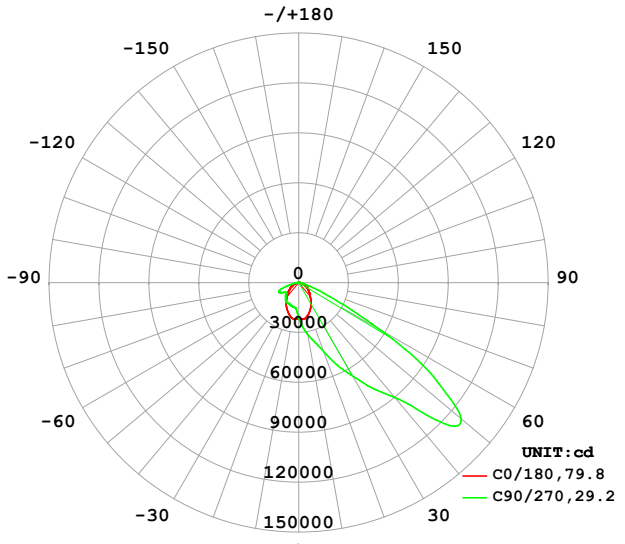
STREETLIGHT PHOTOMETRIC TEST REPORT

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:80385.2x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

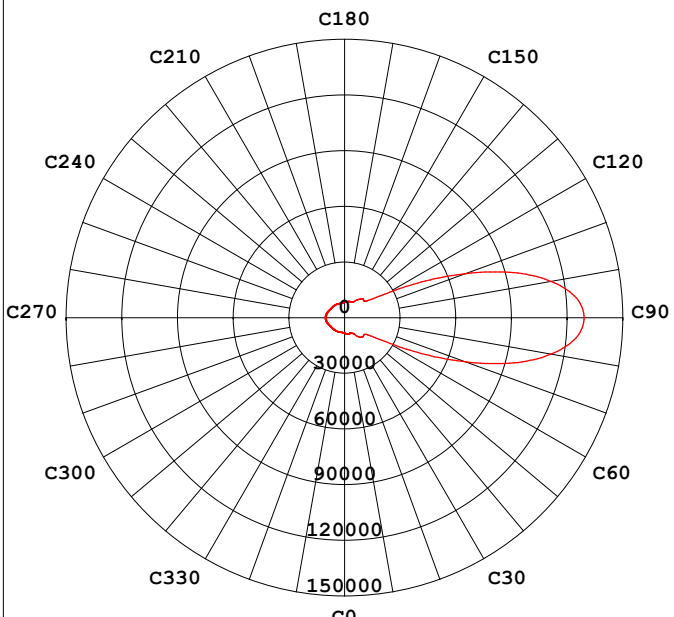
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 163.02 lm/W	
MODEL	/	Imax(cd)	129049	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	80385	η house_up(%)	0.0
NOMINAL FLUX(lm)	80385.2	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	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

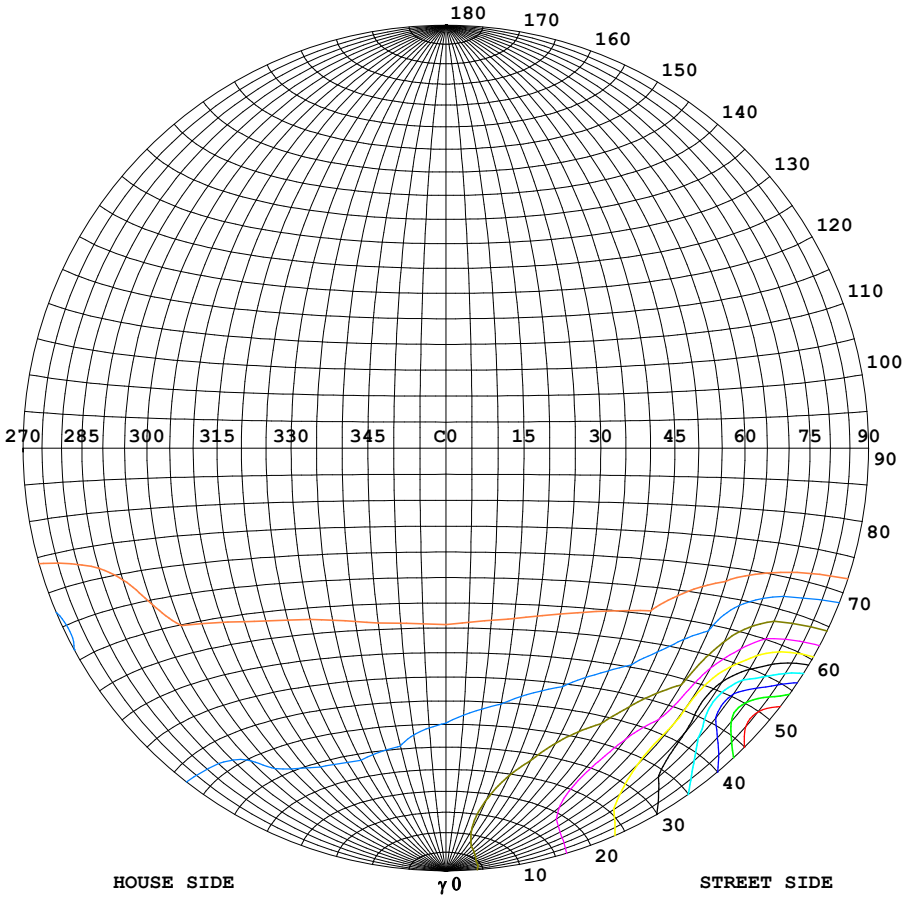


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

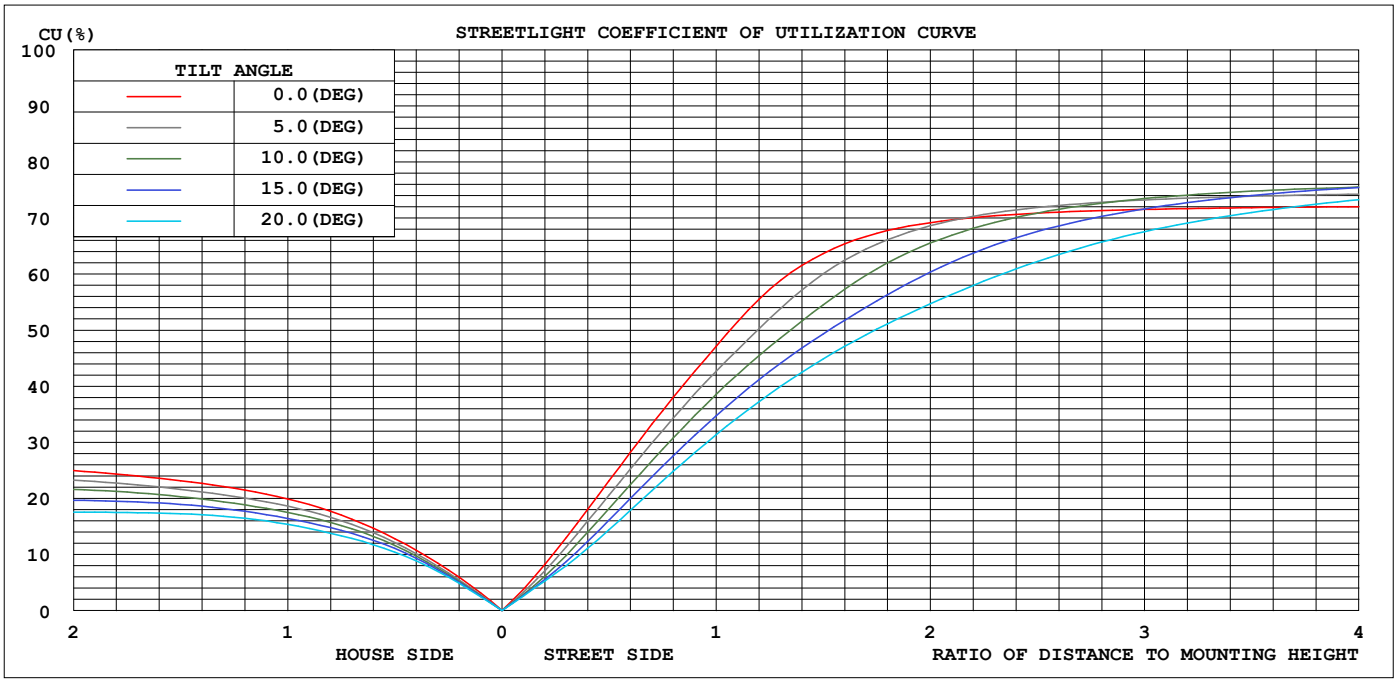
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

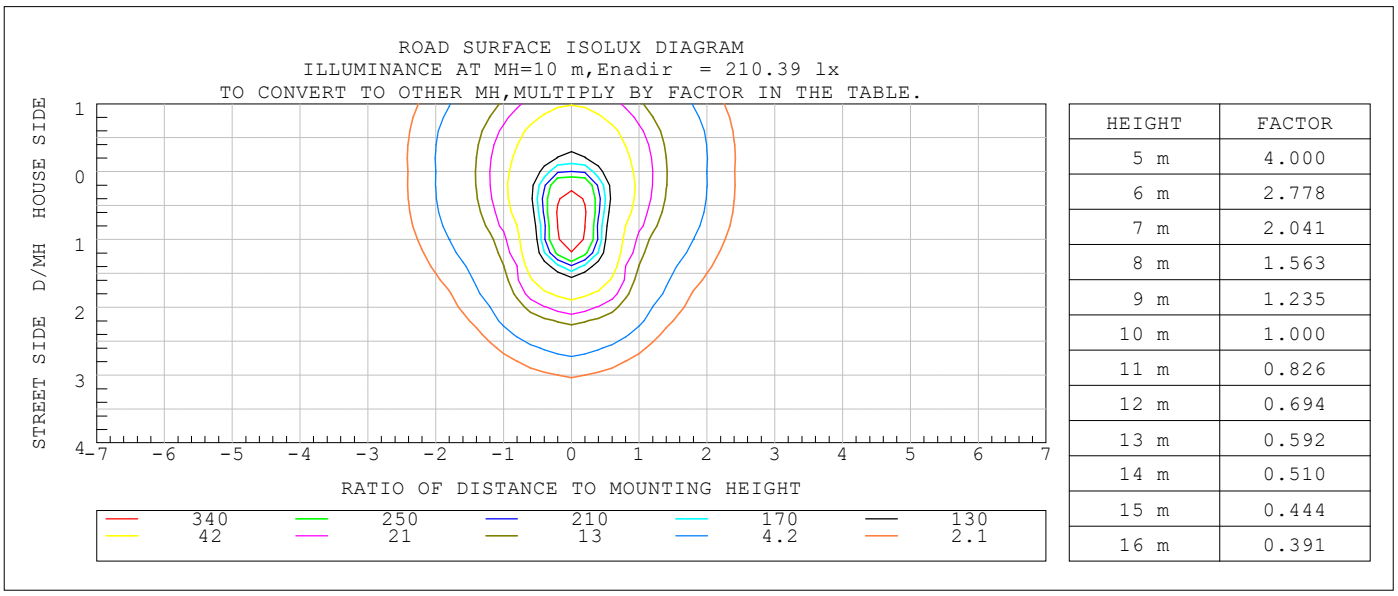
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	129049
90%	116144
80%	103239
70%	90334
60%	77430
50%	64525
40%	51620
30%	38715
20%	25810
10%	12905
5%	6452

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:

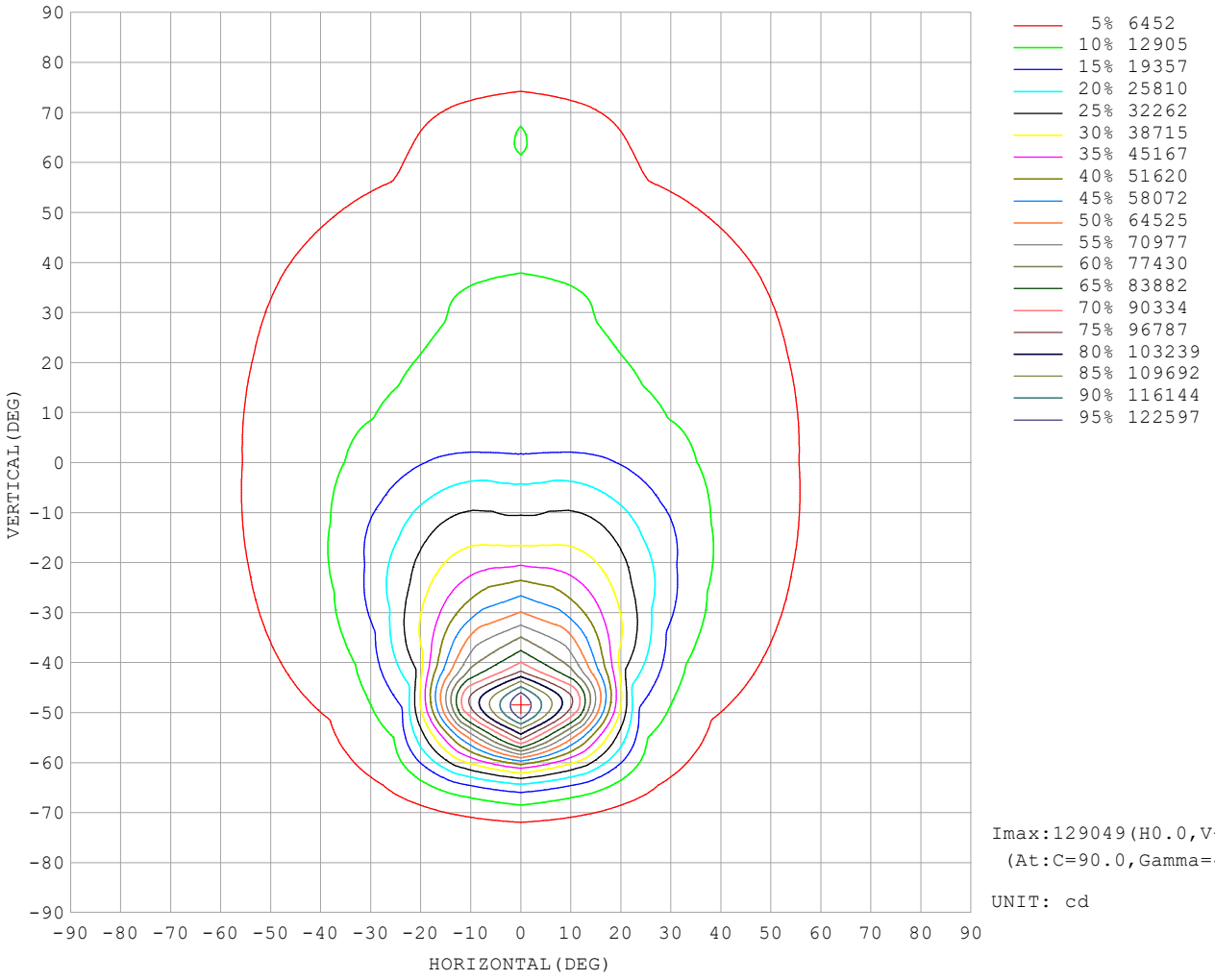
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	219.7	296.6	316.9	296.6	219.7	156.7	152.1	156.7	0- 10	2088	2088	2.6,2.6
20	189.6	354.3	440.5	354.3	189.6	143.4	146.0	143.4	10- 20	6699	8788	10.9,10.9
30	153.1	336.7	647.3	336.7	153.1	127.2	139.7	127.2	20- 30	11490	20277	25.2,25.2
40	108.6	239.4	903.5	239.4	108.6	109.0	123.6	109.0	30- 40	15477	35754	44.5,44.5
50	80.51	132.3	1274	132.3	80.51	84.05	101.8	84.05	40- 50	18103	53857	67,67
60	54.86	66.94	555.6	66.94	54.86	61.49	123.9	61.49	50- 60	15174	69031	85.9,85.9
70	31.28	37.17	97.79	37.17	31.28	34.31	110.2	34.31	60- 70	7762	76793	95.5,95.5
80	10.02	11.40	15.20	11.40	10.02	9.859	18.67	9.859	70- 80	3026	79819	99.3,99.3
90	0.1972	0.0509	0.0734	0.0509	0.1972	0.4401	1.188	0.4401	80- 90	566.0	80385	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:

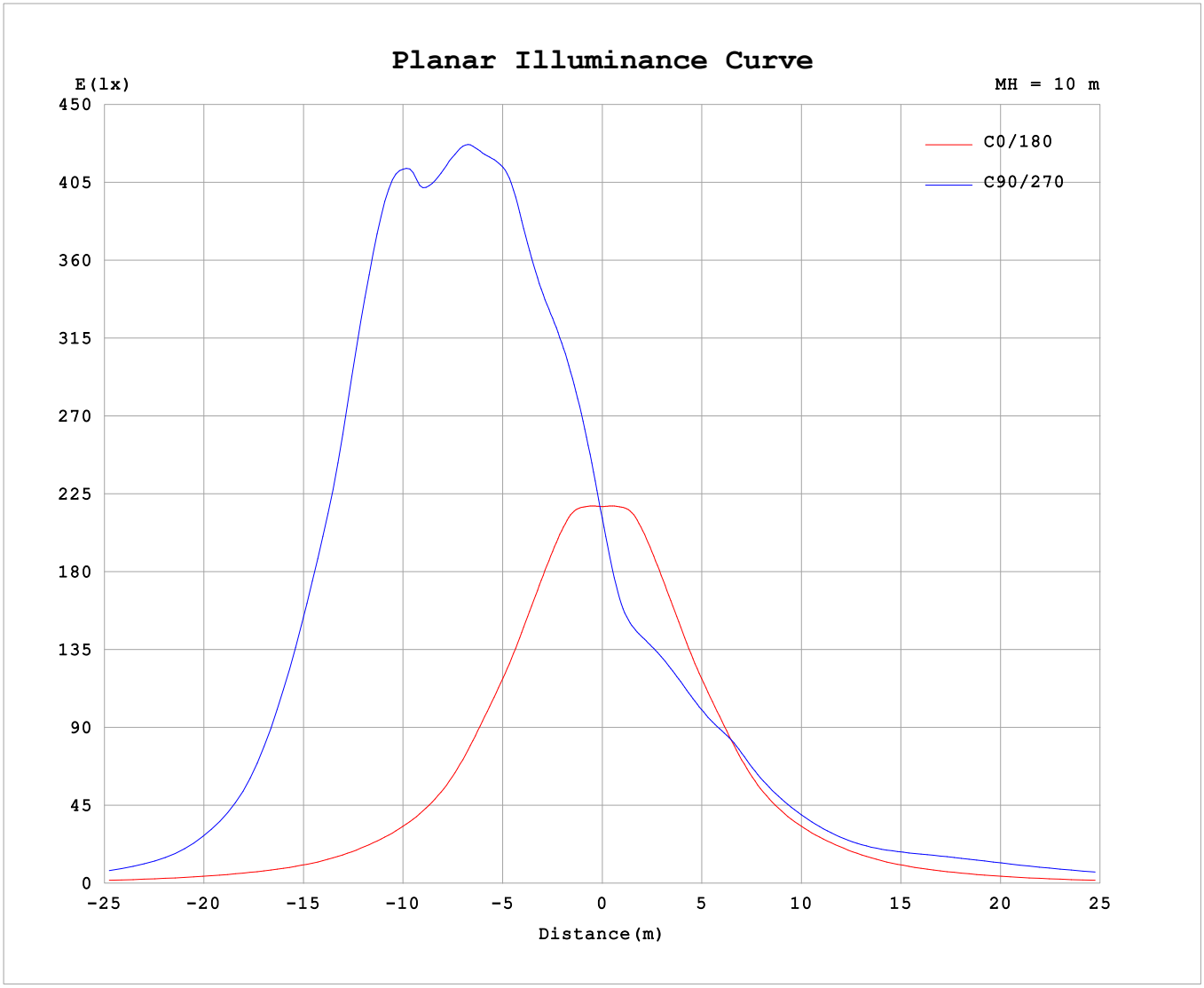
ISOCANDELA DIAGRAM



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



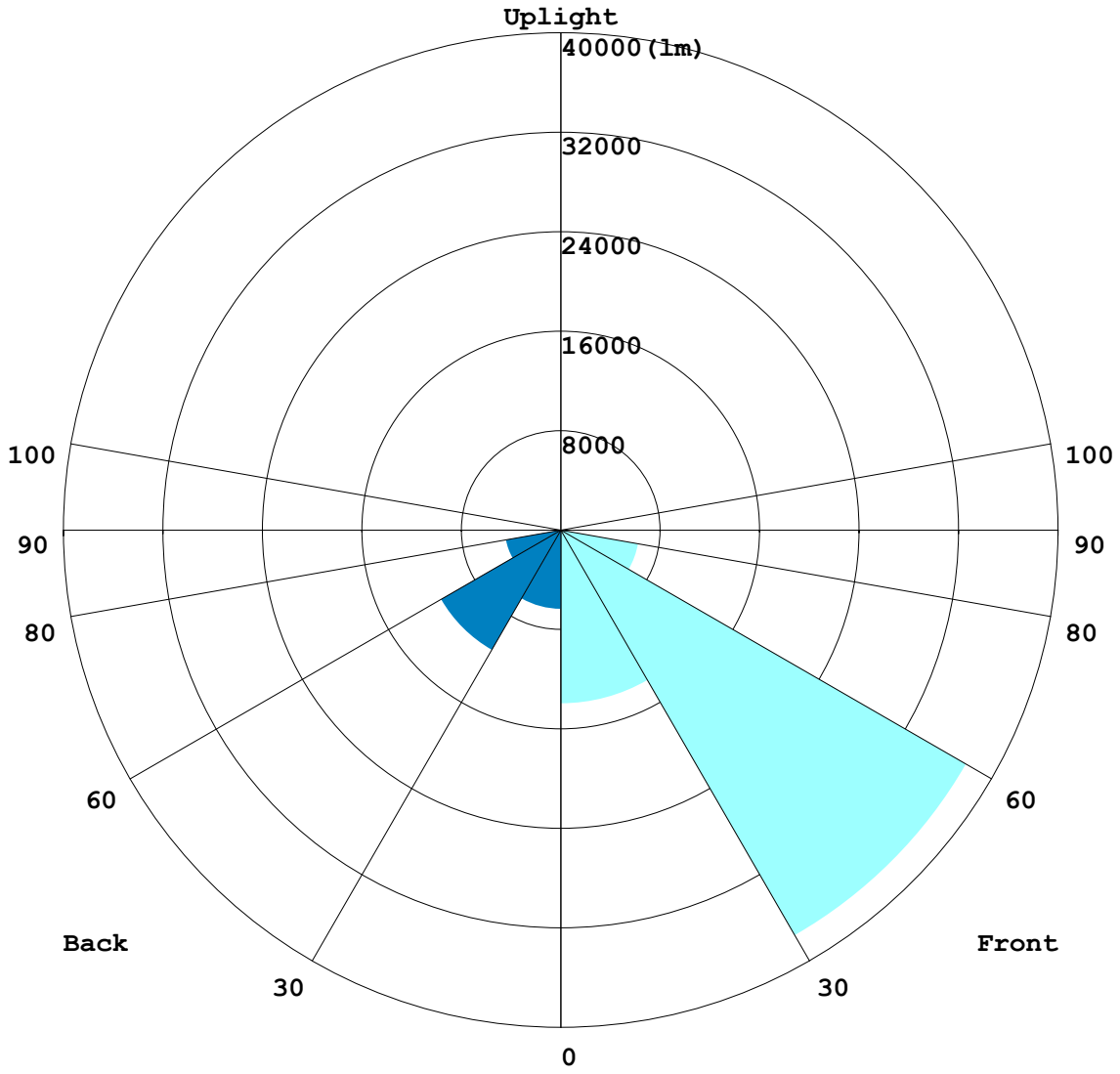
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:80385.2x1 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:80385.2x1 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)	13932	17.3
FM - Front-Medium(30-60)	37630	46.8
FH - Front-High(60-80)	6310.5	7.9
FVH - Front-Very High(80-90)	353.81	0.4
Total Forward Light	58226	72.4

BL - Back-Low(0-30)	6345.4	7.9
BM - Back-Medium(30-60)	11124	13.8
BH - Back-High(60-80)	4477.2	5.6
BVH - Back-Very High(80-90)	212.19	0.3
Total Back Light	22159	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	22159	0	22159
Street Side	58226	0	58226

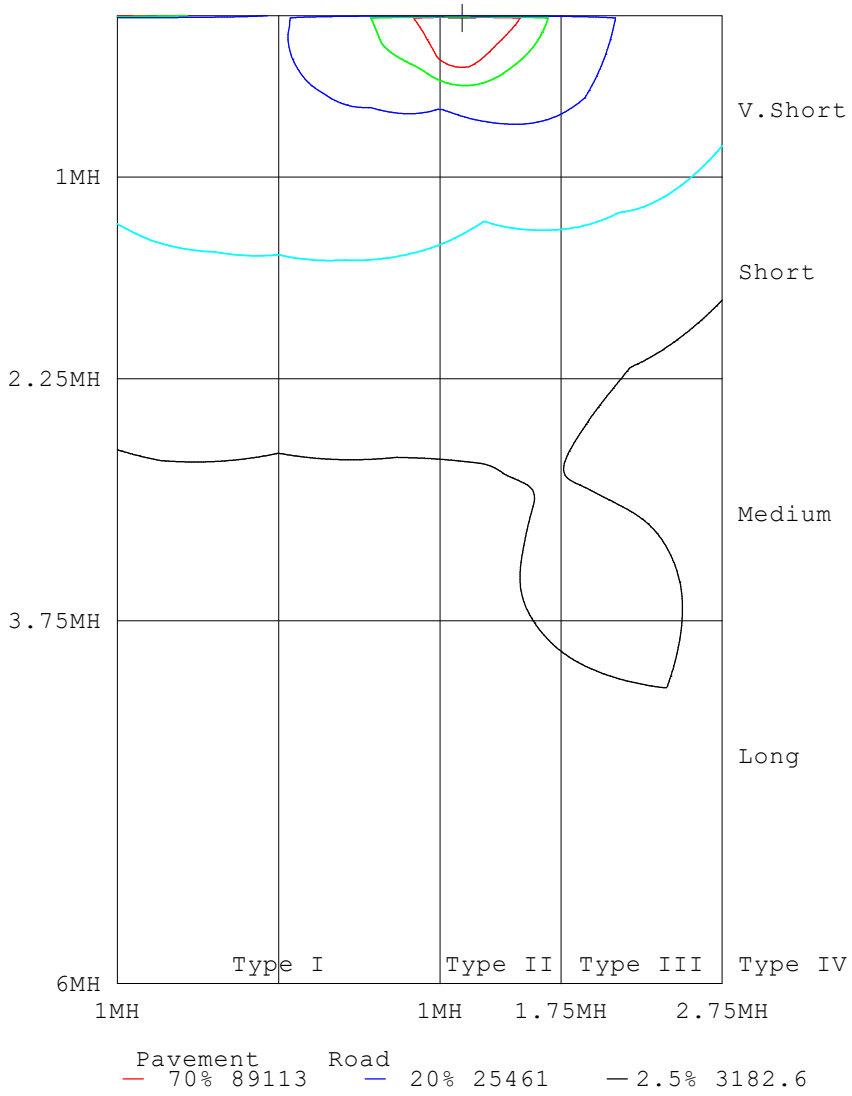
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:80385.2x1 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	218	211	211	210	211	210	211	210	211	210	211	211	218	211	211	210	211	210	211
5	220	228	242	251	260	263	266	263	260	251	242	228	220	199	188	177	171	166	166
10	220	244	275	297	310	313	317	313	310	297	275	244	220	186	167	157	153	152	152
15	207	246	296	333	356	364	368	364	356	333	296	246	207	169	154	149	149	149	149
20	190	232	296	354	394	425	441	425	394	354	296	232	190	157	146	143	145	145	146
25	171	211	279	355	426	505	547	505	426	355	279	211	171	143	136	136	138	140	141
30	153	189	249	337	448	579	647	579	448	337	249	189	153	131	126	127	131	136	140
35	130	159	210	299	449	667	775	667	449	299	210	159	130	117	116	118	126	134	137
40	109	127	161	239	416	741	903	741	416	239	161	127	109	102	104	109	115	119	124
45	93.4	106	125	176	333	866	1167	866	333	176	125	106	93.4	90.0	93.1	98.8	99.0	108	112
50	80.5	84.8	92.4	132	238	918	1274	918	238	132	92.4	84.8	80.5	79.0	82.4	84.1	88.3	97.0	102
55	66.1	69.6	75.7	87.8	171	634	994	634	171	87.8	75.7	69.6	66.1	67.8	71.3	72.5	76.7	87.9	103
60	54.9	57.6	62.2	66.9	118	390	556	390	118	66.9	62.2	57.6	54.9	56.2	58.5	61.5	64.2	88.0	124
65	43.0	46.0	48.2	50.6	79.9	183	230	183	79.9	50.6	48.2	46.0	43.0	47.1	46.7	48.6	50.8	87.2	133
70	31.3	33.3	36.3	37.2	48.1	75.2	97.8	75.2	48.1	37.2	36.3	33.3	31.3	33.6	34.3	34.3	37.1	72.6	110
75	21.0	25.5	36.4	23.0	25.1	30.4	38.9	30.4	25.1	23.0	36.4	25.5	21.0	20.9	21.3	21.2	22.6	41.4	55.6
80	10.0	14.7	22.4	11.4	11.9	11.0	15.2	11.0	11.9	11.4	22.4	14.7	10.0	9.98	10.0	9.86	10.7	15.2	18.7
85	3.35	9.13	16.7	3.74	2.93	2.87	3.52	2.87	2.93	3.74	16.7	9.13	3.35	2.51	2.58	2.40	2.55	3.19	3.59
90	0.20	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.05	0.05	0.20	0.37	0.39	0.44	0.64	0.98	1.19

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	210	211	210	211	211														
5	166	171	177	188	199														
10	152	153	157	167	186														
15	149	149	149	154	169														
20	145	145	143	146	157														
25	140	138	136	136	143														
30	136	131	127	126	131														
35	134	126	118	116	117														
40	119	115	109	104	102														
45	108	99.0	98.8	93.1	90.0														
50	97.0	88.3	84.1	82.4	79.0														
55	87.9	76.7	72.5	71.3	67.8														
60	88.0	64.2	61.5	58.5	56.2														
65	87.2	50.8	48.6	46.7	47.1														
70	72.6	37.1	34.3	34.3	33.6														
75	41.4	22.6	21.2	21.3	20.9														
80	15.2	10.7	9.86	10.0	9.98														
85	3.19	2.55	2.40	2.58	2.51														
90	0.98	0.64	0.44	0.39	0.37														

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: