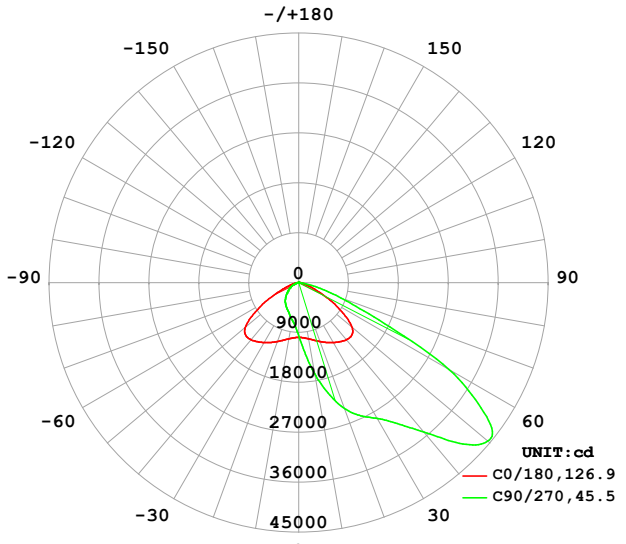
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62776x1 lm		
NAME: FL72-500(500W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

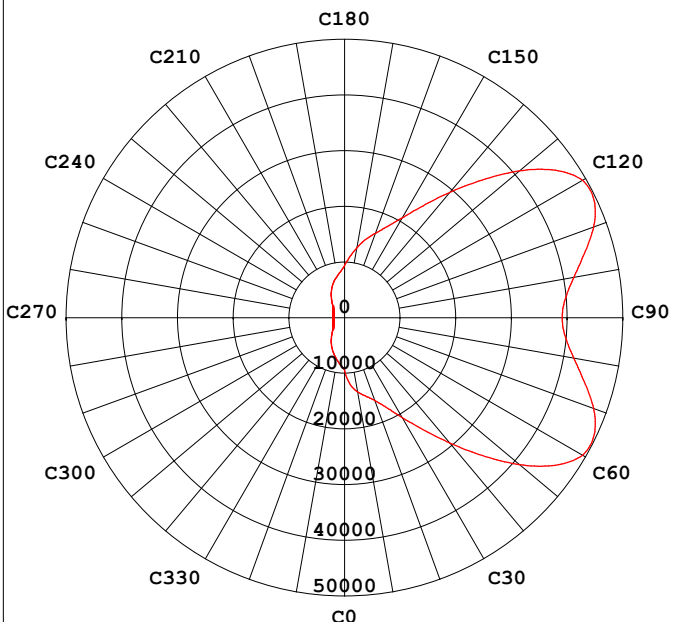
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 127.31 lm/W	
MODEL	/	Imax(cd)	49388	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	62776	η house_up(%)	0.0
NOMINAL FLUX(lm)	62776	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):86.2 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

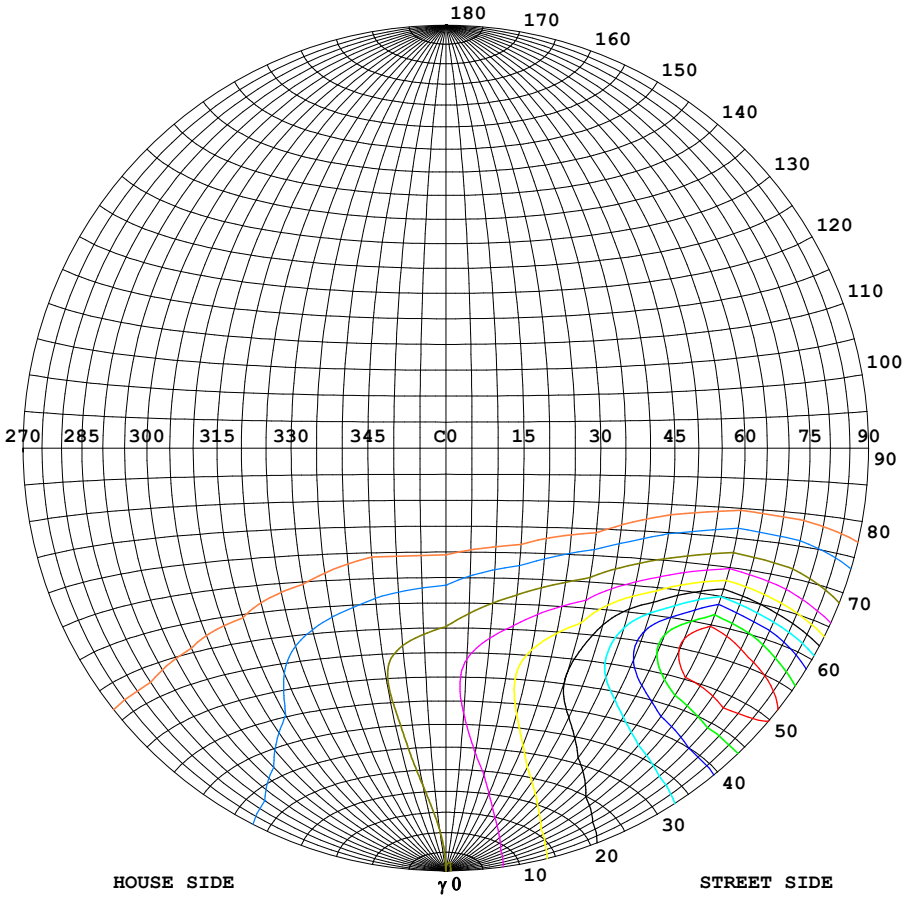


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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

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 III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

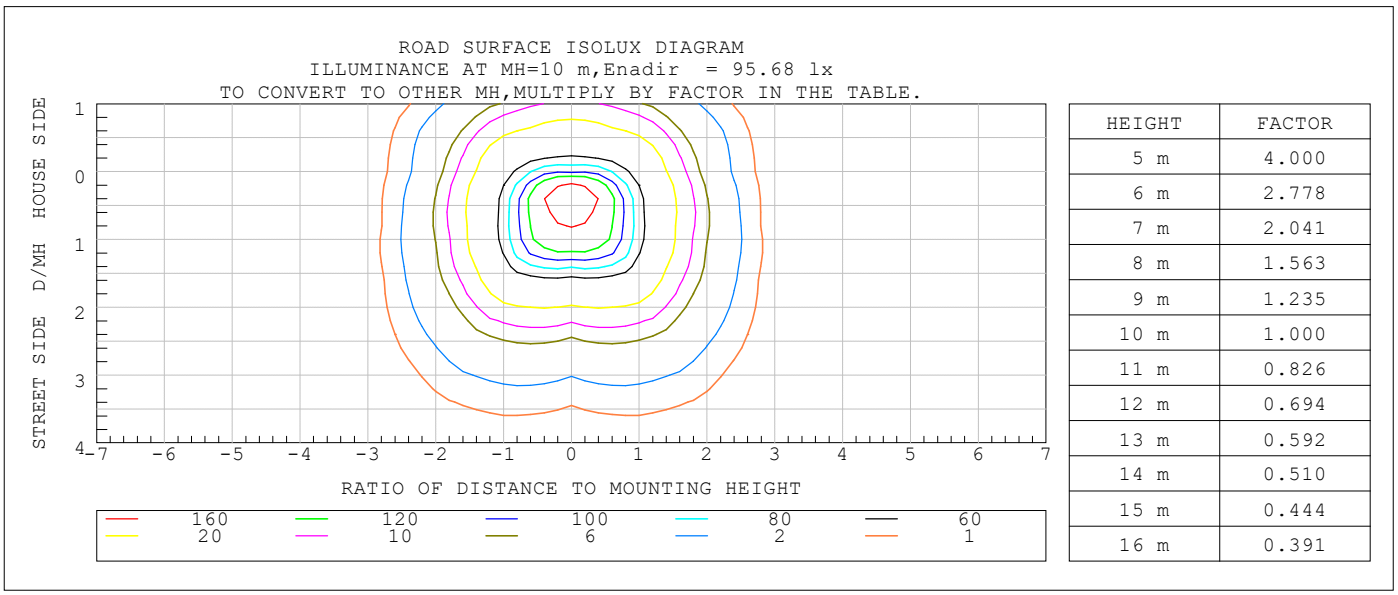
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	49388
90%	44449
80%	39511
70%	34572
60%	29633
50%	24694
40%	19755
30%	14817
20%	9878
10%	4939
5%	2469

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:

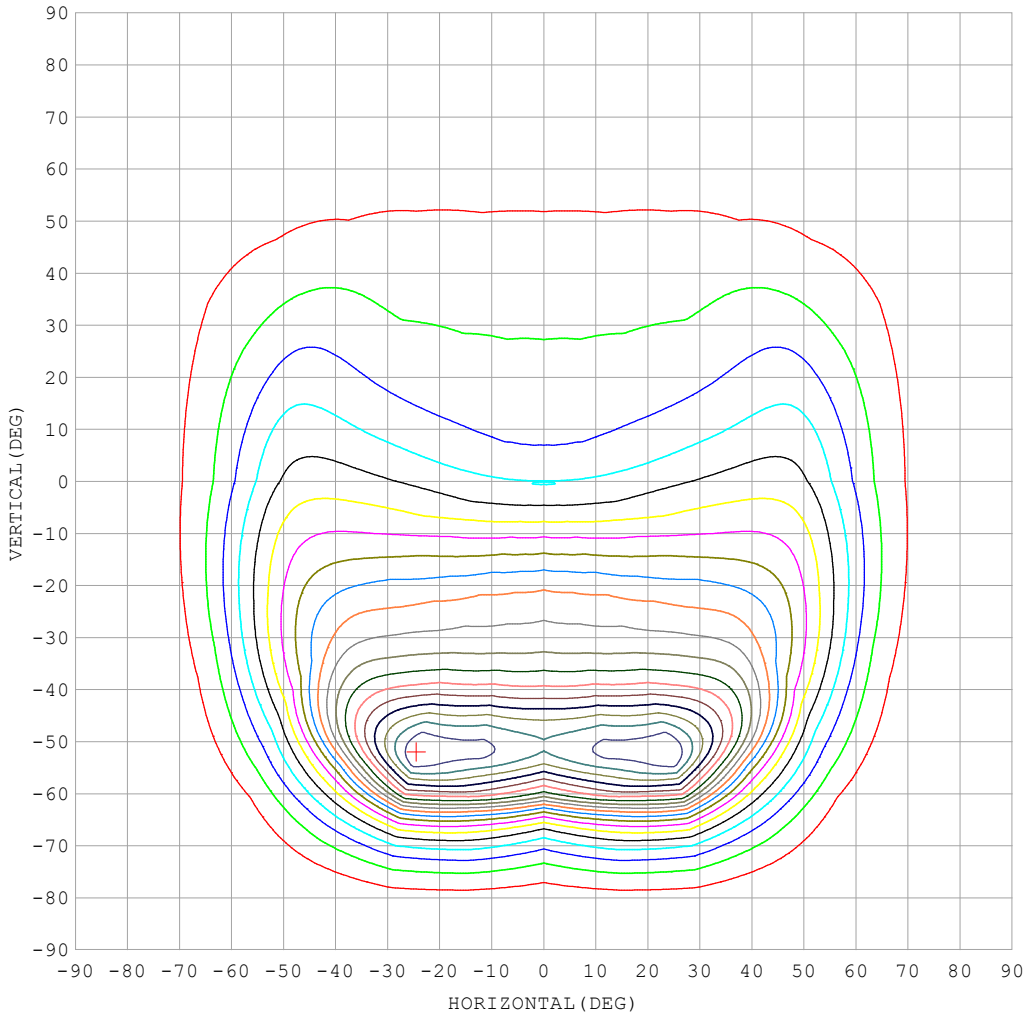
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1031	1425	1668	1425	1031	747.9	688.6	747.9	0- 10	981.9	981.9	1.56,1.56
20	1132	1977	2415	1977	1132	657.3	553.9	657.3	10- 20	3438	4420	7.04,7.04
30	1250	2428	2828	2428	1250	577.7	469.8	577.7	20- 30	6492	10912	17.4,17.4
40	1346	2785	3519	2785	1346	496.1	373.3	496.1	30- 40	9803	20715	33,33
50	1259	3380	4450	3380	1259	399.6	264.0	399.6	40- 50	13880	34594	55.1,55.1
60	702.5	3015	3129	3015	702.5	237.6	170.2	237.6	50- 60	15956	50551	80.5,80.5
70	229.1	1017	811.7	1017	229.1	109.5	78.00	109.5	60- 70	9369	59919	95.4,95.4
80	54.58	151.4	116.7	151.4	54.58	27.51	17.20	27.51	70- 80	2610	62530	99.6,99.6
90	1.668	0.3961	0.4300	0.3961	1.668	10.71	11.82	10.71	80- 90	246.1	62776	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



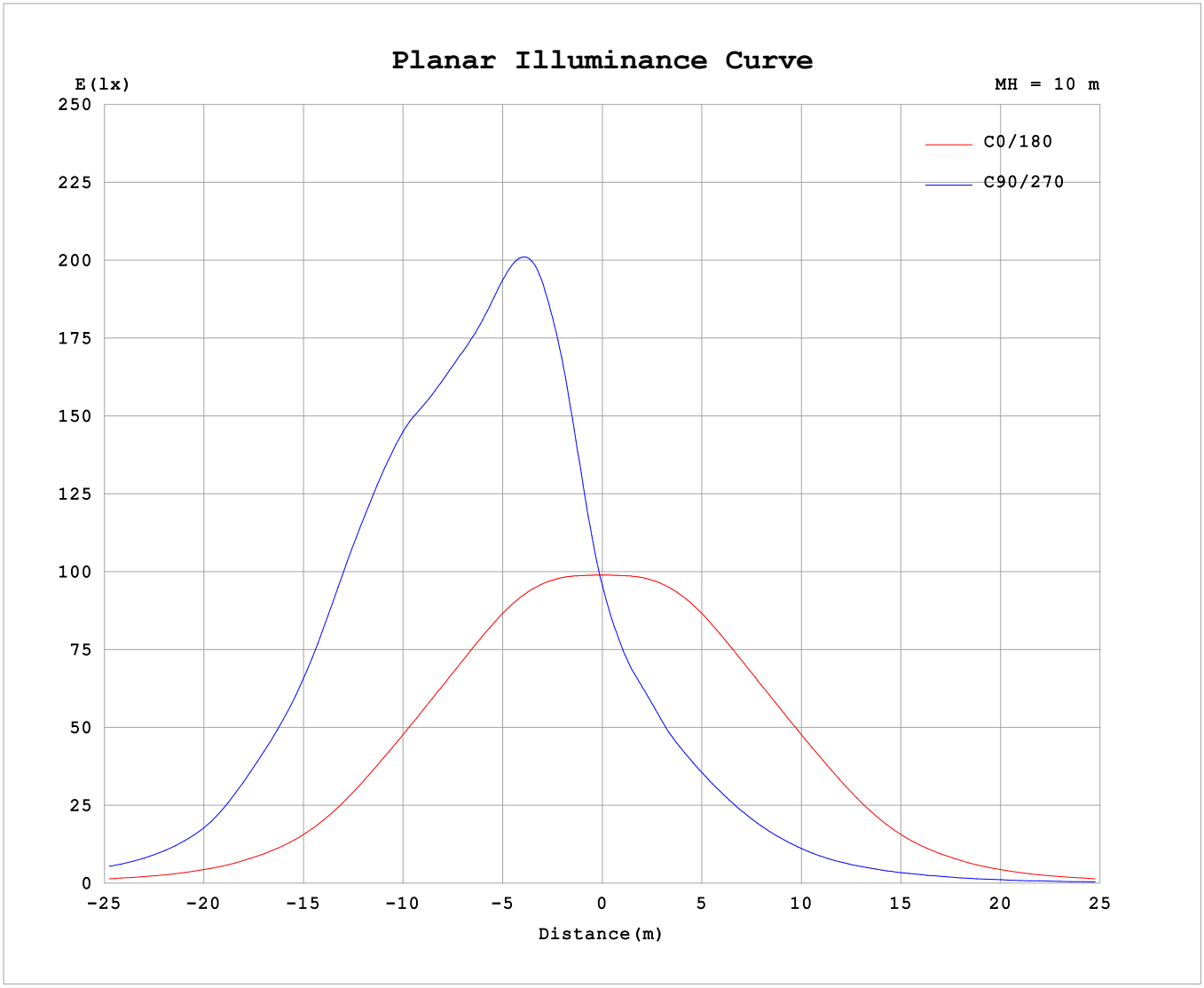
Imax:49342(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

UNIT: cd

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

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



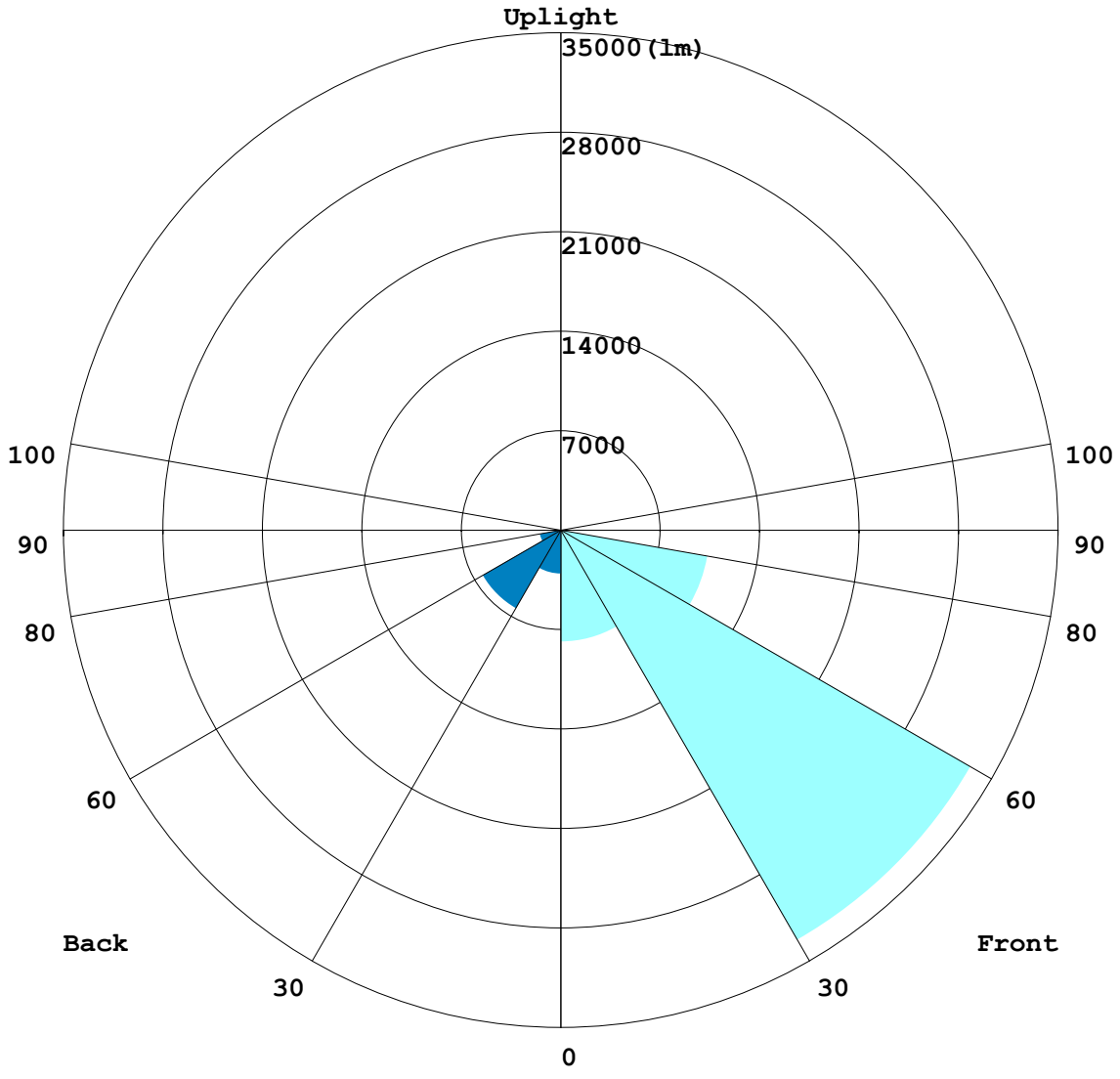
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62776x1 lm		
NAME: FL72-500(500W)-F04803-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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62776x1 lm		
NAME: FL72-500(500W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7845.1	12.5
FM - Front-Medium(30-60)	33294	53.0
FH - Front-High(60-80)	10472	16.7
FVH - Front-Very High(80-90)	170.63	0.3
Total Forward Light	51782	82.5
BL - Back-Low(0-30)	3066.8	4.9
BM - Back-Medium(30-60)	6344.9	10.1
BH - Back-High(60-80)	1506.9	2.4
BVH - Back-Very High(80-90)	75.505	0.1
Total Back Light	10994	17.5
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-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10994	0	10994
Street Side	51782	0	51782

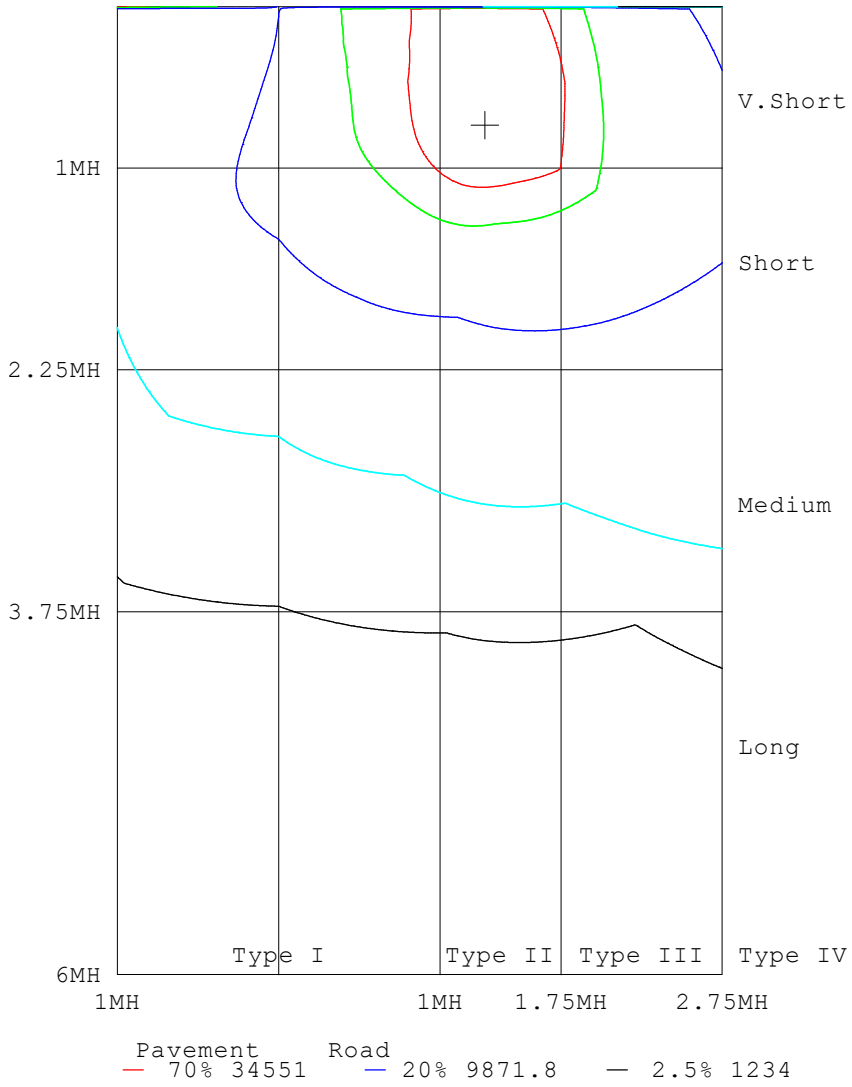
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62776x1 lm		
NAME: FL72-500(500W)-F04803-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	990	957	958	956	958	955	958	955	958	956	958	957	990	957	958	956	958	955	958
5	1000	1029	1096	1156	1213	1244	1261	1244	1213	1156	1096	1029	1000	912	867	830	806	789	786
10	1031	1127	1278	1425	1557	1627	1668	1627	1557	1425	1278	1127	1031	892	810	748	712	693	689
15	1076	1242	1485	1713	1905	2010	2063	2010	1905	1713	1485	1242	1076	890	775	701	654	626	619
20	1132	1369	1701	1977	2222	2355	2415	2355	2222	1977	1701	1369	1132	900	759	657	594	561	554
25	1193	1501	1900	2221	2476	2596	2650	2596	2476	2221	1900	1501	1193	918	739	612	550	519	511
30	1250	1627	2078	2428	2665	2775	2828	2775	2665	2428	2078	1627	1250	935	714	578	510	477	470
35	1303	1741	2241	2601	2862	3031	3105	3031	2862	2601	2241	1741	1303	951	692	540	466	432	424
40	1346	1835	2378	2785	3195	3460	3519	3460	3195	2785	2378	1835	1346	971	677	496	418	382	373
45	1351	1879	2464	3052	3699	4081	4100	4081	3699	3052	2464	1879	1351	978	660	453	365	326	318
50	1259	1807	2424	3380	4397	4649	4450	4649	4397	3380	2424	1807	1259	923	613	400	309	271	264
55	1003	1532	2156	3530	4918	4605	4078	4605	4918	3530	2156	1532	1003	748	513	319	255	223	217
60	703	1135	1654	3015	4375	3794	3129	3794	4375	3015	1654	1135	703	533	367	238	200	176	170
65	416	707	1071	1843	2944	2227	1597	2227	2944	1843	1071	707	416	372	236	164	142	126	120
70	229	329	594	1017	1434	1181	812	1181	1434	1017	594	329	229	224	147	110	93.9	82.3	78.0
75	122	144	208	472	663	571	374	571	663	472	208	144	122	121	88.6	64.4	52.1	44.1	41.8
80	54.6	59.5	60.9	151	222	185	117	185	222	151	60.9	59.5	54.6	52.2	39.9	27.5	21.6	18.3	17.2
85	12.2	11.9	8.99	15.0	18.7	11.6	8.97	11.6	18.7	15.0	8.99	11.9	12.2	13.0	9.88	9.15	9.67	9.14	8.50
90	1.67	0.36	0.37	0.40	0.42	0.43	0.43	0.43	0.42	0.40	0.37	0.36	1.67	4.39	7.11	10.7	13.0	12.7	11.8

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	955	958	956	958	957														
5	789	806	830	867	912														
10	693	712	748	810	892														
15	626	654	701	775	890														
20	561	594	657	759	900														
25	519	550	612	739	918														
30	477	510	578	714	935														
35	432	466	540	692	951														
40	382	418	496	677	971														
45	326	365	453	660	978														
50	271	309	400	613	923														
55	223	255	319	513	748														
60	176	200	238	367	533														
65	126	142	164	236	372														
70	82.3	93.9	110	147	224														
75	44.1	52.1	64.4	88.6	121														
80	18.3	21.6	27.5	39.9	52.2														
85	9.14	9.67	9.15	9.88	13.0														
90	12.7	13.0	10.7	7.11	4.39														

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: