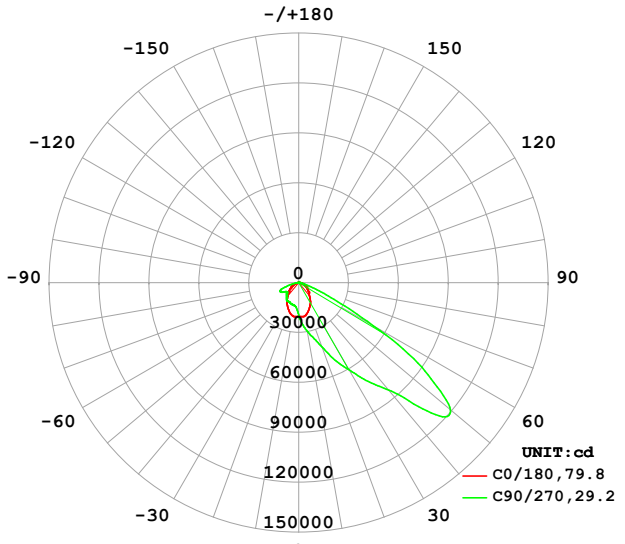
STREETLIGHT PHOTOMETRIC TEST REPORT

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:75119.2x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

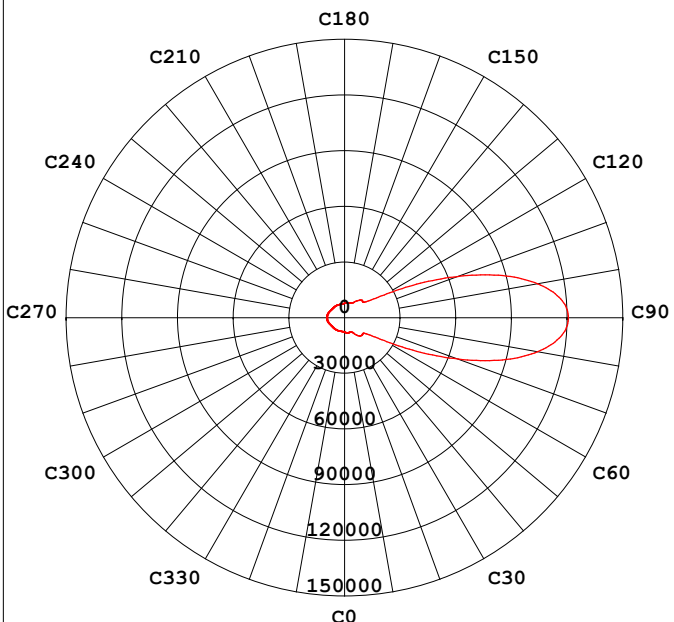
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 152.34 lm/W	
MODEL	/	Imax(cd)	120595	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	75119	η house_up(%)	0.0
NOMINAL FLUX(lm)	75119.2	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	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

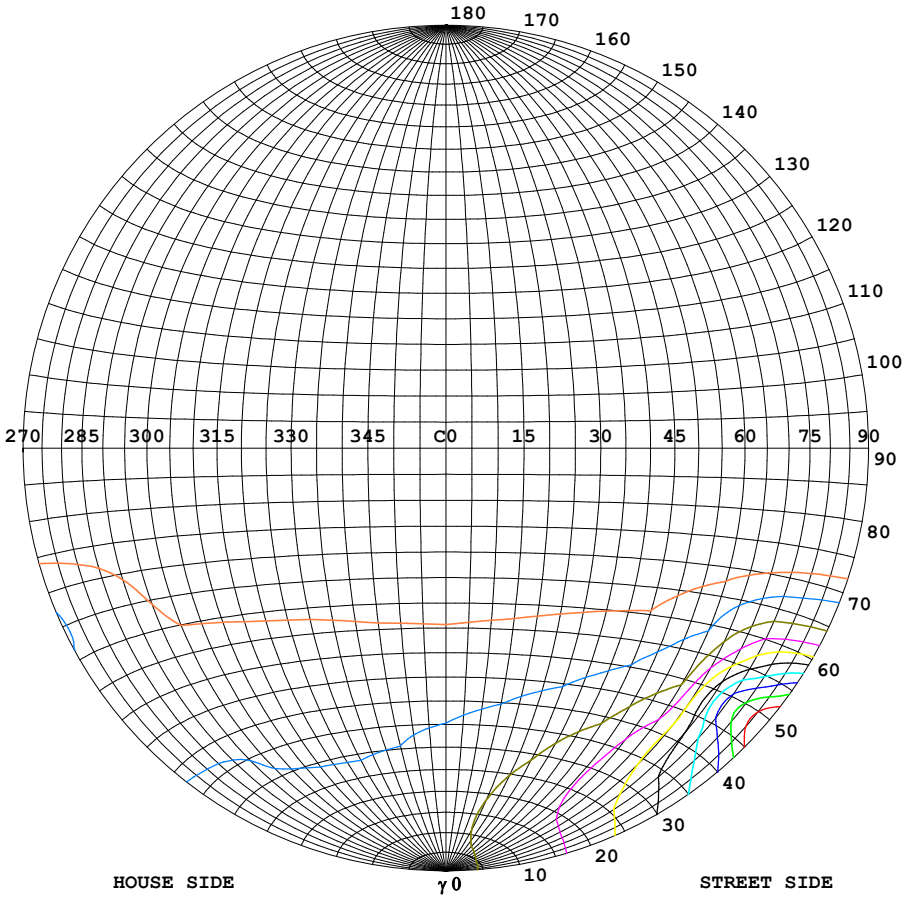


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

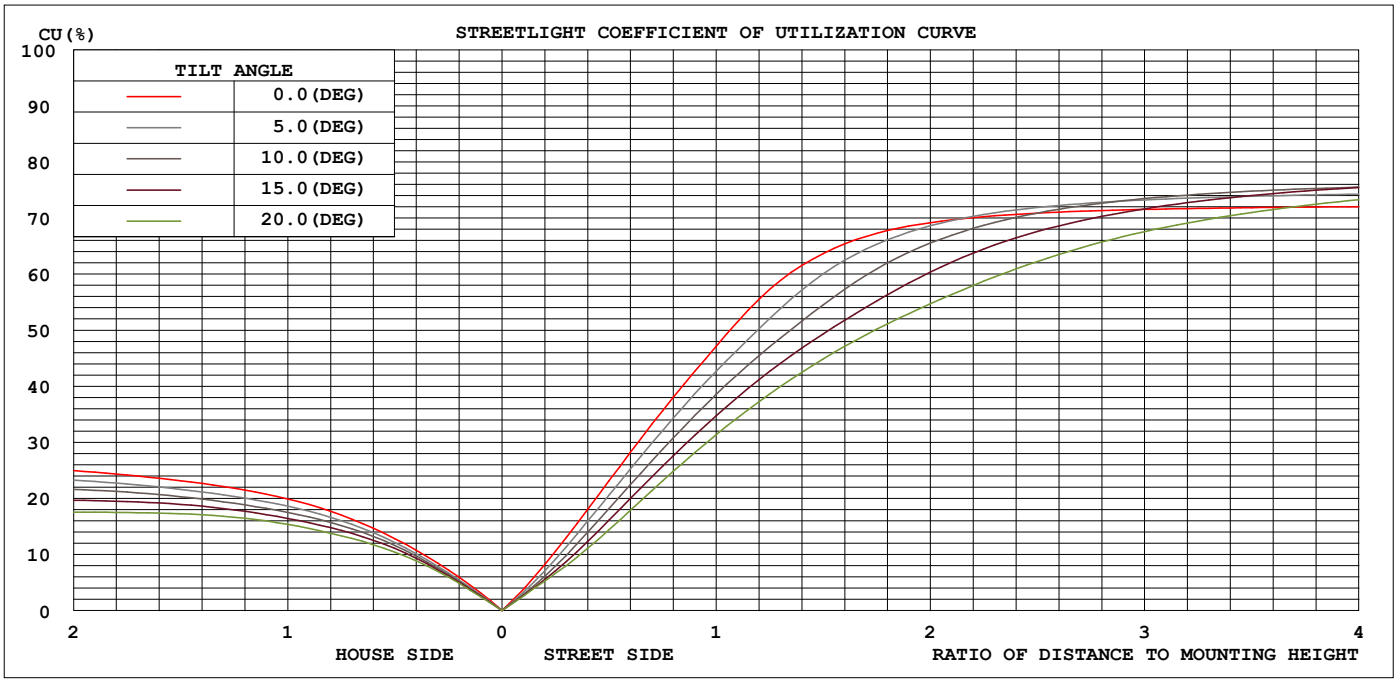
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

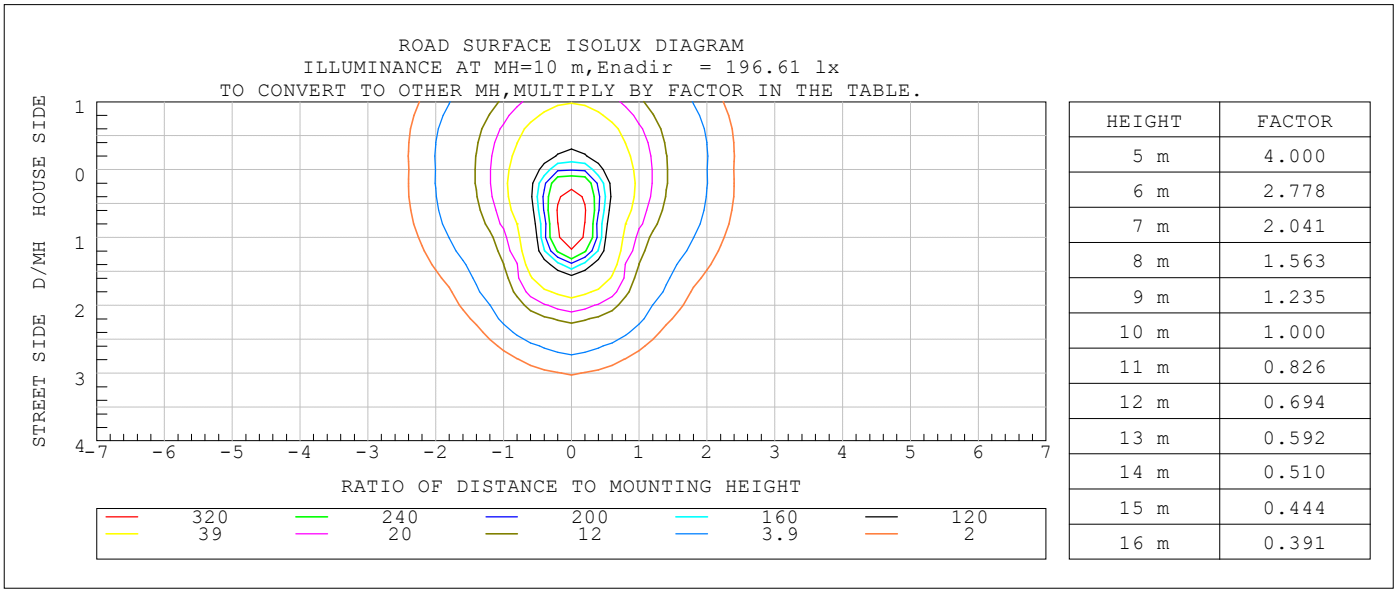
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	120595
90%	108536
80%	96476
70%	84417
60%	72357
50%	60298
40%	48238
30%	36179
20%	24119
10%	12060
5%	6030

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:

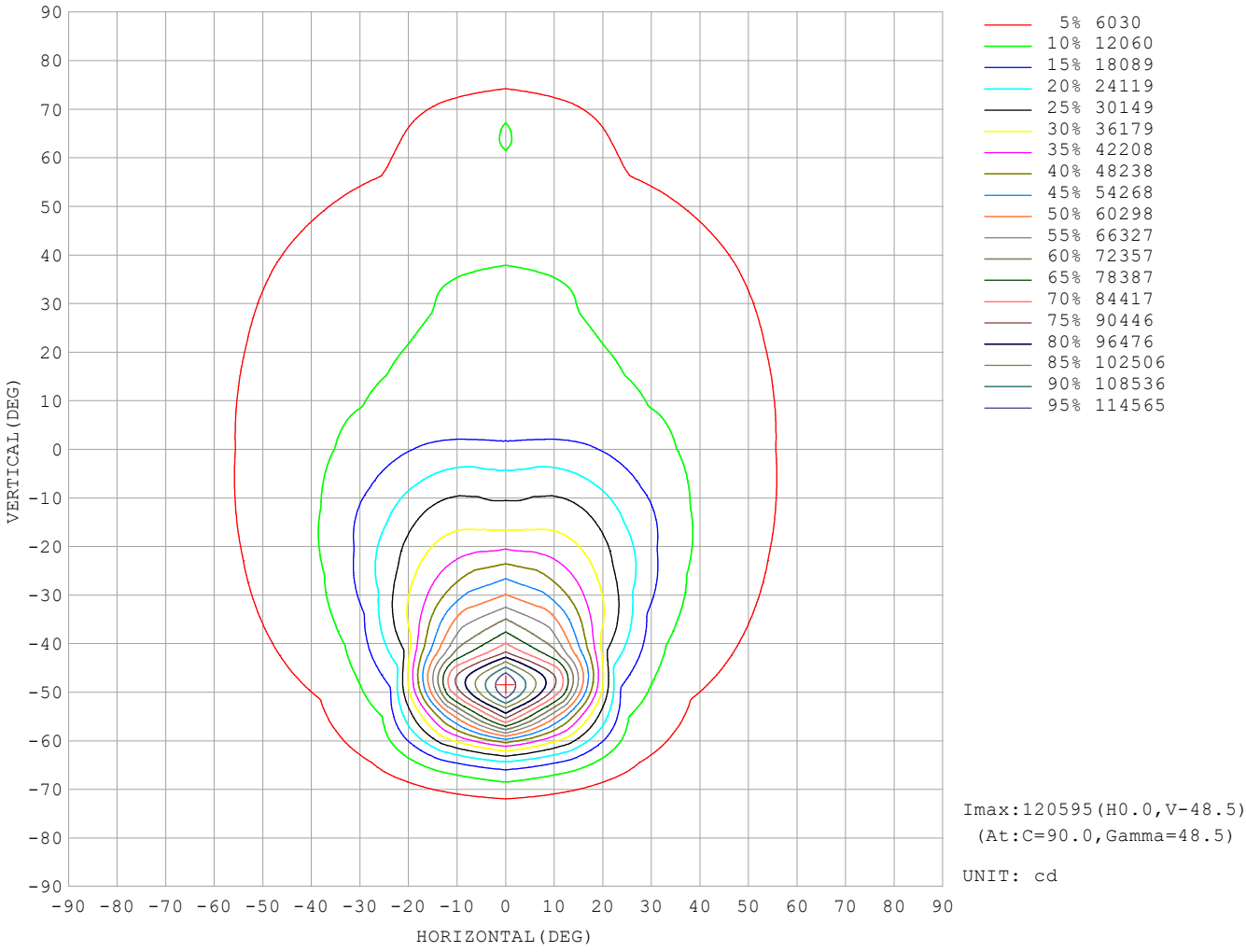
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	205.3	277.2	296.1	277.2	205.3	146.4	142.1	146.4	0- 10	1952	1952	2.6,2.6
20	177.2	331.1	411.7	331.1	177.2	134.0	136.5	134.0	10- 20	6260	8212	10.9,10.9
30	143.1	314.6	604.9	314.6	143.1	118.9	130.5	118.9	20- 30	10737	18949	25.2,25.2
40	101.5	223.7	844.3	223.7	101.5	101.9	115.5	101.9	30- 40	14463	33412	44.5,44.5
50	75.24	123.6	1191	123.6	75.24	78.55	95.13	78.55	40- 50	16917	50329	67,67
60	51.26	62.55	519.2	62.55	51.26	57.46	115.8	57.46	50- 60	14180	64509	85.9,85.9
70	29.23	34.73	91.39	34.73	29.23	32.06	103.0	32.06	60- 70	7254	71763	95.5,95.5
80	9.359	10.66	14.21	10.66	9.359	9.213	17.45	9.213	70- 80	2827	74590	99.3,99.3
90	0.1843	0.0476	0.0686	0.0476	0.1843	0.4113	1.111	0.4113	80- 90	528.9	75119	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:

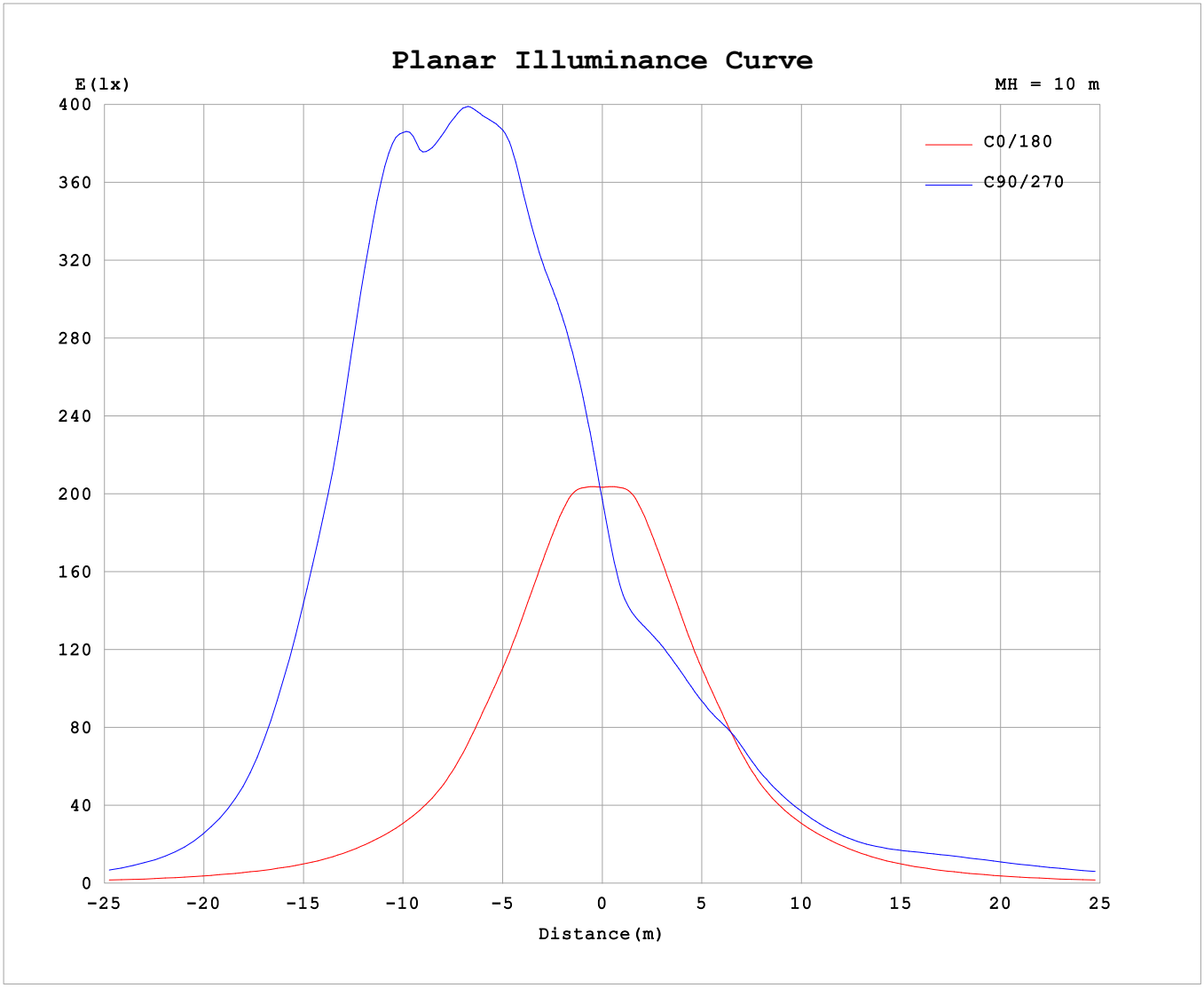
ISOCANDELA DIAGRAM



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



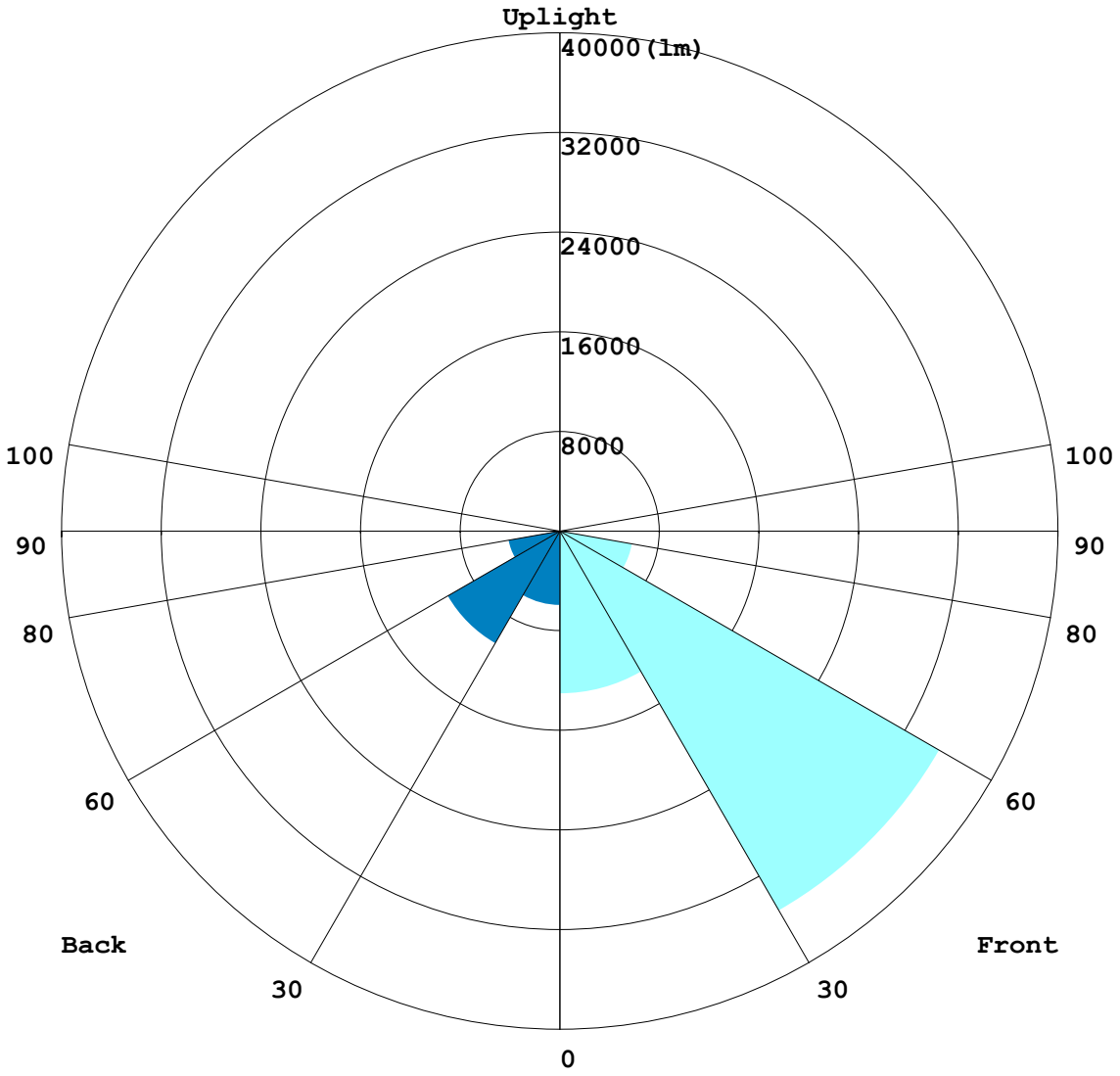
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:75119.2x1 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:75119.2x1 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)	13019	17.3
FM - Front-Medium(30-60)	35165	46.8
FH - Front-High(60-80)	5897.1	7.9
FVH - Front-Very High(80-90)	330.63	0.4
Total Forward Light	54412	72.4

BL - Back-Low(0-30)	5929.7	7.9
BM - Back-Medium(30-60)	10395	13.8
BH - Back-High(60-80)	4183.9	5.6
BVH - Back-Very High(80-90)	198.28	0.3
Total Back Light	20707	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	20707	0	20707
Street Side	54412	0	54412

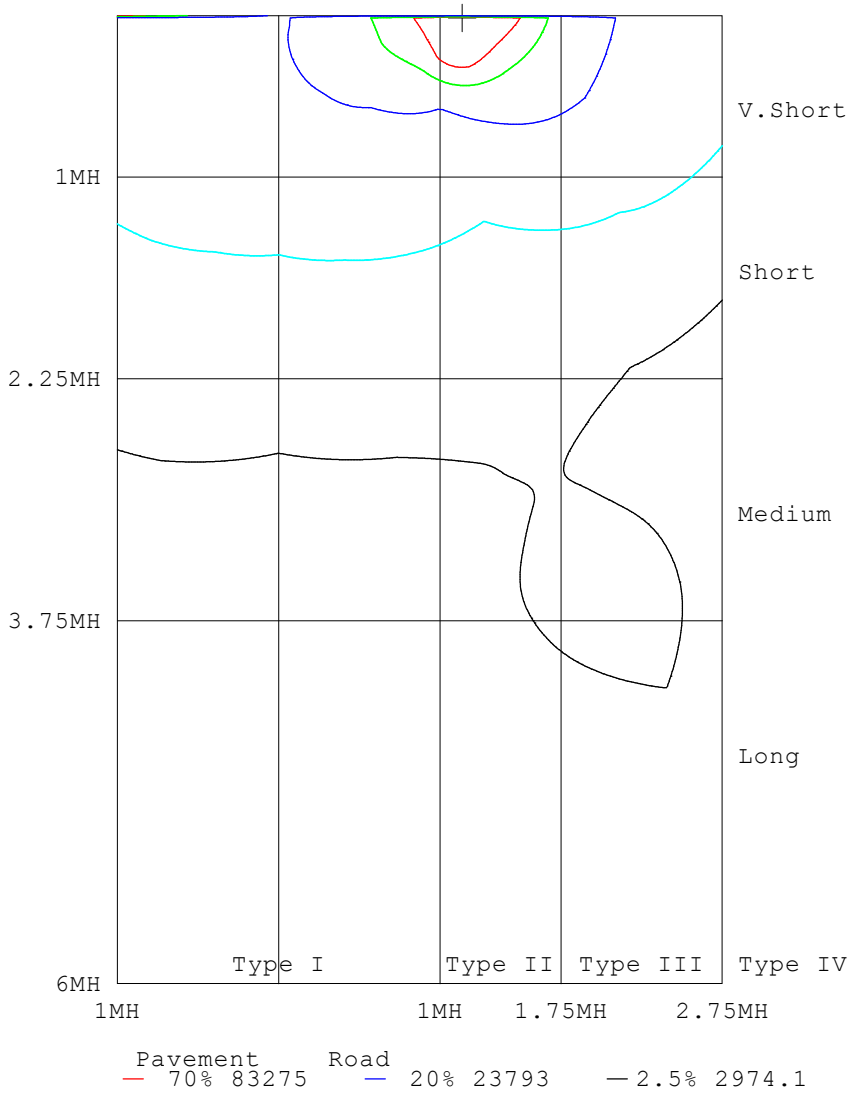
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:75119.2x1 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	203	197	197	196	197	196	197	196	197	196	197	197	203	197	197	196	197	196	197
5	206	213	226	235	243	245	248	245	243	235	226	213	206	186	175	165	160	156	156
10	205	228	257	277	290	293	296	293	290	277	257	228	205	174	156	146	143	142	142
15	193	230	276	311	333	340	344	340	333	311	276	230	193	158	144	139	139	139	140
20	177	217	277	331	368	397	412	397	368	331	277	217	177	146	136	134	135	136	136
25	159	198	260	332	398	472	511	472	398	332	260	198	159	134	127	128	129	131	132
30	143	177	233	315	419	541	605	541	419	315	233	177	143	122	118	119	122	127	131
35	122	148	197	279	420	623	724	623	420	279	197	148	122	109	109	110	118	125	128
40	101	119	150	224	389	692	844	692	389	224	150	119	101	95.6	97.6	102	108	111	115
45	87.3	99.1	117	164	311	809	1091	809	311	164	117	99.1	87.3	84.1	87.0	92.3	92.6	101	105
50	75.2	79.2	86.4	124	223	858	1191	858	223	124	86.4	79.2	75.2	73.8	77.0	78.5	82.5	90.7	95.1
55	61.8	65.1	70.8	82.1	160	593	929	593	160	82.1	70.8	65.1	61.8	63.4	66.6	67.8	71.7	82.1	95.8
60	51.3	53.8	58.2	62.6	110	364	519	364	110	62.6	58.2	53.8	51.3	52.5	54.7	57.5	60.0	82.2	116
65	40.2	43.0	45.0	47.3	74.6	171	215	171	74.6	47.3	45.0	43.0	40.2	44.0	43.6	45.4	47.5	81.5	124
70	29.2	31.1	33.9	34.7	45.0	70.3	91.4	70.3	45.0	34.7	33.9	31.1	29.2	31.4	32.1	32.1	34.6	67.9	103
75	19.7	23.9	34.0	21.5	23.5	28.4	36.3	28.4	23.5	21.5	34.0	23.9	19.7	19.5	19.9	19.8	21.1	38.7	51.9
80	9.36	13.7	20.9	10.7	11.1	10.2	14.2	10.2	11.1	10.7	20.9	13.7	9.36	9.32	9.37	9.21	9.99	14.2	17.4
85	3.13	8.53	15.7	3.49	2.74	2.68	3.29	2.68	2.74	3.49	15.7	8.53	3.13	2.34	2.41	2.24	2.39	2.98	3.35
90	0.18	0.04	0.05	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.05	0.04	0.18	0.34	0.36	0.41	0.59	0.92	1.11

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	196	197	196	197	197														
5	156	160	165	175	186														
10	142	143	146	156	174														
15	139	139	139	144	158														
20	136	135	134	136	146														
25	131	129	128	127	134														
30	127	122	119	118	122														
35	125	118	110	109	109														
40	111	108	102	97.6	95.6														
45	101	92.6	92.3	87.0	84.1														
50	90.7	82.5	78.5	77.0	73.8														
55	82.1	71.7	67.8	66.6	63.4														
60	82.2	60.0	57.5	54.7	52.5														
65	81.5	47.5	45.4	43.6	44.0														
70	67.9	34.6	32.1	32.1	31.4														
75	38.7	21.1	19.8	19.9	19.5														
80	14.2	9.99	9.21	9.37	9.32														
85	2.98	2.39	2.24	2.41	2.34														
90	0.92	0.59	0.41	0.36	0.34														

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: