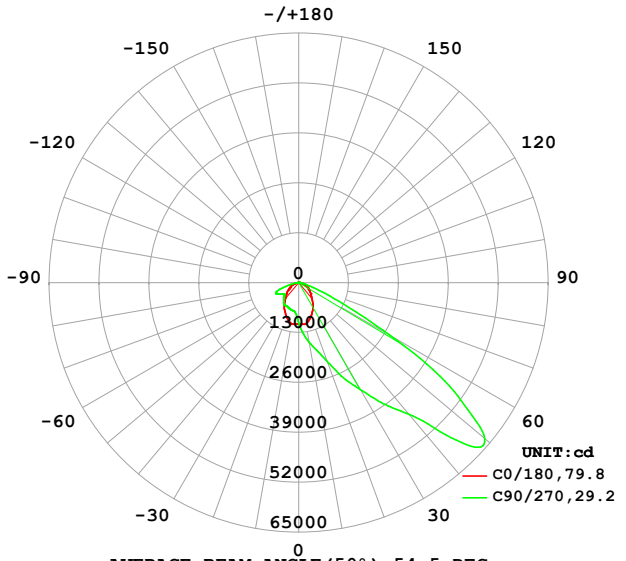
STREETLIGHT PHOTOMETRIC TEST REPORT

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:39931.3x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

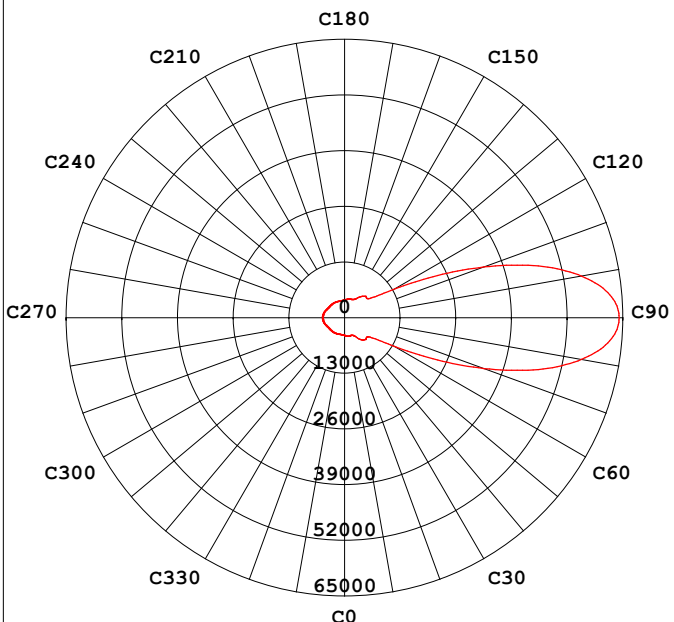
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 162.92 lm/W	
MODEL	/	Imax(cd)	64105	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	39931	η house_up(%)	0.0
NOMINAL FLUX(lm)	39931.3	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

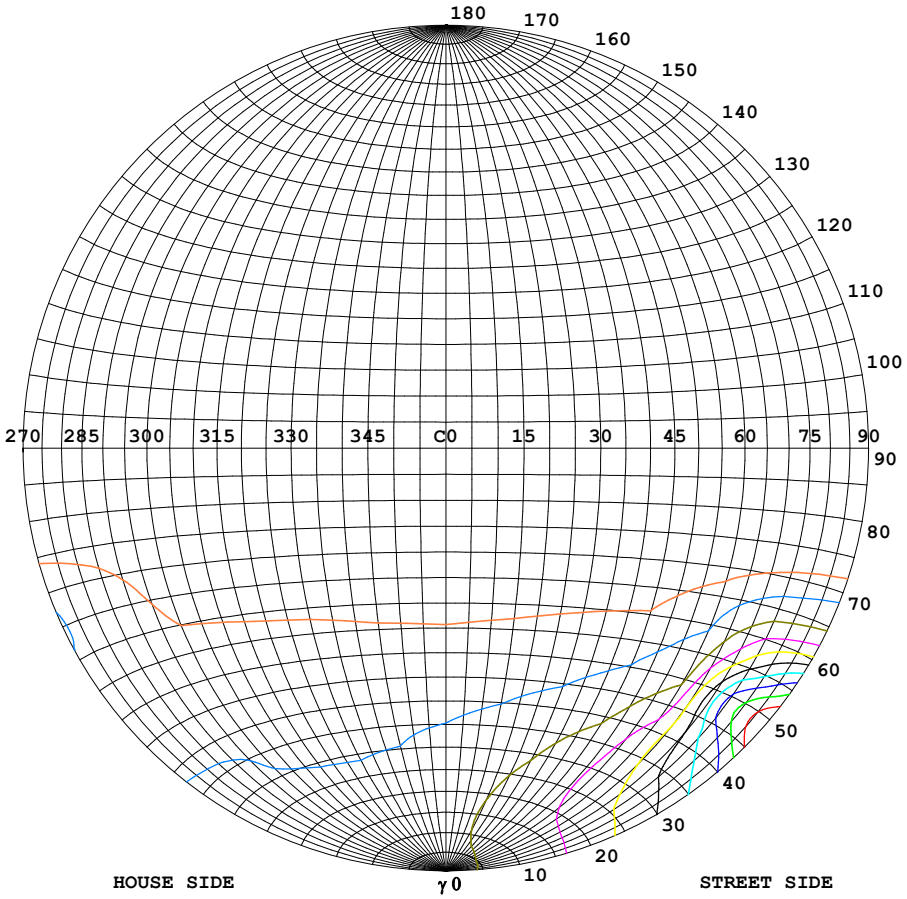


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

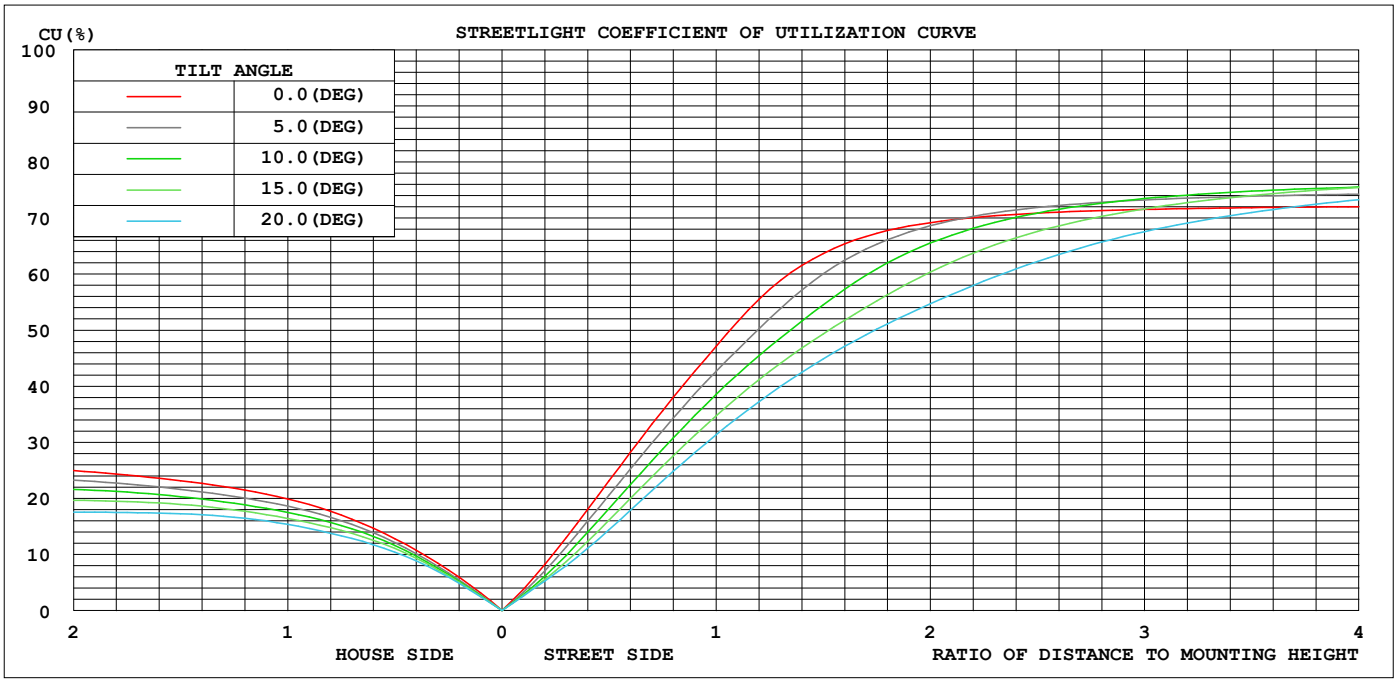
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

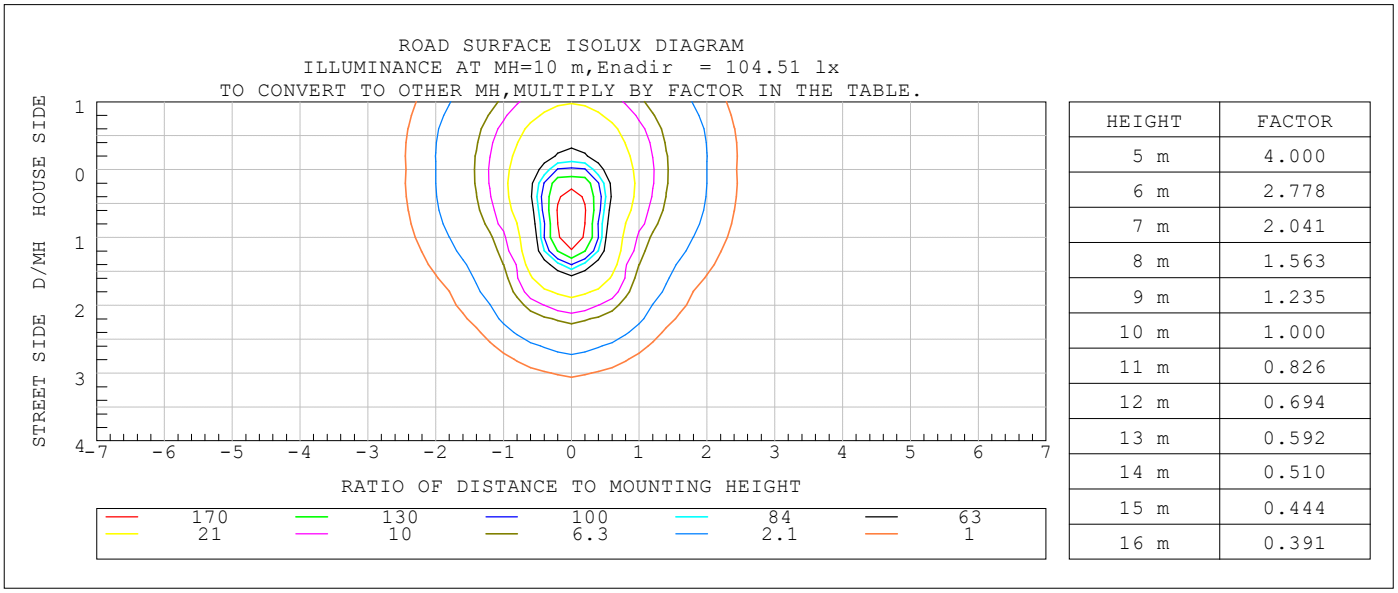
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	64105
90%	57695
80%	51284
70%	44874
60%	38463
50%	32053
40%	25642
30%	19232
20%	12821
10%	6411
5%	3205

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:

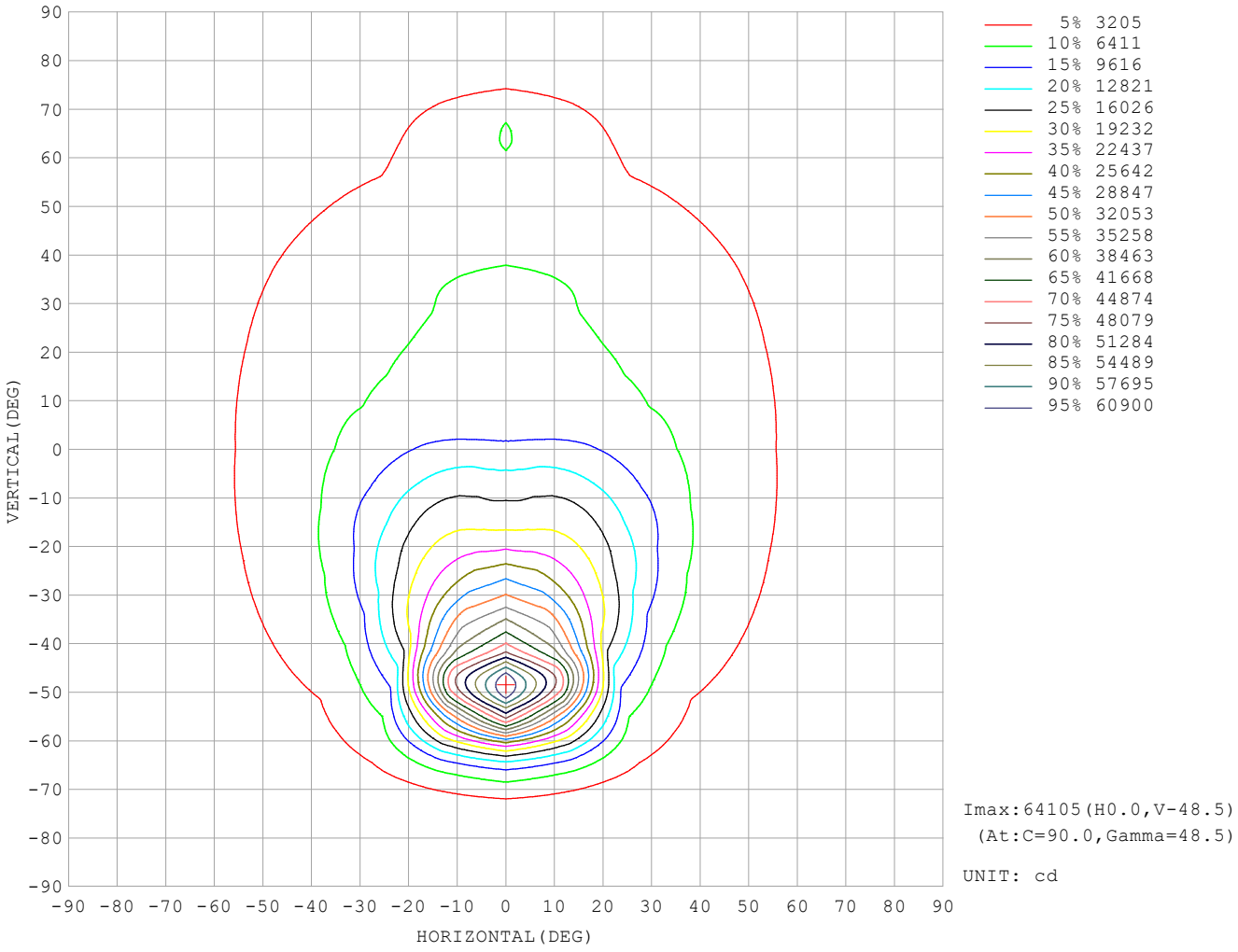
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1091	1474	1574	1474	1091	778.2	755.6	778.2	0- 10	1037	1037	2.6,2.6
20	942.0	1760	2188	1760	942.0	712.5	725.3	712.5	10- 20	3328	4365	10.9,10.9
30	760.7	1672	3215	1672	760.7	632.1	693.8	632.1	20- 30	5708	10073	25.2,25.2
40	539.5	1189	4488	1189	539.5	541.5	613.9	541.5	30- 40	7688	17761	44.5,44.5
50	399.9	657.1	6330	657.1	399.9	417.5	505.7	417.5	40- 50	8993	26754	67,67
60	272.5	332.5	2760	332.5	272.5	305.4	615.5	305.4	50- 60	7538	34291	85.9,85.9
70	155.4	184.6	485.8	184.6	155.4	170.4	547.6	170.4	60- 70	3856	38147	95.5,95.5
80	49.75	56.65	75.52	56.65	49.75	48.98	92.74	48.98	70- 80	1503	39650	99.3,99.3
90	0.9795	0.2531	0.3648	0.2531	0.9795	2.186	5.904	2.186	80- 90	281.2	39931	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:2026-01-15

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:

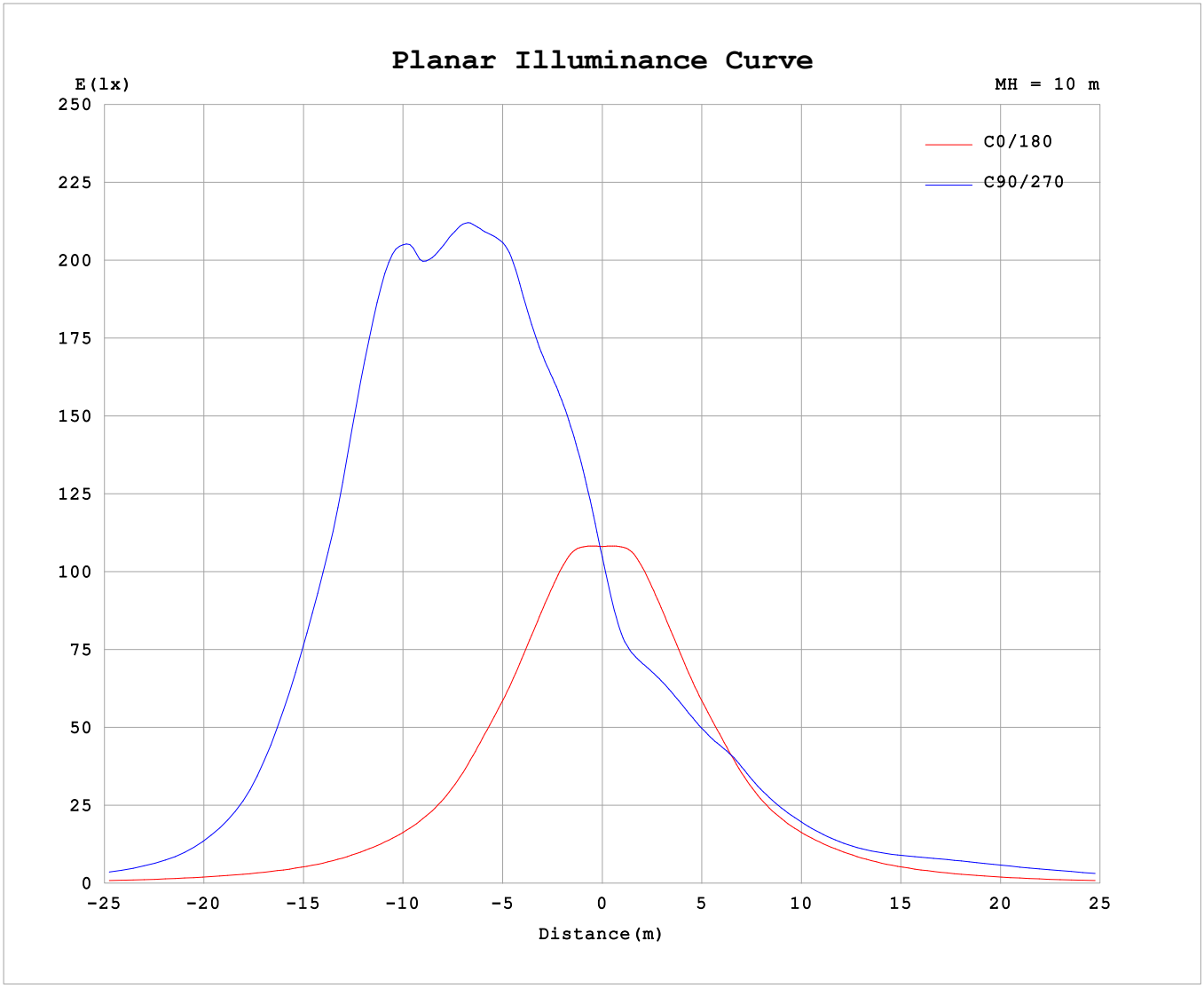
ISOCANDELA DIAGRAM



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



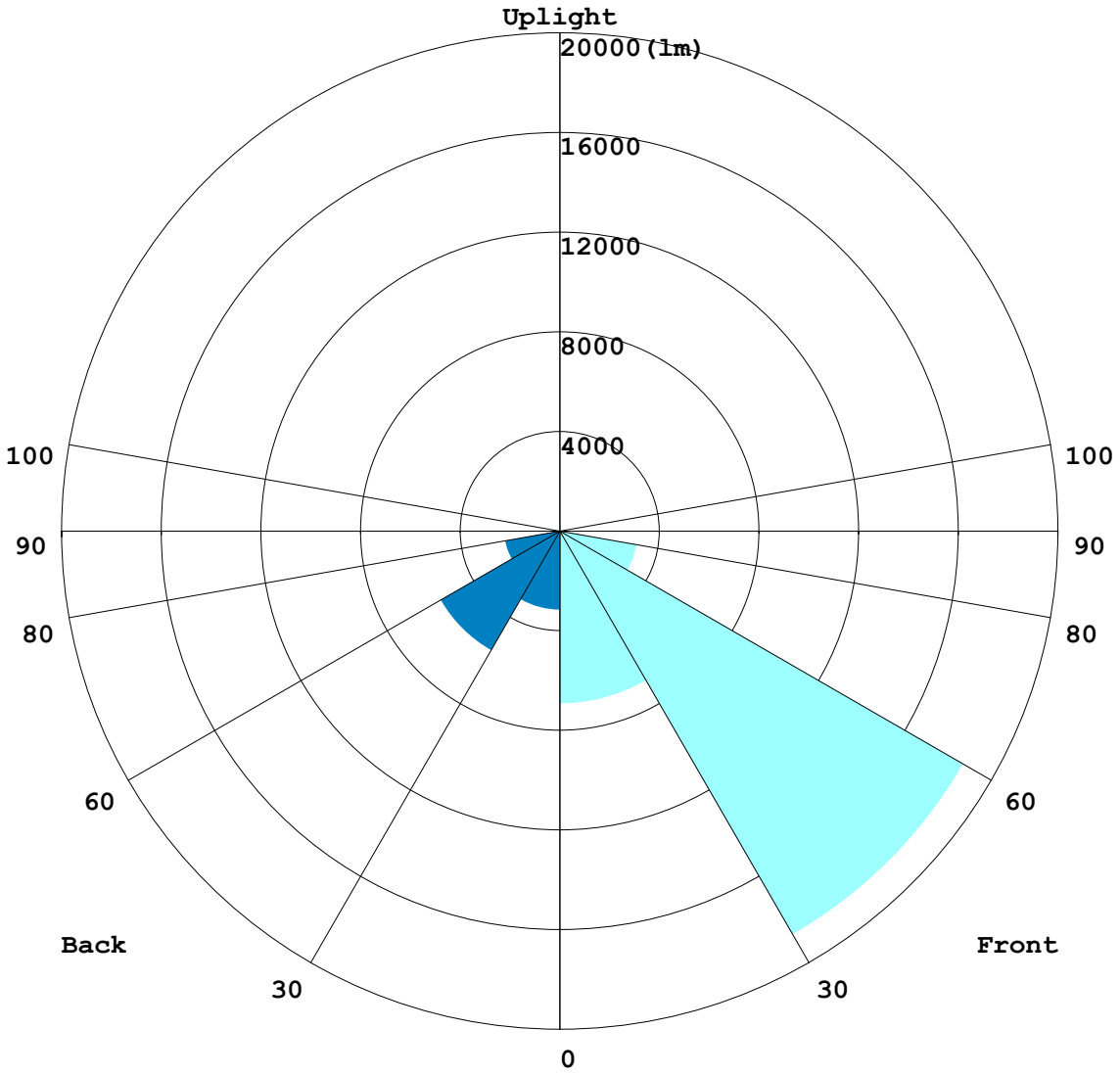
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39931.3x1 lm		
NAME: FL72-500(250W)-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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39931.3x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6920.7	17.3
FM - Front-Medium(30-60)	18693	46.8
FH - Front-High(60-80)	3134.7	7.9
FVH - Front-Very High(80-90)	175.76	0.4
Total Forward Light	28924	72.4
BL - Back-Low(0-30)	3152.1	7.9
BM - Back-Medium(30-60)	5525.9	13.8
BH - Back-High(60-80)	2224.1	5.6
BVH - Back-Very High(80-90)	105.4	0.3
Total Back Light	11007	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	B4-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11007	0	11007
Street Side	28924	0	28924

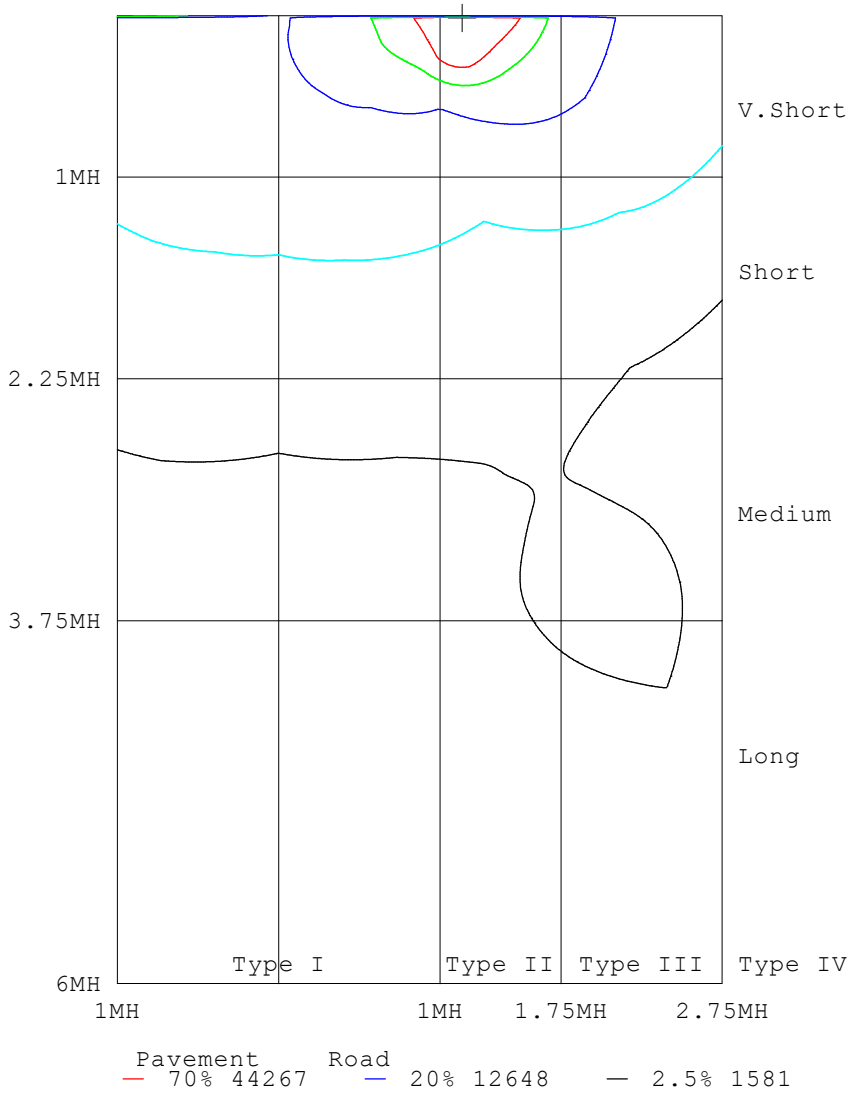
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39931.3x1 lm		
NAME: FL72-500(250W)-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: 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	1082	1046	1048	1041	1048	1041	1048	1041	1048	1041	1048	1046	1082	1046	1048	1041	1048	1041	1048
5	1094	1130	1200	1247	1291	1305	1319	1305	1291	1247	1200	1130	1094	990	932	878	851	827	827
10	1091	1213	1368	1474	1540	1556	1574	1556	1540	1474	1368	1213	1091	923	832	778	761	755	756
15	1028	1220	1468	1653	1768	1808	1829	1808	1768	1653	1468	1220	1028	841	767	741	738	739	742
20	942	1153	1473	1760	1958	2109	2188	2109	1958	1760	1473	1153	942	778	724	712	718	722	725
25	848	1050	1384	1766	2117	2510	2719	2510	2117	1766	1384	1050	848	711	677	678	687	696	702
30	761	941	1238	1672	2227	2874	3215	2874	2227	1672	1238	941	761	649	627	632	651	675	694
35	647	788	1045	1483	2231	3313	3850	3313	2231	1483	1045	788	647	580	577	584	626	665	682
40	540	632	799	1189	2068	3681	4488	3681	2068	1189	799	632	540	508	519	541	572	590	614
45	464	527	621	874	1653	4301	5797	4301	1653	874	621	527	464	447	462	491	492	535	558
50	400	421	459	657	1185	4560	6330	4560	1185	657	459	421	400	393	410	418	439	482	506
55	328	346	376	436	852	3151	4939	3151	852	436	376	346	328	337	354	360	381	437	509
60	273	286	309	333	585	1938	2760	1938	585	333	309	286	273	279	291	305	319	437	615
65	214	229	239	251	397	911	1143	911	397	251	239	229	214	234	232	241	253	433	660
70	155	165	180	185	239	373	486	373	239	185	180	165	155	167	171	170	184	361	548
75	105	127	181	114	125	151	193	151	125	114	181	127	105	104	106	105	112	206	276
80	49.7	72.9	111	56.6	59.0	54.4	75.5	54.4	59.0	56.6	111	72.9	49.7	49.6	49.8	49.0	53.1	75.6	92.7
85	16.6	45.3	83.2	18.6	14.6	14.2	17.5	14.2	14.6	18.6	83.2	45.3	16.6	12.5	12.8	11.9	12.7	15.8	17.8
90	0.98	0.23	0.24	0.25	0.30	0.35	0.36	0.35	0.30	0.25	0.24	0.23	0.98	1.82	1.93	2.19	3.16	4.87	5.90

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: X10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	1041	1048	1041	1048	1046														
5	827	851	878	932	990														
10	755	761	778	832	923														
15	739	738	741	767	841														
20	722	718	712	724	778														
25	696	687	678	677	711														
30	675	651	632	627	649														
35	665	626	584	577	580														
40	590	572	541	519	508														
45	535	492	491	462	447														
50	482	439	418	410	393														
55	437	381	360	354	337														
60	437	319	305	291	279														
65	433	253	241	232	234														
70	361	184	170	171	167														
75	206	112	105	106	104														
80	75.6	53.1	49.0	49.8	49.6														
85	15.8	12.7	11.9	12.8	12.5														
90	4.87	3.16	2.19	1.93	1.82														

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: