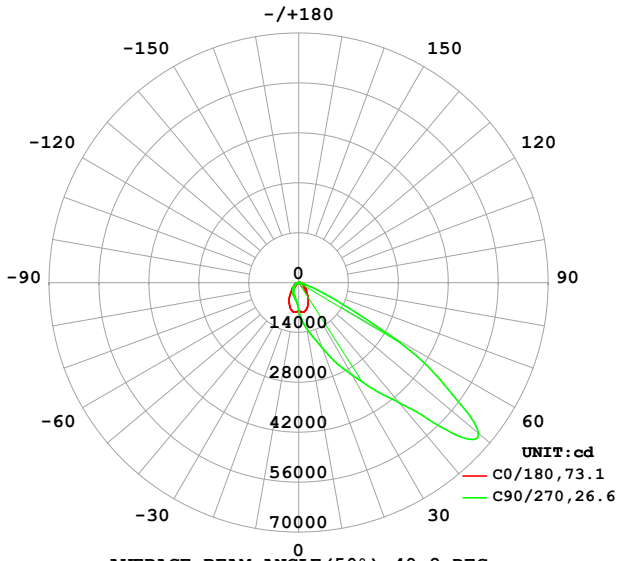
STREETLIGHT PHOTOMETRIC TEST REPORT

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:30784.4x1 lm		
NAME: FL72-500(250W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

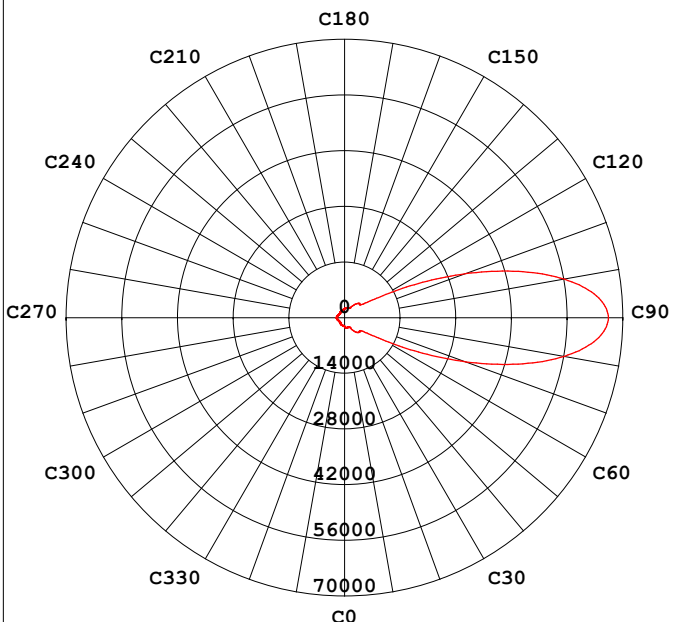
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 125.60 lm/W	
MODEL	/	Imax(cd)	66362	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	30784	η house_up(%)	0.0
NOMINAL FLUX(lm)	30784.4	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 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

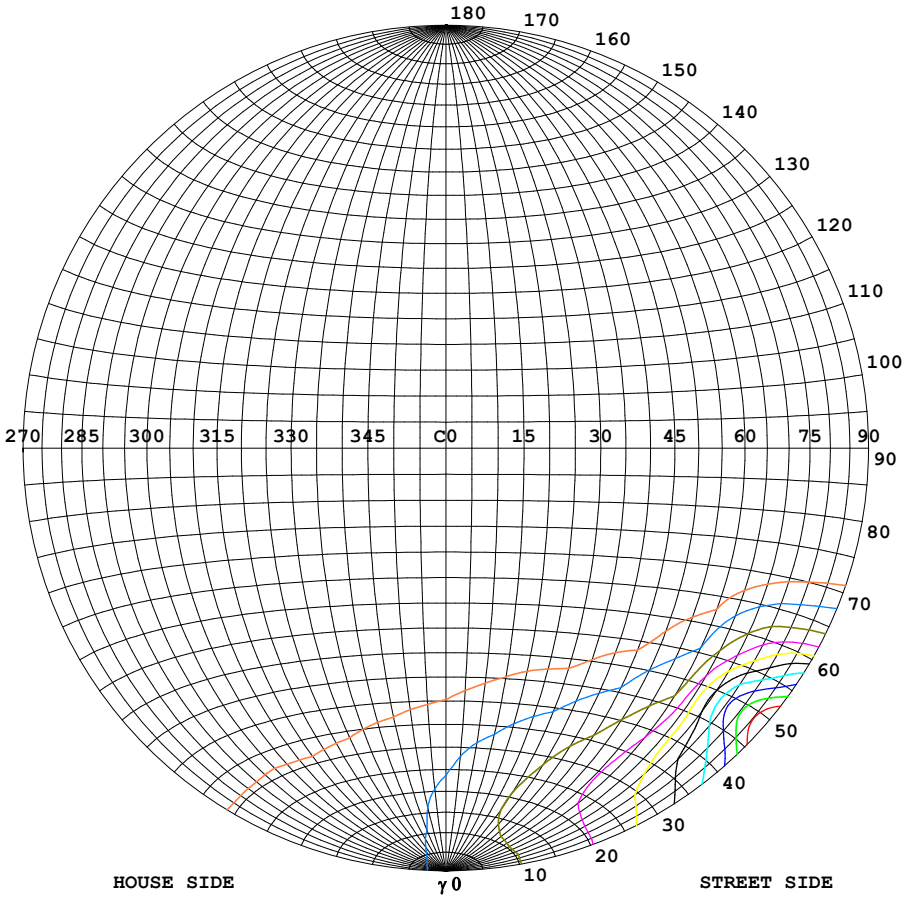


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

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:

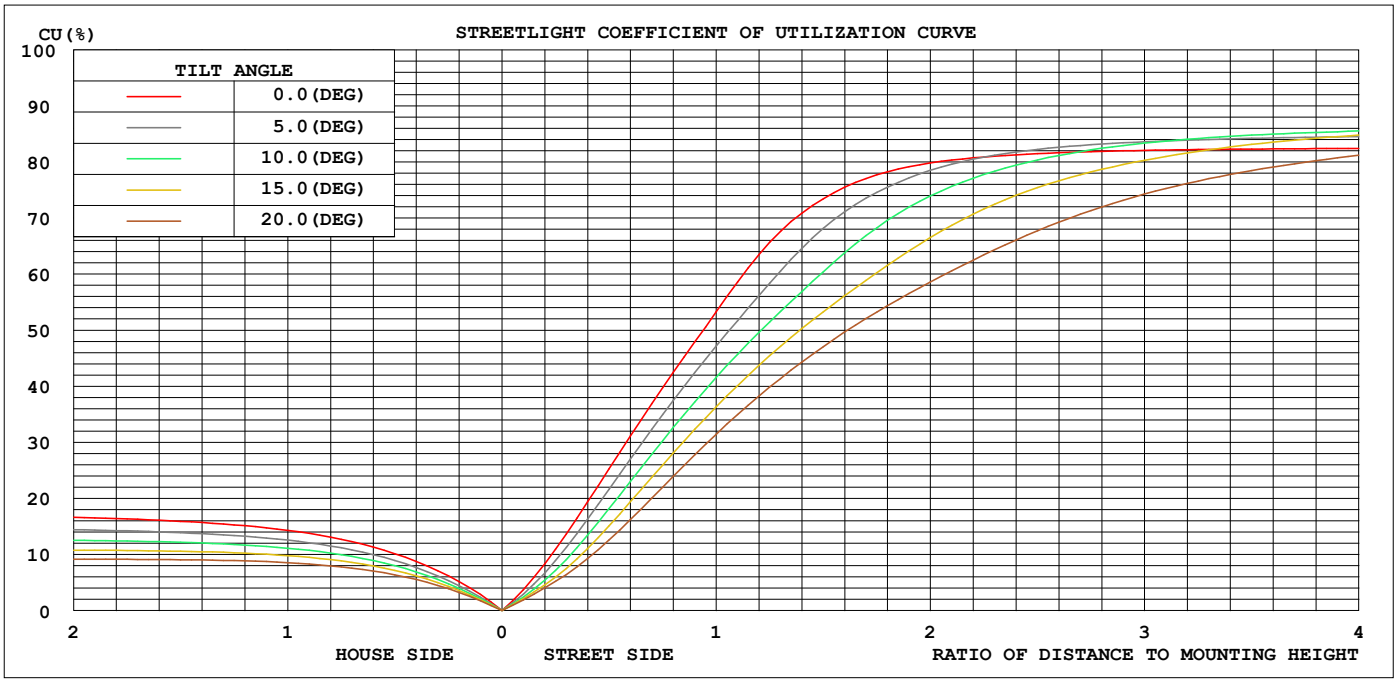
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

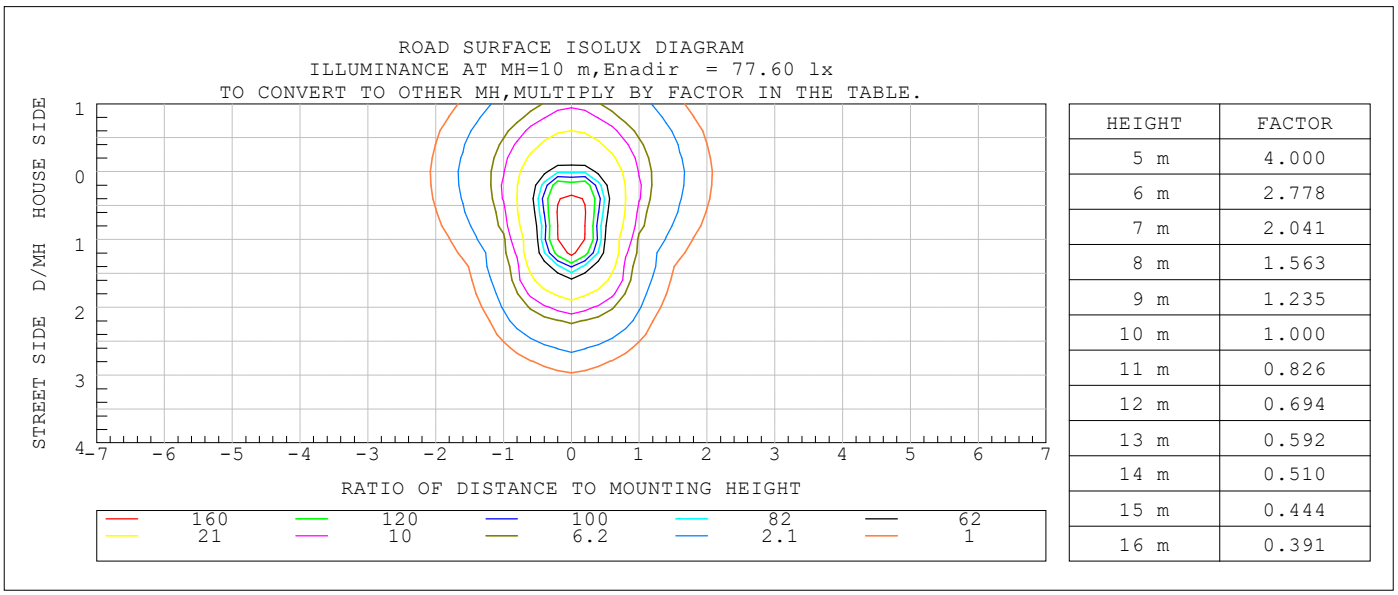
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	66362
90%	59726
80%	53090
70%	46453
60%	39817
50%	33181
40%	26545
30%	19909
20%	13272
10%	6636
5%	3318

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:

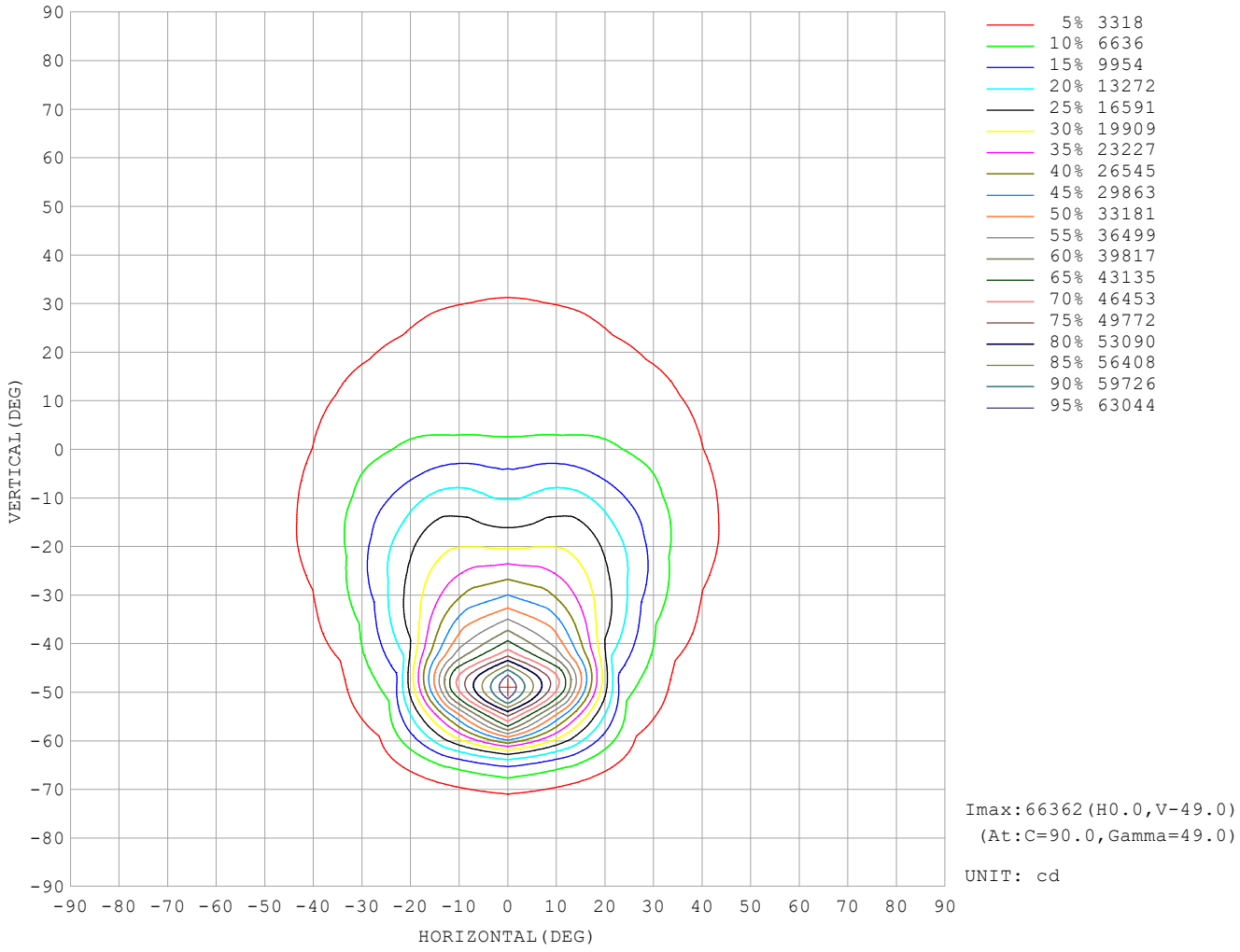
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	838.9	1255	1310	1255	838.9	536.1	494.7	536.1	0- 10	793.4	793.4	2.58,2.58
20	729.7	1673	1953	1673	729.7	441.7	400.1	441.7	10- 20	2690	3483	11.3,11.3
30	554.6	1605	2985	1605	554.6	344.9	343.8	344.9	20- 30	4731	8214	26.7,26.7
40	335.8	1054	4405	1054	335.8	258.1	273.3	258.1	30- 40	6271	14485	47.1,47.1
50	227.4	481.6	6579	481.6	227.4	169.6	203.9	169.6	40- 50	7371	21856	71,71
60	146.9	171.3	2941	171.3	146.9	111.6	140.6	111.6	50- 60	5925	27781	90.2,90.2
70	86.46	70.41	418.9	70.41	86.46	59.34	62.59	59.34	60- 70	2262	30043	97.6,97.6
80	31.30	18.40	39.98	18.40	31.30	18.10	16.66	18.10	70- 80	638.4	30681	99.7,99.7
90	0.5302	0.1347	0.1623	0.1347	0.5302	1.143	5.249	1.143	80- 90	103.2	30784	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:

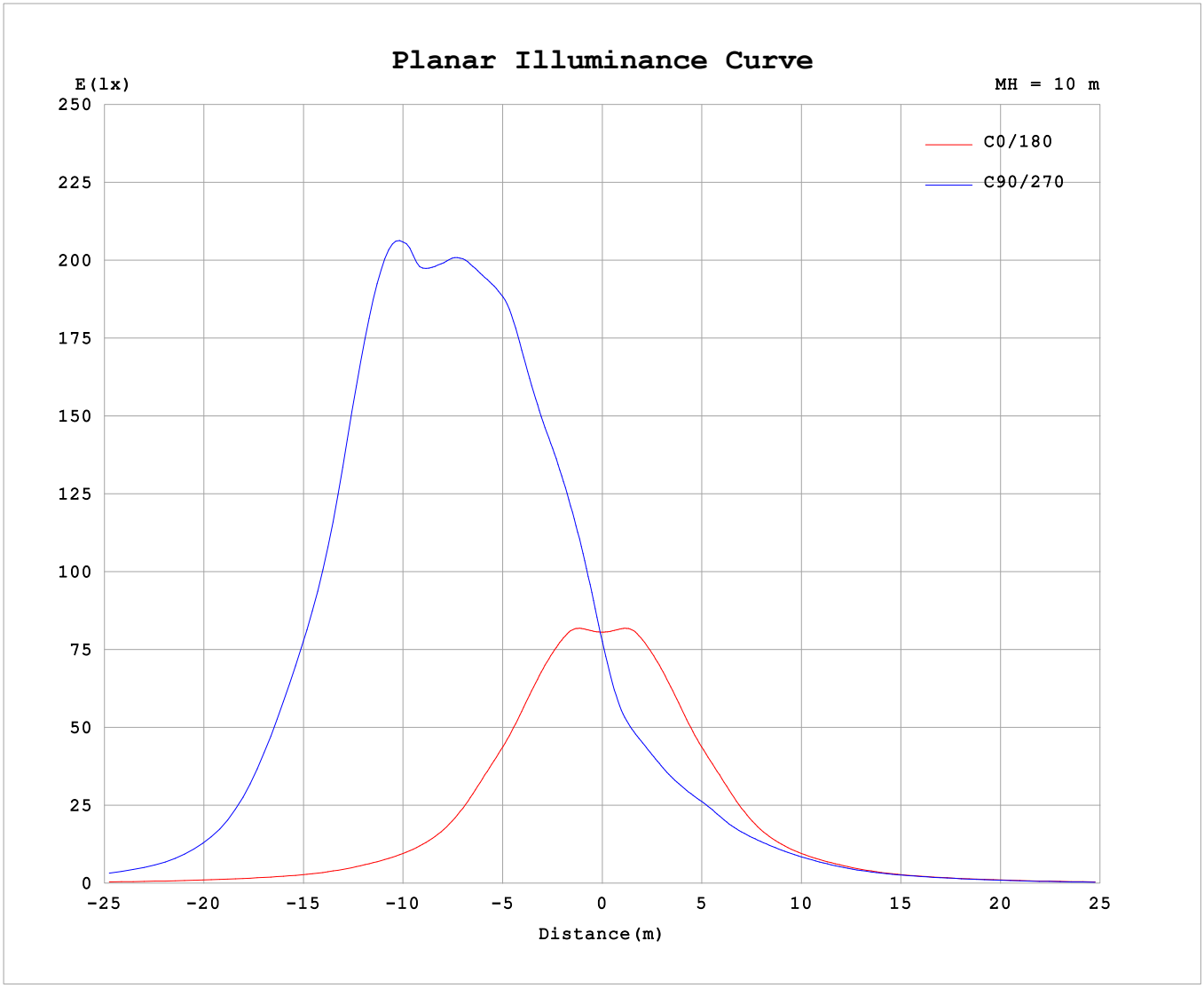
ISOCANDELA DIAGRAM



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



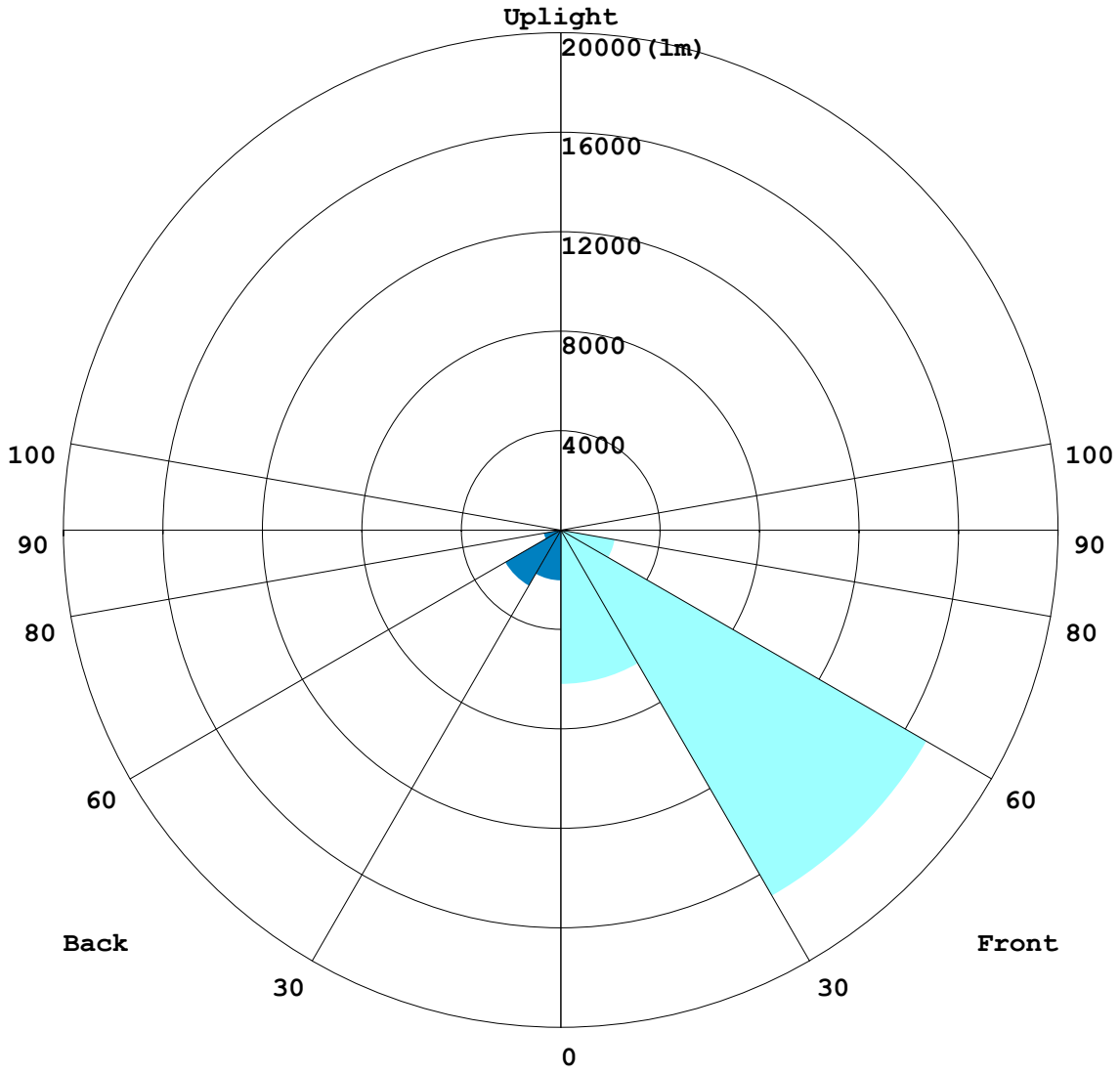
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:30784.4x1 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:30784.4x1 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)	6191	20.1
FM - Front-Medium(30-60)	16983	55.2
FH - Front-High(60-80)	2203.7	7.2
FVH - Front-Very High(80-90)	56.584	0.2
Total Forward Light	25434	82.6

BL - Back-Low(0-30)	2023.2	6.6
BM - Back-Medium(30-60)	2584.3	8.4
BH - Back-High(60-80)	696.42	2.3
BVH - Back-Very High(80-90)	46.634	0.2
Total Back Light	5350.5	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	5350.5	0	5350.5
Street Side	25434	0	25434

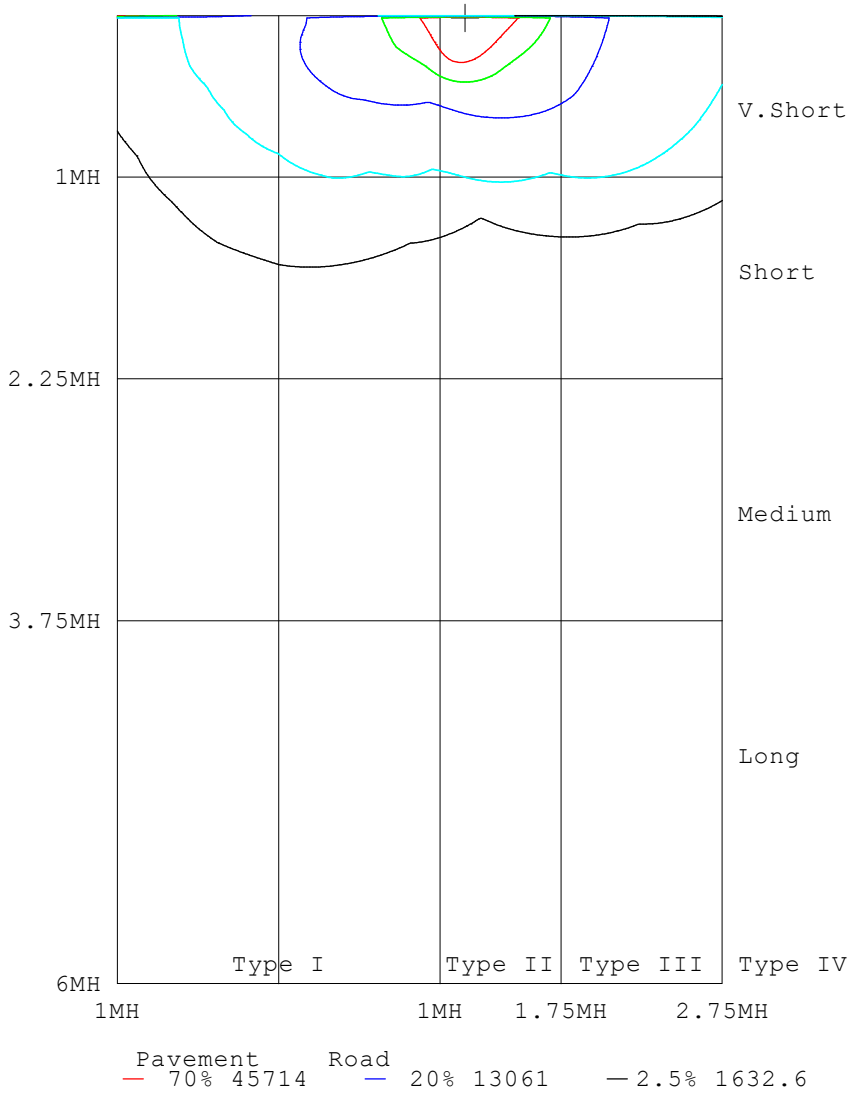
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:30784.4x1 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	807	775	777	775	777	774	778	774	777	775	777	775	807	775	777	775	777	774	778
5	826	864	934	983	1022	1033	1048	1033	1022	983	934	864	826	727	673	627	598	580	577
10	839	974	1144	1255	1303	1301	1310	1301	1303	1255	1144	974	839	674	587	536	510	497	495
15	800	1008	1295	1507	1597	1587	1586	1587	1597	1507	1295	1008	800	612	530	486	462	448	444
20	730	961	1332	1673	1853	1924	1953	1924	1853	1673	1332	961	730	556	485	442	416	403	400
25	638	863	1251	1706	2040	2332	2475	2332	2040	1706	1251	863	638	488	428	393	379	373	374
30	555	758	1105	1605	2123	2696	2985	2696	2123	1605	1105	758	555	426	368	345	345	341	344
35	440	596	891	1388	2087	3095	3648	3095	2087	1388	891	596	440	359	317	302	298	297	302
40	336	435	622	1054	1900	3481	4405	3481	1900	1054	622	435	336	292	269	258	247	265	273
45	273	337	433	712	1487	4081	5823	4081	1487	712	433	337	273	241	230	207	206	229	242
50	227	247	269	482	1034	4432	6579	4432	1034	482	269	247	227	202	191	170	169	189	204
55	177	186	197	264	707	3044	4972	3044	707	264	197	186	177	168	148	140	136	153	167
60	147	148	149	171	447	1775	2941	1775	447	171	149	148	147	134	118	112	108	125	141
65	116	118	110	111	254	788	1072	788	254	111	110	118	116	110	92.9	83.5	79.8	93.2	106
70	86.5	83.1	79.1	70.4	139	291	419	291	139	70.4	79.1	83.1	86.5	82.4	70.4	59.3	53.4	56.6	62.6
75	62.8	62.9	87.1	39.4	62.6	96.7	130	96.7	62.6	39.4	87.1	62.9	62.8	57.0	50.2	37.7	32.1	32.7	35.5
80	31.3	30.1	32.2	18.4	21.5	27.9	40.0	27.9	21.5	18.4	32.2	30.1	31.3	33.0	26.3	18.1	16.1	15.7	16.7
85	13.5	9.93	20.0	4.60	3.59	4.95	8.03	4.95	3.59	4.60	20.0	9.93	13.5	8.11	6.44	4.93	4.73	5.45	6.34
90	0.53	0.13	0.14	0.13	0.14	0.15	0.16	0.15	0.14	0.13	0.14	0.13	0.53	0.94	0.93	1.14	2.22	4.13	5.25

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	774	777	775	777	775														
5	580	598	627	673	727														
10	497	510	536	587	674														
15	448	462	486	530	612														
20	403	416	442	485	556														
25	373	379	393	428	488														
30	341	345	345	368	426														
35	297	298	302	317	359														
40	265	247	258	269	292														
45	229	206	207	230	241														
50	189	169	170	191	202														
55	153	136	140	148	168														
60	125	108	112	118	134														
65	93.2	79.8	83.5	92.9	110														
70	56.6	53.4	59.3	70.4	82.4														
75	32.7	32.1	37.7	50.2	57.0														
80	15.7	16.1	18.1	26.3	33.0														
85	5.45	4.73	4.93	6.44	8.11														
90	4.13	2.22	1.14	0.93	0.94														

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: