-01-15

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:

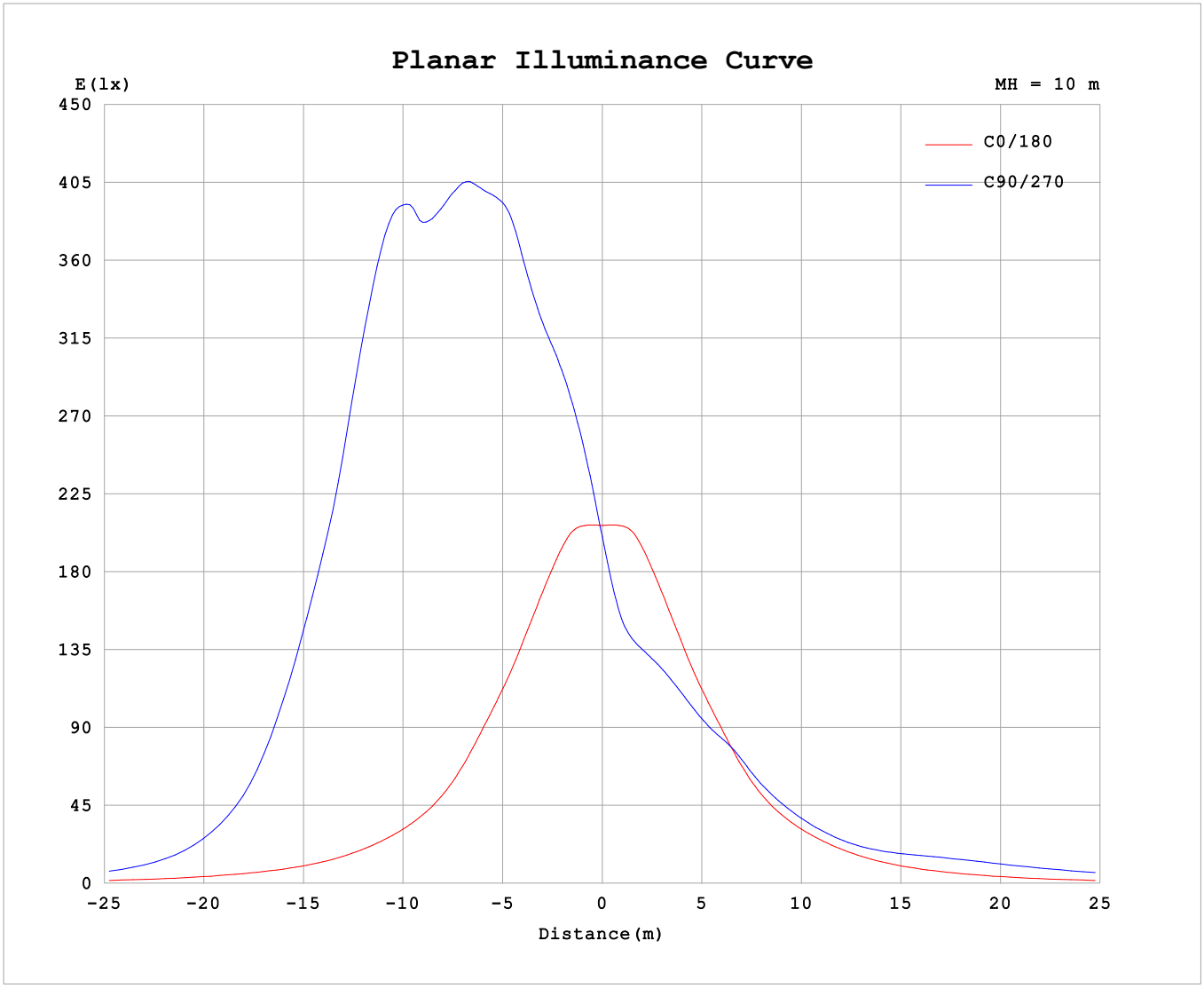
ISOCANDELA DIAGRAM



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



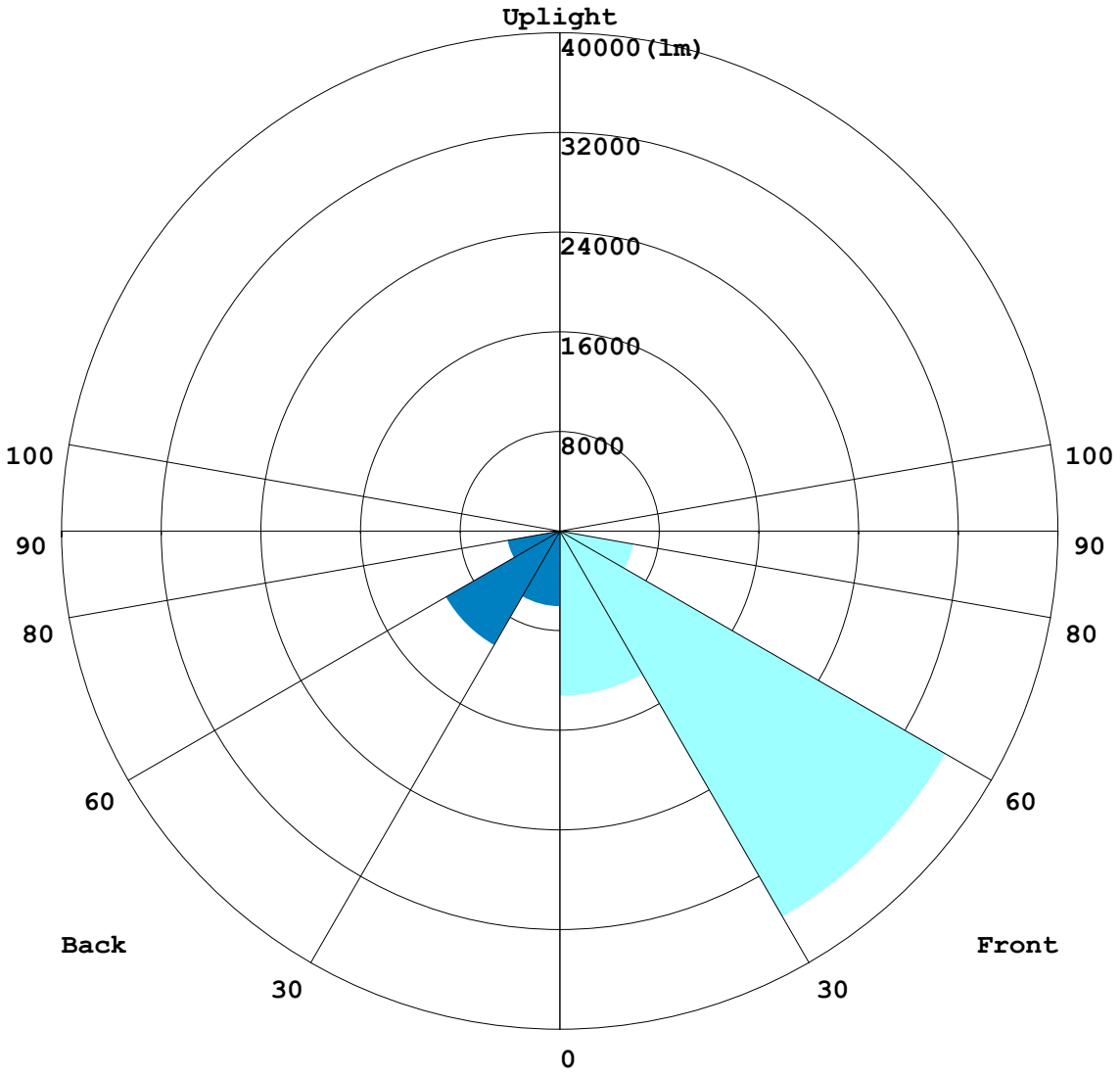
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:76361.8x1 lm		
NAME: FL72-500(500W)-F04802	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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:76361.8x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	13235	17.3
FM - Front-Medium(30-60)	35747	46.8
FH - Front-High(60-80)	5994.7	7.9
FVH - Front-Very High(80-90)	336.1	0.4
Total Forward Light	55312	72.4
BL - Back-Low(0-30)	6027.8	7.9
BM - Back-Medium(30-60)	10567	13.8
BH - Back-High(60-80)	4253.1	5.6
BVH - Back-Very High(80-90)	201.56	0.3
Total Back Light	21050	27.6
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	B5-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21050	0	21050
Street Side	55312	0	55312

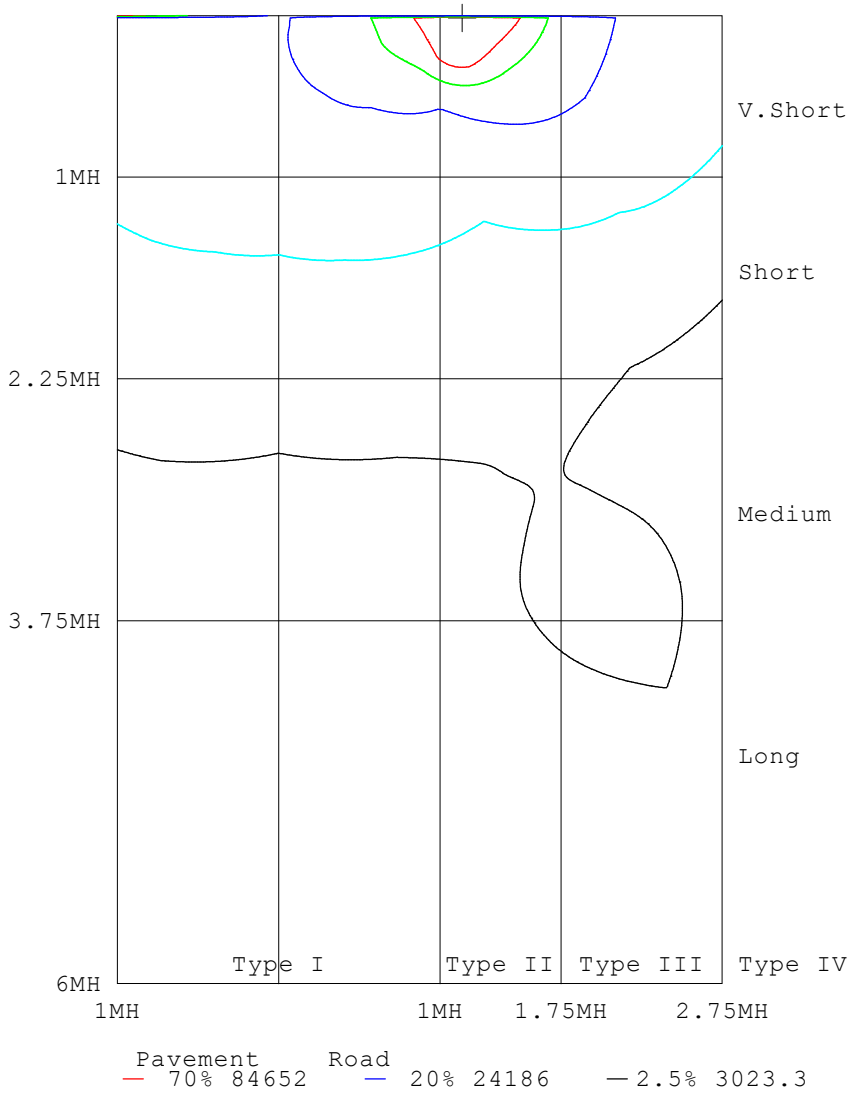
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:76361.8x1 lm		
NAME: FL72-500(500W)-F04802	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: 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	207	200	200	199	200	199	200	199	200	199	200	200	207	200	200	199	200	199	200
5	209	216	229	239	247	250	252	250	247	239	229	216	209	189	178	168	163	158	158
10	209	232	262	282	295	298	301	298	295	282	262	232	209	176	159	149	145	144	144
15	197	233	281	316	338	346	350	346	338	316	281	233	197	161	147	142	141	141	142
20	180	220	282	337	374	403	418	403	374	337	282	220	180	149	139	136	137	138	139
25	162	201	265	338	405	480	520	480	405	338	265	201	162	136	129	130	131	133	134
30	145	180	237	320	426	550	615	550	426	320	237	180	145	124	120	121	124	129	133
35	124	151	200	284	427	633	736	633	427	284	200	151	124	111	110	112	120	127	130
40	103	121	153	227	396	704	858	704	396	227	153	121	103	97.2	99.2	104	109	113	117
45	88.7	101	119	167	316	822	1109	822	316	167	119	101	88.7	85.5	88.4	93.9	94.1	102	107
50	76.5	80.5	87.8	126	227	872	1210	872	227	126	87.8	80.5	76.5	75.1	78.3	79.8	83.9	92.2	96.7
55	62.8	66.1	71.9	83.4	163	603	945	603	163	83.4	71.9	66.1	62.8	64.4	67.7	68.9	72.9	83.5	97.4
60	52.1	54.7	59.1	63.6	112	371	528	371	112	63.6	59.1	54.7	52.1	53.3	55.6	58.4	61.0	83.6	118
65	40.9	43.7	45.8	48.1	75.9	174	219	174	75.9	48.1	45.8	43.7	40.9	44.8	44.4	46.2	48.3	82.9	126
70	29.7	31.6	34.5	35.3	45.7	71.4	92.9	71.4	45.7	35.3	34.5	31.6	29.7	31.9	32.6	32.6	35.2	69.0	105
75	20.0	24.3	34.6	21.9	23.9	28.9	36.9	28.9	23.9	21.9	34.6	24.3	20.0	19.9	20.2	20.1	21.5	39.3	52.8
80	9.51	13.9	21.3	10.8	11.3	10.4	14.4	10.4	11.3	10.8	21.3	13.9	9.51	9.48	9.52	9.37	10.2	14.5	17.7
85	3.18	8.67	15.9	3.55	2.79	2.72	3.35	2.72	2.79	3.55	15.9	8.67	3.18	2.38	2.45	2.28	2.43	3.03	3.41
90	0.19	0.04	0.05	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.05	0.04	0.19	0.35	0.37	0.42	0.60	0.93	1.13

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: X100cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	199	200	199	200	200														
5	158	163	168	178	189														
10	144	145	149	159	176														
15	141	141	142	147	161														
20	138	137	136	139	149														
25	133	131	130	129	136														
30	129	124	121	120	124														
35	127	120	112	110	111														
40	113	109	104	99.2	97.2														
45	102	94.1	93.9	88.4	85.5														
50	92.2	83.9	79.8	78.3	75.1														
55	83.5	72.9	68.9	67.7	64.4														
60	83.6	61.0	58.4	55.6	53.3														
65	82.9	48.3	46.2	44.4	44.8														
70	69.0	35.2	32.6	32.6	31.9														
75	39.3	21.5	20.1	20.2	19.9														
80	14.5	10.2	9.37	9.52	9.48														
85	3.03	2.43	2.28	2.45	2.38														
90	0.93	0.60	0.42	0.37	0.35														

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: