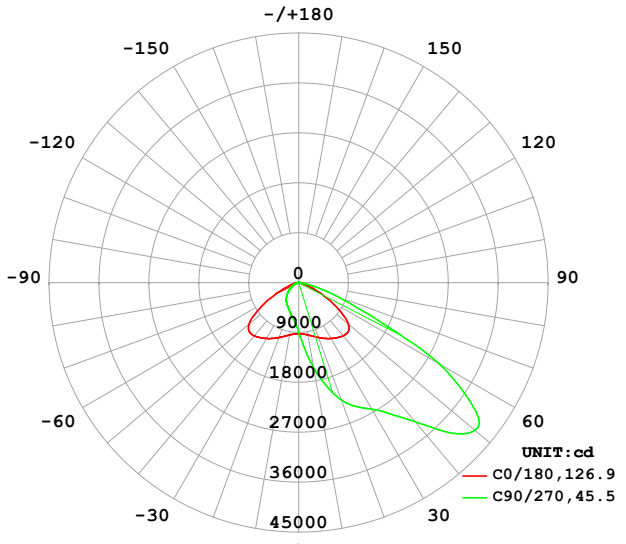
STREETLIGHT PHOTOMETRIC TEST REPORT

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:58479.2x1 lm		
NAME: FL72-500(500W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

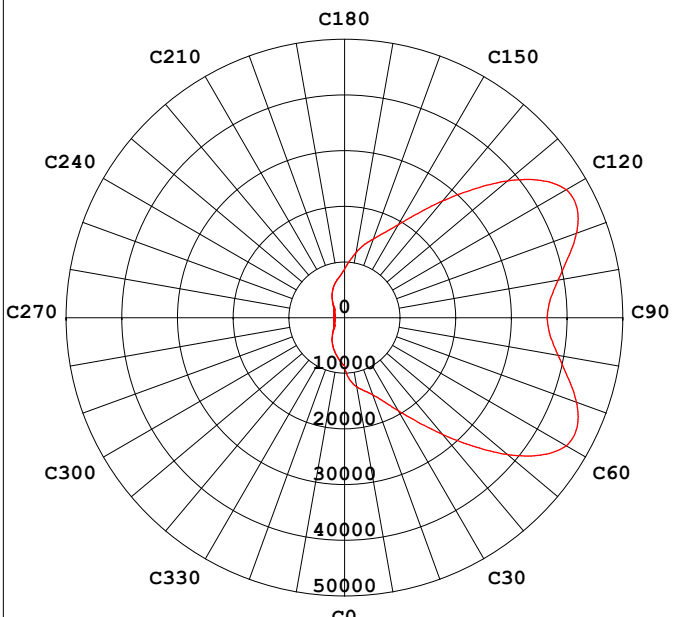
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 118.60 lm/W	
MODEL	/	Imax(cd)	46008	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	58479	η house_up(%)	0.0
NOMINAL FLUX(lm)	58479.2	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

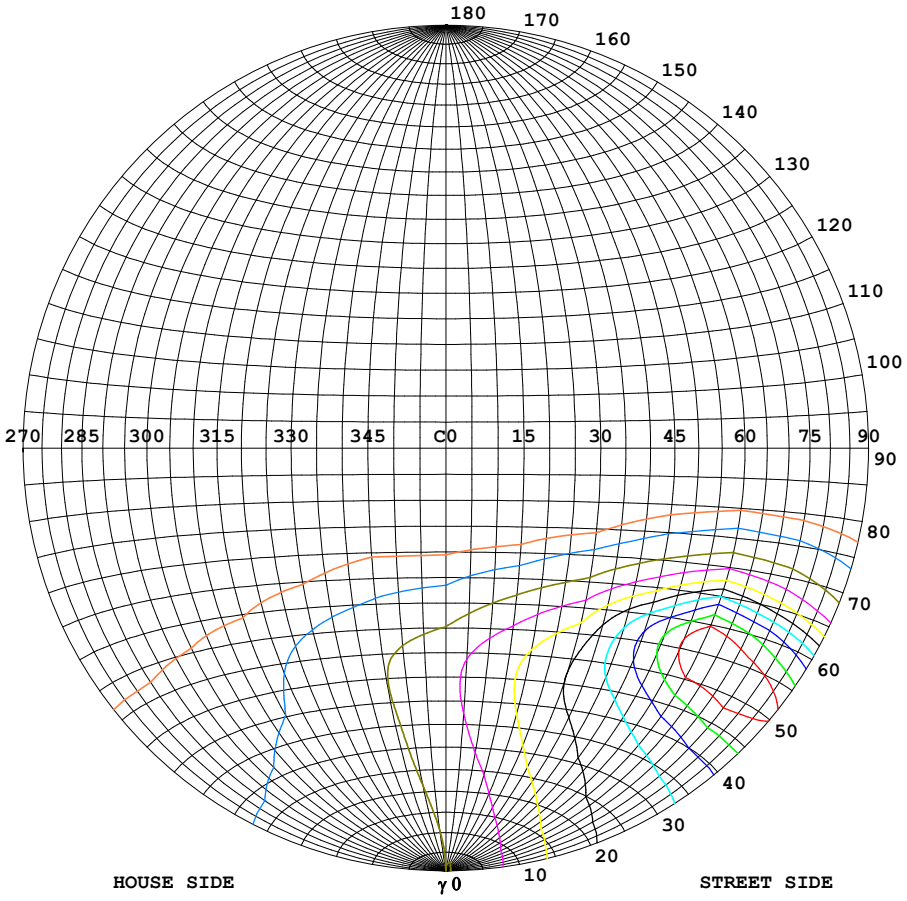


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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

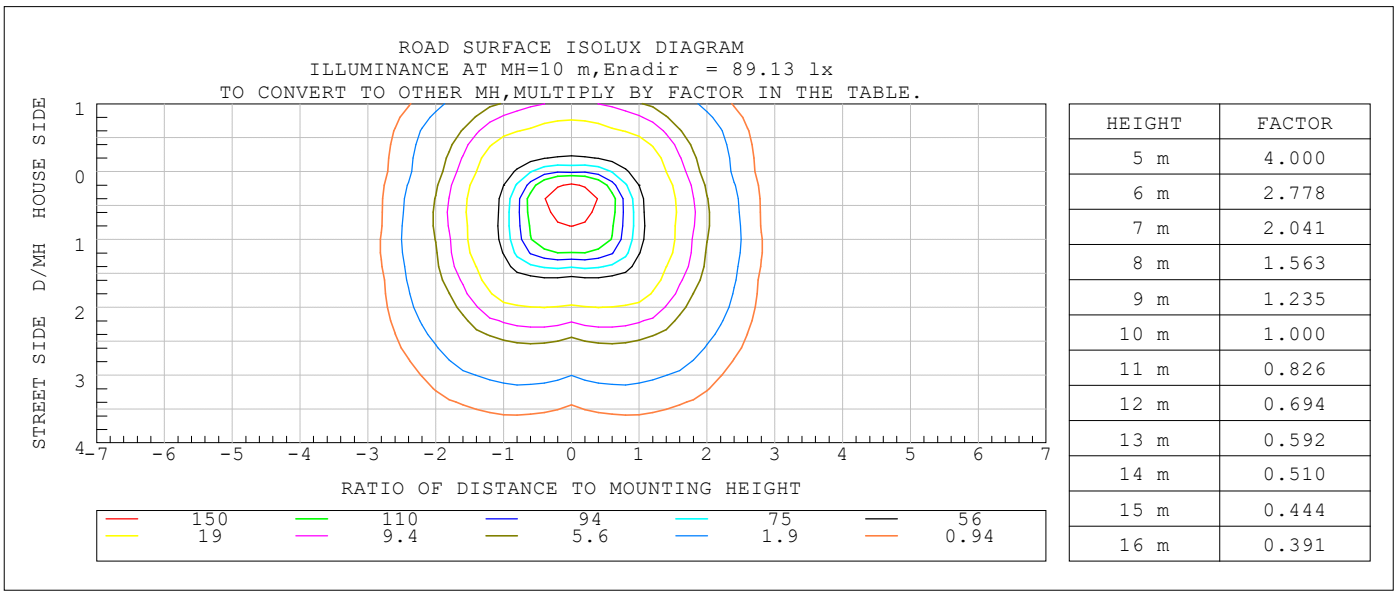
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	46008
90%	41407
80%	36806
70%	32206
60%	27605
50%	23004
40%	18403
30%	13802
20%	9202
10%	4601
5%	2300

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:

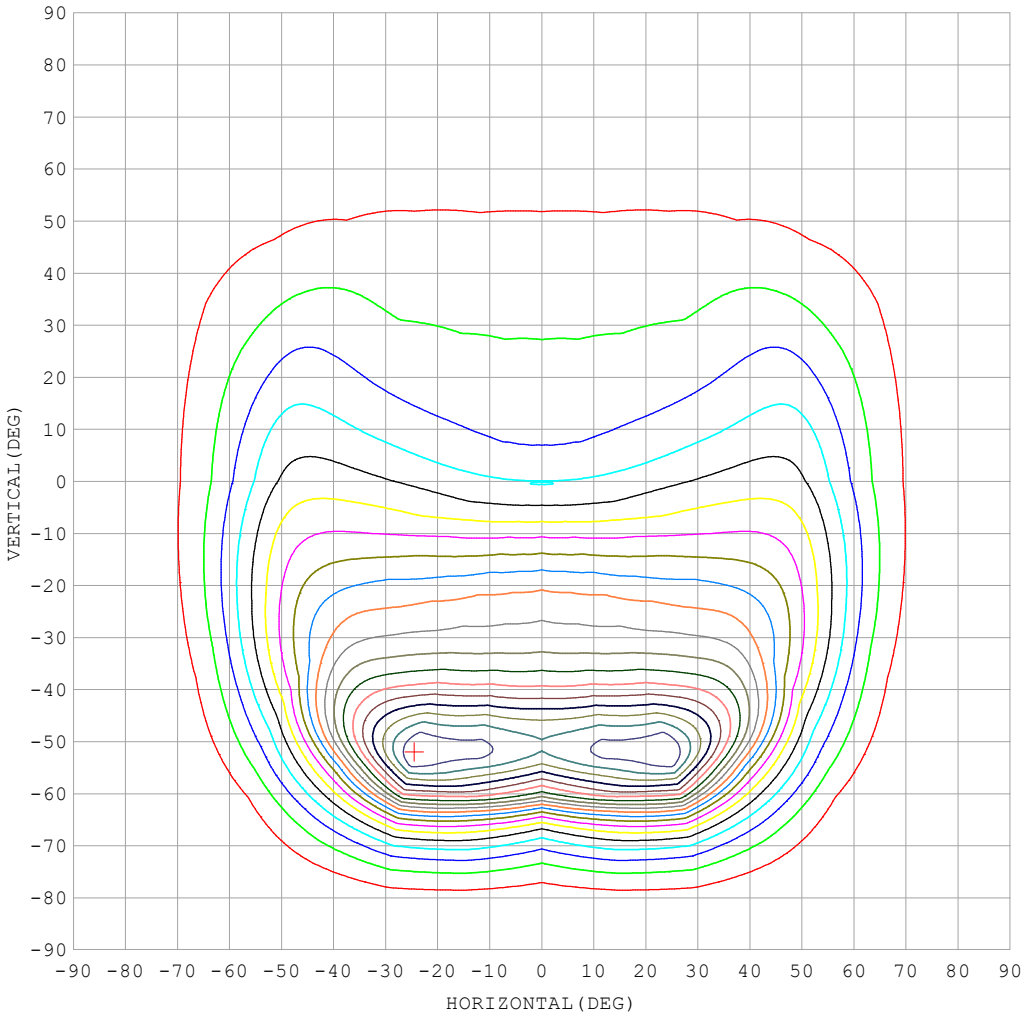
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	960.2	1328	1554	1328	960.2	696.7	641.5	696.7	0- 10	914.7	914.7	1.56,1.56
20	1055	1841	2250	1841	1055	612.3	516.0	612.3	10- 20	3203	4118	7.04,7.04
30	1165	2262	2635	2262	1165	538.1	437.7	538.1	20- 30	6047	10165	17.4,17.4
40	1254	2594	3278	2594	1254	462.1	347.7	462.1	30- 40	9132	19297	33,33
50	1173	3149	4146	3149	1173	372.2	246.0	372.2	40- 50	12930	32227	55.1,55.1
60	654.5	2809	2915	2809	654.5	221.3	158.5	221.3	50- 60	14864	47091	80.5,80.5
70	213.4	947.5	756.1	947.5	213.4	102.0	72.67	102.0	60- 70	8727	55818	95.4,95.4
80	50.84	141.0	108.7	141.0	50.84	25.63	16.02	25.63	70- 80	2432	58250	99.6,99.6
90	1.553	0.3690	0.4006	0.3690	1.553	9.976	11.01	9.976	80- 90	229.3	58479	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



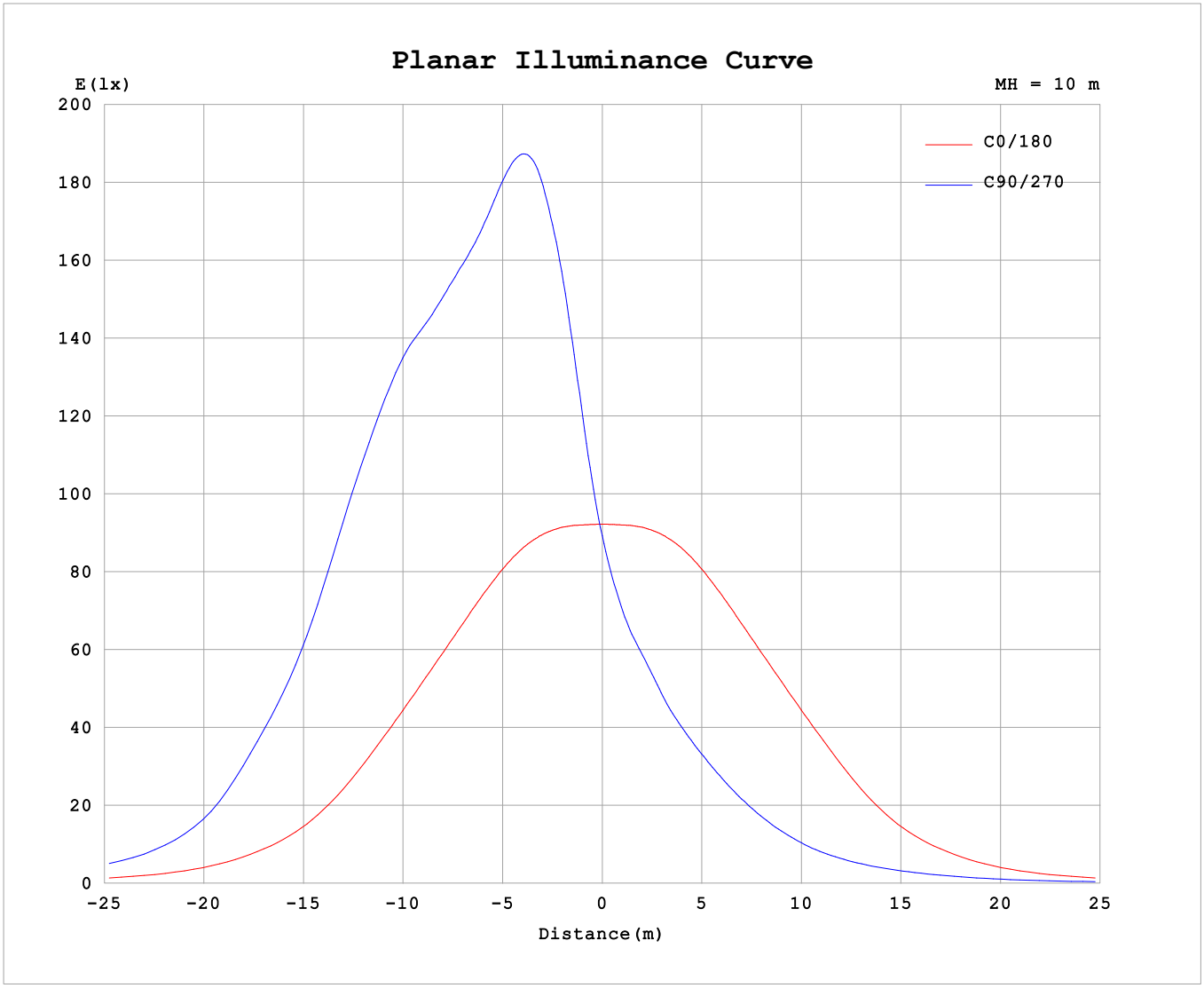
Imax:45965(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



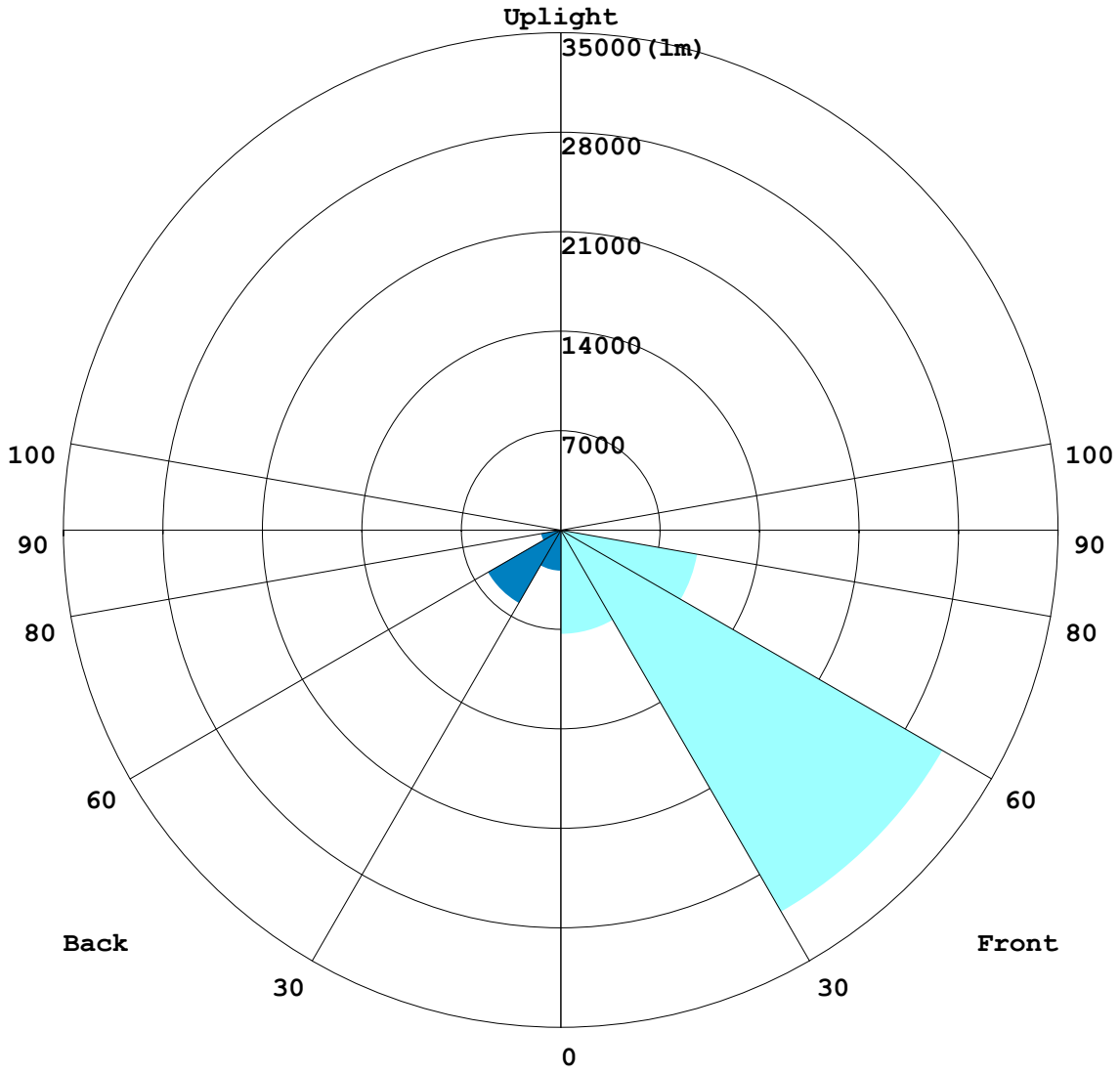
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:58479.2x1 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:58479.2x1 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)	7308.1	12.5
FM - Front-Medium(30-60)	31015	53.0
FH - Front-High(60-80)	9755.4	16.7
FVH - Front-Very High(80-90)	158.95	0.3
Total Forward Light	48238	82.5
BL - Back-Low(0-30)	2856.9	4.9
BM - Back-Medium(30-60)	5910.6	10.1
BH - Back-High(60-80)	1403.7	2.4
BVH - Back-Very High(80-90)	70.338	0.1
Total Back Light	10242	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	10242	0	10242
Street Side	48238	0	48238

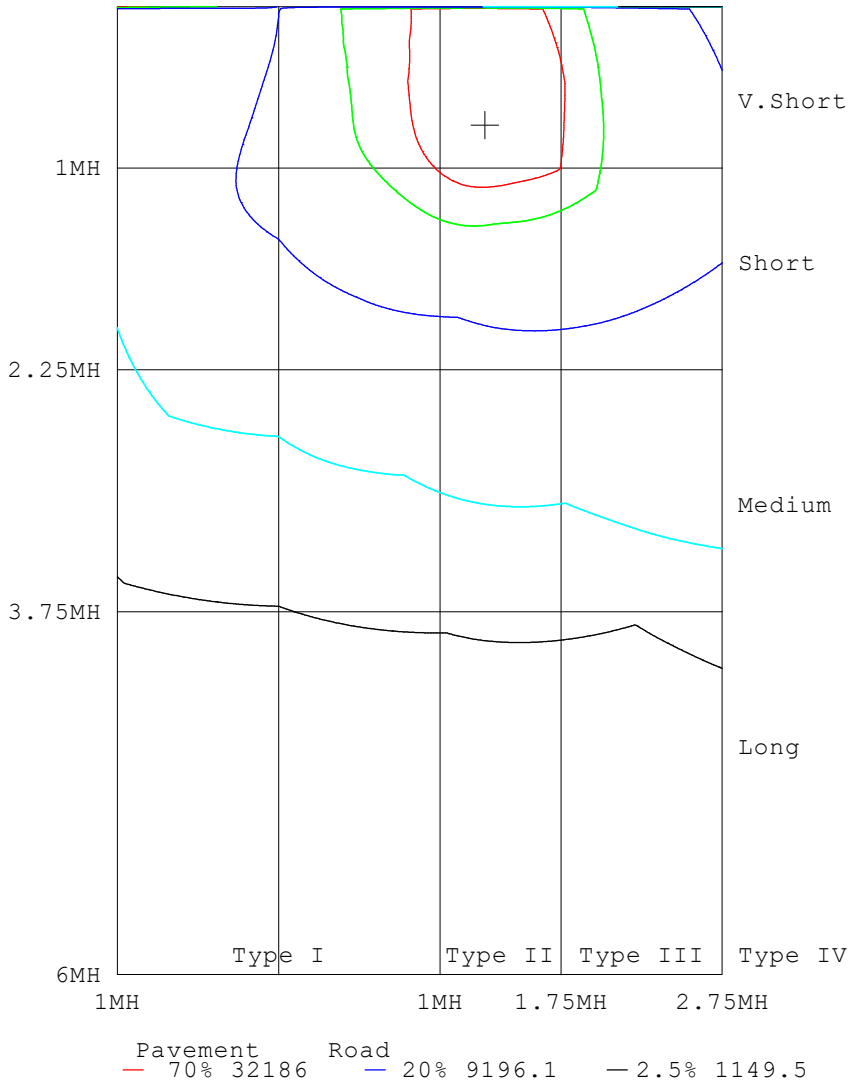
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:58479.2x1 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	922	892	893	891	892	890	893	890	892	891	893	892	922	892	893	891	892	890	893
5	932	959	1021	1077	1130	1158	1175	1158	1130	1077	1021	959	932	850	808	773	751	735	732
10	960	1050	1191	1328	1450	1515	1554	1515	1450	1328	1191	1050	960	831	754	697	663	645	641
15	1003	1157	1384	1596	1775	1872	1922	1872	1775	1596	1384	1157	1003	829	722	653	609	583	577
20	1055	1276	1584	1841	2070	2194	2250	2194	2070	1841	1584	1276	1055	839	707	612	554	523	516
25	1111	1398	1770	2069	2306	2419	2469	2419	2306	2069	1770	1398	1111	855	688	570	512	483	476
30	1165	1516	1936	2262	2483	2585	2635	2585	2483	2262	1936	1516	1165	871	665	538	475	444	438
35	1214	1622	2088	2423	2666	2824	2893	2824	2666	2423	2088	1622	1214	885	644	503	434	402	395
40	1254	1709	2216	2594	2976	3223	3278	3223	2976	2594	2216	1709	1254	905	631	462	390	356	348
45	1259	1751	2295	2843	3446	3801	3819	3801	3446	2843	2295	1751	1259	911	614	422	340	304	296
50	1173	1683	2258	3149	4096	4330	4146	4330	4096	3149	2258	1683	1173	860	571	372	288	253	246
55	934	1427	2009	3288	4582	4290	3799	4290	4582	3288	2009	1427	934	696	478	298	237	208	202
60	654	1058	1540	2809	4075	3535	2915	3535	4075	2809	1540	1058	654	496	342	221	186	164	159
65	387	658	998	1717	2742	2074	1487	2074	2742	1717	998	658	387	346	220	153	133	117	112
70	213	306	553	947	1335	1100	756	1100	1335	947	553	306	213	209	137	102	87.5	76.6	72.7
75	114	134	194	440	617	532	348	532	617	440	194	134	114	113	82.6	60.0	48.5	41.0	39.0
80	50.8	55.4	56.7	141	207	173	109	173	207	141	56.7	55.4	50.8	48.6	37.1	25.6	20.1	17.1	16.0
85	11.4	11.1	8.37	14.0	17.4	10.8	8.36	10.8	17.4	14.0	8.37	11.1	11.4	12.1	9.20	8.53	9.01	8.52	7.92
90	1.55	0.34	0.35	0.37	0.39	0.40	0.40	0.40	0.39	0.37	0.35	0.34	1.55	4.09	6.62	9.98	12.1	11.8	11.0

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	890	892	891	893	892														
5	735	751	773	808	850														
10	645	663	697	754	831														
15	583	609	653	722	829														
20	523	554	612	707	839														
25	483	512	570	688	855														
30	444	475	538	665	871														
35	402	434	503	644	885														
40	356	390	462	631	905														
45	304	340	422	614	911														
50	253	288	372	571	860														
55	208	237	298	478	696														
60	164	186	221	342	496														
65	117	133	153	220	346														
70	76.6	87.5	102	137	209														
75	41.0	48.5	60.0	82.6	113														
80	17.1	20.1	25.6	37.1	48.6														
85	8.52	9.01	8.53	9.20	12.1														
90	11.8	12.1	9.98	6.62	4.09														

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: