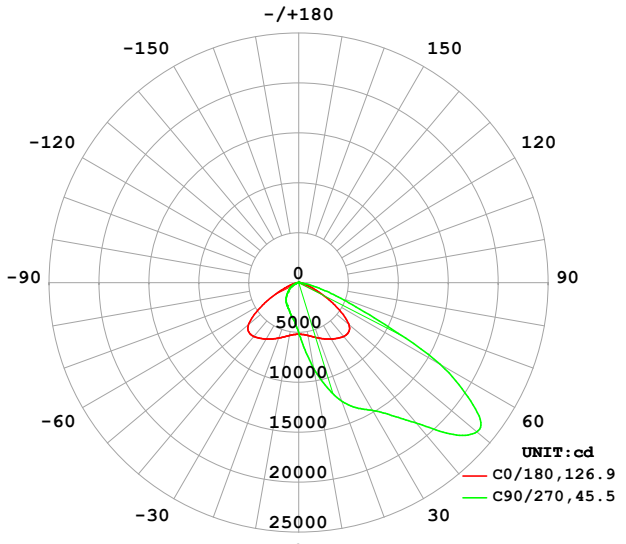
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32826.4x1 lm		
NAME: FL72-500(250W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

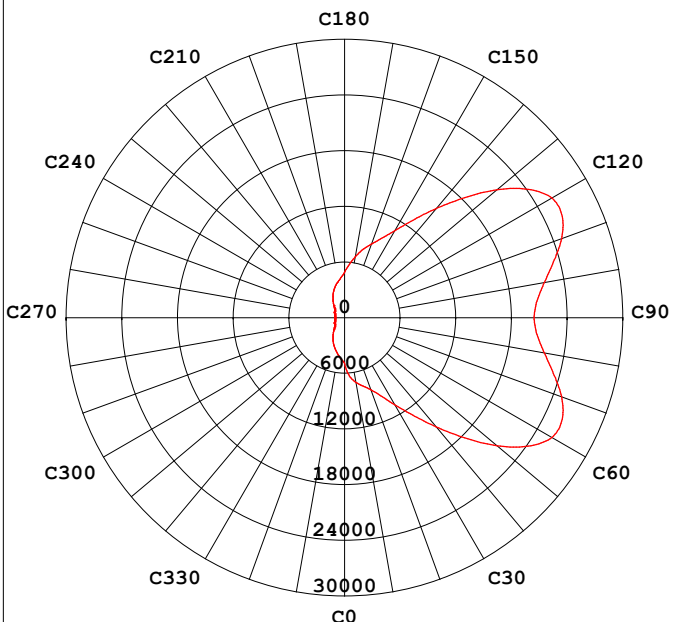
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 133.93 lm/W	
MODEL	/	Imax(cd)	25826	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	32826	η house_up(%)	0.0
NOMINAL FLUX(lm)	32826.4	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

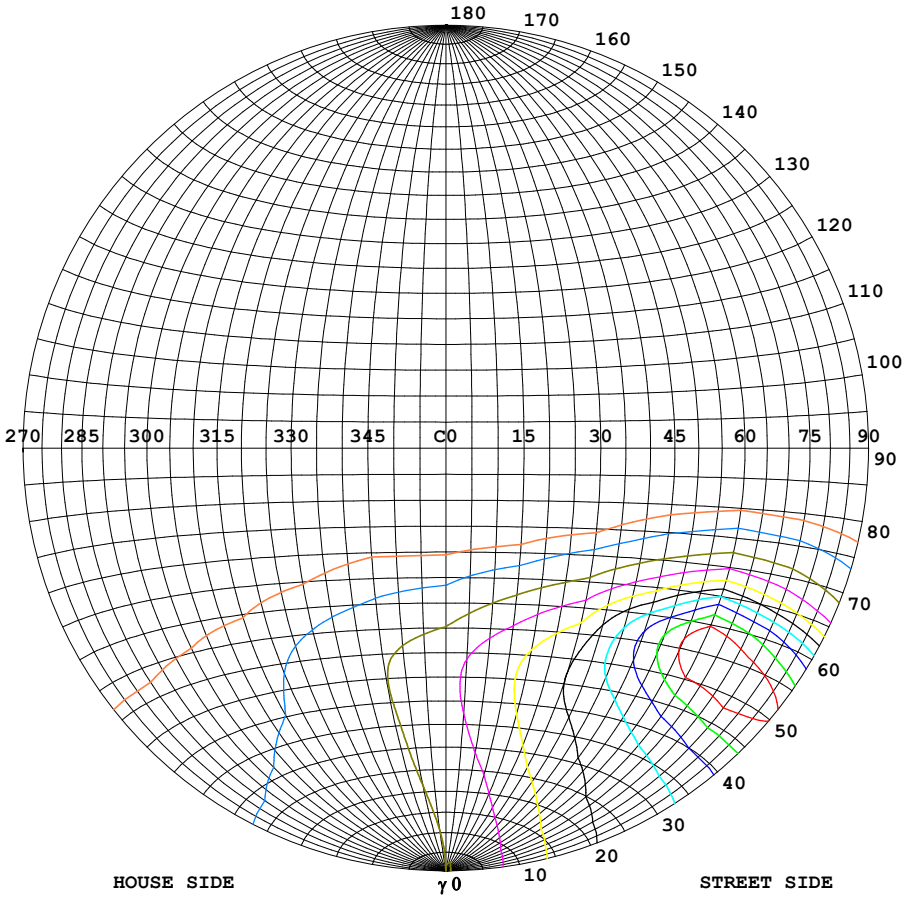


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

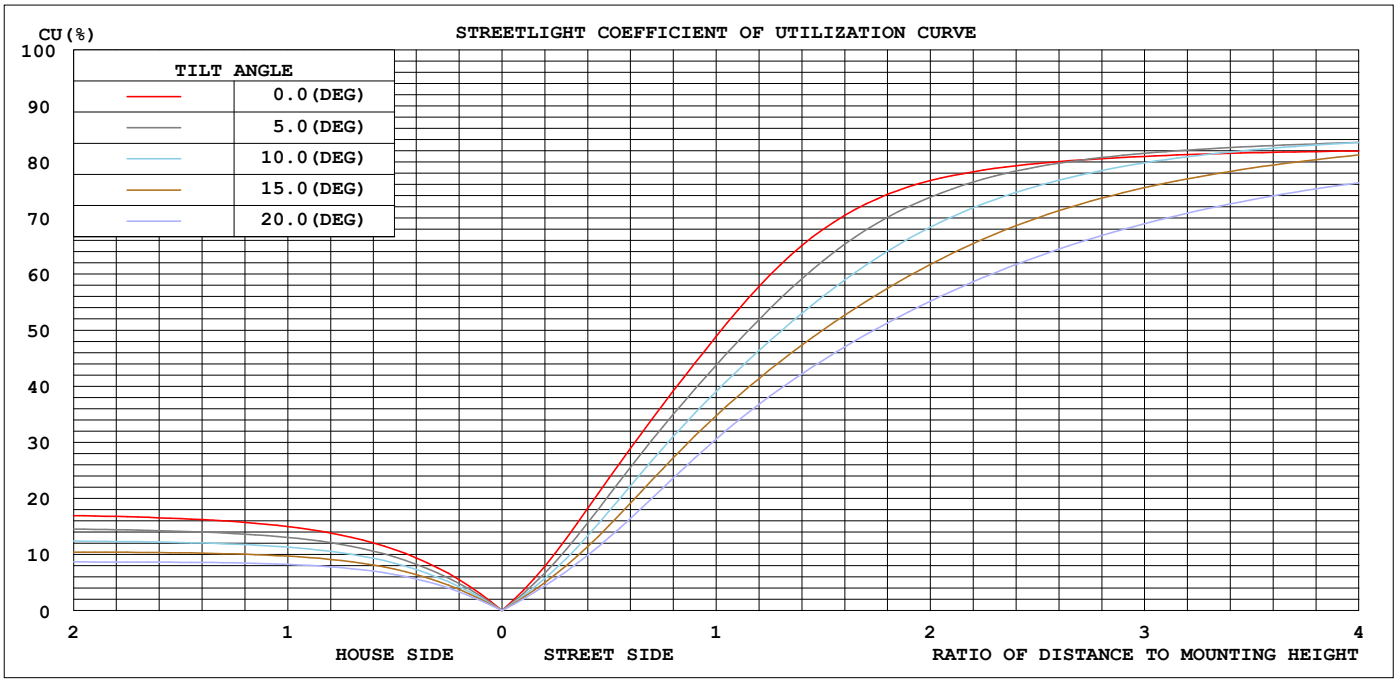
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

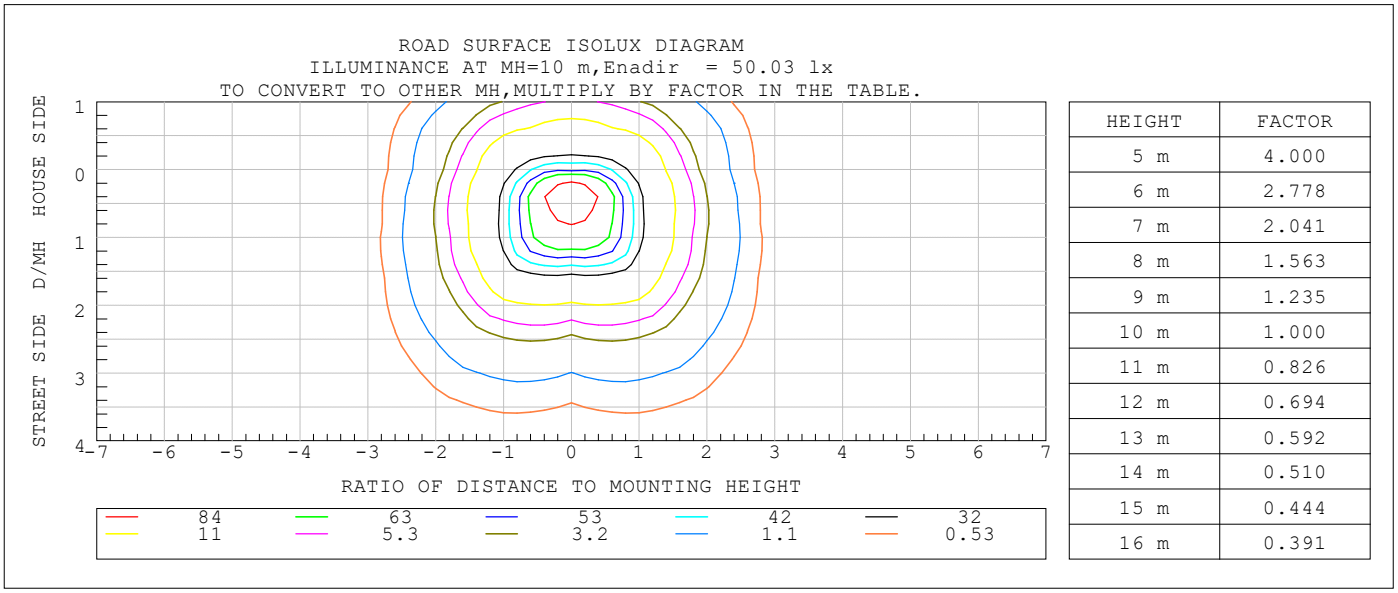
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	25826
90%	23243
80%	20661
70%	18078
60%	15496
50%	12913
40%	10330
30%	7748
20%	5165
10%	2583
5%	1291

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:

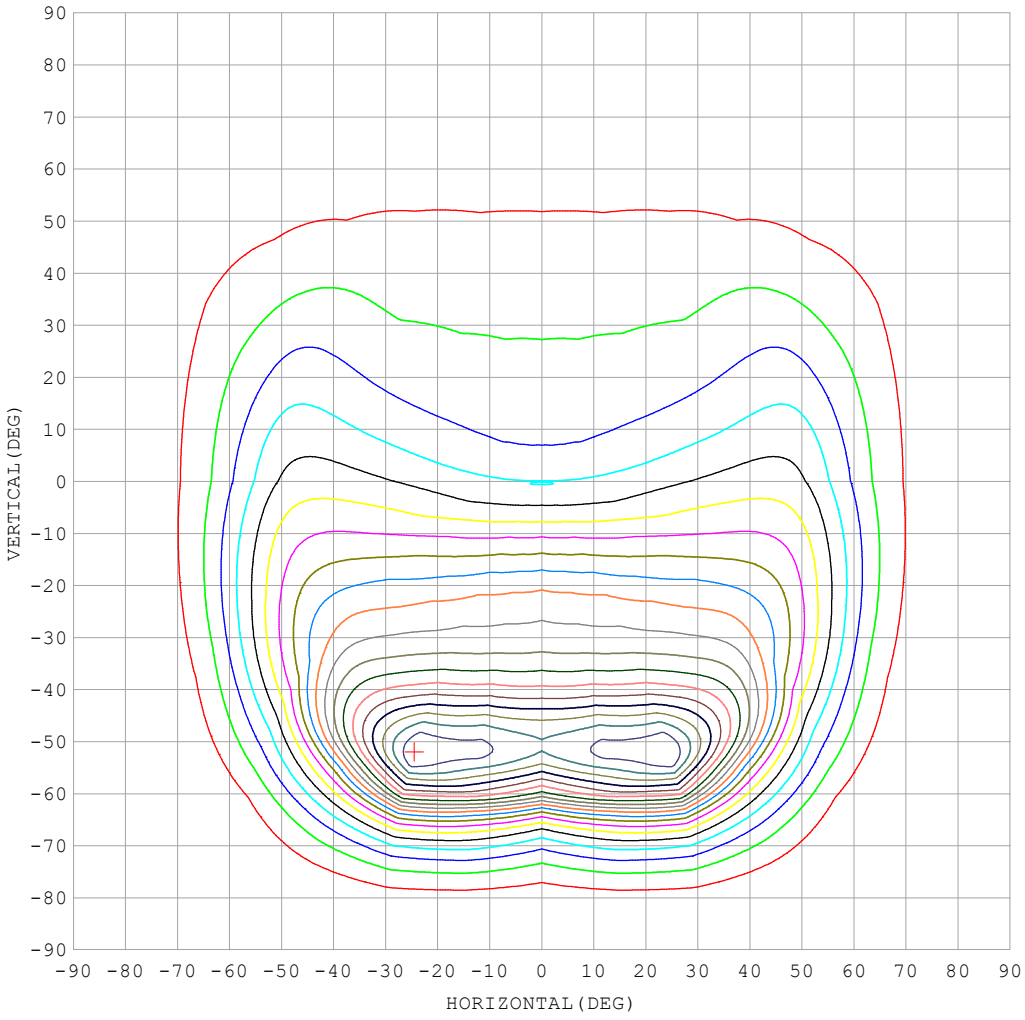
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	539.0	745.2	872.4	745.2	539.0	391.1	360.1	391.1	0- 10	513.4	513.4	1.56,1.56
20	592.2	1034	1263	1034	592.2	343.7	289.6	343.7	10- 20	1798	2311	7.04,7.04
30	653.7	1270	1479	1270	653.7	302.1	245.7	302.1	20- 30	3395	5706	17.4,17.4
40	703.8	1456	1840	1456	703.8	259.4	195.2	259.4	30- 40	5126	10832	33,33
50	658.2	1768	2327	1768	658.2	209.0	138.1	209.0	40- 50	7258	18090	55.1,55.1
60	367.4	1577	1636	1577	367.4	124.2	88.98	124.2	50- 60	8344	26434	80.5,80.5
70	119.8	531.8	424.5	531.8	119.8	57.27	40.79	57.27	60- 70	4899	31333	95.4,95.4
80	28.54	79.17	61.04	79.17	28.54	14.39	8.994	14.39	70- 80	1365	32698	99.6,99.6
90	0.8720	0.2071	0.2248	0.2071	0.8720	5.600	6.182	5.600	80- 90	128.7	32826	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



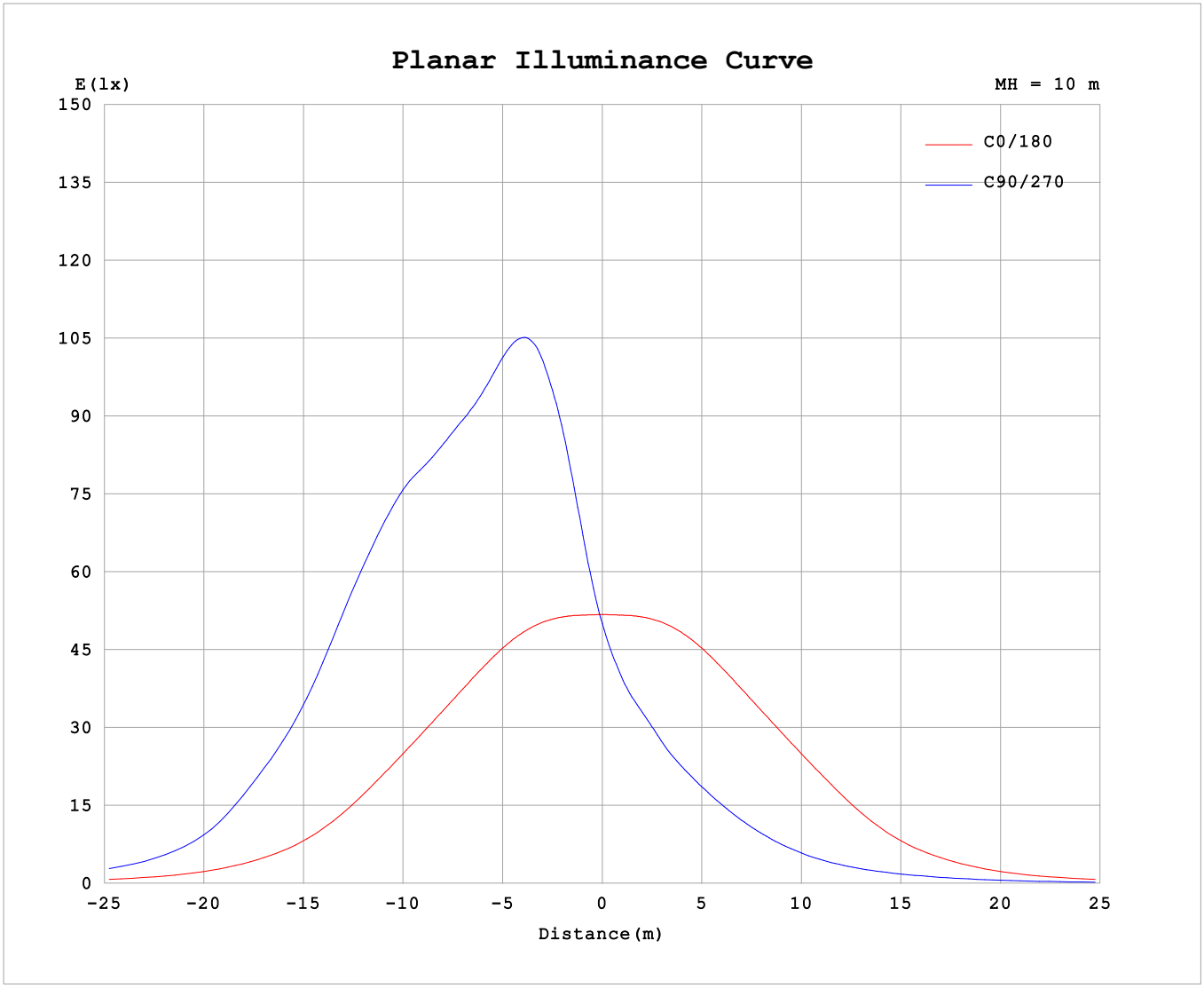
Imax:25802(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



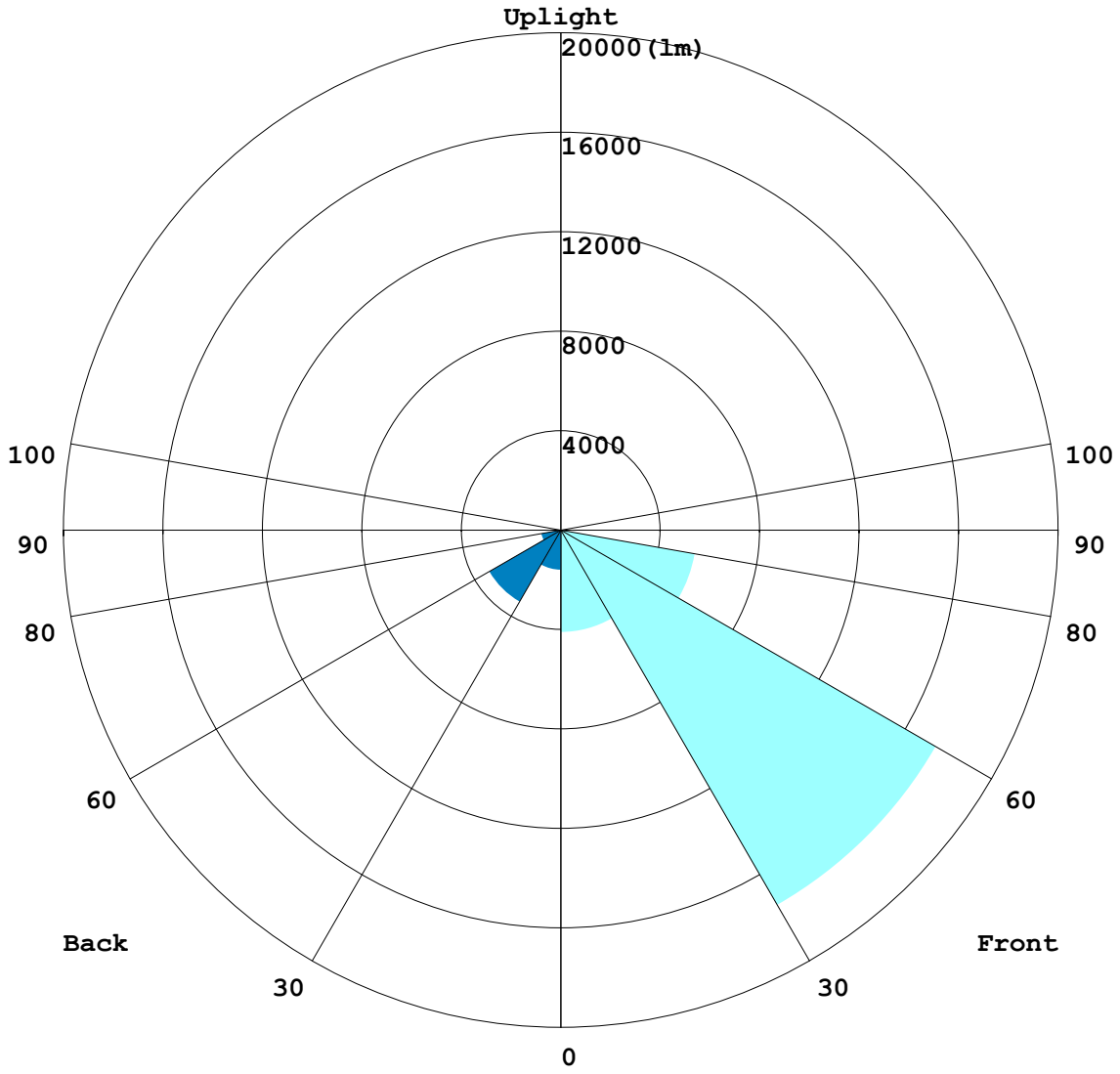
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32826.4x1 lm		
NAME: FL72-500(250W)-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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32826.4x1 lm		
NAME: FL72-500(250W)-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)	4102.3	12.5
FM - Front-Medium(30-60)	17410	53.0
FH - Front-High(60-80)	5476	16.7
FVH - Front-Very High(80-90)	89.225	0.3
Total Forward Light	27077	82.5
BL - Back-Low(0-30)	1603.7	4.9
BM - Back-Medium(30-60)	3317.8	10.1
BH - Back-High(60-80)	787.97	2.4
BVH - Back-Very High(80-90)	39.483	0.1
Total Back Light	5748.9	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	B3-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5748.9	0	5748.9
Street Side	27077	0	27078

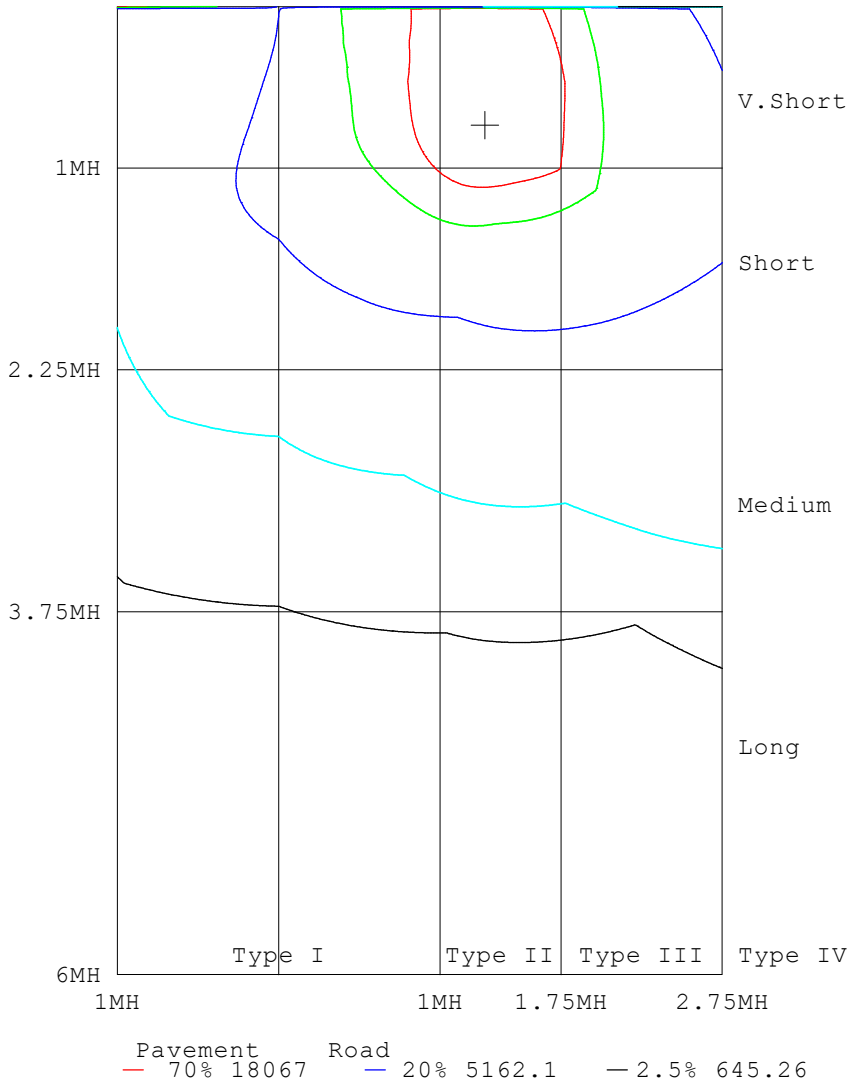
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:1.0868A P:245.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:32826.4x1 lm		
NAME: FL72-500(250W)-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	518	501	501	500	501	499	501	499	501	500	501	501	518	501	501	500	501	499	501
5	523	538	573	604	634	650	659	650	634	604	573	538	523	477	454	434	422	413	411
10	539	589	668	745	814	851	872	851	814	745	668	589	539	466	423	391	372	362	360
15	563	650	777	896	996	1051	1079	1051	996	896	777	650	563	465	405	367	342	327	324
20	592	716	889	1034	1162	1231	1263	1231	1162	1034	889	716	592	471	397	344	311	293	290
25	624	785	993	1162	1295	1358	1386	1358	1295	1162	993	785	624	480	386	320	288	271	267
30	654	851	1087	1270	1394	1451	1479	1451	1394	1270	1087	851	654	489	373	302	267	249	246
35	681	910	1172	1360	1497	1585	1624	1585	1497	1360	1172	910	681	497	362	282	244	226	222
40	704	959	1244	1456	1671	1809	1840	1809	1671	1456	1244	959	704	508	354	259	219	200	195
45	707	983	1288	1596	1934	2134	2144	2134	1934	1596	1288	983	707	511	345	237	191	171	166
50	658	945	1268	1768	2299	2431	2327	2431	2299	1768	1268	945	658	483	320	209	162	142	138
55	524	801	1127	1846	2572	2408	2132	2408	2572	1846	1127	801	524	391	268	167	133	117	113
60	367	594	865	1577	2288	1984	1636	1984	2288	1577	865	594	367	279	192	124	104	92.1	89.0
65	217	369	560	964	1539	1164	835	1164	1539	964	560	369	217	194	123	85.9	74.4	65.7	62.6
70	120	172	311	532	750	617	424	617	750	532	311	172	120	117	77.1	57.3	49.1	43.0	40.8
75	64.0	75.3	109	247	347	299	195	299	347	247	109	75.3	64.0	63.5	46.3	33.7	27.2	23.0	21.9
80	28.5	31.1	31.8	79.2	116	96.9	61.0	96.9	116	79.2	31.8	31.1	28.5	27.3	20.9	14.4	11.3	9.58	8.99
85	6.39	6.21	4.70	7.85	9.78	6.07	4.69	6.07	9.78	7.85	4.70	6.21	6.39	6.80	5.16	4.79	5.06	4.78	4.45
90	0.87	0.19	0.19	0.21	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.87	2.29	3.72	5.60	6.77	6.62	6.18

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	499	501	500	501	501														
5	413	422	434	454	477														
10	362	372	391	423	466														
15	327	342	367	405	465														
20	293	311	344	397	471														
25	271	288	320	386	480														
30	249	267	302	373	489														
35	226	244	282	362	497														
40	200	219	259	354	508														
45	171	191	237	345	511														
50	142	162	209	320	483														
55	117	133	167	268	391														
60	92.1	104	124	192	279														
65	65.7	74.4	85.9	123	194														
70	43.0	49.1	57.3	77.1	117														
75	23.0	27.2	33.7	46.3	63.5														
80	9.58	11.3	14.4	20.9	27.3														
85	4.78	5.06	4.79	5.16	6.80														
90	6.62	6.77	5.60	3.72	2.29														

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: