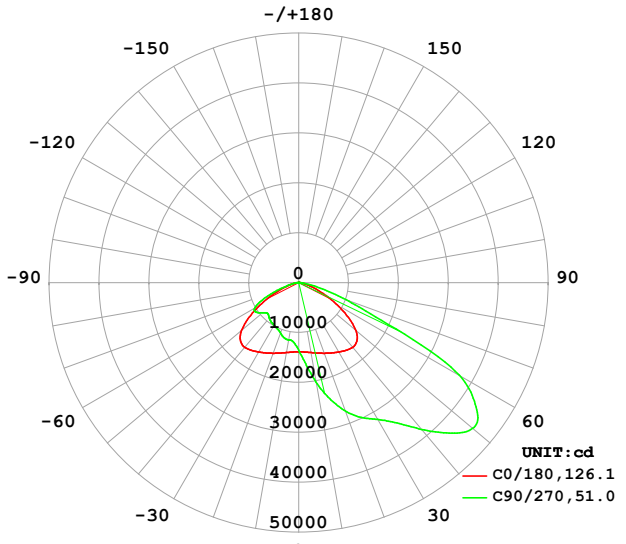
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:79197.6x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

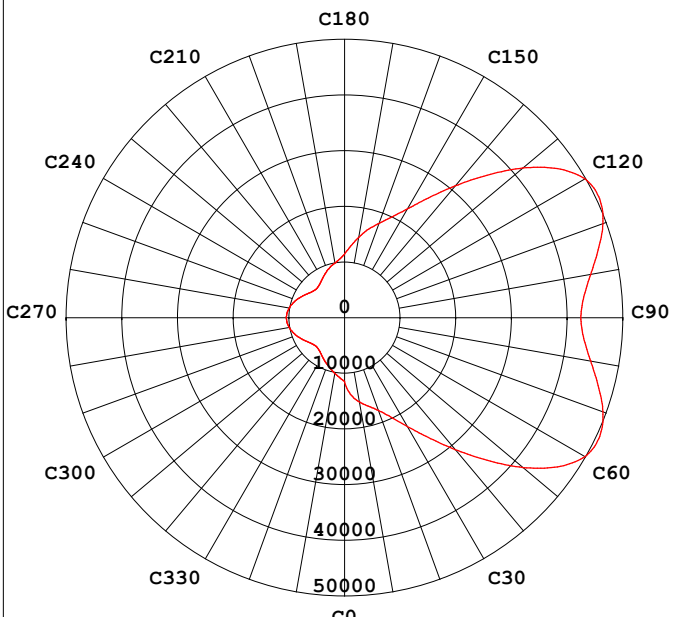
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 160.61 lm/W	
MODEL	/	Imax(cd)	49896	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	79198	η house_up(%)	0.0
NOMINAL FLUX(lm)	79197.6	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

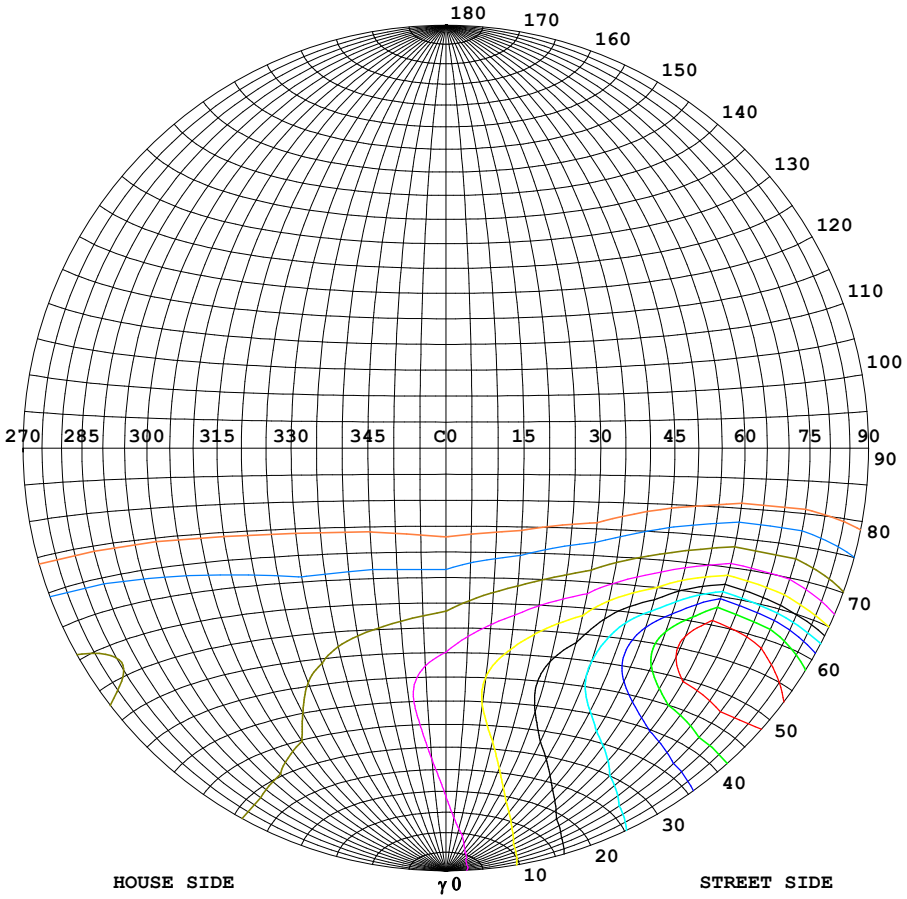


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

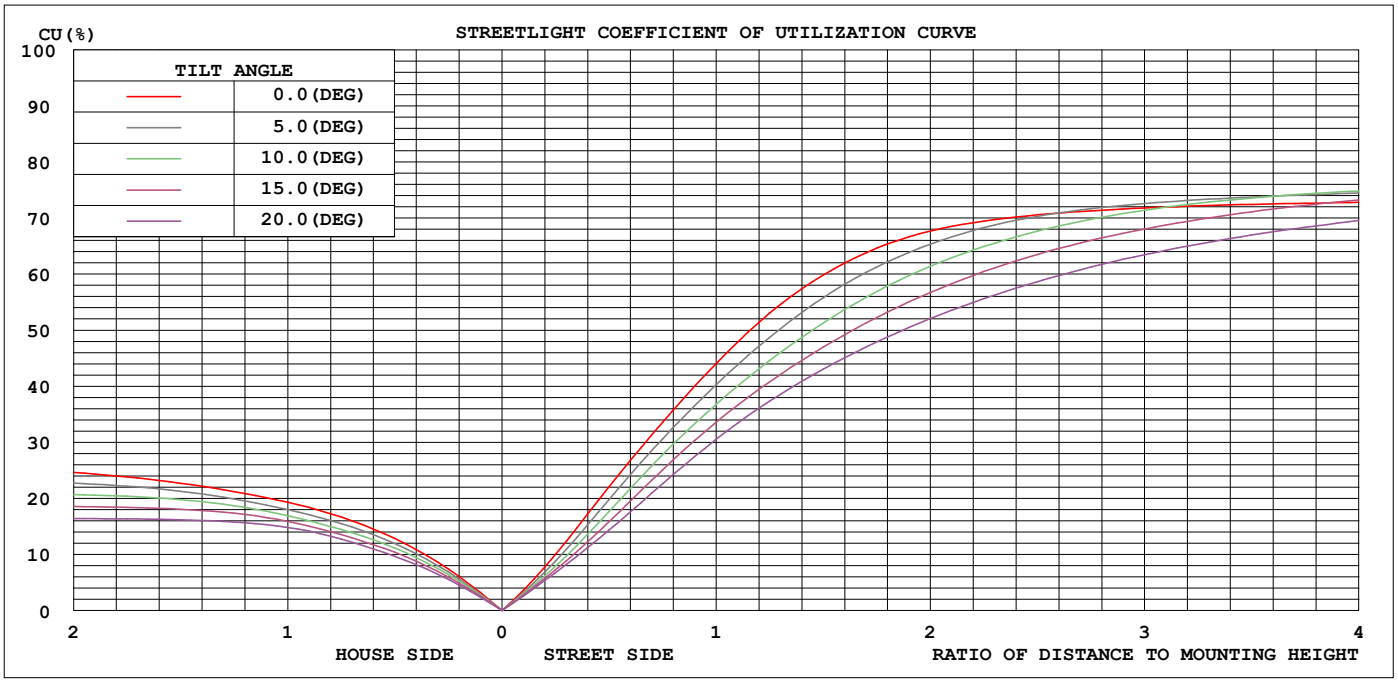
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

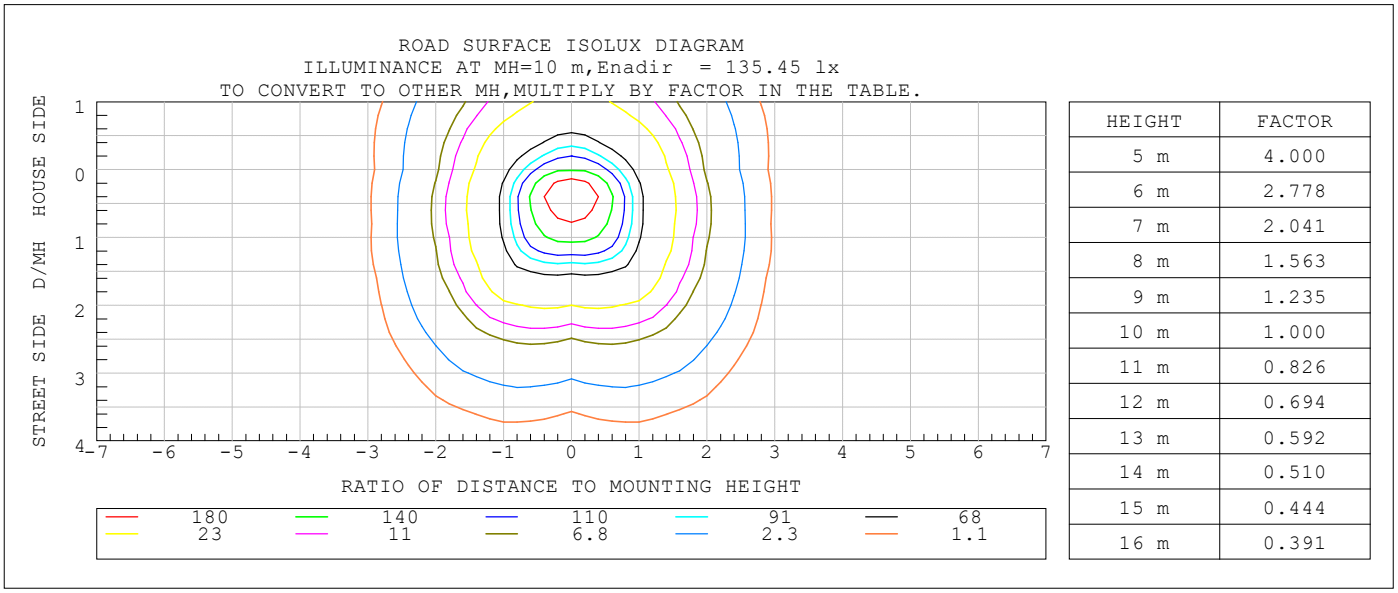
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	49896
90%	44906
80%	39916
70%	34927
60%	29937
50%	24948
40%	19958
30%	14969
20%	9979
10%	4990
5%	2495

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:

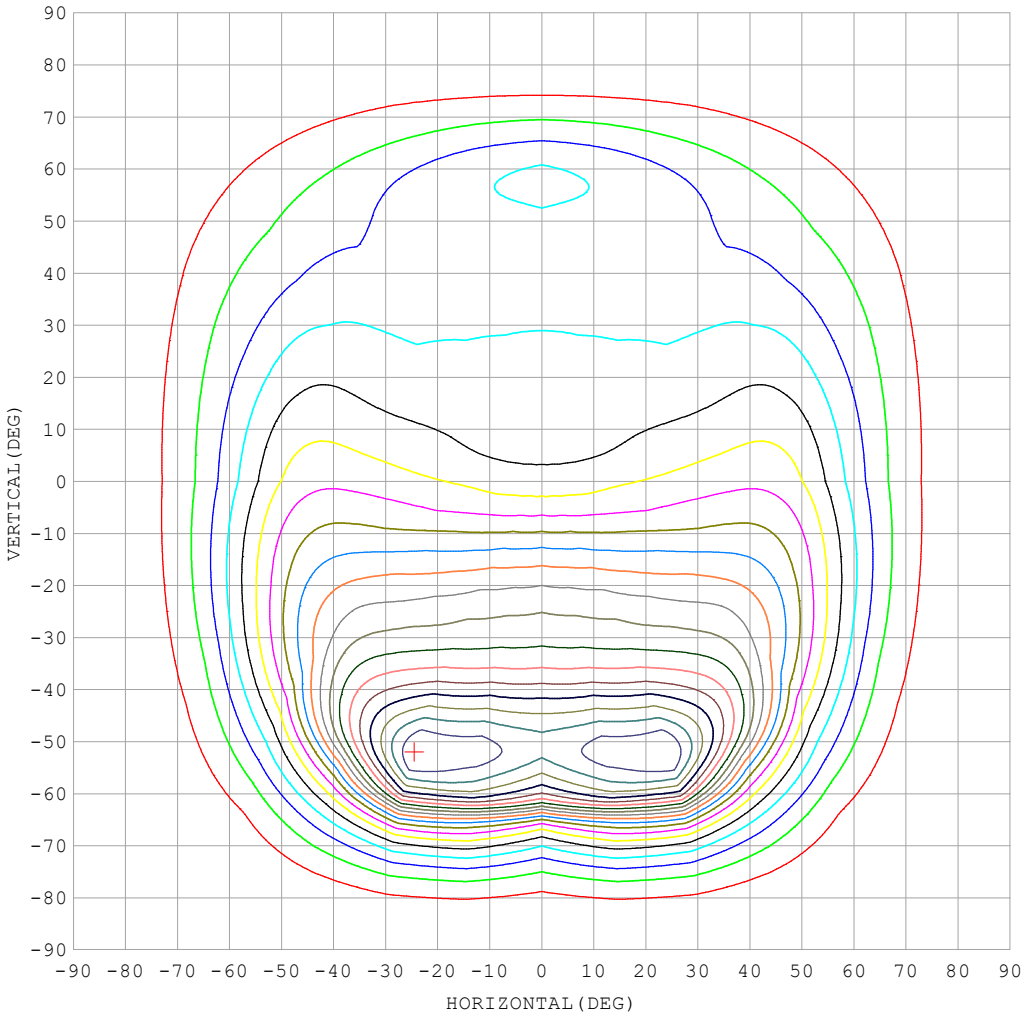
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1423	1779	2024	1779	1423	1182	1167	1182	0- 10	1360	1360	1.72,1.72
20	1508	2319	2739	2319	1508	1152	1075	1152	10- 20	4597	5957	7.52,7.52
30	1607	2745	3168	2745	1607	1041	990.4	1041	20- 30	8335	14292	18,18
40	1690	3114	3843	3114	1690	948.7	923.9	948.7	30- 40	12272	26563	33.5,33.5
50	1499	3630	4547	3630	1499	825.7	943.2	825.7	40- 50	16618	43181	54.5,54.5
60	891.5	3116	3717	3116	891.5	669.9	1021	669.9	50- 60	18909	62090	78.4,78.4
70	350.1	1164	1012	1164	350.1	400.3	465.1	400.3	60- 70	12572	74661	94.3,94.3
80	88.63	212.0	191.3	212.0	88.63	102.2	88.69	102.2	70- 80	4036	78697	99.4,99.4
90	2.412	0.6435	0.7198	0.6435	2.412	12.30	14.33	12.30	80- 90	500.6	79198	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



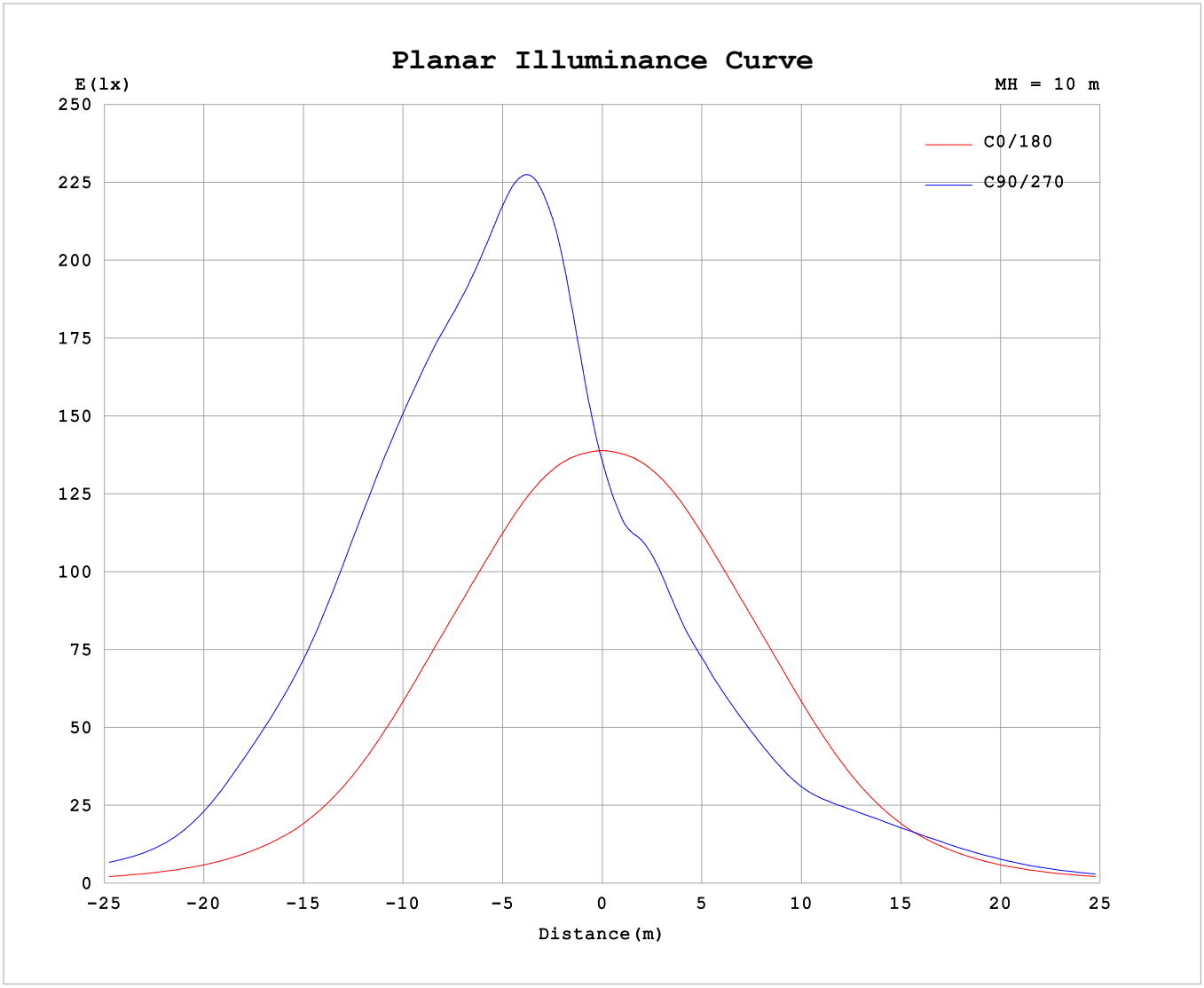
Imax:49851(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



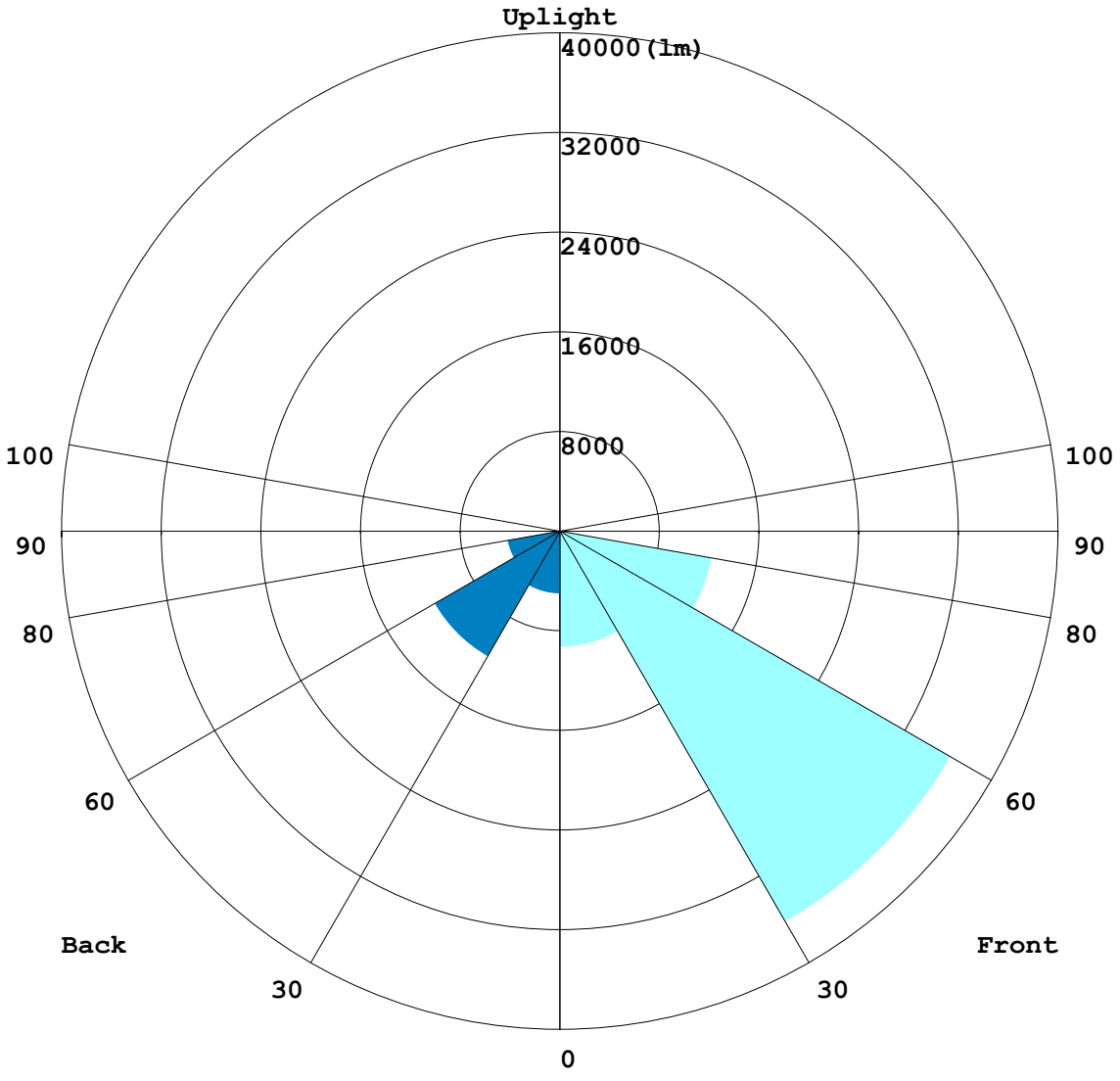
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2.1864A P:493.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:79197.6x1 lm		
NAME: FL72-500(500W)-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:2.1864A P:493.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:79197.6x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	9294.9	11.7
FM - Front-Medium(30-60)	36196	45.7
FH - Front-High(60-80)	12355	15.6
FVH - Front-Very High(80-90)	310.25	0.4
Total Forward Light	58156	73.4
BL - Back-Low(0-30)	4996.7	6.3
BM - Back-Medium(30-60)	11602	14.6
BH - Back-High(60-80)	4252.3	5.4
BVH - Back-Very High(80-90)	190.34	0.2
Total Back Light	21042	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	B5-U0-G5

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21042	0	21042
Street Side	58156	0	58156

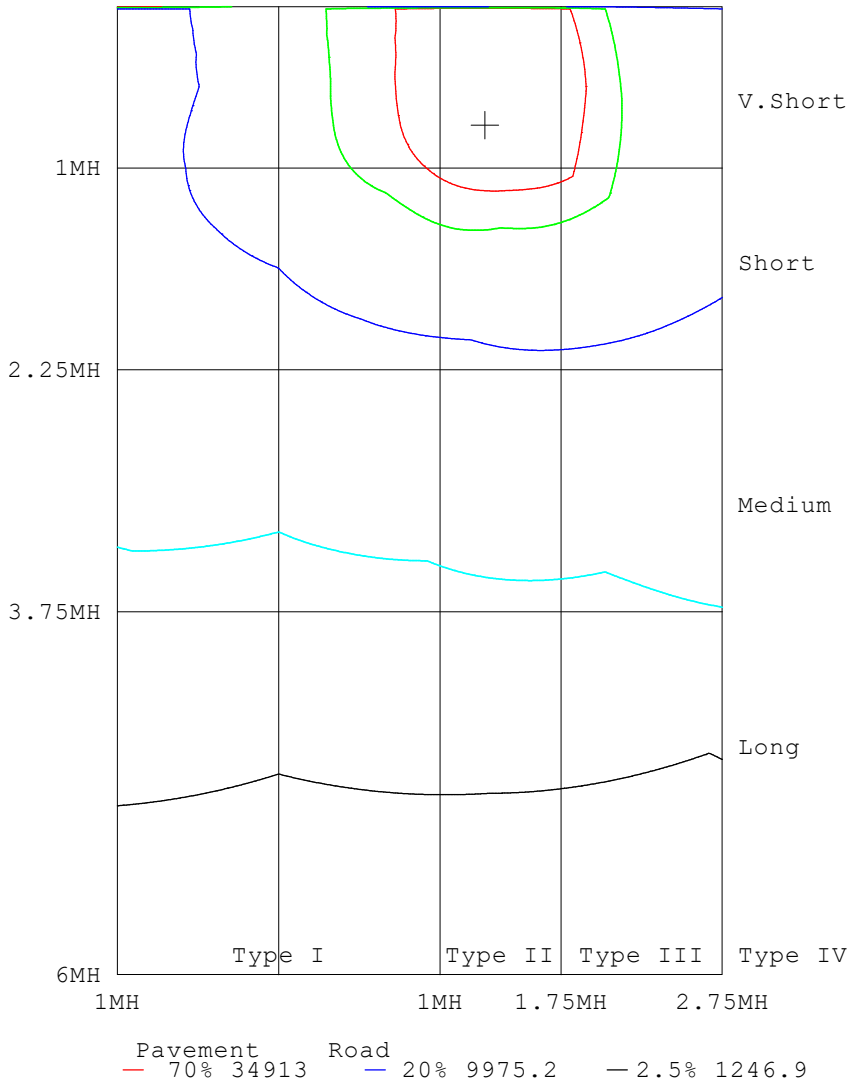
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2.1864A P:493.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:79197.6x1 lm		
NAME: FL72-500(500W)-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	1389	1356	1356	1354	1356	1352	1356	1352	1356	1354	1356	1356	1389	1356	1356	1354	1356	1352	1356
5	1397	1420	1482	1530	1589	1610	1634	1610	1589	1530	1482	1420	1397	1314	1272	1239	1218	1203	1202
10	1423	1509	1647	1779	1914	1982	2024	1982	1914	1779	1647	1509	1423	1295	1224	1182	1168	1165	1167
15	1462	1612	1838	2061	2256	2355	2406	2355	2256	2061	1838	1612	1462	1293	1212	1182	1161	1148	1146
20	1508	1723	2040	2319	2551	2680	2739	2680	2551	2319	2040	1723	1508	1304	1219	1152	1107	1080	1075
25	1557	1839	2229	2546	2800	2927	2982	2927	2800	2546	2229	1839	1557	1323	1196	1092	1041	1022	1022
30	1607	1957	2403	2745	2993	3118	3168	3118	2993	2745	2403	1957	1607	1336	1154	1041	1000	988	990
35	1657	2070	2566	2922	3188	3366	3433	3366	3188	2922	2566	2070	1657	1342	1121	996	960	957	964
40	1690	2158	2701	3114	3513	3779	3843	3779	3513	3114	2701	2158	1690	1354	1096	949	914	917	924
45	1653	2168	2759	3368	3994	4274	4265	4274	3994	3368	2759	2168	1653	1327	1061	893	853	864	880
50	1499	2035	2667	3630	4541	4740	4547	4740	4541	3630	2667	2035	1499	1218	976	826	798	893	943
55	1213	1723	2349	3671	4972	4788	4340	4788	4972	3671	2349	1723	1213	1008	839	744	820	970	1038
60	892	1307	1822	3116	4621	4314	3717	4314	4621	3116	1822	1307	892	765	678	670	806	937	1021
65	579	865	1232	1999	3330	2708	1987	2708	3330	1999	1232	865	579	565	526	573	649	720	773
70	350	461	730	1164	1635	1456	1012	1456	1635	1164	730	461	350	378	379	400	421	448	465
75	195	226	312	576	792	742	502	742	792	576	312	226	195	223	224	227	229	220	217
80	88.6	97.6	108	212	301	291	191	291	301	212	108	97.6	88.6	103	100	102	99.6	94.2	88.7
85	19.8	21.0	20.5	34.8	59.6	57.9	37.7	57.9	59.6	34.8	20.5	21.0	19.8	24.4	24.8	25.5	26.3	24.4	23.8
90	2.41	0.55	0.58	0.64	0.69	0.70	0.72	0.70	0.69	0.64	0.58	0.55	2.41	5.68	8.46	12.3	14.9	15.0	14.3

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	1352	1356	1354	1356	1356														
5	1203	1218	1239	1272	1314														
10	1165	1168	1182	1224	1295														
15	1148	1161	1182	1212	1293														
20	1080	1107	1152	1219	1304														
25	1022	1041	1092	1196	1323														
30	988	1000	1041	1154	1336														
35	957	960	996	1121	1342														
40	917	914	949	1096	1354														
45	864	853	893	1061	1327														
50	893	798	826	976	1218														
55	970	820	744	839	1008														
60	937	806	670	678	765														
65	720	649	573	526	565														
70	448	421	400	379	378														
75	220	229	227	224	223														
80	94.2	99.6	102	100	103														
85	24.4	26.3	25.5	24.8	24.4														
90	15.0	14.9	12.3	8.46	5.68														

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: