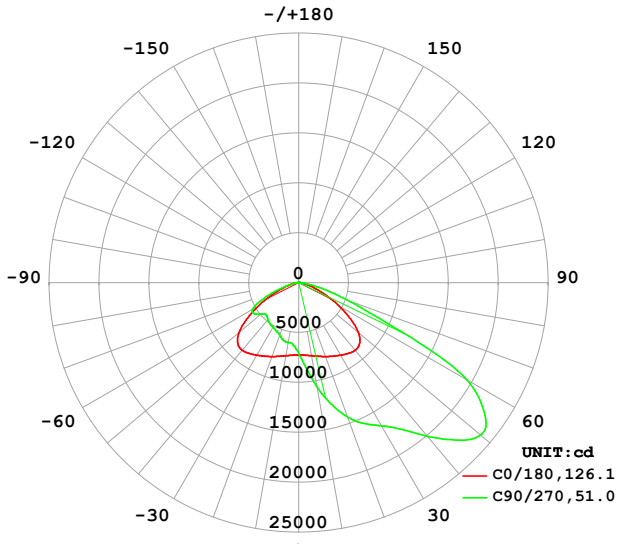
STREETLIGHT PHOTOMETRIC TEST REPORT

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:41414.2x1 lm		
NAME: FL72-500(250W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

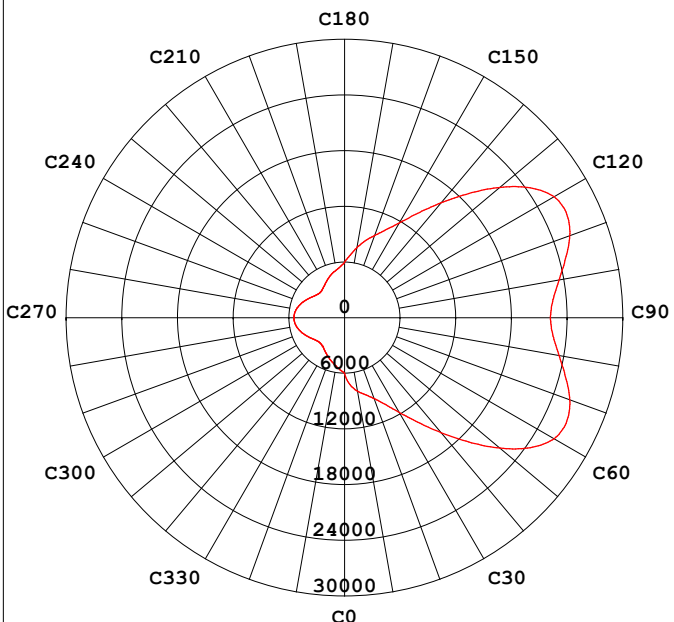
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 168.97 lm/W	
MODEL	/	Imax(cd)	26092	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	41414	η house_up(%)	0.0
NOMINAL FLUX(lm)	41414.2	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

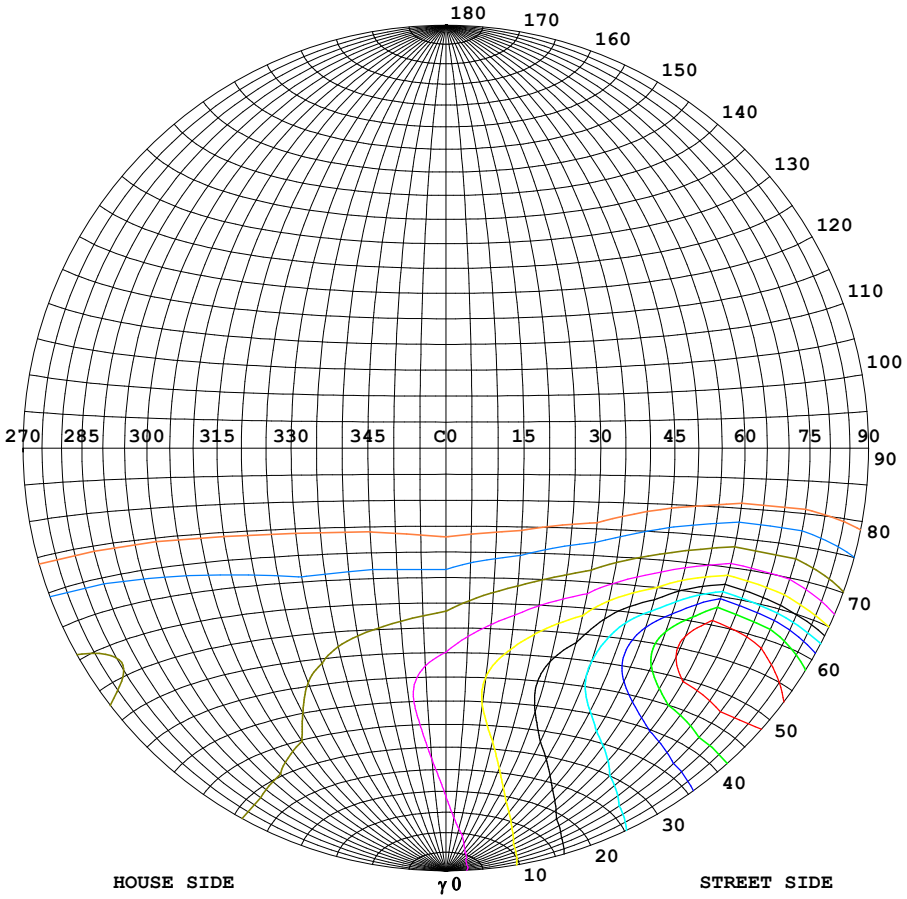


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

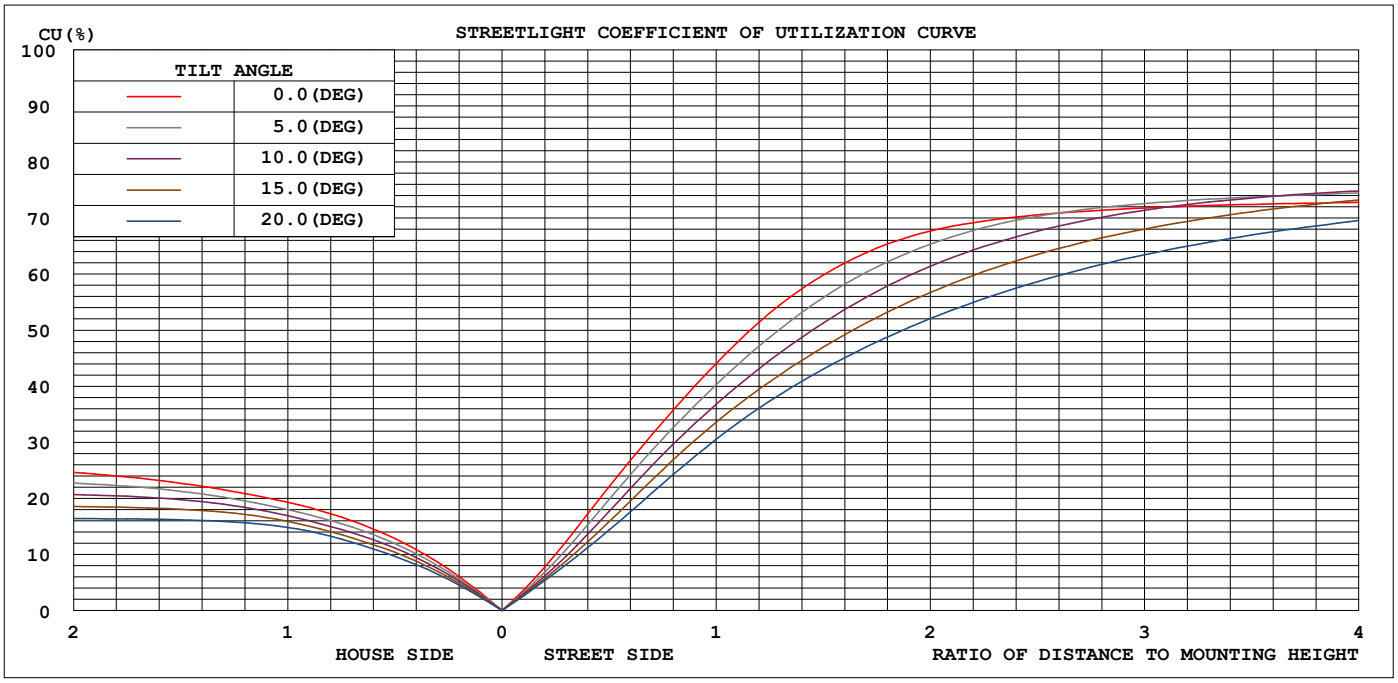
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

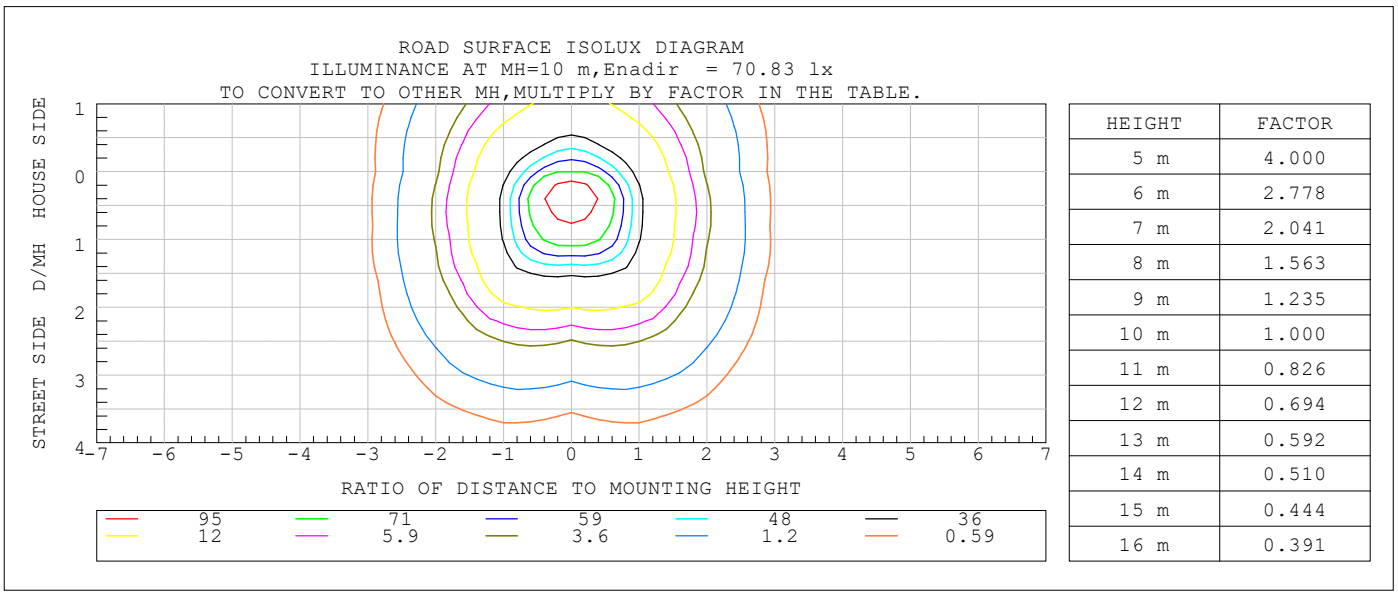
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	26092
90%	23482
80%	20873
70%	18264
60%	15655
50%	13046
40%	10437
30%	7827
20%	5218
10%	2609
5%	1305

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:

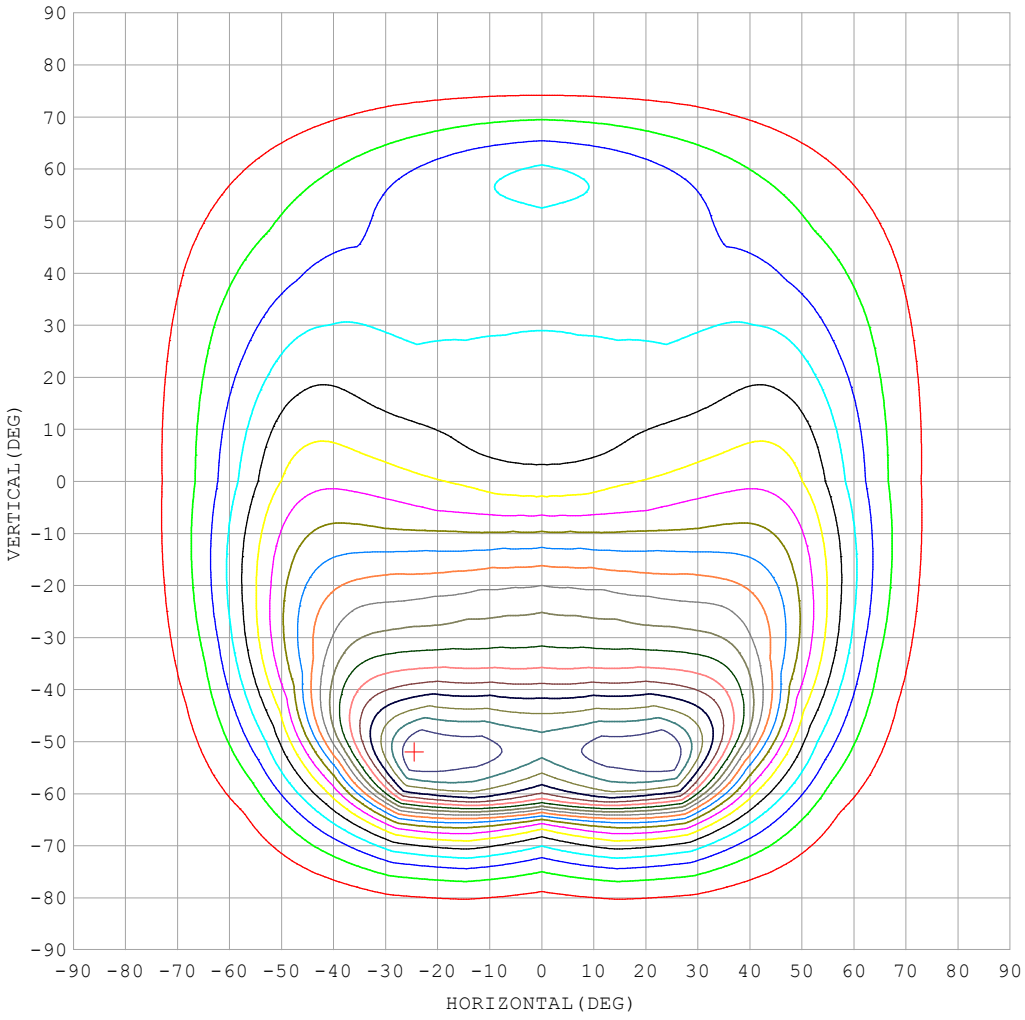
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	744.3	930.2	1059	930.2	744.3	618.0	610.0	618.0	0- 10	711.1	711.1	1.72,1.72
20	788.4	1212	1432	1212	788.4	602.3	562.0	602.3	10- 20	2404	3115	7.52,7.52
30	840.3	1435	1657	1435	840.3	544.3	517.9	544.3	20- 30	4358	7473	18,18
40	884.0	1629	2009	1629	884.0	496.1	483.1	496.1	30- 40	6417	13891	33.5,33.5
50	783.8	1898	2378	1898	783.8	431.8	493.2	431.8	40- 50	8690	22580	54.5,54.5
60	466.2	1629	1944	1629	466.2	350.3	533.7	350.3	50- 60	9888	32468	78.4,78.4
70	183.1	608.4	529.1	608.4	183.1	209.3	243.2	209.3	60- 70	6574	39042	94.3,94.3
80	46.35	110.9	100.0	110.9	46.35	53.45	46.38	53.45	70- 80	2110	41152	99.4,99.4
90	1.261	0.3365	0.3764	0.3365	1.261	6.430	7.494	6.430	80- 90	261.8	41414	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



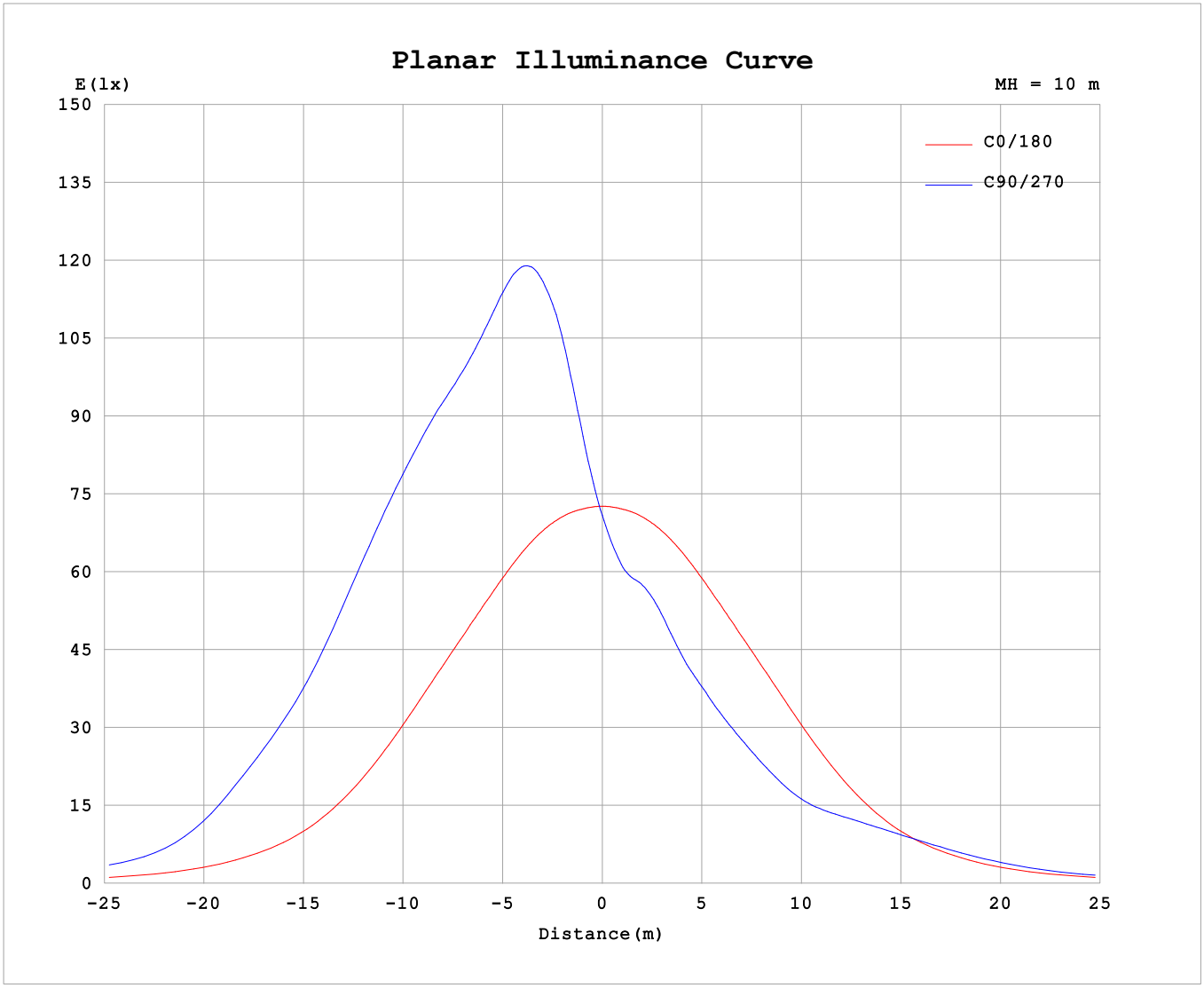
Imax:26068(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



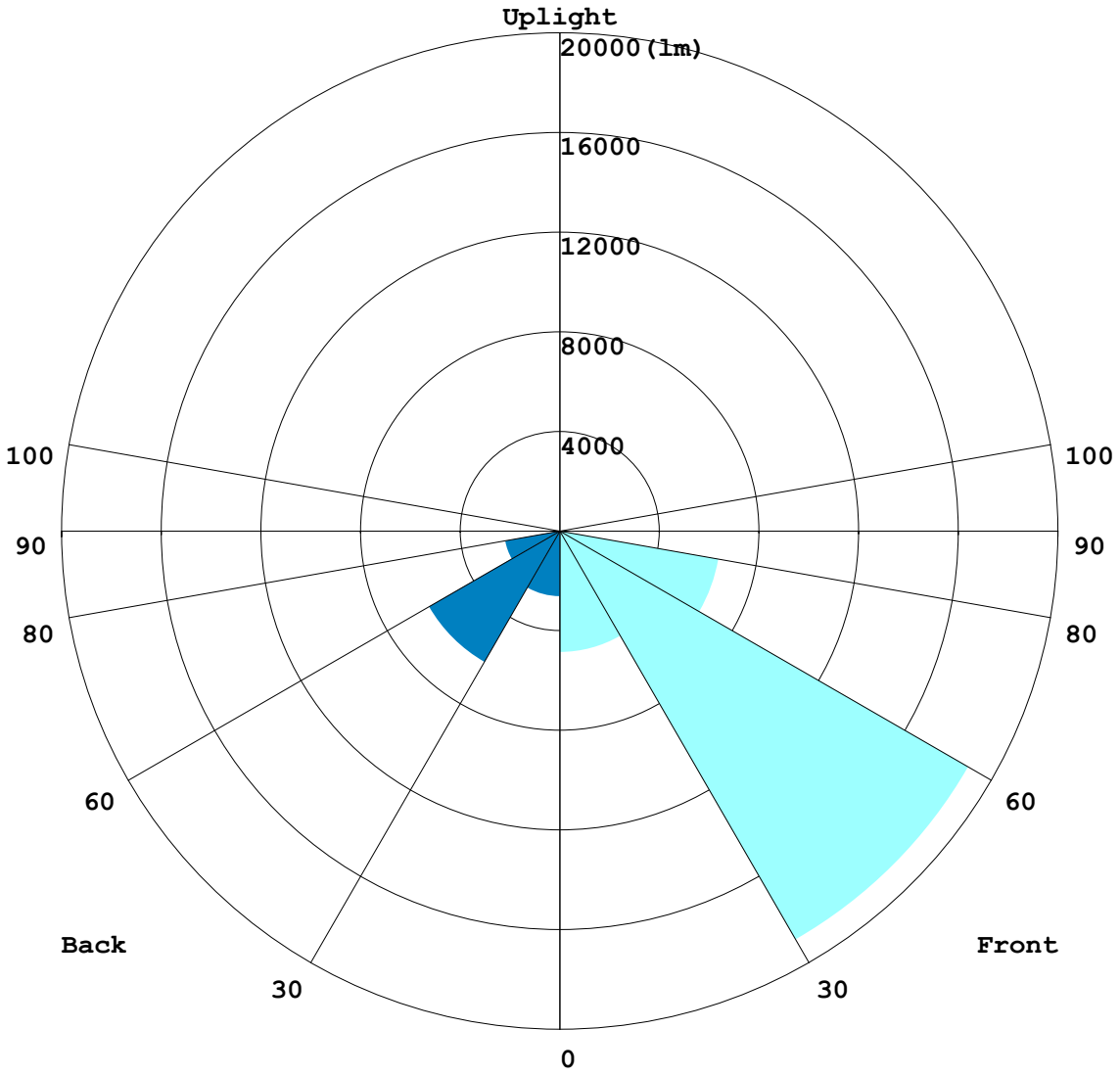
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:41414.2x1 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:41414.2x1 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)	4860.5	11.7
FM - Front-Medium(30-60)	18928	45.7
FH - Front-High(60-80)	6460.7	15.6
FVH - Front-Very High(80-90)	162.24	0.4
Total Forward Light	30411	73.4
BL - Back-Low(0-30)	2612.9	6.3
BM - Back-Medium(30-60)	6067.1	14.6
BH - Back-High(60-80)	2223.6	5.4
BVH - Back-Very High(80-90)	99.532	0.2
Total Back Light	11003	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	11003	0	11003
Street Side	30411	0	30411

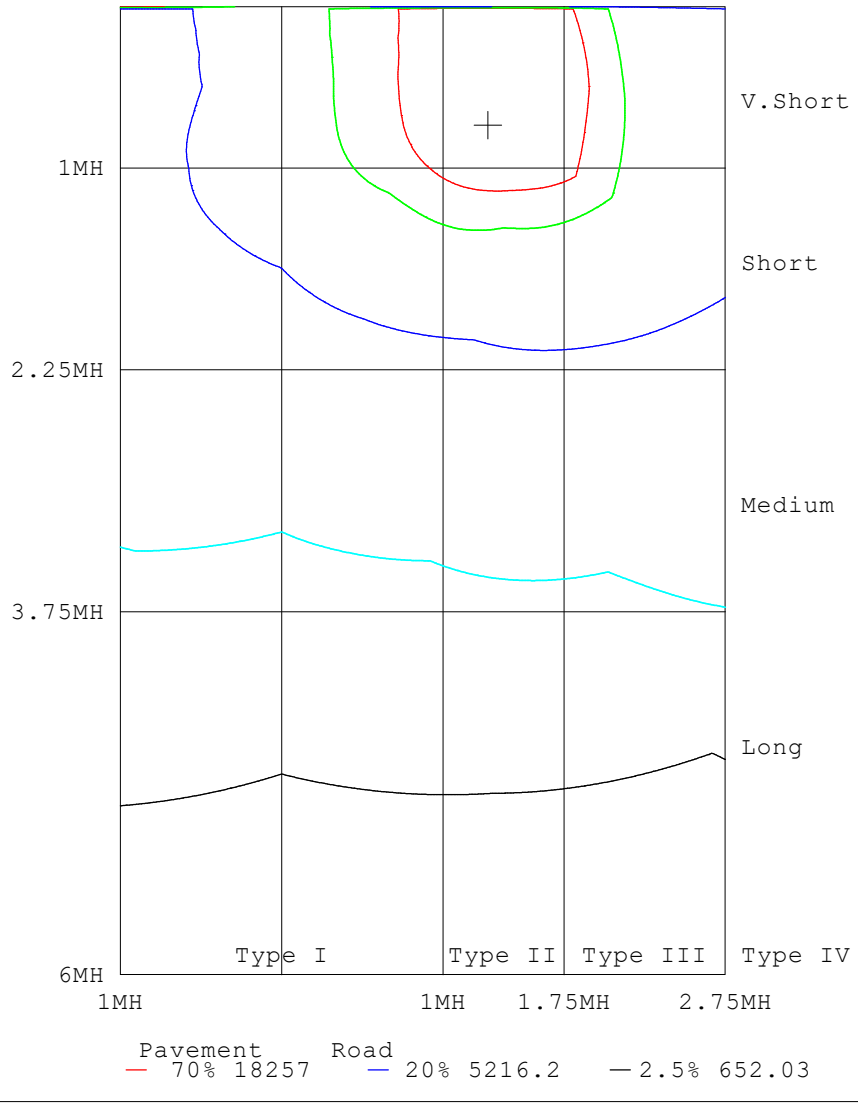
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:41414.2x1 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	727	709	709	708	709	707	709	707	709	708	709	709	727	709	709	708	709	707	709
5	731	743	775	800	831	842	854	842	831	800	775	743	731	687	665	648	637	629	628
10	744	789	861	930	1001	1037	1059	1037	1001	930	861	789	744	677	640	618	611	609	610
15	765	843	961	1078	1180	1232	1258	1232	1180	1078	961	843	765	676	634	618	607	600	599
20	788	901	1067	1212	1334	1401	1432	1401	1334	1212	1067	901	788	682	637	602	579	565	562
25	814	961	1166	1331	1464	1531	1559	1531	1464	1331	1166	961	814	692	625	571	545	534	535
30	840	1023	1256	1435	1565	1630	1657	1630	1565	1435	1256	1023	840	698	604	544	523	517	518
35	867	1082	1342	1528	1667	1760	1795	1760	1667	1528	1342	1082	867	702	586	521	502	501	504
40	884	1129	1413	1629	1837	1976	2009	1976	1837	1629	1413	1129	884	708	573	496	478	479	483
45	864	1134	1443	1761	2088	2235	2230	2235	2088	1761	1443	1134	864	694	555	467	446	452	460
50	784	1064	1395	1898	2375	2478	2378	2478	2375	1898	1395	1064	784	637	510	432	417	467	493
55	635	901	1228	1919	2600	2504	2269	2504	2600	1919	1228	901	635	527	439	389	429	507	543
60	466	684	953	1629	2416	2256	1944	2256	2416	1629	953	684	466	400	355	350	421	490	534
65	303	452	644	1045	1741	1416	1039	1416	1741	1045	644	452	303	295	275	300	340	377	404
70	183	241	382	608	855	761	529	761	855	608	382	241	183	198	198	209	220	234	243
75	102	118	163	301	414	388	262	388	414	301	163	118	102	116	117	119	120	115	113
80	46.3	51.1	56.5	111	157	152	100	152	157	111	56.5	51.1	46.3	53.9	52.5	53.5	52.1	49.3	46.4
85	10.4	11.0	10.7	18.2	31.2	30.3	19.7	30.3	31.2	18.2	10.7	11.0	10.4	12.7	12.9	13.4	13.8	12.8	12.5
90	1.26	0.29	0.30	0.34	0.36	0.37	0.38	0.37	0.36	0.34	0.30	0.29	1.26	2.97	4.42	6.43	7.80	7.87	7.49

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	707	709	708	709	709														
5	629	637	648	665	687														
10	609	611	618	640	677														
15	600	607	618	634	676														
20	565	579	602	637	682														
25	534	545	571	625	692														
30	517	523	544	604	698														
35	501	502	521	586	702														
40	479	478	496	573	708														
45	452	446	467	555	694														
50	467	417	432	510	637														
55	507	429	389	439	527														
60	490	421	350	355	400														
65	377	340	300	275	295														
70	234	220	209	198	198														
75	115	120	119	117	116														
80	49.3	52.1	53.5	52.5	53.9														
85	12.8	13.8	13.4	12.9	12.7														
90	7.87	7.80	6.43	4.42	2.97														

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: