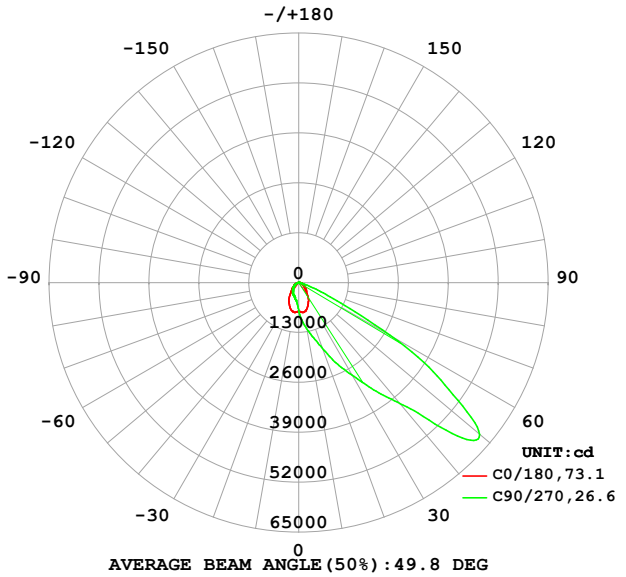
STREETLIGHT PHOTOMETRIC TEST REPORT

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:28767.7x1 lm		
NAME: FL72-500(250W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

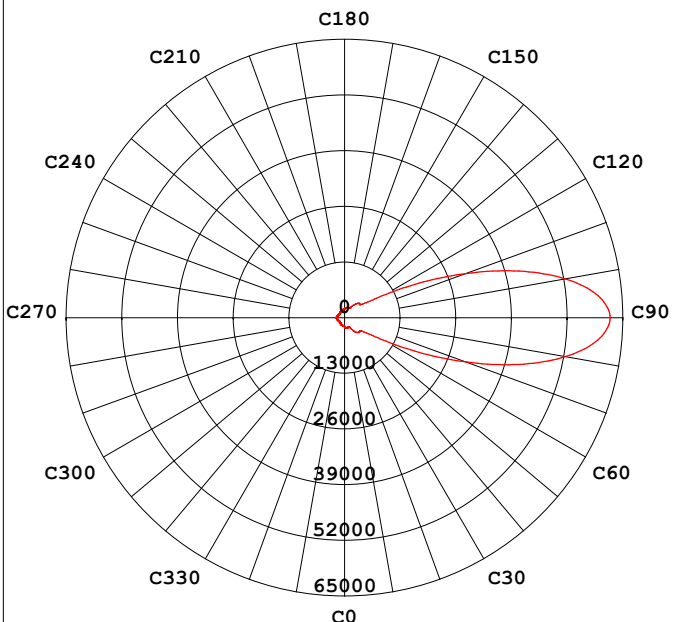
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 117.37 lm/W	
MODEL	/	Imax(cd)	62015	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	28768	η house_up(%)	0.0
NOMINAL FLUX(lm)	28767.7	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 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

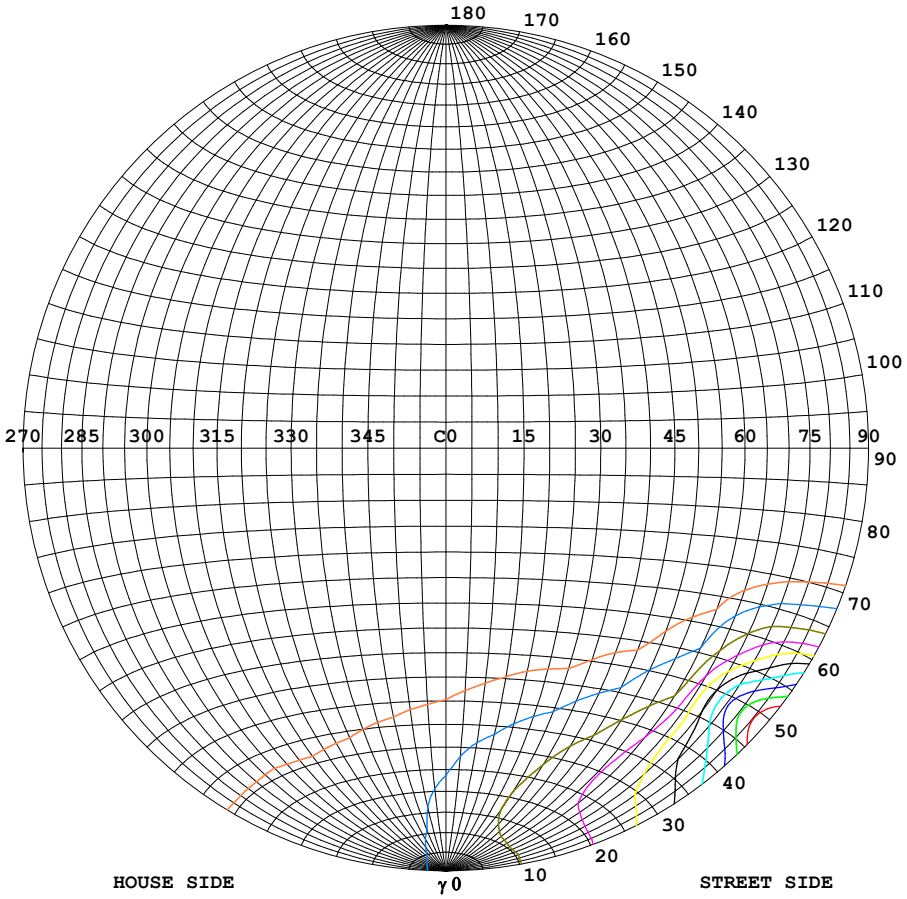


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

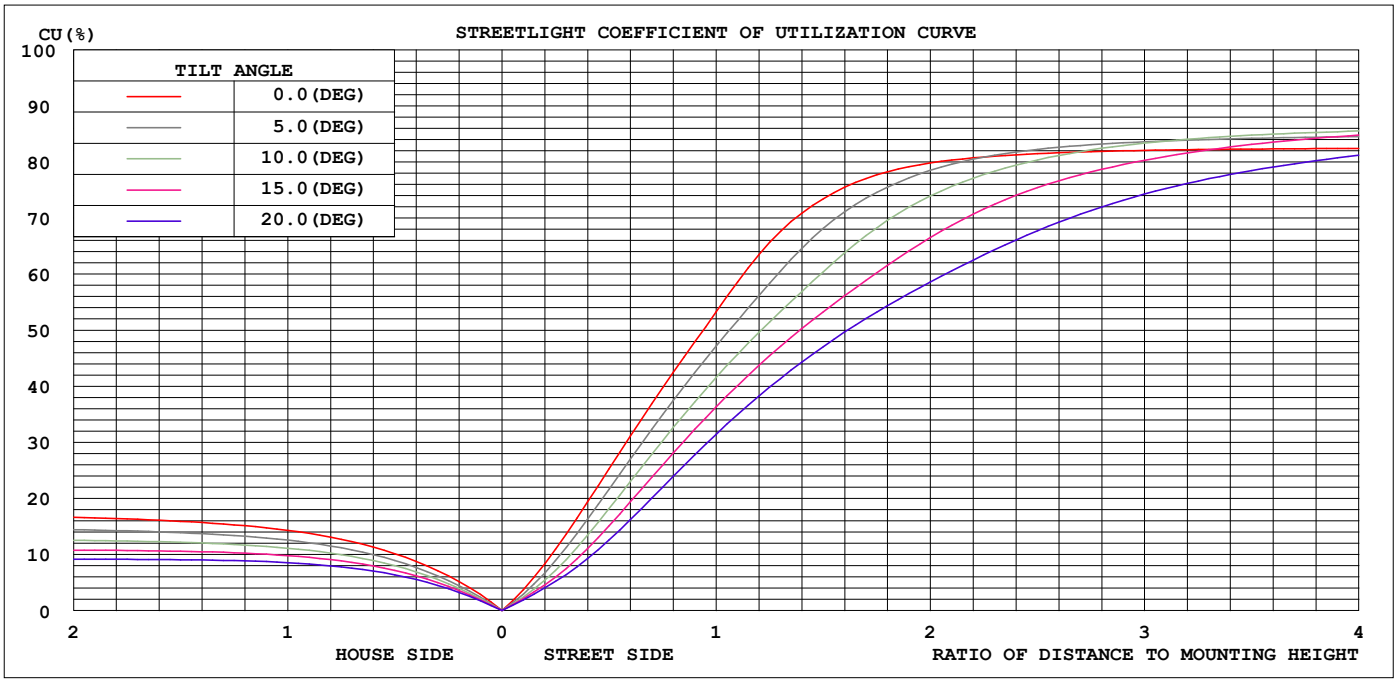
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

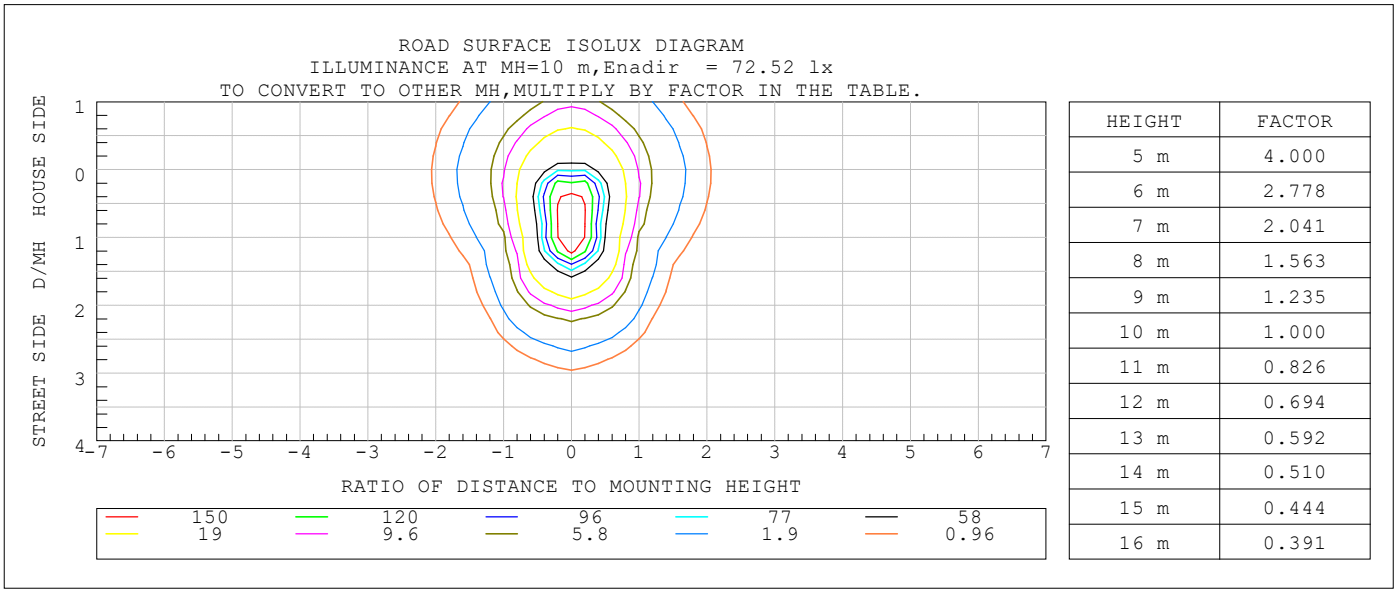
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	62015
90%	55813
80%	49612
70%	43410
60%	37209
50%	31007
40%	24806
30%	18604
20%	12403
10%	6201
5%	3101

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:

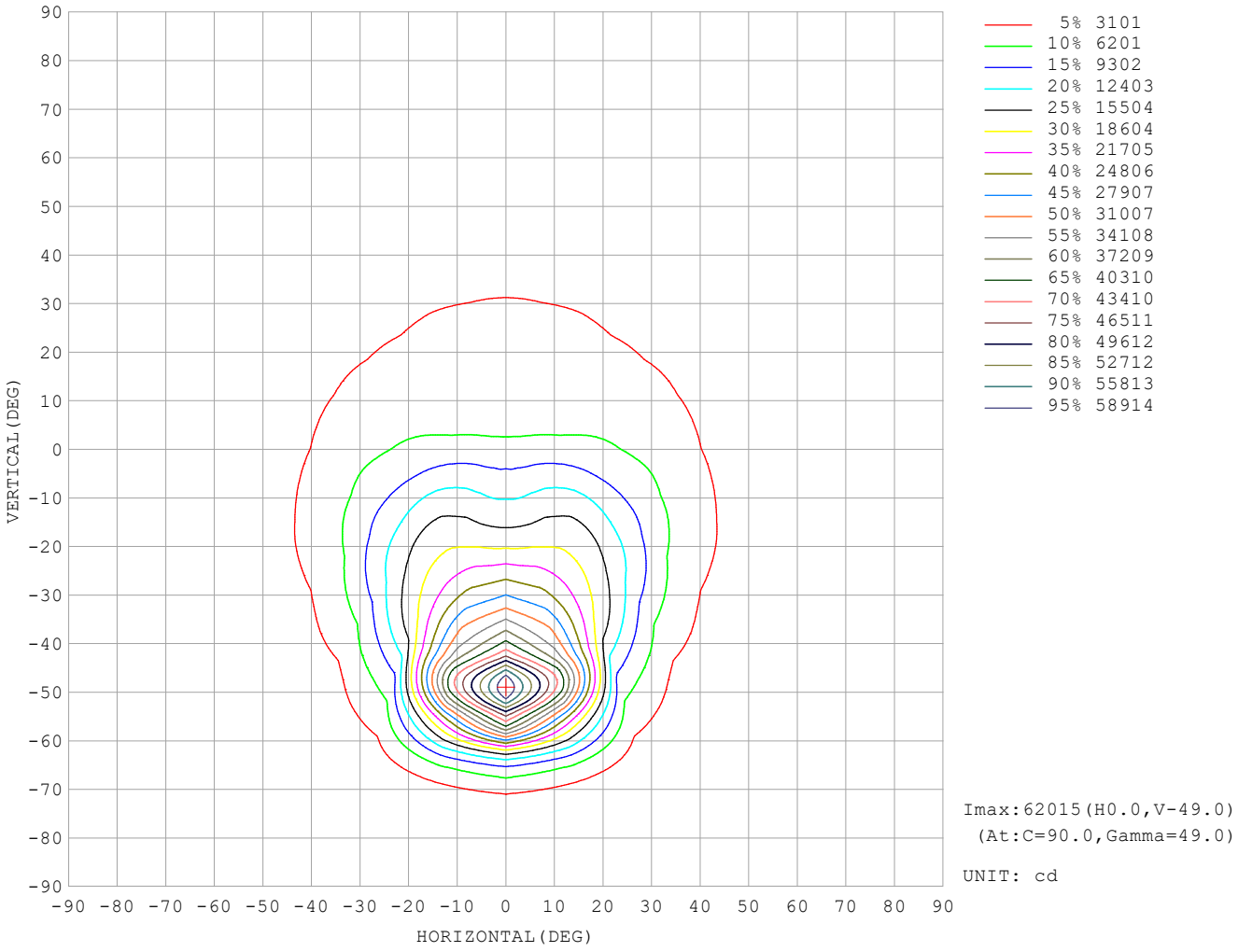
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	783.9	1173	1225	1173	783.9	501.0	462.3	501.0	0- 10	741.4	741.4	2.58,2.58
20	681.9	1564	1825	1564	681.9	412.8	373.9	412.8	10- 20	2513	3255	11.3,11.3
30	518.3	1500	2789	1500	518.3	322.3	321.3	322.3	20- 30	4421	7676	26.7,26.7
40	313.8	985.1	4117	985.1	313.8	241.2	255.4	241.2	30- 40	5860	13536	47.1,47.1
50	212.5	450.1	6148	450.1	212.5	158.5	190.6	158.5	40- 50	6888	20424	71,71
60	137.3	160.0	2749	160.0	137.3	104.3	131.4	104.3	50- 60	5537	25961	90.2,90.2
70	80.79	65.80	391.4	65.80	80.79	55.45	58.49	55.45	60- 70	2114	28075	97.6,97.6
80	29.25	17.20	37.36	17.20	29.25	16.92	15.56	16.92	70- 80	596.6	28671	99.7,99.7
90	0.4955	0.1259	0.1516	0.1259	0.4955	1.068	4.906	1.068	80- 90	96.46	28768	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:

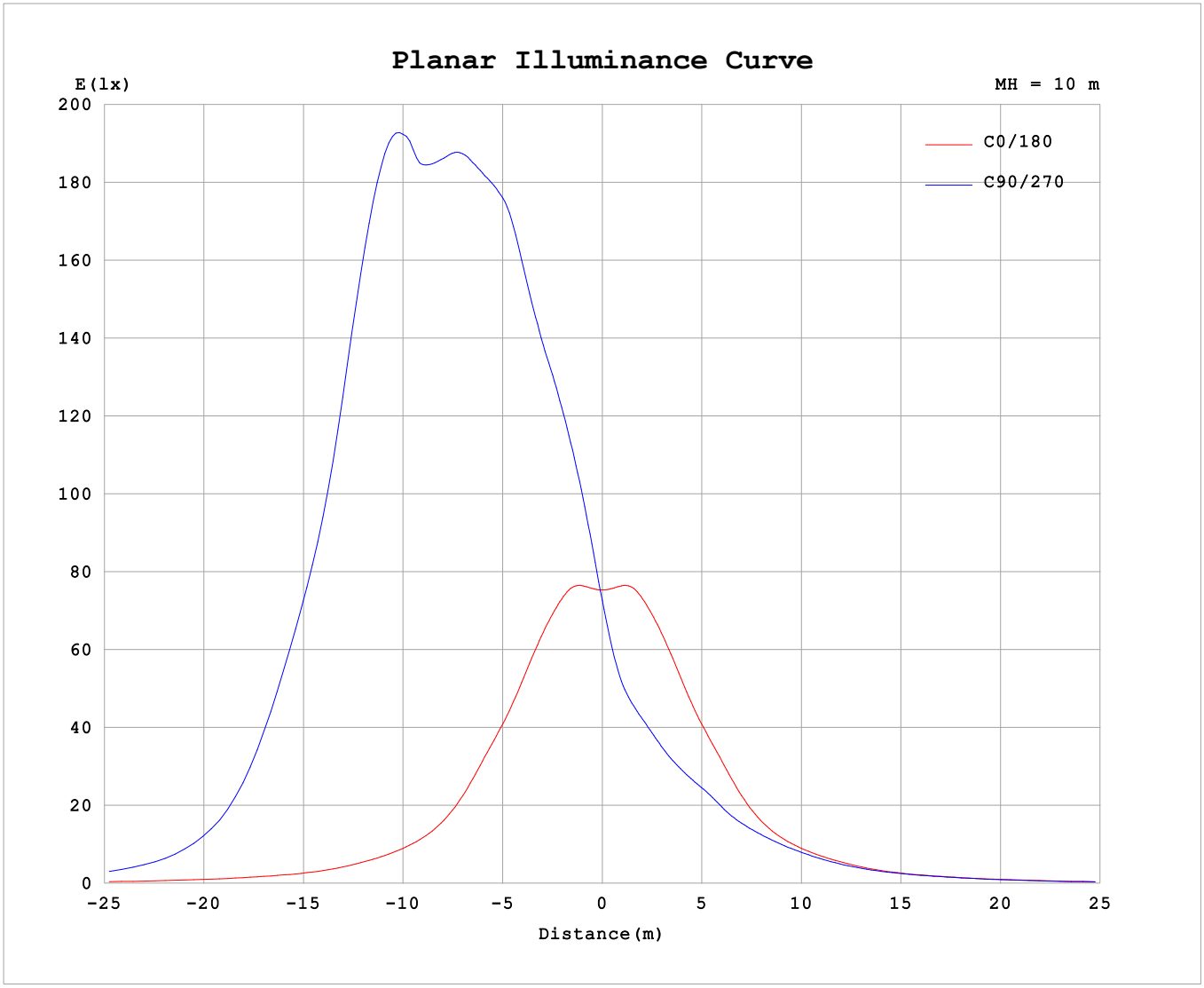
ISOCANDELA DIAGRAM



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



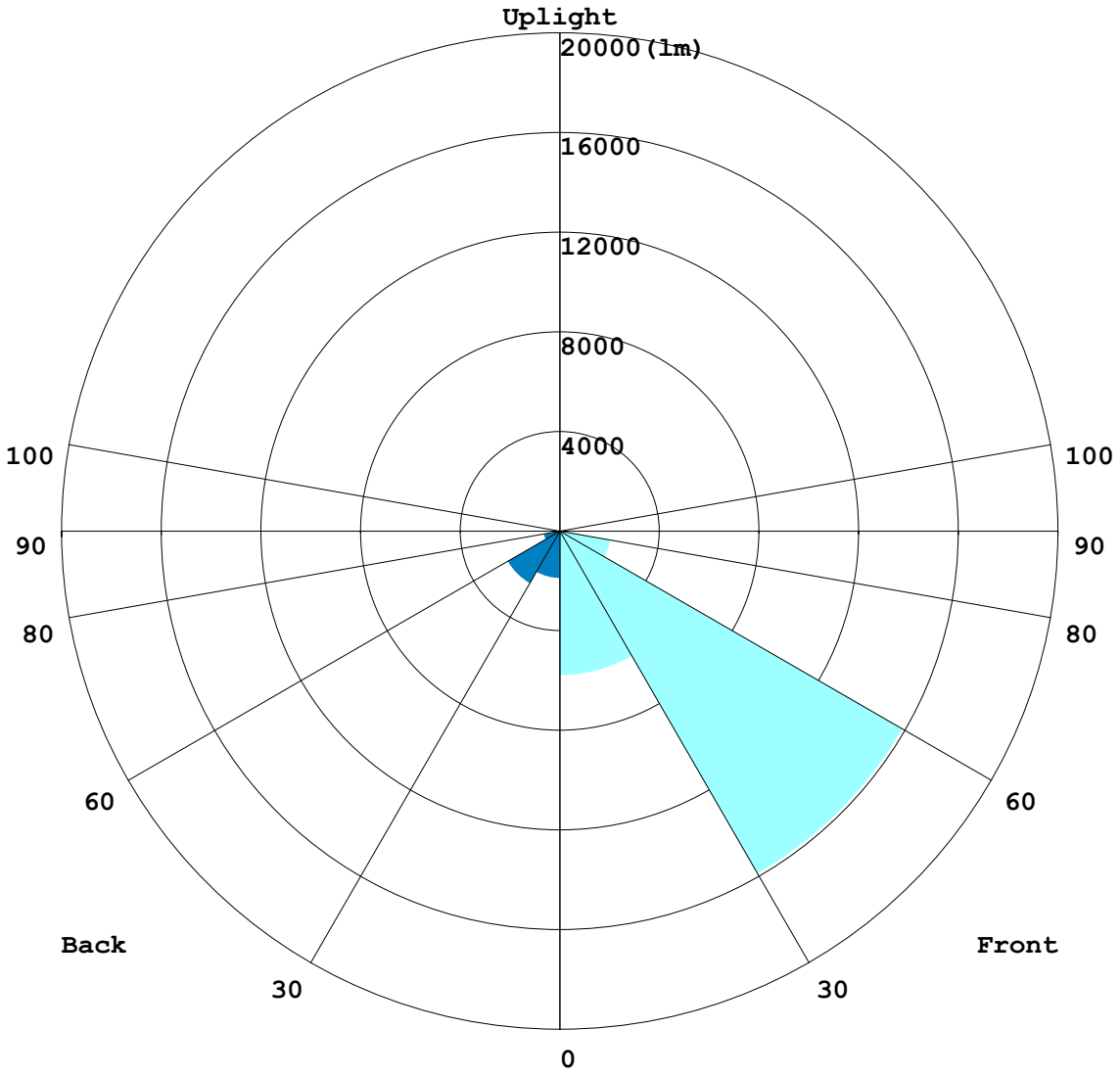
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:28767.7x1 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:28767.7x1 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)	5785.4	20.1
FM - Front-Medium(30-60)	15870	55.2
FH - Front-High(60-80)	2059.4	7.2
FVH - Front-Very High(80-90)	52.877	0.2
Total Forward Light	23768	82.6
BL - Back-Low(0-30)	1890.7	6.6
BM - Back-Medium(30-60)	2415	8.4
BH - Back-High(60-80)	650.8	2.3
BVH - Back-Very High(80-90)	43.579	0.2
Total Back Light	5000	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	5000	0	5000
Street Side	23768	0	23768

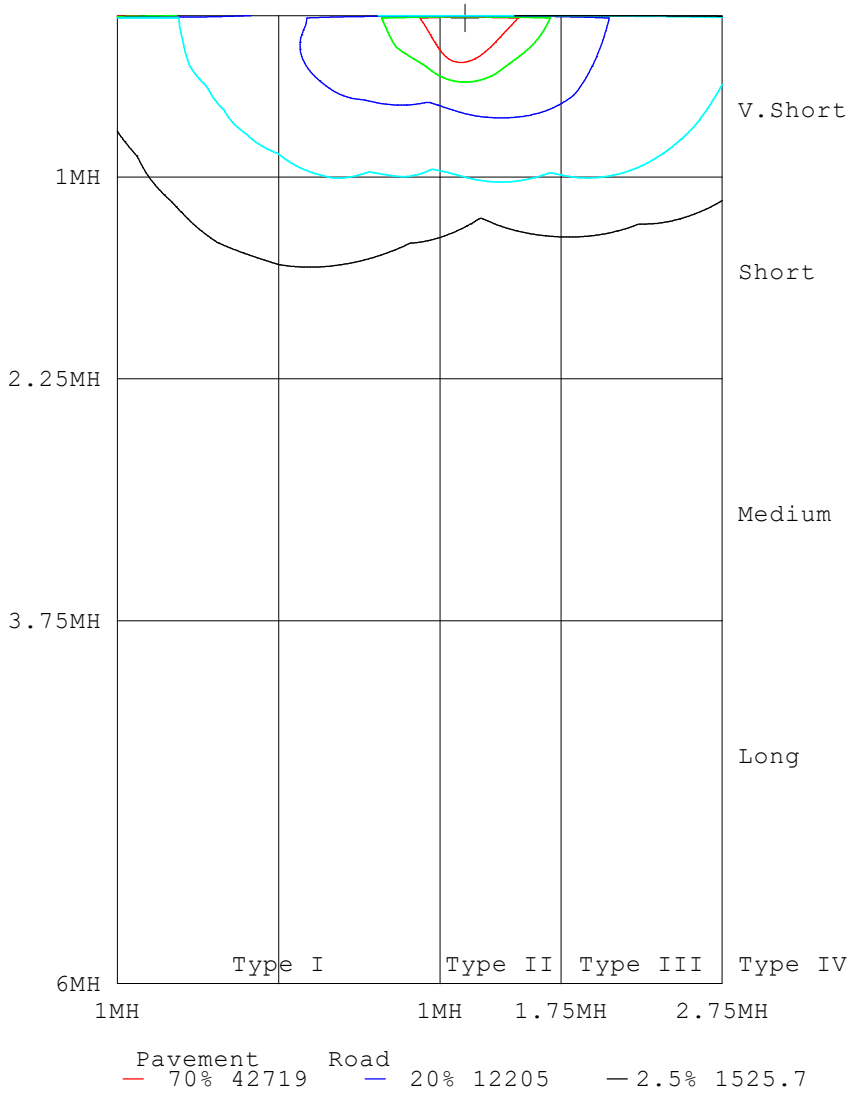
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:28767.7x1 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	754	724	726	724	726	723	727	723	726	724	726	724	754	724	726	724	726	723	727
5	772	808	873	918	955	966	979	966	955	918	873	808	772	680	629	586	559	542	539
10	784	910	1070	1173	1217	1215	1225	1215	1217	1173	1070	910	784	630	549	501	477	464	462
15	748	942	1210	1408	1492	1483	1482	1483	1492	1408	1210	942	748	572	495	454	432	418	415
20	682	898	1245	1564	1732	1798	1825	1798	1732	1564	1245	898	682	520	453	413	389	376	374
25	596	806	1169	1594	1907	2179	2313	2179	1907	1594	1169	806	596	456	400	367	355	349	350
30	518	708	1032	1500	1984	2519	2789	2519	1984	1500	1032	708	518	398	344	322	323	319	321
35	411	557	833	1297	1950	2892	3409	2892	1950	1297	833	557	411	335	296	282	279	278	282
40	314	407	581	985	1776	3253	4117	3253	1776	985	581	407	314	273	252	241	231	247	255
45	255	315	405	665	1389	3813	5441	3813	1389	665	405	315	255	225	215	193	192	214	226
50	212	231	251	450	967	4142	6148	4142	967	450	251	231	212	189	178	159	158	177	191
55	166	174	184	246	661	2845	4646	2845	661	246	184	174	166	157	138	131	127	143	156
60	137	138	140	160	418	1658	2749	1658	418	160	140	138	137	125	111	104	101	116	131
65	108	110	103	104	238	736	1002	736	238	104	103	110	108	103	86.8	78.1	74.5	87.1	99.2
70	80.8	77.6	73.9	65.8	130	272	391	272	130	65.8	73.9	77.6	80.8	77.0	65.8	55.4	49.9	52.9	58.5
75	58.7	58.8	81.4	36.8	58.5	90.4	121	90.4	58.5	36.8	81.4	58.8	58.7	53.3	46.9	35.2	30.0	30.6	33.2
80	29.2	28.2	30.1	17.2	20.1	26.0	37.4	26.0	20.1	17.2	30.1	28.2	29.2	30.8	24.5	16.9	15.0	14.7	15.6
85	12.6	9.28	18.7	4.30	3.36	4.63	7.50	4.63	3.36	4.30	18.7	9.28	12.6	7.58	6.01	4.61	4.42	5.09	5.92
90	0.50	0.12	0.13	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.50	0.88	0.87	1.07	2.07	3.86	4.91

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	723	726	724	726	724														
5	542	559	586	629	680														
10	464	477	501	549	630														
15	418	432	454	495	572														
20	376	389	413	453	520														
25	349	355	367	400	456														
30	319	323	322	344	398														
35	278	279	282	296	335														
40	247	231	241	252	273														
45	214	192	193	215	225														
50	177	158	159	178	189														
55	143	127	131	138	157														
60	116	101	104	111	125														
65	87.1	74.5	78.1	86.8	103														
70	52.9	49.9	55.4	65.8	77.0														
75	30.6	30.0	35.2	46.9	53.3														
80	14.7	15.0	16.9	24.5	30.8														
85	5.09	4.42	4.61	6.01	7.58														
90	3.86	2.07	1.07	0.87	0.88														

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: