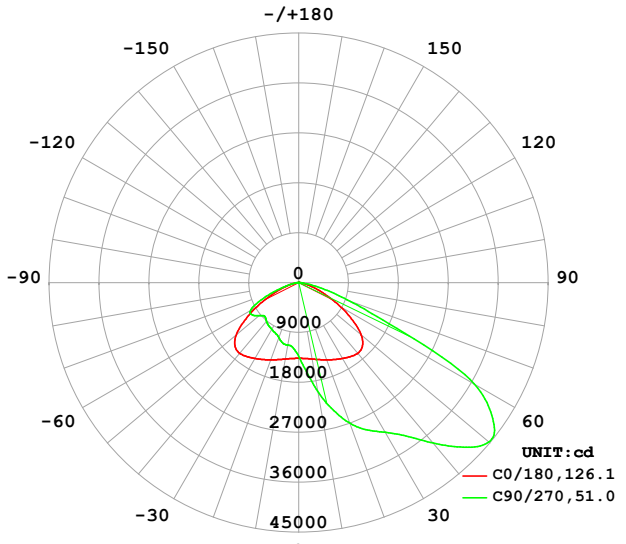
STREETLIGHT PHOTOMETRIC TEST REPORT

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:77908.9x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

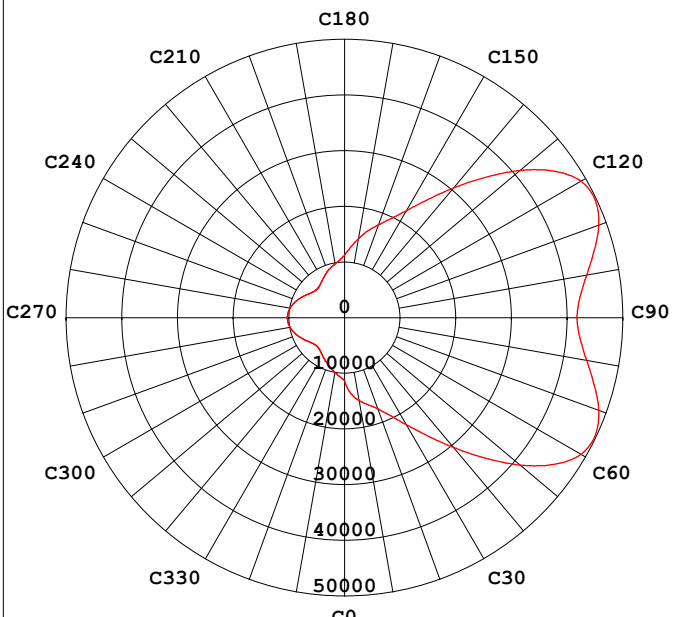
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 158.00 lm/W	
MODEL	/	Imax(cd)	49084	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	77909	η house_up(%)	0.0
NOMINAL FLUX(lm)	77908.9	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

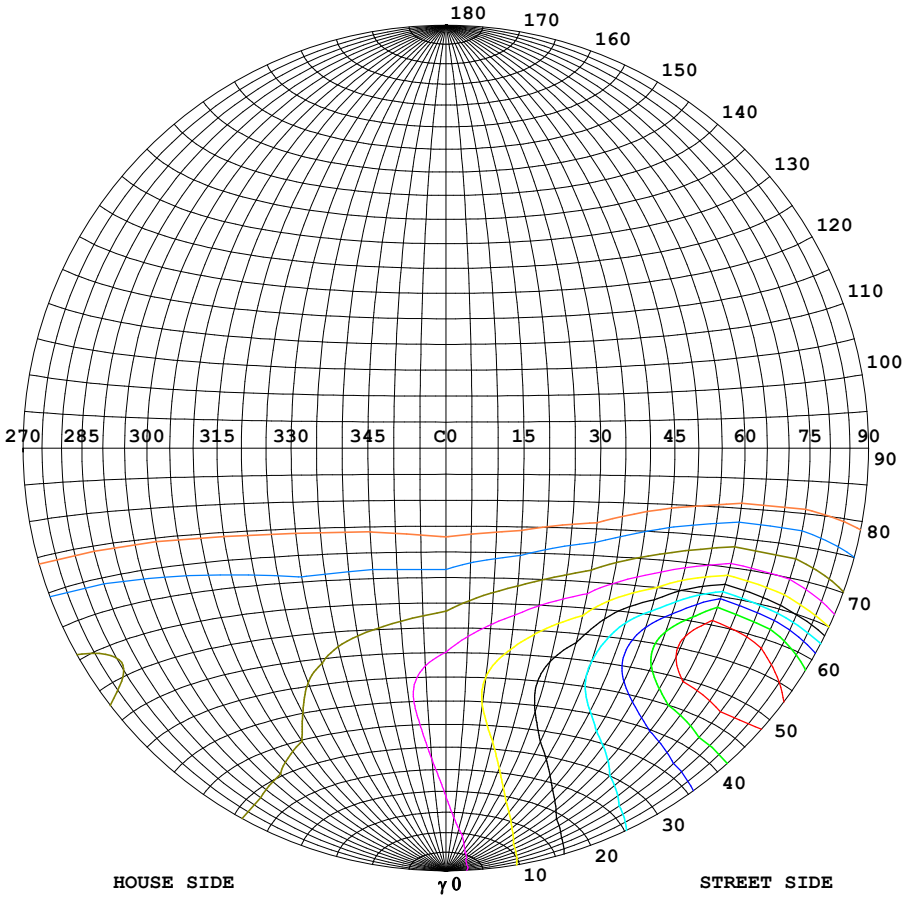


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

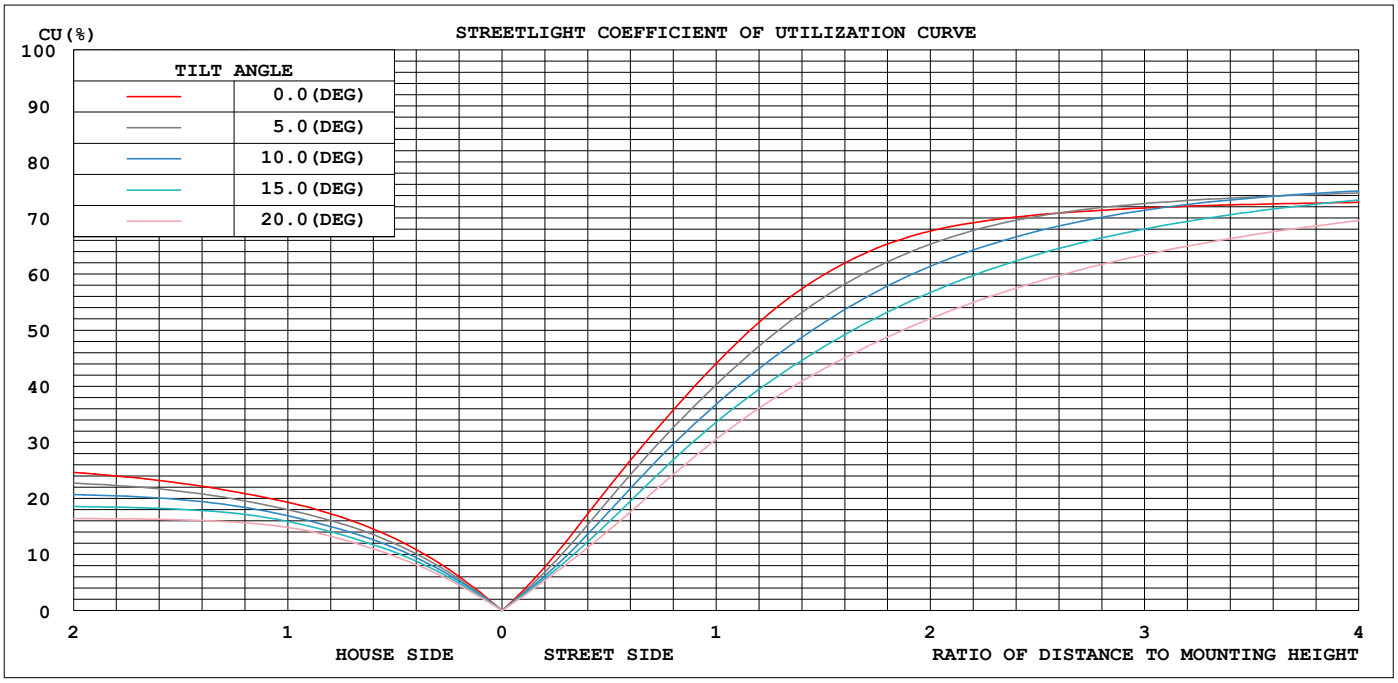
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

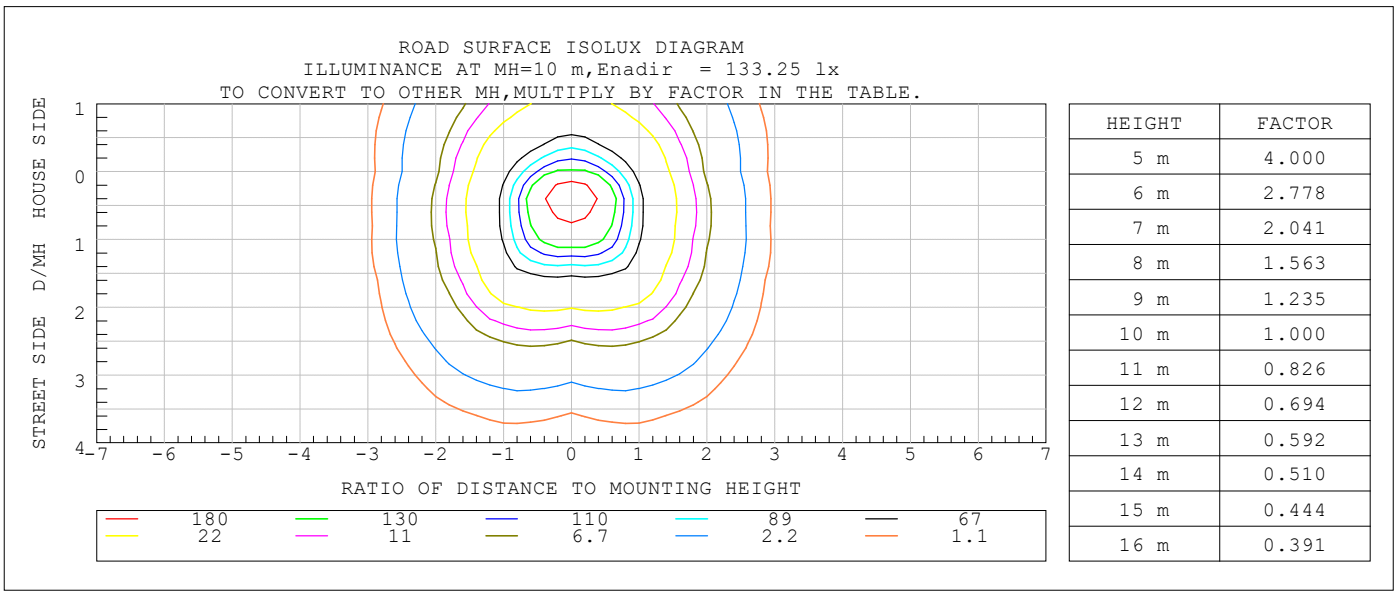
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	49084
90%	44175
80%	39267
70%	34359
60%	29450
50%	24542
40%	19633
30%	14725
20%	9817
10%	4908
5%	2454

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:

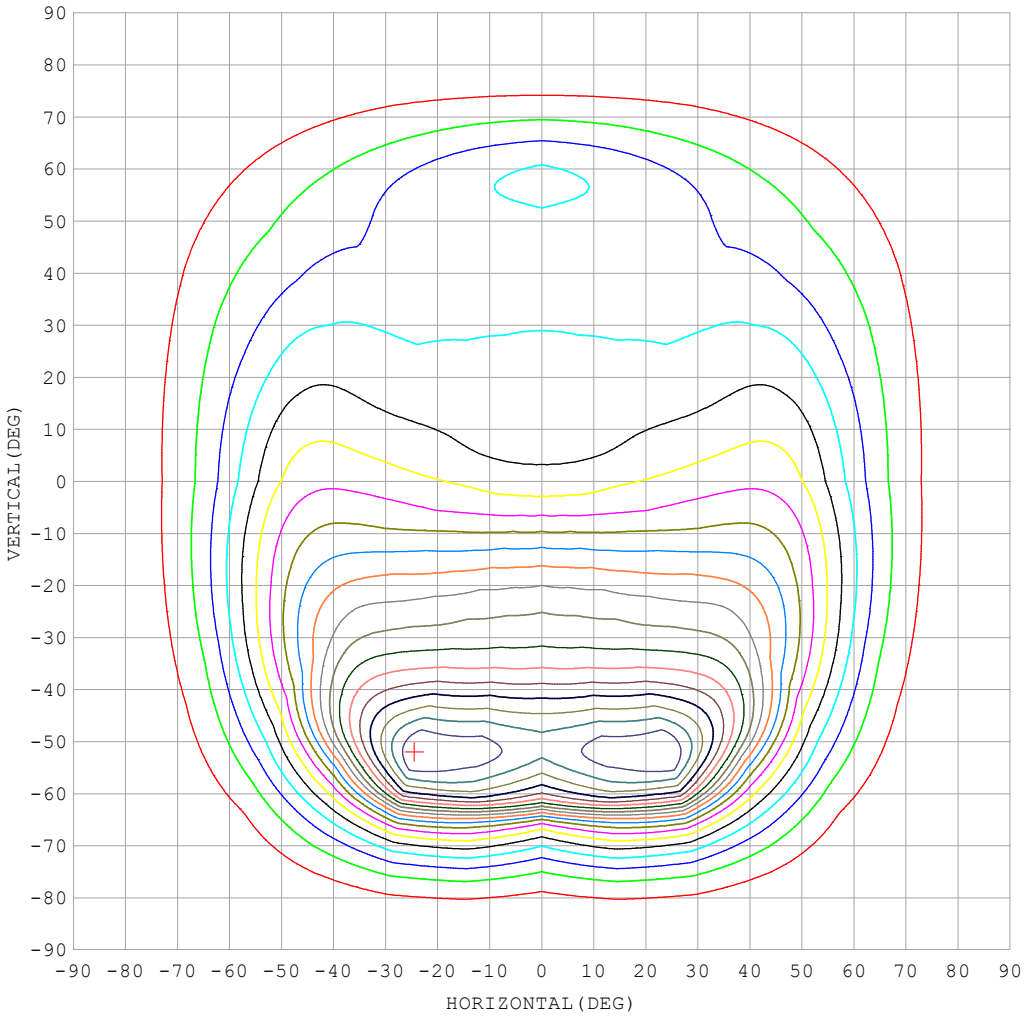
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1400	1750	1991	1750	1400	1163	1148	1163	0- 10	1338	1338	1.72,1.72
20	1483	2281	2695	2281	1483	1133	1057	1133	10- 20	4522	5860	7.52,7.52
30	1581	2700	3116	2700	1581	1024	974.3	1024	20- 30	8199	14059	18,18
40	1663	3064	3780	3064	1663	933.3	908.8	933.3	30- 40	12072	26131	33.5,33.5
50	1474	3571	4473	3571	1474	812.3	927.8	812.3	40- 50	16347	42478	54.5,54.5
60	877.0	3065	3656	3065	877.0	659.0	1004	659.0	50- 60	18601	61079	78.4,78.4
70	344.4	1145	995.3	1145	344.4	393.8	457.6	393.8	60- 70	12367	73446	94.3,94.3
80	87.19	208.6	188.2	208.6	87.19	100.6	87.24	100.6	70- 80	3970	77416	99.4,99.4
90	2.373	0.6331	0.7081	0.6331	2.373	12.10	14.10	12.10	80- 90	492.4	77909	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



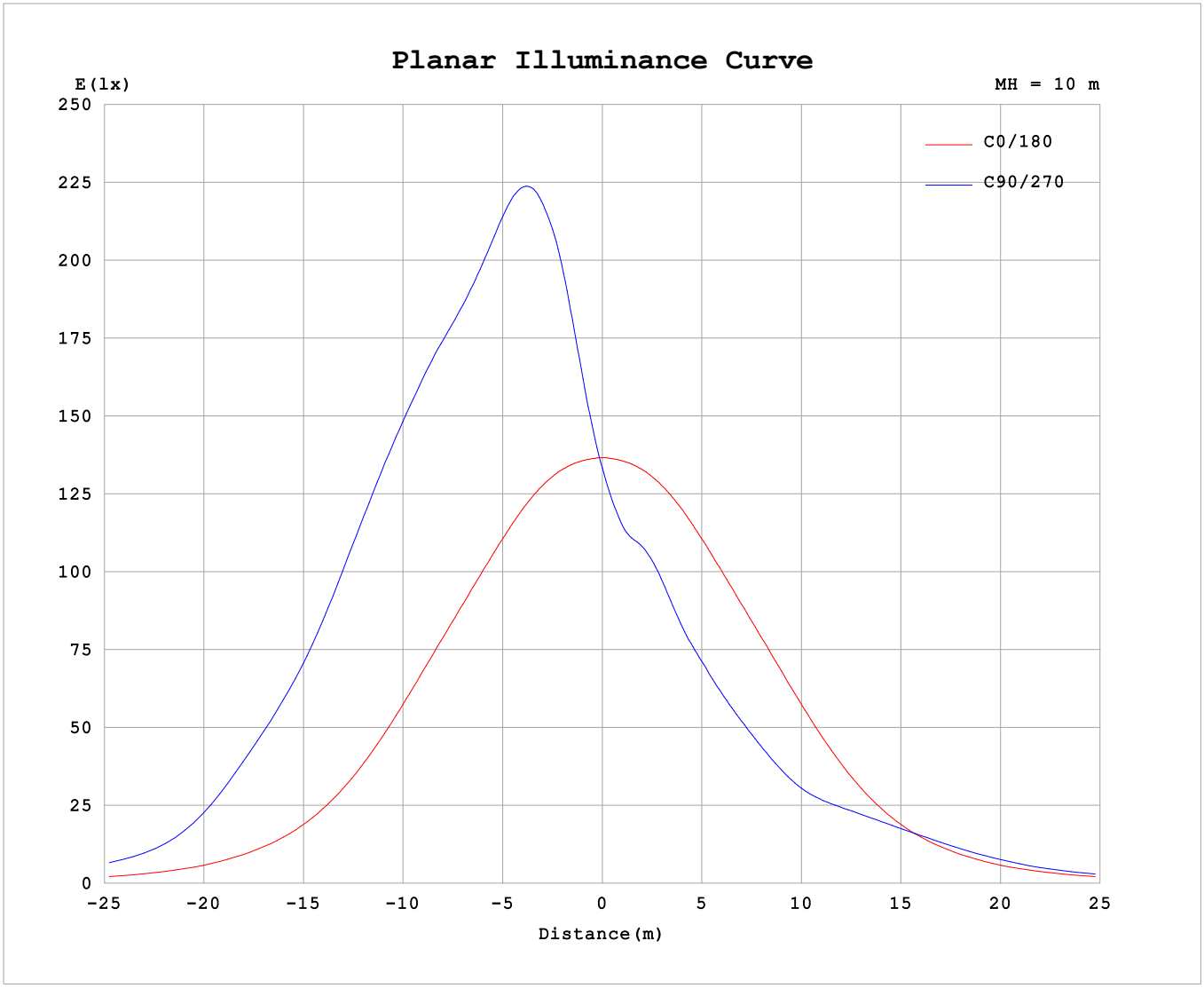
Imax:49040(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



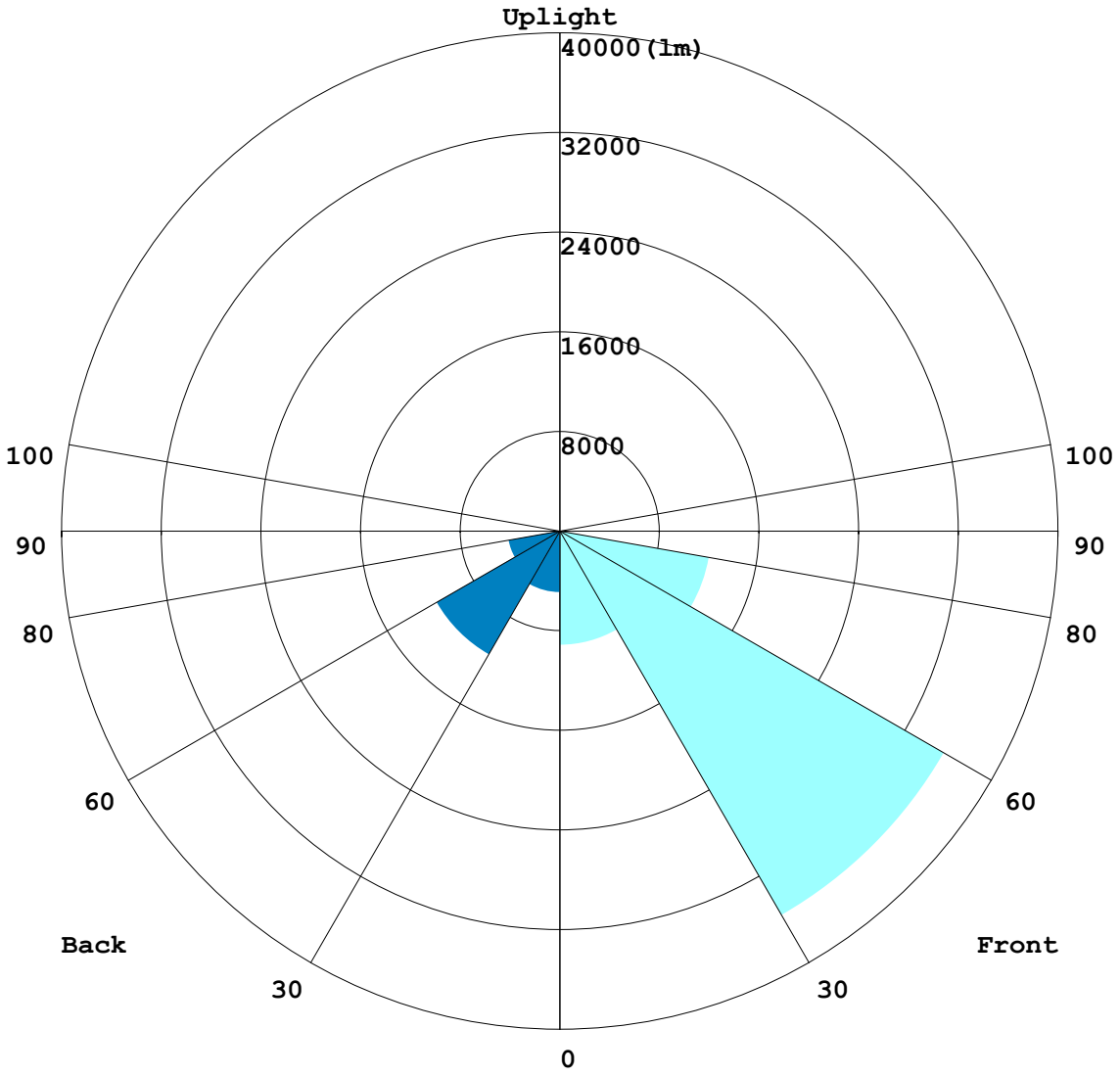
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:77908.9x1 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:77908.9x1 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)	9143.6	11.7
FM - Front-Medium(30-60)	35607	45.7
FH - Front-High(60-80)	12154	15.6
FVH - Front-Very High(80-90)	305.2	0.4
Total Forward Light	57210	73.4
BL - Back-Low(0-30)	4915.4	6.3
BM - Back-Medium(30-60)	11414	14.6
BH - Back-High(60-80)	4183.1	5.4
BVH - Back-Very High(80-90)	187.24	0.2
Total Back Light	20699	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	20699	0	20699
Street Side	57210	0	57210

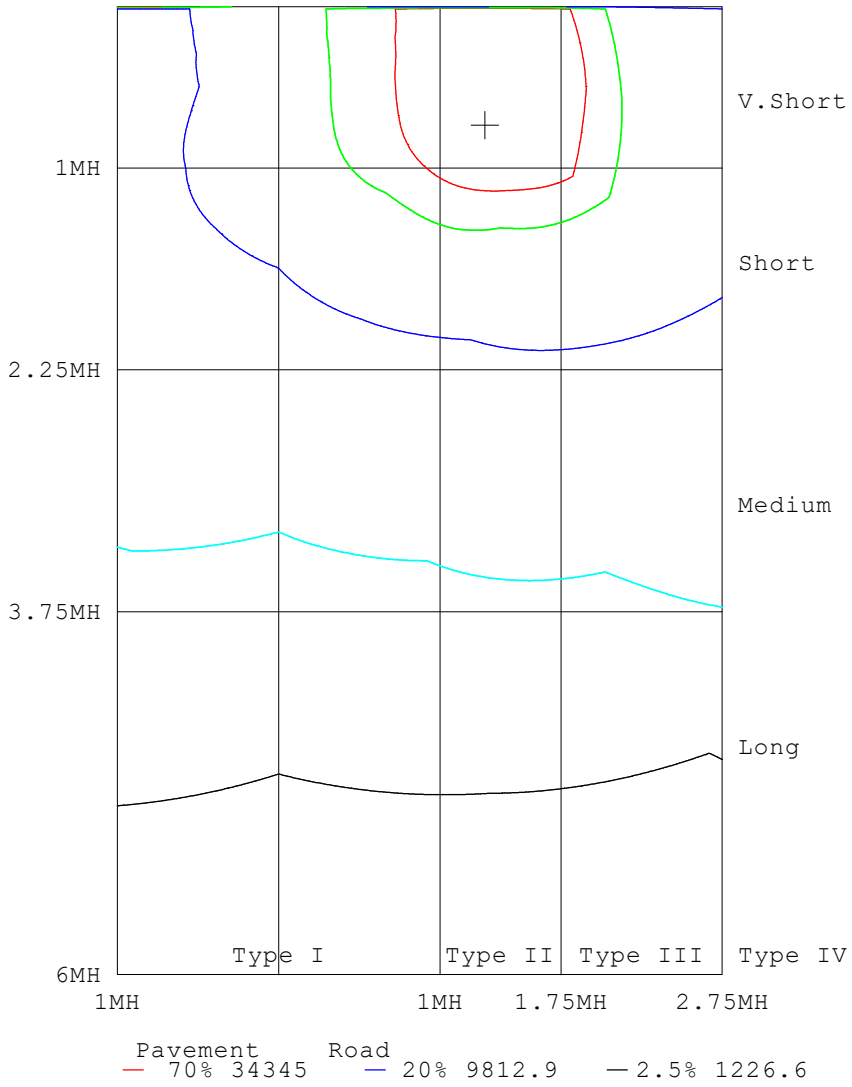
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:77908.9x1 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	1367	1334	1334	1332	1334	1330	1334	1330	1334	1332	1334	1334	1367	1334	1334	1332	1334	1330	1334
5	1374	1397	1457	1505	1563	1584	1607	1584	1563	1505	1457	1397	1374	1292	1252	1219	1198	1184	1182
10	1400	1484	1620	1750	1883	1950	1991	1950	1883	1750	1620	1484	1400	1274	1204	1163	1149	1147	1148
15	1438	1585	1808	2027	2219	2317	2367	2317	2219	2027	1808	1585	1438	1272	1193	1163	1142	1129	1128
20	1483	1695	2007	2281	2510	2636	2695	2636	2510	2281	2007	1695	1483	1282	1199	1133	1089	1062	1057
25	1531	1809	2193	2504	2754	2880	2934	2880	2754	2504	2193	1809	1531	1301	1176	1074	1024	1005	1006
30	1581	1925	2364	2700	2944	3067	3116	3067	2944	2700	2364	1925	1581	1314	1135	1024	984	972	974
35	1630	2036	2524	2874	3136	3311	3378	3311	3136	2874	2524	2036	1630	1321	1103	979	944	942	948
40	1663	2123	2657	3064	3455	3718	3780	3718	3455	3064	2657	2123	1663	1332	1078	933	899	902	909
45	1626	2132	2714	3313	3929	4204	4195	4204	3929	3313	2714	2132	1626	1306	1044	879	840	849	865
50	1474	2002	2624	3571	4467	4662	4473	4662	4467	3571	2624	2002	1474	1198	960	812	785	879	928
55	1194	1695	2311	3611	4891	4710	4269	4710	4891	3611	2311	1695	1194	992	825	732	807	954	1021
60	877	1286	1792	3065	4546	4244	3656	4244	4546	3065	1792	1286	877	752	667	659	793	921	1004
65	570	851	1212	1967	3276	2664	1955	2664	3276	1967	1212	851	570	556	518	564	639	709	761
70	344	454	718	1145	1609	1432	995	1432	1609	1145	718	454	344	372	373	394	415	441	458
75	192	222	307	567	779	730	494	730	779	567	307	222	192	219	221	224	225	216	213
80	87.2	96.1	106	209	296	287	188	287	296	209	106	96.1	87.2	101	98.8	101	98.0	92.7	87.2
85	19.5	20.7	20.2	34.3	58.6	56.9	37.1	56.9	58.6	34.3	20.2	20.7	19.5	24.0	24.3	25.1	25.9	24.0	23.5
90	2.37	0.54	0.57	0.63	0.68	0.69	0.71	0.69	0.68	0.63	0.57	0.54	2.37	5.59	8.32	12.1	14.7	14.8	14.1

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	1330	1334	1332	1334	1334														
5	1184	1198	1219	1252	1292														
10	1147	1149	1163	1204	1274														
15	1129	1142	1163	1193	1272														
20	1062	1089	1133	1199	1282														
25	1005	1024	1074	1176	1301														
30	972	984	1024	1135	1314														
35	942	944	979	1103	1321														
40	902	899	933	1078	1332														
45	849	840	879	1044	1306														
50	879	785	812	960	1198														
55	954	807	732	825	992														
60	921	793	659	667	752														
65	709	639	564	518	556														
70	441	415	394	373	372														
75	216	225	224	221	219														
80	92.7	98.0	101	98.8	101														
85	24.0	25.9	25.1	24.3	24.0														
90	14.8	14.7	12.1	8.32	5.59														

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: