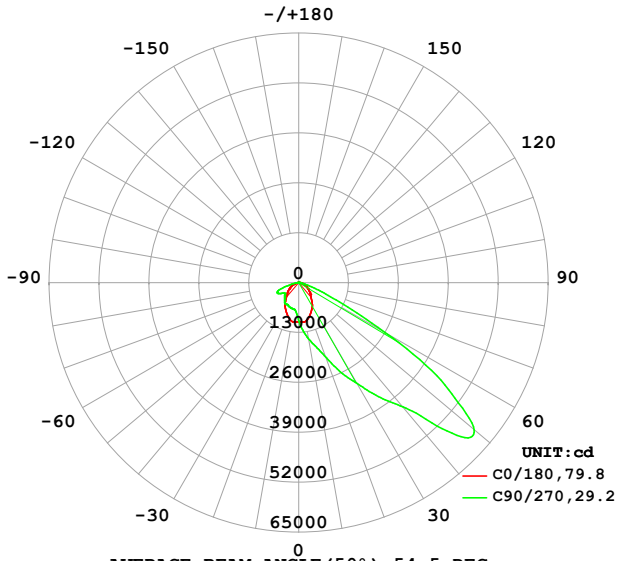
STREETLIGHT PHOTOMETRIC TEST REPORT

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:37630.1x1 lm		
NAME: FL72-500(250W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

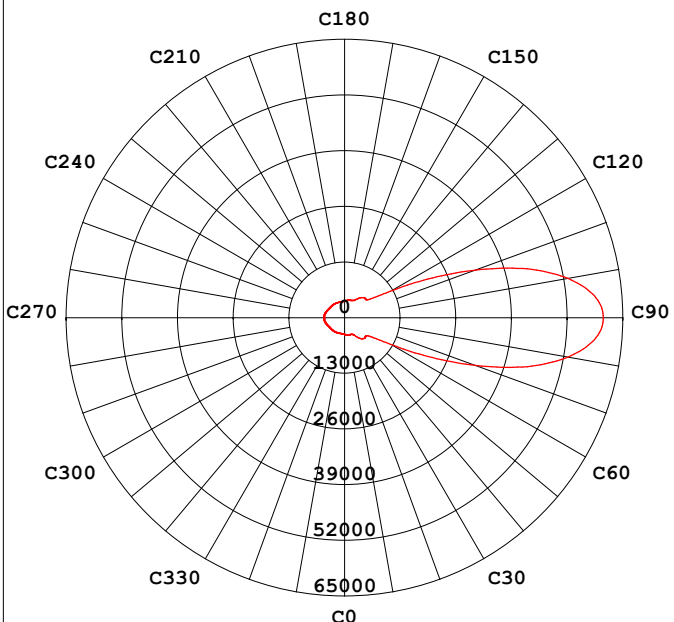
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 153.53 lm/W	
MODEL	/	Imax(cd)	60411	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	37630	η house_up(%)	0.0
NOMINAL FLUX(lm)	37630.1	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

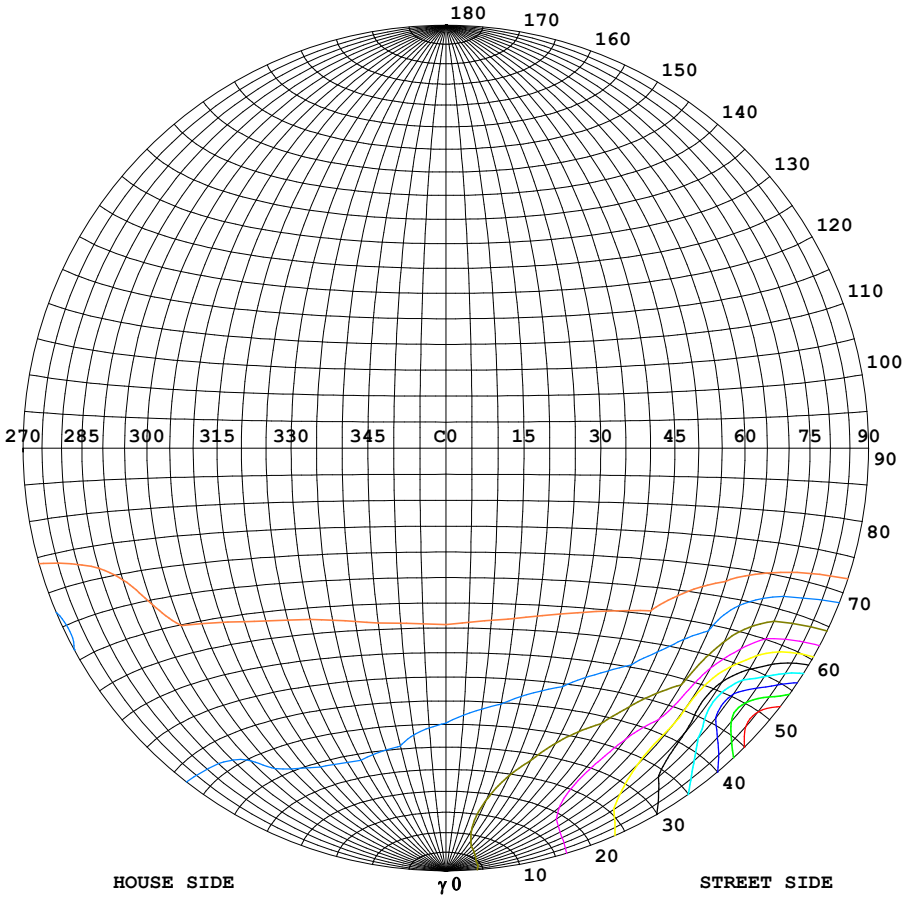


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

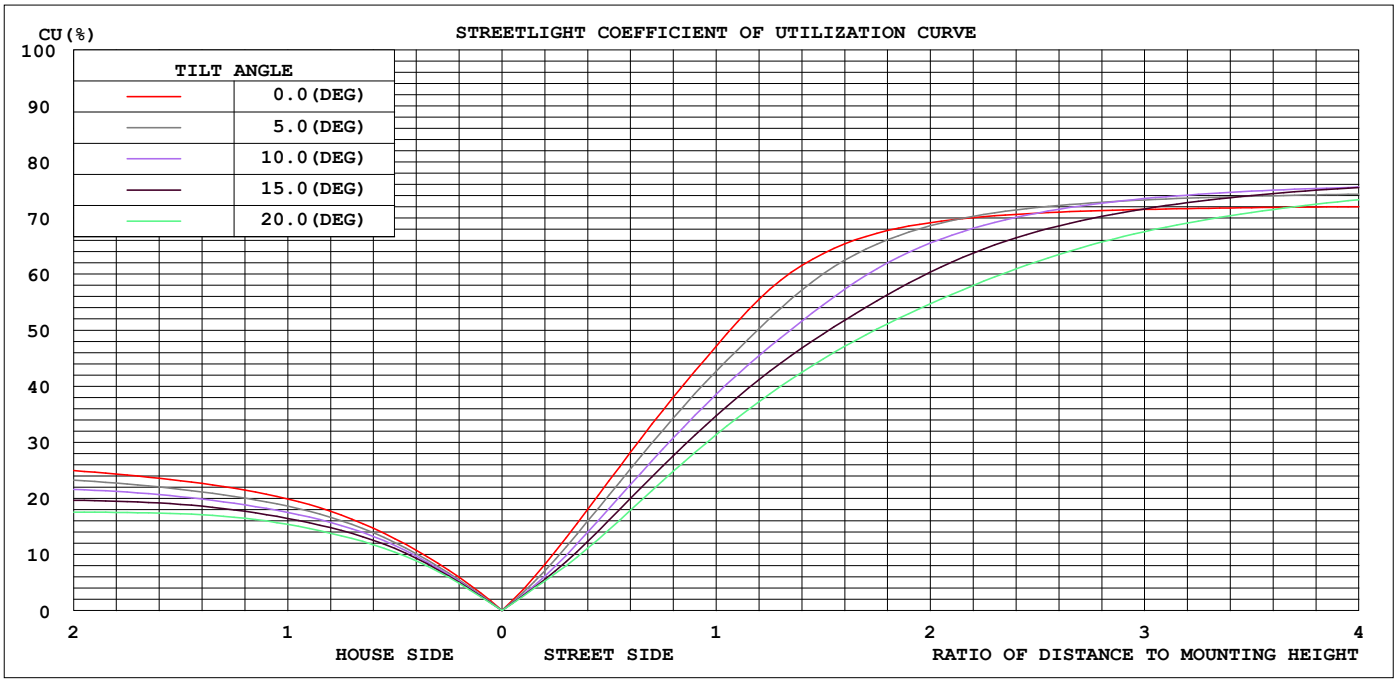
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

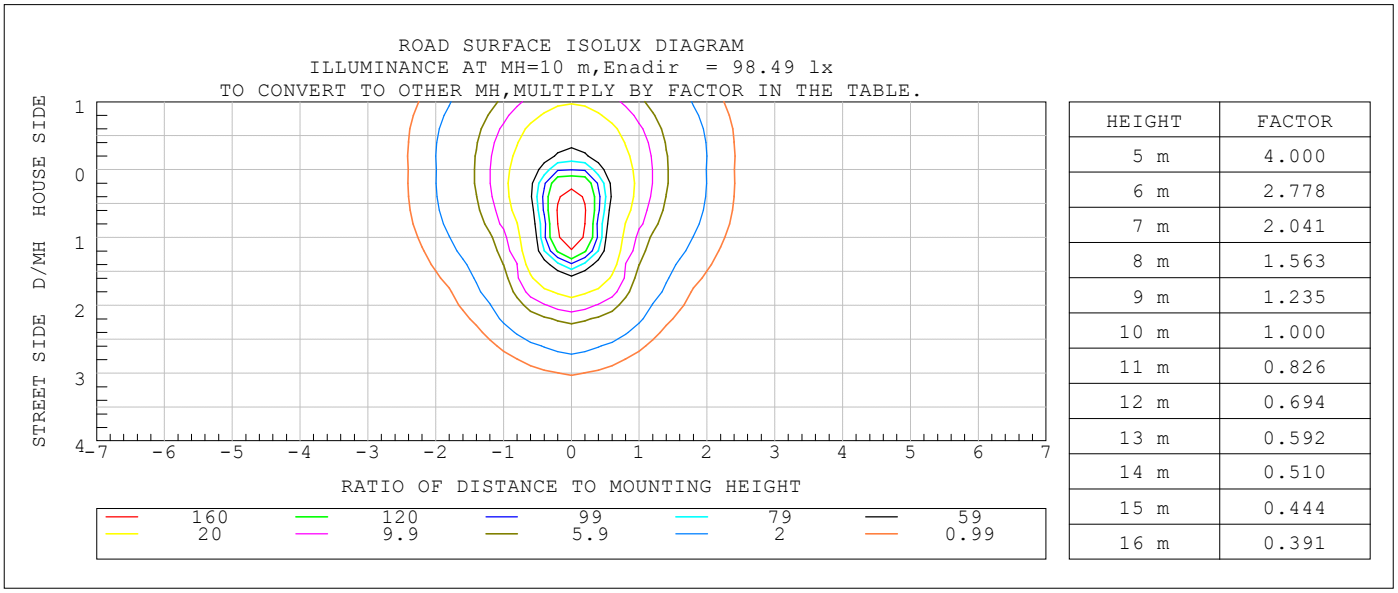
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	60411
90%	54370
80%	48329
70%	42288
60%	36246
50%	30205
40%	24164
30%	18123
20%	12082
10%	6041
5%	3021

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:

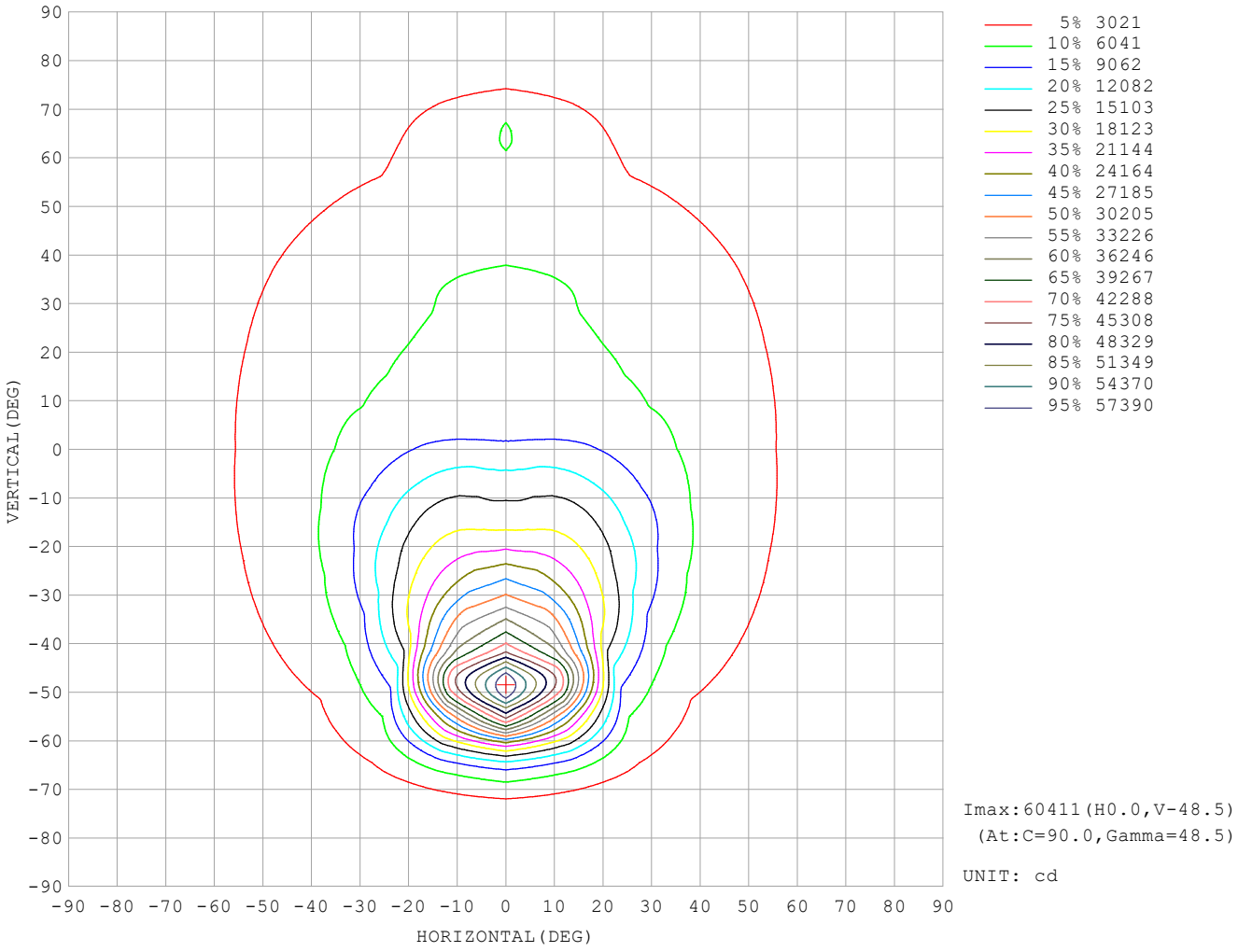
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1028	1389	1483	1389	1028	733.4	712.0	733.4	0- 10	977.6	977.6	2.6,2.6
20	887.7	1659	2062	1659	887.7	671.4	683.5	671.4	10- 20	3136	4114	10.9,10.9
30	716.8	1576	3030	1576	716.8	595.7	653.8	595.7	20- 30	5379	9492	25.2,25.2
40	508.5	1121	4229	1121	508.5	510.2	578.5	510.2	30- 40	7245	16737	44.5,44.5
50	376.9	619.2	5965	619.2	376.9	393.5	476.6	393.5	40- 50	8474	25212	67,67
60	256.8	313.3	2601	313.3	256.8	287.8	580.0	287.8	50- 60	7103	32315	85.9,85.9
70	146.4	174.0	457.8	174.0	146.4	160.6	516.1	160.6	60- 70	3634	35949	95.5,95.5
80	46.88	53.38	71.17	53.38	46.88	46.15	87.40	46.15	70- 80	1416	37365	99.3,99.3
90	0.9231	0.2385	0.3438	0.2385	0.9231	2.060	5.563	2.060	80- 90	265.0	37630	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:

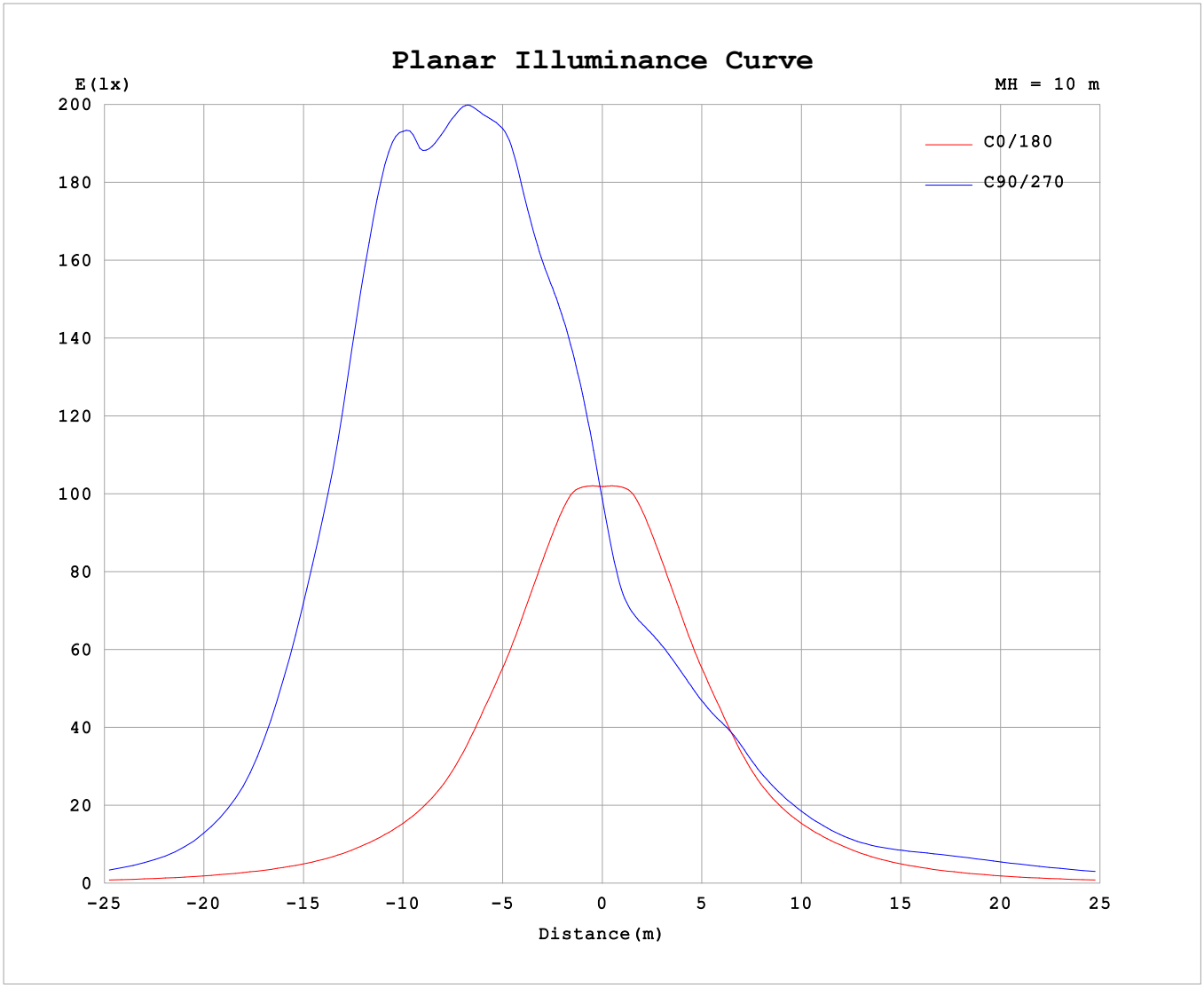
ISOCANDELA DIAGRAM



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



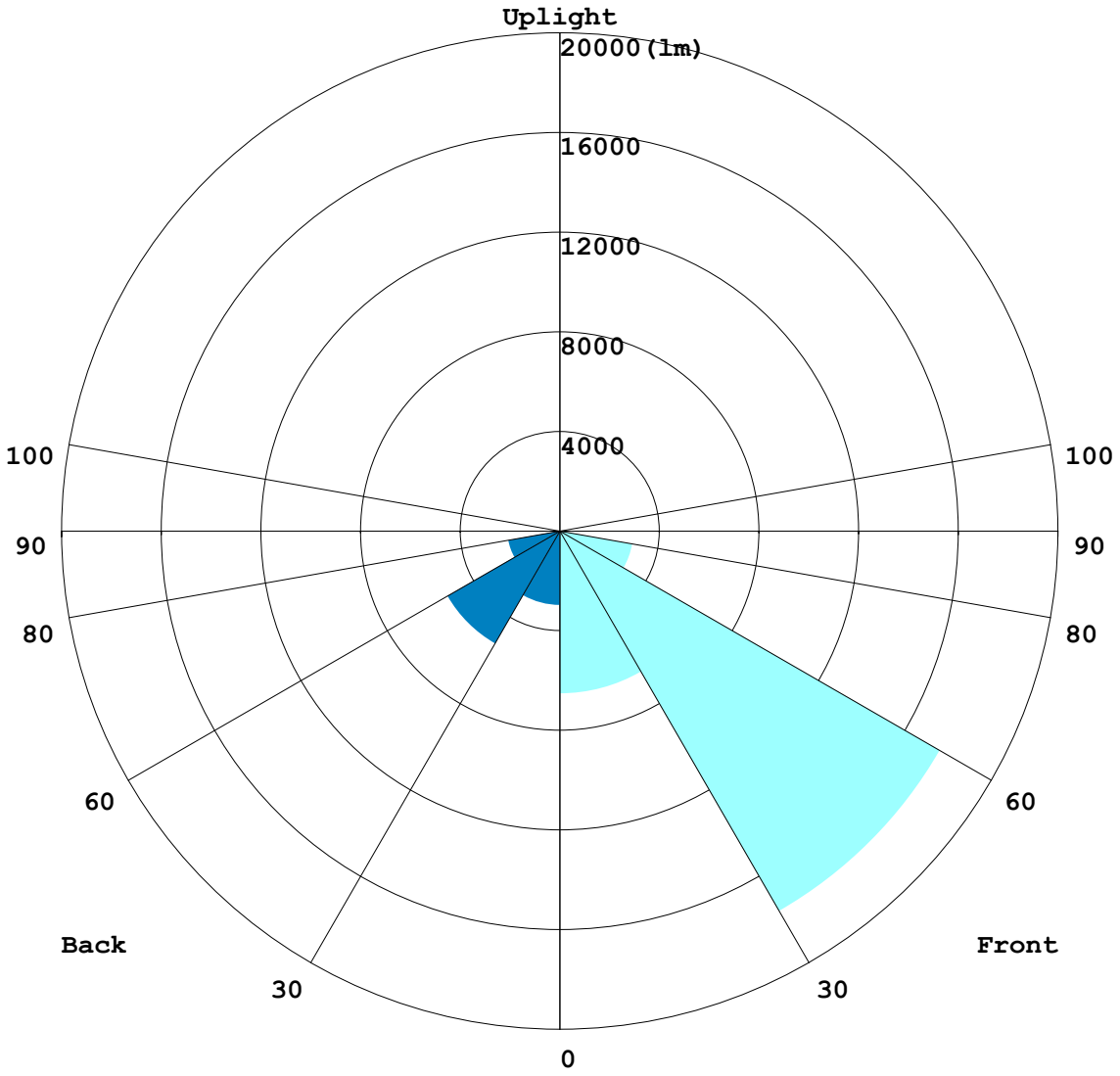
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:37630.1x1 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:37630.1x1 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)	6521.9	17.3
FM - Front-Medium(30-60)	17615	46.8
FH - Front-High(60-80)	2954.1	7.9
FVH - Front-Very High(80-90)	165.63	0.4
Total Forward Light	27257	72.4
BL - Back-Low(0-30)	2970.4	7.9
BM - Back-Medium(30-60)	5207.4	13.8
BH - Back-High(60-80)	2095.9	5.6
BVH - Back-Very High(80-90)	99.329	0.3
Total Back Light	10373	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	10373	0	10373
Street Side	27257	0	27257

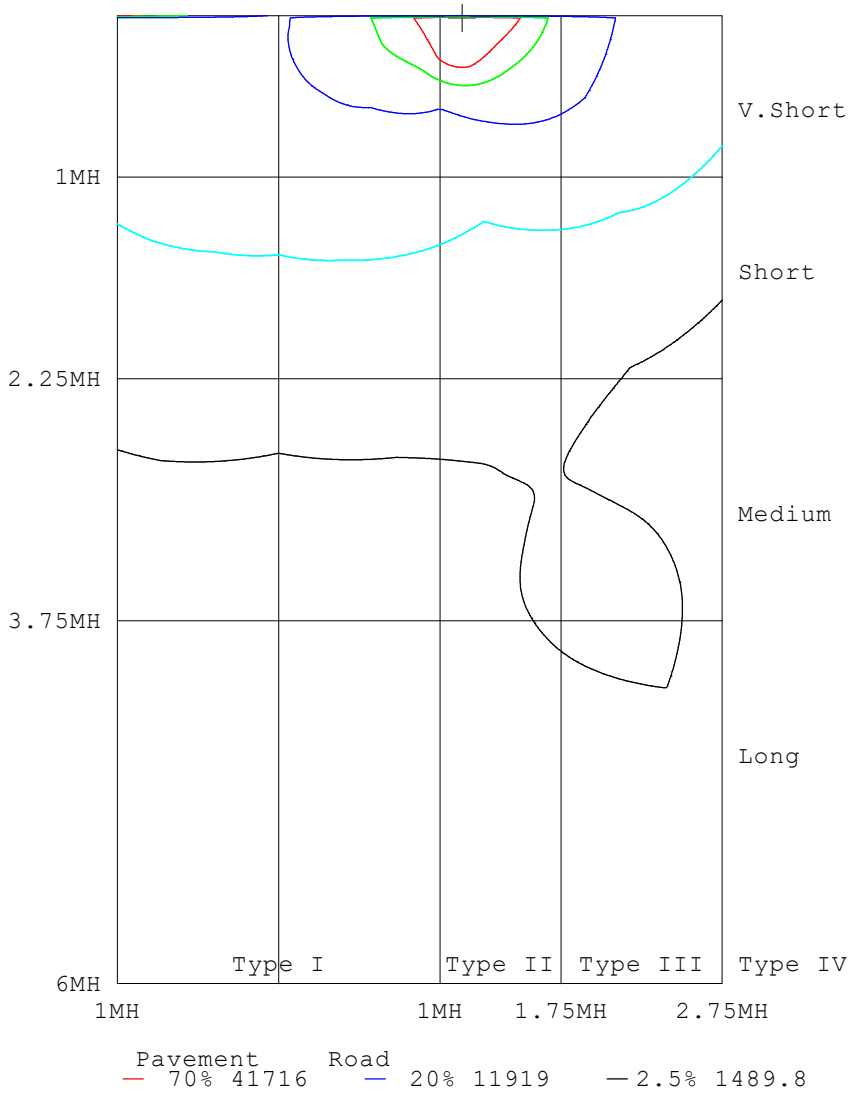
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:37630.1x1 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	1019	986	987	981	988	981	988	981	988	981	987	986	1019	986	987	981	988	981	988
5	1031	1065	1131	1176	1217	1230	1243	1230	1217	1176	1131	1065	1031	933	878	828	802	779	779
10	1028	1143	1289	1389	1452	1466	1483	1466	1452	1389	1289	1143	1028	870	784	733	717	711	712
15	969	1150	1383	1558	1666	1704	1724	1704	1666	1558	1383	1150	969	793	723	698	695	697	699
20	888	1087	1388	1659	1845	1987	2062	1987	1845	1659	1388	1087	888	733	683	671	677	680	684
25	799	989	1304	1664	1995	2366	2562	2366	1995	1664	1304	989	799	670	638	639	648	656	662
30	717	887	1167	1576	2098	2709	3030	2709	2098	1576	1167	887	717	611	591	596	613	636	654
35	610	743	985	1398	2102	3122	3628	3122	2102	1398	985	743	610	547	544	551	589	627	643
40	508	595	753	1121	1949	3469	4229	3469	1949	1121	753	595	508	479	489	510	539	556	579
45	437	497	586	824	1558	4053	5463	4053	1558	824	586	497	437	421	436	462	464	505	526
50	377	397	433	619	1116	4297	5965	4297	1116	619	433	397	377	370	386	393	413	454	477
55	310	326	354	411	802	2969	4655	2969	802	411	354	326	310	317	334	339	359	411	480
60	257	270	291	313	551	1826	2601	1826	551	313	291	270	257	263	274	288	300	412	580
65	202	215	226	237	374	858	1077	858	374	237	226	215	202	221	219	227	238	408	622
70	146	156	170	174	225	352	458	352	225	174	170	156	146	157	161	161	173	340	516
75	98.5	120	170	108	118	142	182	142	118	108	170	120	98.5	97.9	99.5	99.2	106	194	260
80	46.9	68.7	105	53.4	55.6	51.3	71.2	51.3	55.6	53.4	105	68.7	46.9	46.7	46.9	46.2	50.1	71.3	87.4
85	15.7	42.7	78.4	17.5	13.7	13.4	16.5	13.4	13.7	17.5	78.4	42.7	15.7	11.7	12.1	11.2	12.0	14.9	16.8
90	0.92	0.22	0.23	0.24	0.28	0.33	0.34	0.33	0.28	0.24	0.23	0.22	0.92	1.71	1.81	2.06	2.98	4.59	5.56

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	981	988	981	987	986														
5	779	802	828	878	933														
10	711	717	733	784	870														
15	697	695	698	723	793														
20	680	677	671	683	733														
25	656	648	639	638	670														
30	636	613	596	591	611														
35	627	589	551	544	547														
40	556	539	510	489	479														
45	505	464	462	436	421														
50	454	413	393	386	370														
55	411	359	339	334	317														
60	412	300	288	274	263														
65	408	238	227	219	221														
70	340	173	161	161	157														
75	194	106	99.2	99.5	97.9														
80	71.3	50.1	46.2	46.9	46.7														
85	14.9	12.0	11.2	12.1	11.7														
90	4.59	2.98	2.06	1.81	1.71														

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: