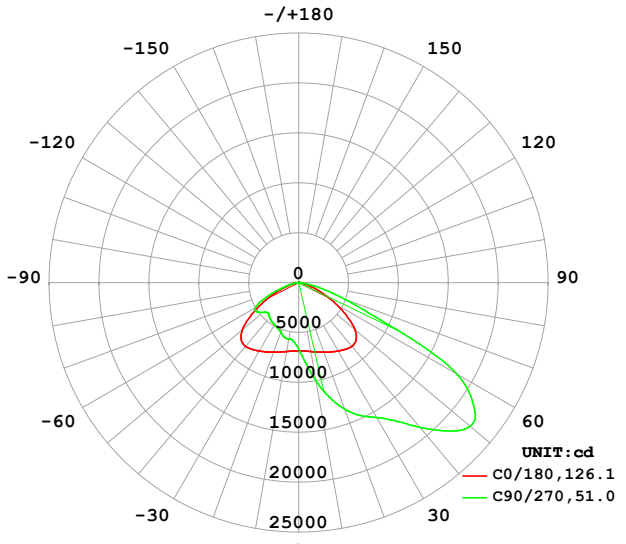
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39027.6x1 lm		
NAME: FL72-500(250W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

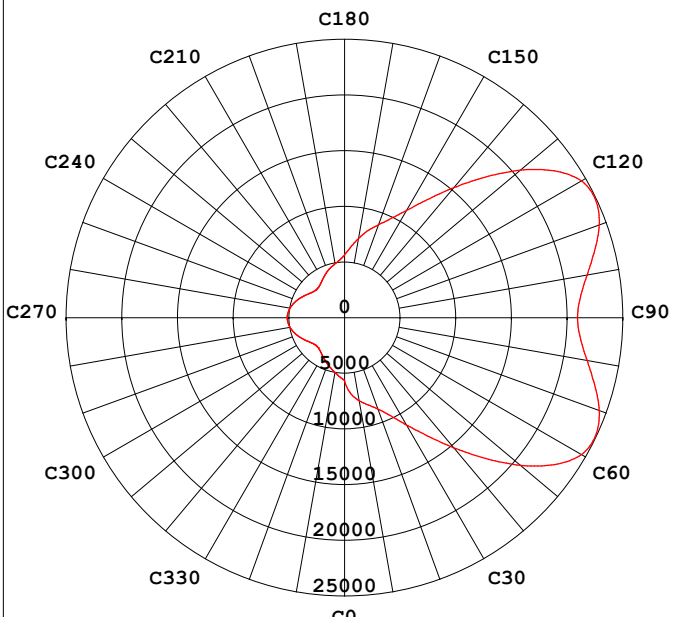
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 159.23 lm/W	
MODEL	/	Imax(cd)	24588	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	39028	η house_up(%)	0.0
NOMINAL FLUX(lm)	39027.6	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):88.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

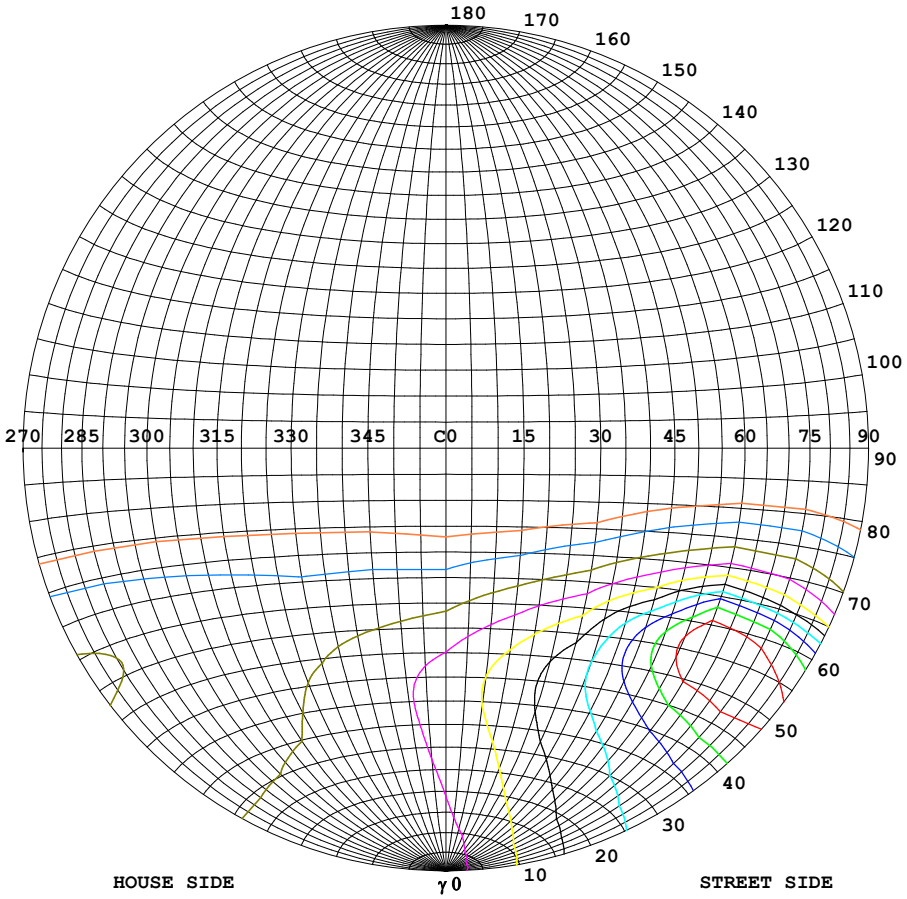


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

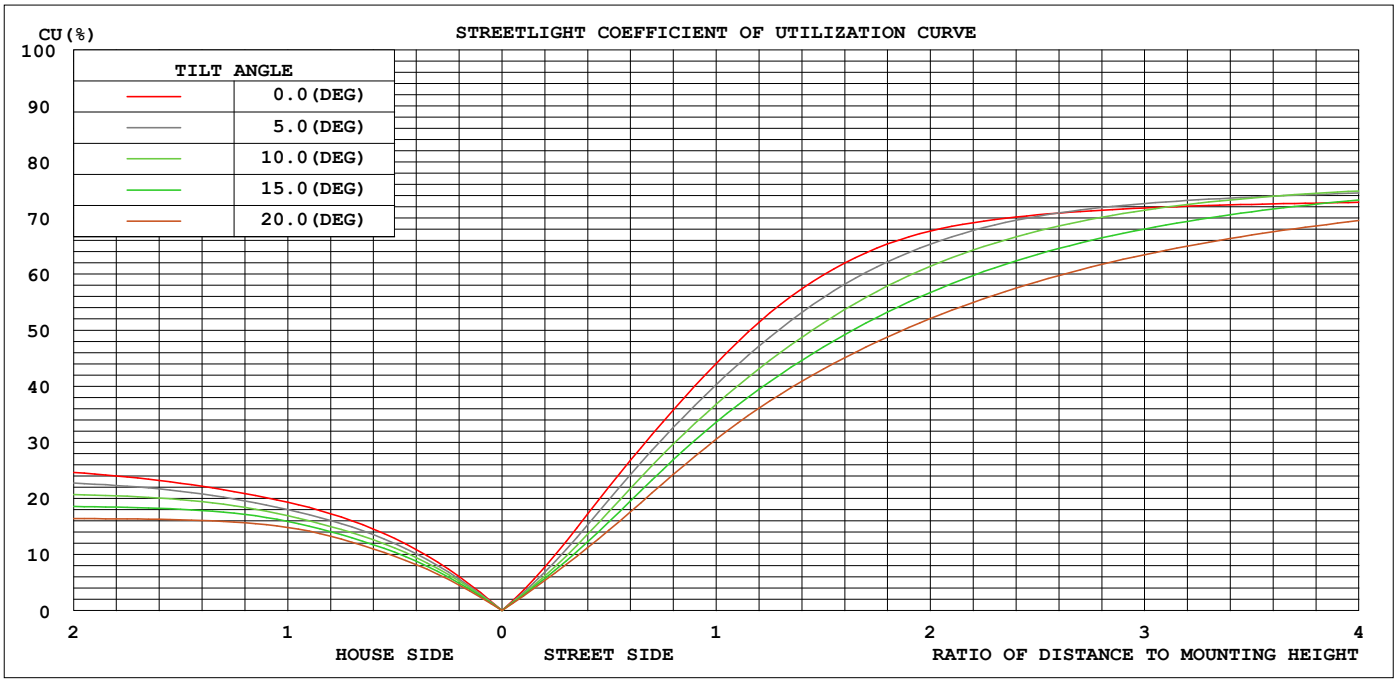
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

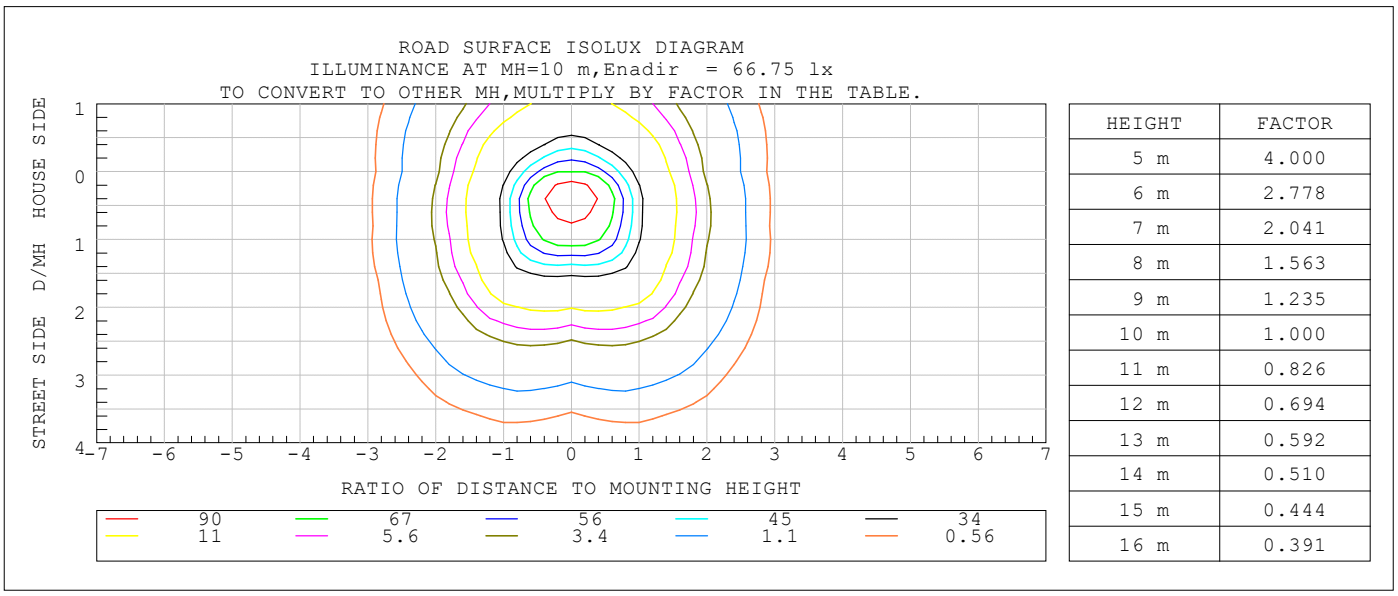
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	24588
90%	22129
80%	19670
70%	17212
60%	14753
50%	12294
40%	9835
30%	7376
20%	4918
10%	2459
5%	1229

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:

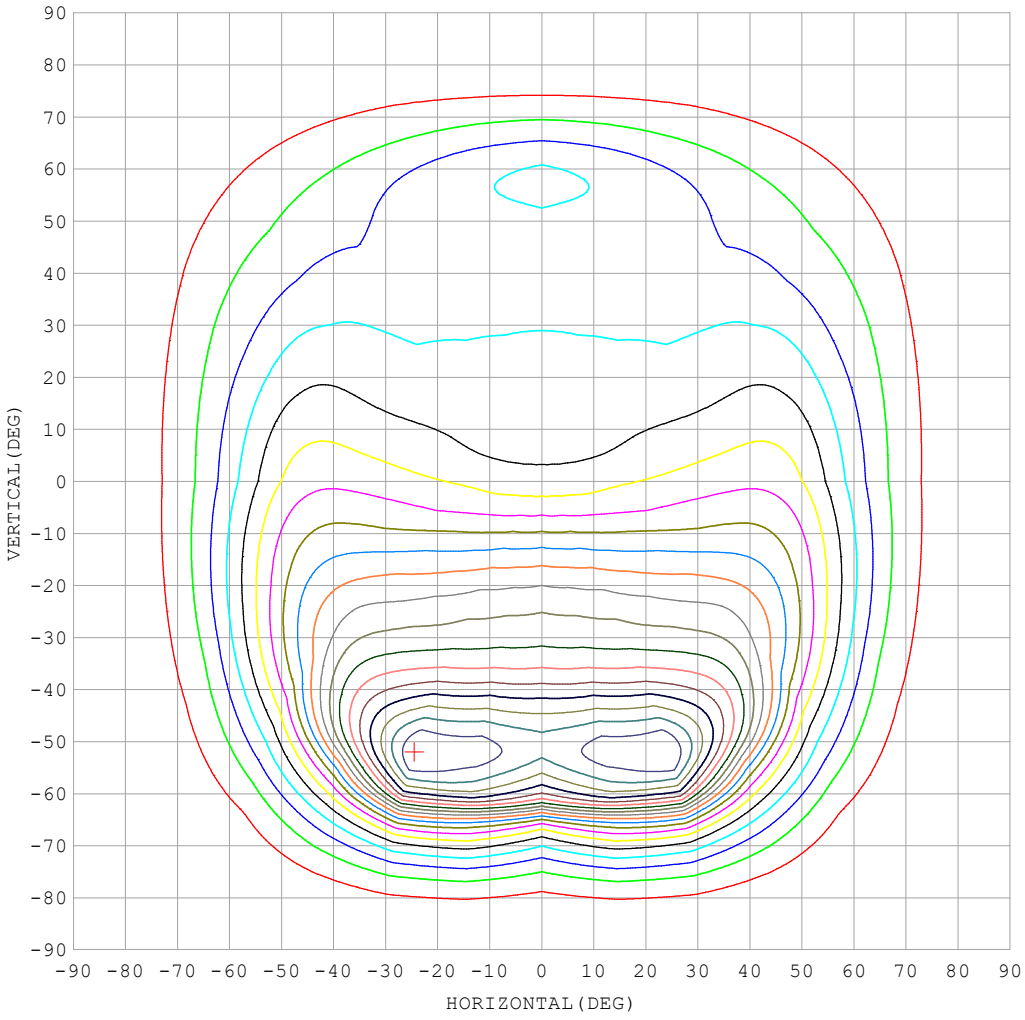
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	701.4	876.6	997.6	876.6	701.4	582.4	574.9	582.4	0- 10	670.1	670.1	1.72,1.72
20	742.9	1143	1350	1143	742.9	567.6	529.6	567.6	10- 20	2265	2936	7.52,7.52
30	791.8	1353	1561	1353	791.8	512.9	488.1	512.9	20- 30	4107	7043	18,18
40	833.0	1535	1894	1535	833.0	467.5	455.3	467.5	30- 40	6047	13090	33.5,33.5
50	738.6	1789	2241	1789	738.6	406.9	464.8	406.9	40- 50	8189	21279	54.5,54.5
60	439.3	1536	1832	1536	439.3	330.1	503.0	330.1	50- 60	9318	30597	78.4,78.4
70	172.5	573.4	498.6	573.4	172.5	197.3	229.2	197.3	60- 70	6195	36792	94.3,94.3
80	43.68	104.5	94.26	104.5	43.68	50.37	43.70	50.37	70- 80	1989	38781	99.4,99.4
90	1.188	0.3171	0.3547	0.3171	1.188	6.059	7.062	6.059	80- 90	246.7	39028	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



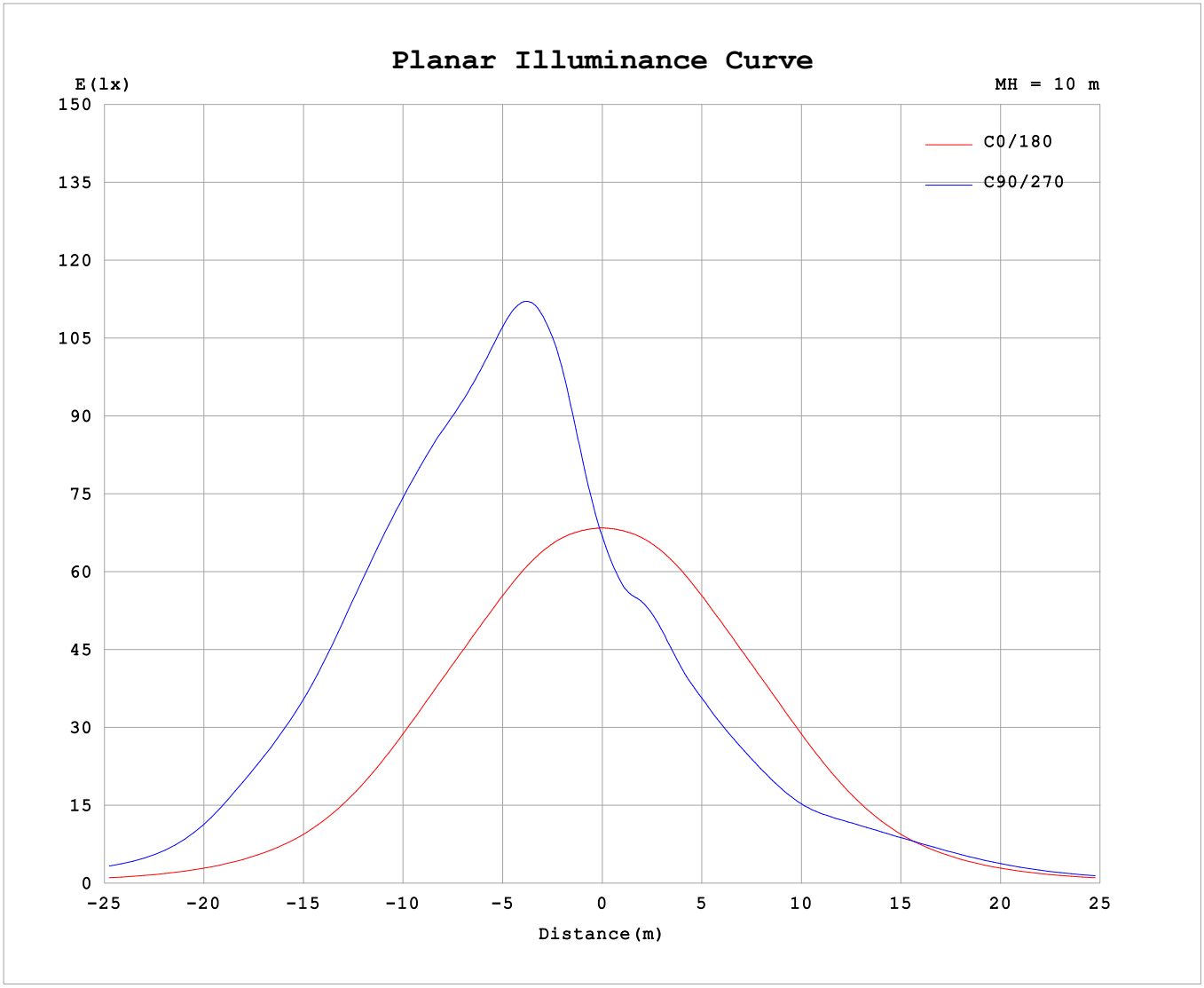
Imax:24566(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

UNIT: cd

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



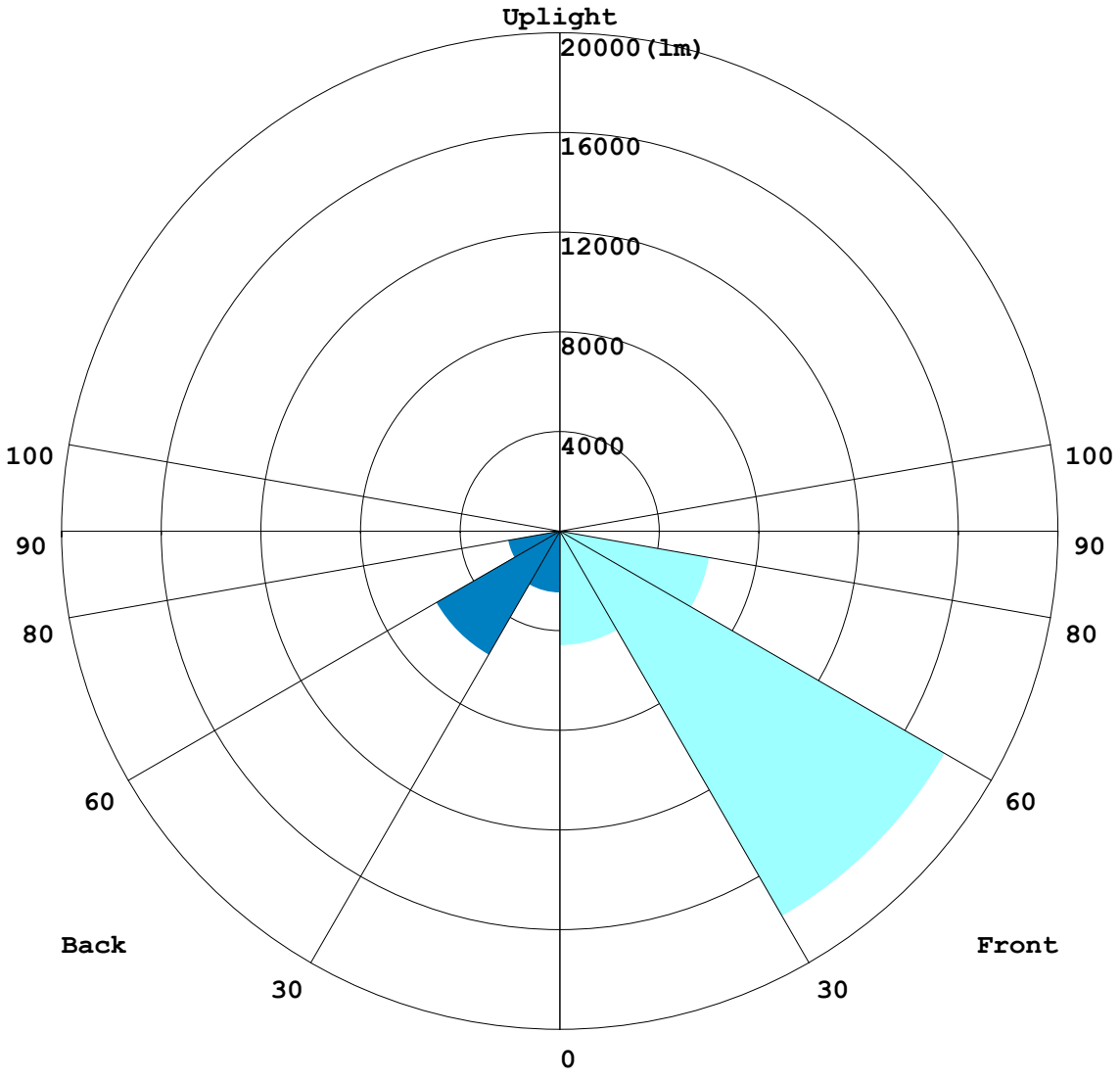
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39027.6x1 lm		
NAME: FL72-500(250W)-F04803	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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39027.6x1 lm		
NAME: FL72-500(250W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4580.4	11.7
FM - Front-Medium(30-60)	17837	45.7
FH - Front-High(60-80)	6088.4	15.6
FVH - Front-Very High(80-90)	152.89	0.4
Total Forward Light	28658	73.4
BL - Back-Low(0-30)	2462.3	6.3
BM - Back-Medium(30-60)	5717.5	14.6
BH - Back-High(60-80)	2095.5	5.4
BVH - Back-Very High(80-90)	93.796	0.2
Total Back Light	10369	26.6
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	10369	0	10369
Street Side	28658	0	28658

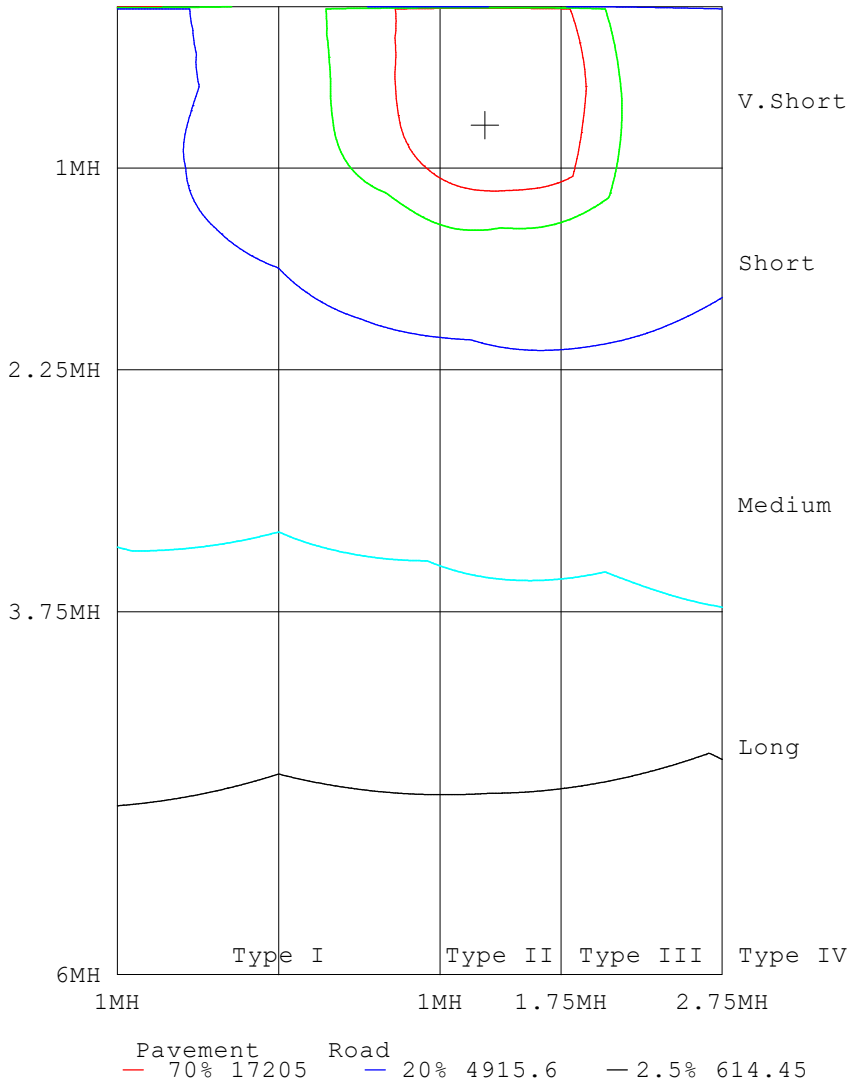
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:39027.6x1 lm		
NAME: FL72-500(250W)-F04803	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	685	668	668	667	668	666	668	666	668	667	668	668	685	668	668	667	668	666	668
5	689	700	730	754	783	794	805	794	783	754	730	700	689	647	627	610	600	593	592
10	701	743	812	877	943	977	998	977	943	877	812	743	701	638	603	582	576	574	575
15	721	794	906	1015	1112	1161	1186	1161	1112	1015	906	794	721	637	597	582	572	566	565
20	743	849	1006	1143	1257	1321	1350	1321	1257	1143	1006	849	743	642	601	568	545	532	530
25	767	906	1098	1254	1380	1443	1470	1443	1380	1254	1098	906	767	652	589	538	513	504	504
30	792	964	1184	1353	1475	1536	1561	1536	1475	1353	1184	964	792	658	569	513	493	487	488
35	817	1020	1264	1440	1571	1659	1692	1659	1571	1440	1264	1020	817	662	553	491	473	472	475
40	833	1064	1331	1535	1731	1862	1894	1862	1731	1535	1331	1064	833	667	540	468	450	452	455
45	814	1068	1360	1660	1968	2106	2102	2106	1968	1660	1360	1068	814	654	523	440	421	426	433
50	739	1003	1314	1789	2238	2336	2241	2336	2238	1789	1314	1003	739	600	481	407	393	440	465
55	598	849	1158	1809	2450	2359	2139	2359	2450	1809	1158	849	598	497	413	367	404	478	511
60	439	644	898	1536	2277	2126	1832	2126	2277	1536	898	644	439	377	334	330	397	462	503
65	285	426	607	985	1641	1335	979	1335	1641	985	607	426	285	278	259	282	320	355	381
70	173	227	360	573	806	717	499	717	806	573	360	227	173	186	187	197	208	221	229
75	96.0	111	154	284	390	366	247	366	390	284	154	111	96.0	110	111	112	113	108	107
80	43.7	48.1	53.2	104	148	144	94.3	144	148	104	53.2	48.1	43.7	50.8	49.5	50.4	49.1	46.4	43.7
85	9.76	10.4	10.1	17.2	29.4	28.5	18.6	28.5	29.4	17.2	10.1	10.4	9.76	12.0	12.2	12.6	13.0	12.0	11.8
90	1.19	0.27	0.29	0.32	0.34	0.35	0.35	0.35	0.34	0.32	0.29	0.27	1.19	2.80	4.17	6.06	7.35	7.41	7.06

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	666	668	667	668	668														
5	593	600	610	627	647														
10	574	576	582	603	638														
15	566	572	582	597	637														
20	532	545	568	601	642														
25	504	513	538	589	652														
30	487	493	513	569	658														
35	472	473	491	553	662														
40	452	450	468	540	667														
45	426	421	440	523	654														
50	440	393	407	481	600														
55	478	404	367	413	497														
60	462	397	330	334	377														
65	355	320	282	259	278														
70	221	208	197	187	186														
75	108	113	112	111	110														
80	46.4	49.1	50.4	49.5	50.8														
85	12.0	13.0	12.6	12.2	12.0														
90	7.41	7.35	6.06	4.17	2.80														

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: