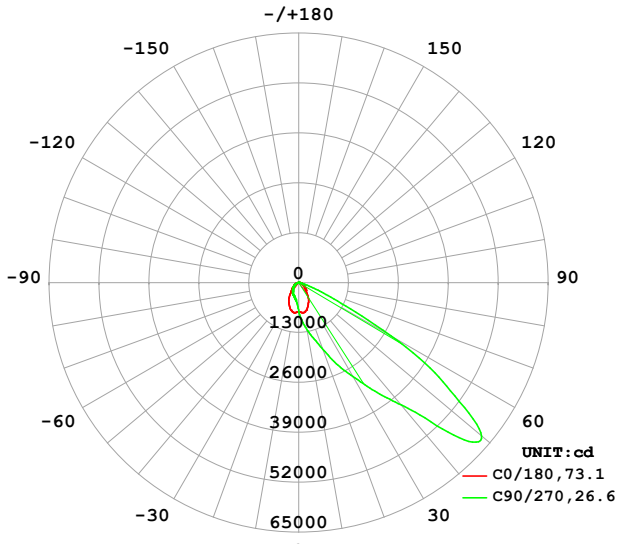
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29101.7x1 lm		
NAME: FL72-500(250W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

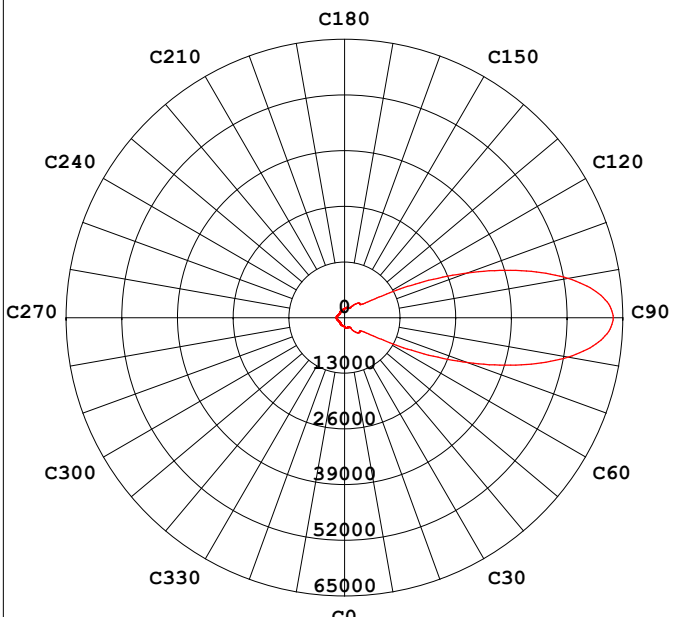
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 118.73 lm/W	
MODEL	/	Imax(cd)	62735	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	29102	η house_up(%)	0.0
NOMINAL FLUX(lm)	29101.7	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 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

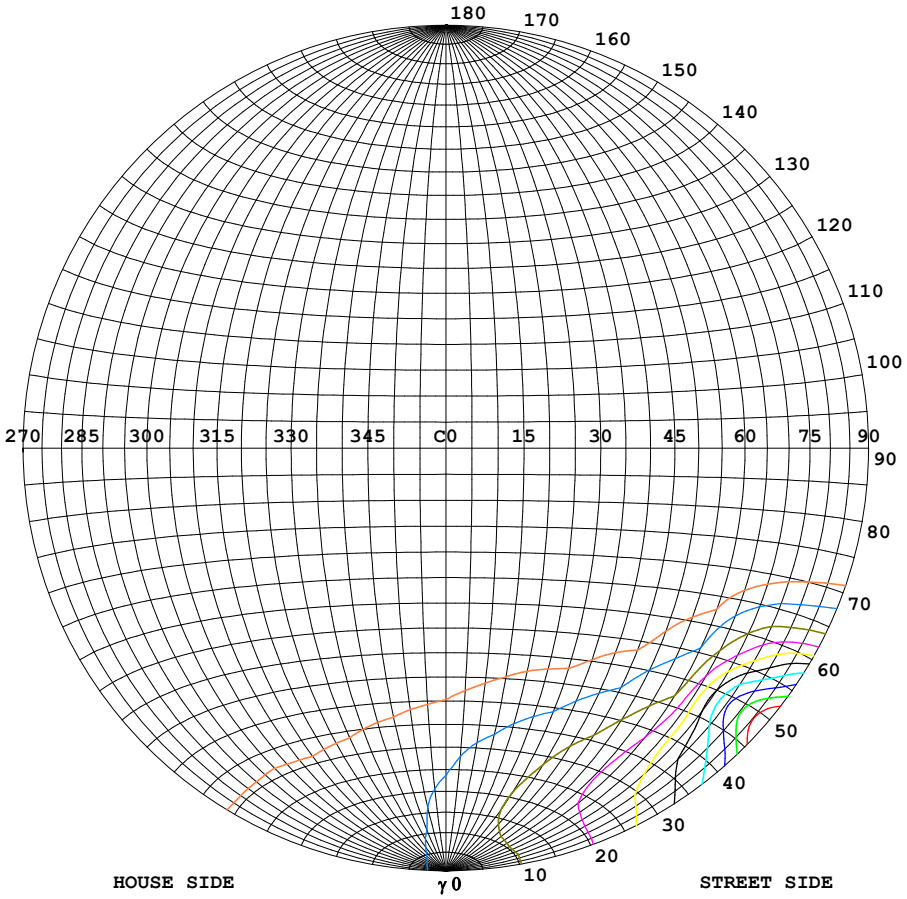


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

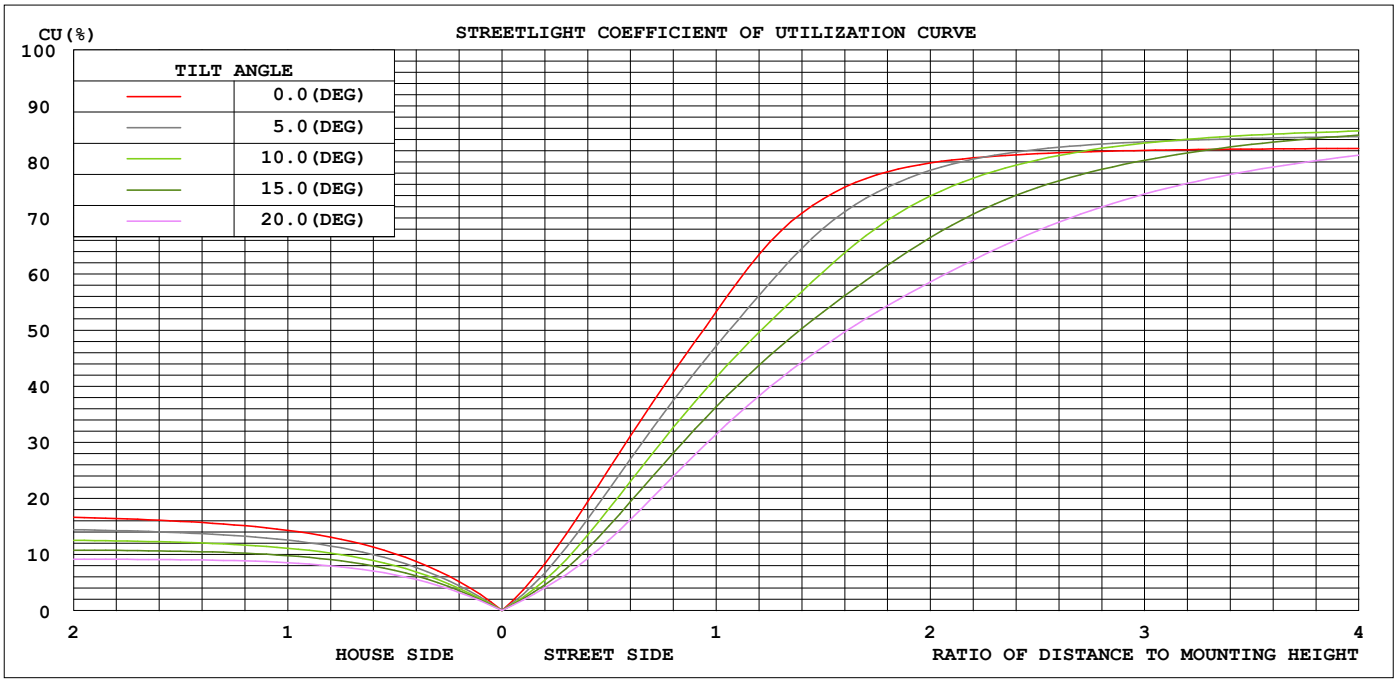
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

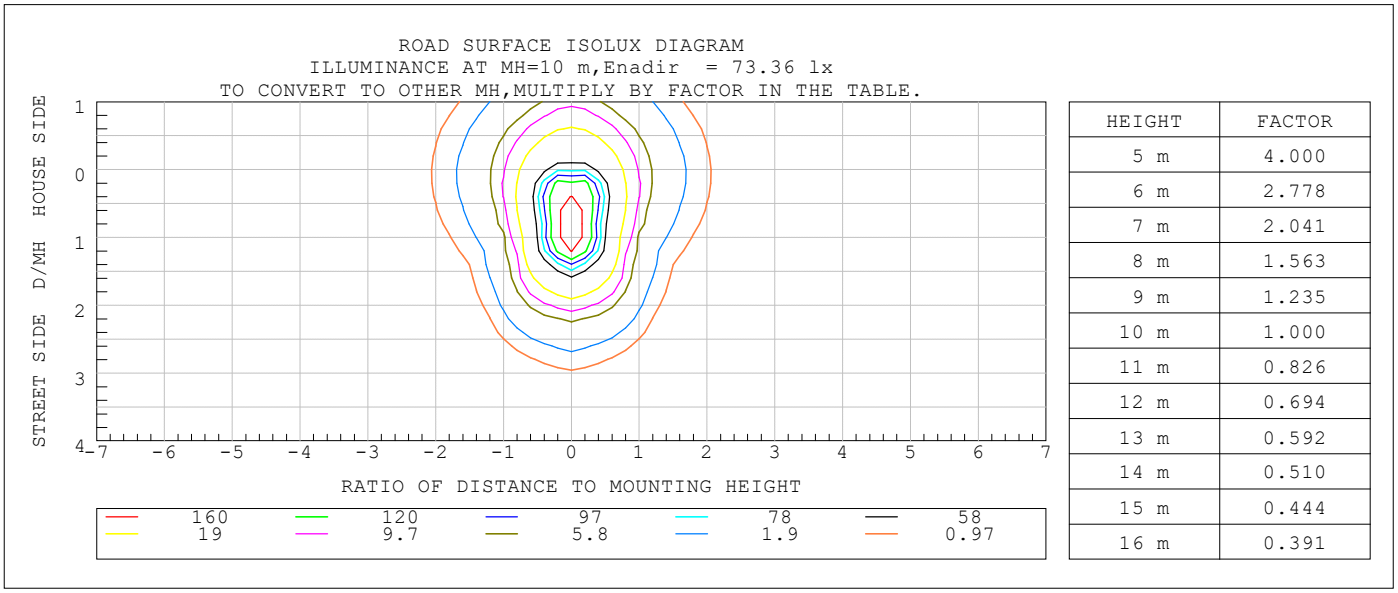
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	62735
90%	56461
80%	50188
70%	43914
60%	37641
50%	31367
40%	25094
30%	18820
20%	12547
10%	6273
5%	3137

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:

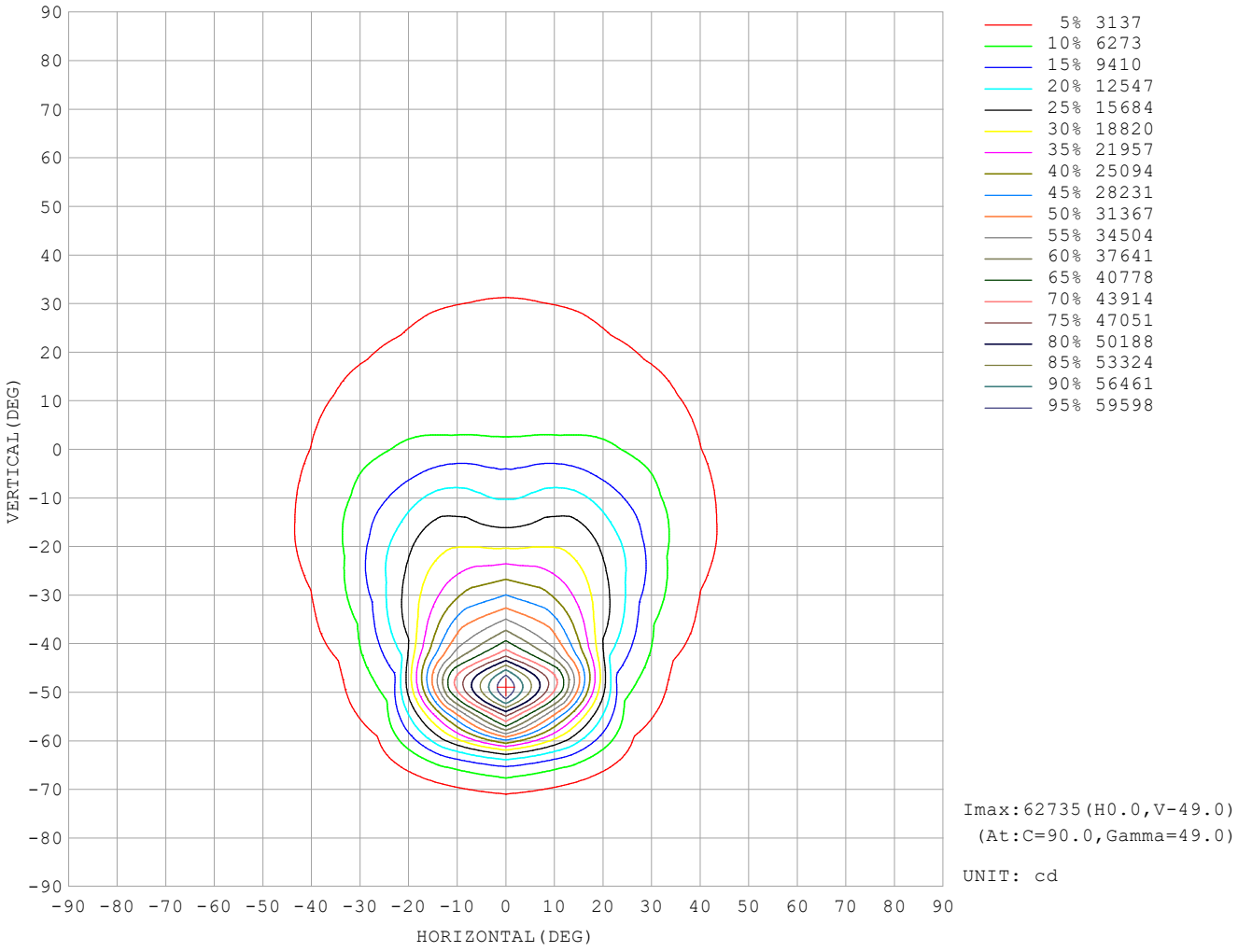
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	793.0	1186	1239	1186	793.0	506.8	467.6	506.8	0- 10	750.0	750.0	2.58,2.58
20	689.9	1582	1847	1582	689.9	417.6	378.2	417.6	10- 20	2543	3293	11.3,11.3
30	524.3	1517	2822	1517	524.3	326.0	325.0	326.0	20- 30	4473	7765	26.7,26.7
40	317.4	996.5	4165	996.5	317.4	244.0	258.4	244.0	30- 40	5928	13693	47.1,47.1
50	214.9	455.3	6220	455.3	214.9	160.3	192.8	160.3	40- 50	6968	20661	71,71
60	138.9	161.9	2781	161.9	138.9	105.5	132.9	105.5	50- 60	5601	26263	90.2,90.2
70	81.73	66.57	396.0	66.57	81.73	56.09	59.17	56.09	60- 70	2138	28401	97.6,97.6
80	29.59	17.40	37.79	17.40	29.59	17.11	15.75	17.11	70- 80	603.5	29004	99.7,99.7
90	0.5012	0.1273	0.1534	0.1273	0.5012	1.080	4.963	1.080	80- 90	97.58	29102	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:X10cd									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:

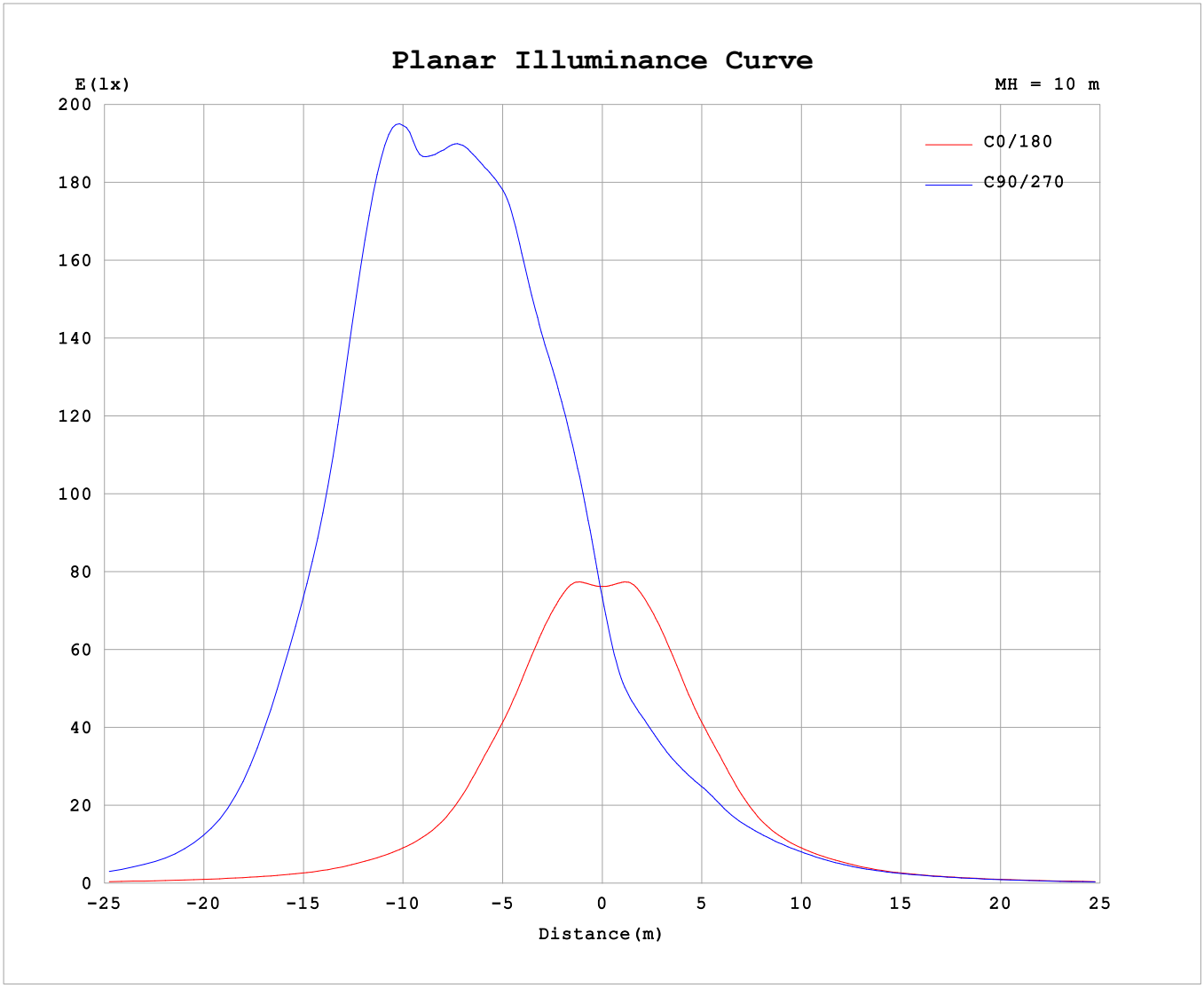
ISOCANDELA DIAGRAM



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



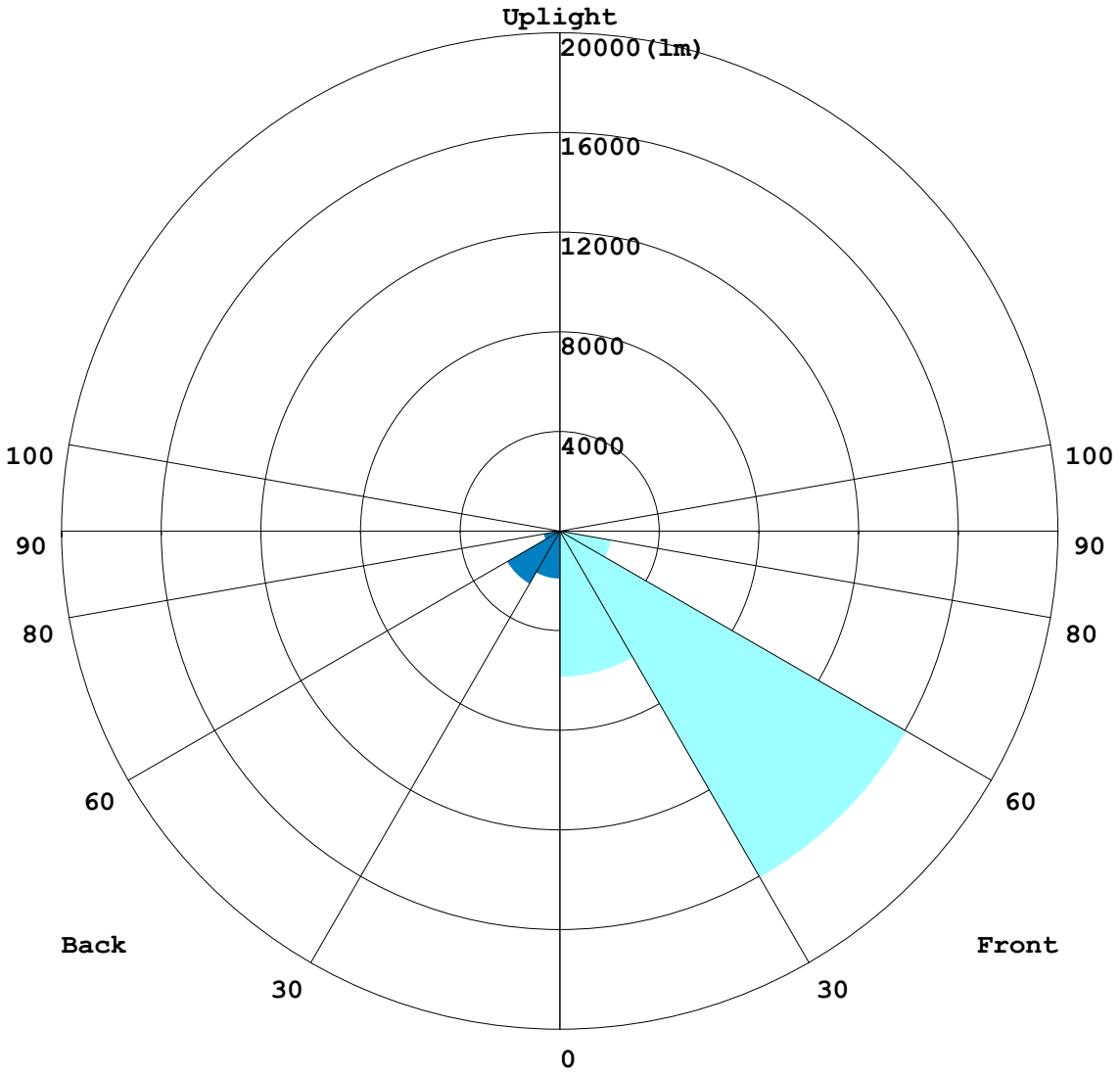
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29101.7x1 lm		
NAME: FL72-500(250W)-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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29101.7x1 lm		
NAME: FL72-500(250W)-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)	5852.6	20.1
FM - Front-Medium(30-60)	16054	55.2
FH - Front-High(60-80)	2083.3	7.2
FVH - Front-Very High(80-90)	53.491	0.2
Total Forward Light	24044	82.6
BL - Back-Low(0-30)	1912.6	6.6
BM - Back-Medium(30-60)	2443	8.4
BH - Back-High(60-80)	658.36	2.3
BVH - Back-Very High(80-90)	44.085	0.2
Total Back Light	5058.1	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	B3-U0-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5058.1	0	5058.1
Street Side	24044	0	24044

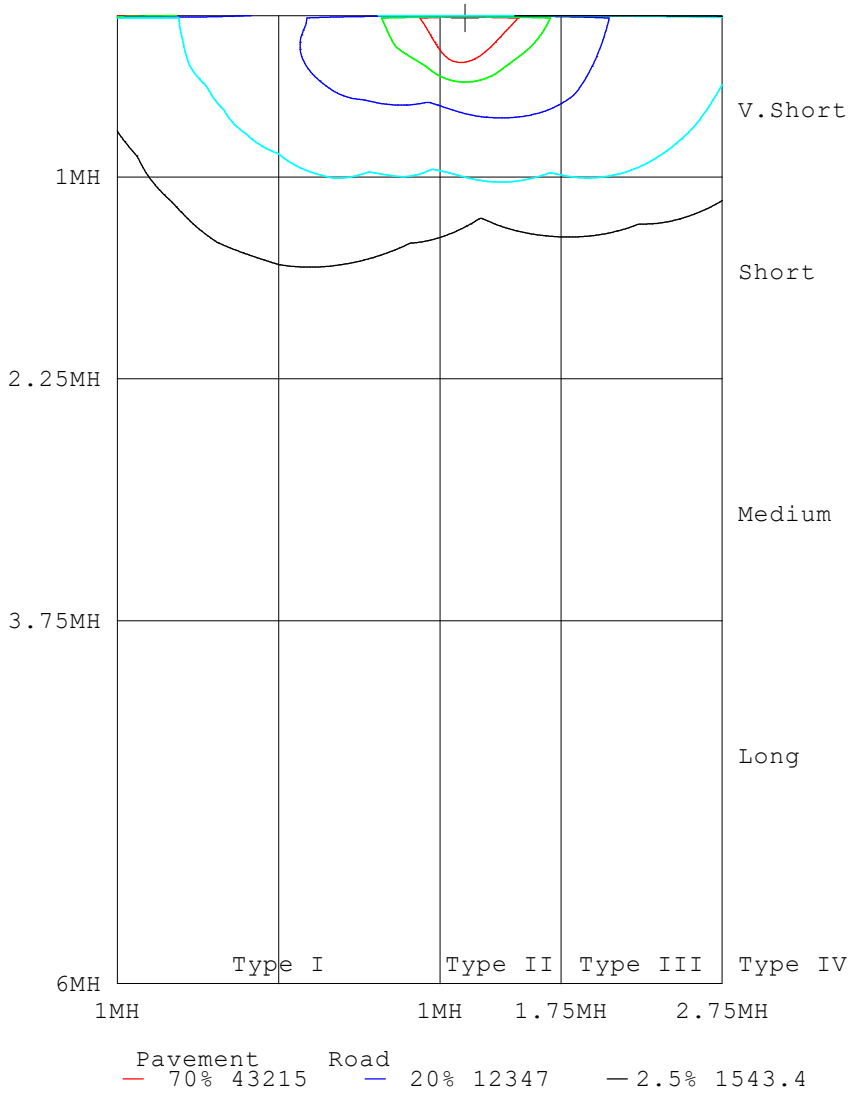
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:29101.7x1 lm		
NAME: FL72-500(250W)-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: X10cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	763	733	734	732	735	732	735	732	735	732	734	733	763	733	734	732	735	732	735
5	781	817	883	929	966	977	990	977	966	929	883	817	781	687	636	592	566	548	545
10	793	920	1082	1186	1231	1230	1239	1230	1231	1186	1082	920	793	637	555	507	482	470	468
15	757	953	1224	1425	1510	1500	1500	1500	1510	1425	1224	953	757	578	501	459	437	423	420
20	690	909	1259	1582	1752	1819	1847	1819	1752	1582	1259	909	690	526	458	418	393	381	378
25	603	815	1182	1613	1929	2205	2340	2205	1929	1613	1182	815	603	462	404	371	359	353	354
30	524	717	1044	1517	2007	2548	2822	2548	2007	1517	1044	717	524	402	348	326	327	323	325
35	416	564	842	1312	1973	2926	3448	2926	1973	1312	842	564	416	339	300	285	282	281	285
40	317	411	588	997	1796	3291	4165	3291	1796	997	588	411	317	276	255	244	233	250	258
45	258	318	410	673	1405	3857	5504	3857	1405	673	410	318	258	228	217	195	195	216	229
50	215	233	254	455	978	4190	6220	4190	978	455	254	233	215	191	180	160	160	179	193
55	168	176	186	249	668	2878	4700	2878	668	249	186	176	168	159	140	132	129	145	158
60	139	140	141	162	423	1678	2781	1678	423	162	141	140	139	127	112	106	102	118	133
65	110	111	104	105	241	745	1013	745	241	105	104	111	110	104	87.8	79.0	75.4	88.1	100
70	81.7	78.5	74.8	66.6	132	275	396	275	132	66.6	74.8	78.5	81.7	77.9	66.5	56.1	50.4	53.5	59.2
75	59.4	59.5	82.3	37.2	59.2	91.4	122	91.4	59.2	37.2	82.3	59.5	59.4	53.9	47.4	35.6	30.3	30.9	33.6
80	29.6	28.5	30.5	17.4	20.3	26.3	37.8	26.3	20.3	17.4	30.5	28.5	29.6	31.2	24.8	17.1	15.2	14.9	15.7
85	12.8	9.38	18.9	4.35	3.39	4.68	7.59	4.68	3.39	4.35	18.9	9.38	12.8	7.67	6.08	4.66	4.47	5.15	5.99
90	0.50	0.13	0.13	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.13	0.50	0.89	0.88	1.08	2.09	3.91	4.96

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: X10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	732	735	732	734	733														
5	548	566	592	636	687														
10	470	482	507	555	637														
15	423	437	459	501	578														
20	381	393	418	458	526														
25	353	359	371	404	462														
30	323	327	326	348	402														
35	281	282	285	300	339														
40	250	233	244	255	276														
45	216	195	195	217	228														
50	179	160	160	180	191														
55	145	129	132	140	159														
60	118	102	106	112	127														
65	88.1	75.4	79.0	87.8	104														
70	53.5	50.4	56.1	66.5	77.9														
75	30.9	30.3	35.6	47.4	53.9														
80	14.9	15.2	17.1	24.8	31.2														
85	5.15	4.47	4.66	6.08	7.67														
90	3.91	2.09	1.08	0.88	0.89														

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: