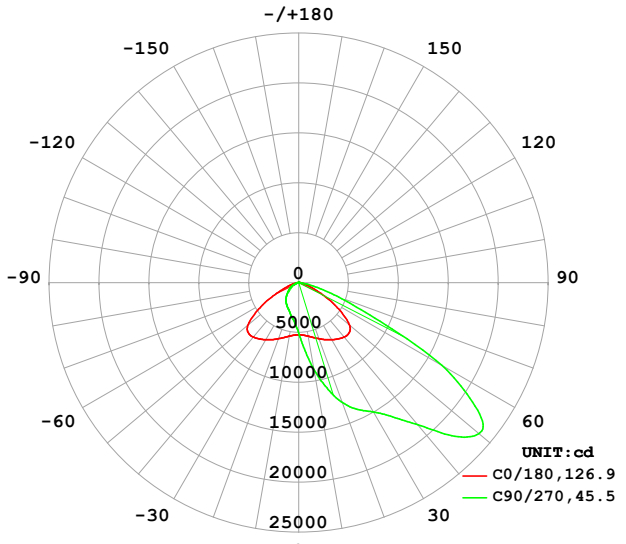
STREETLIGHT PHOTOMETRIC TEST REPORT

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:33207.5x1 lm		
NAME: FL72-500(250W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

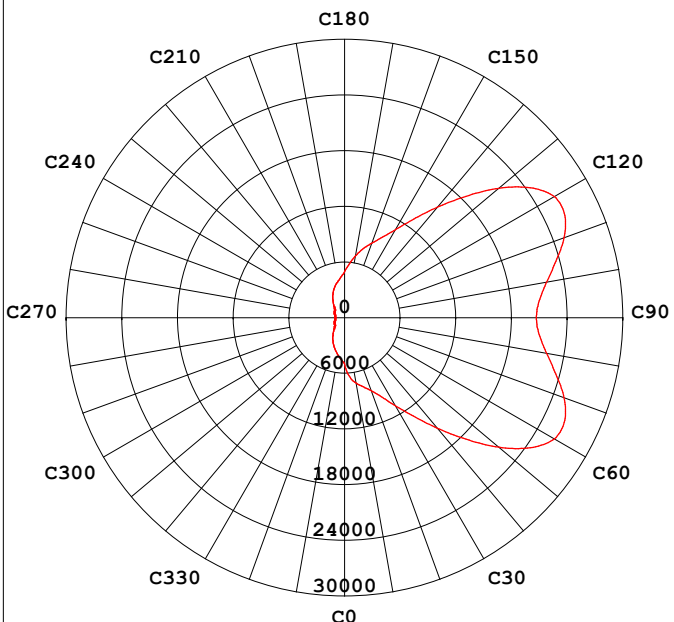
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 135.49 lm/W	
MODEL	/	Imax(cd)	26126	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	33208	η house_up(%)	0.0
NOMINAL FLUX(lm)	33207.5	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

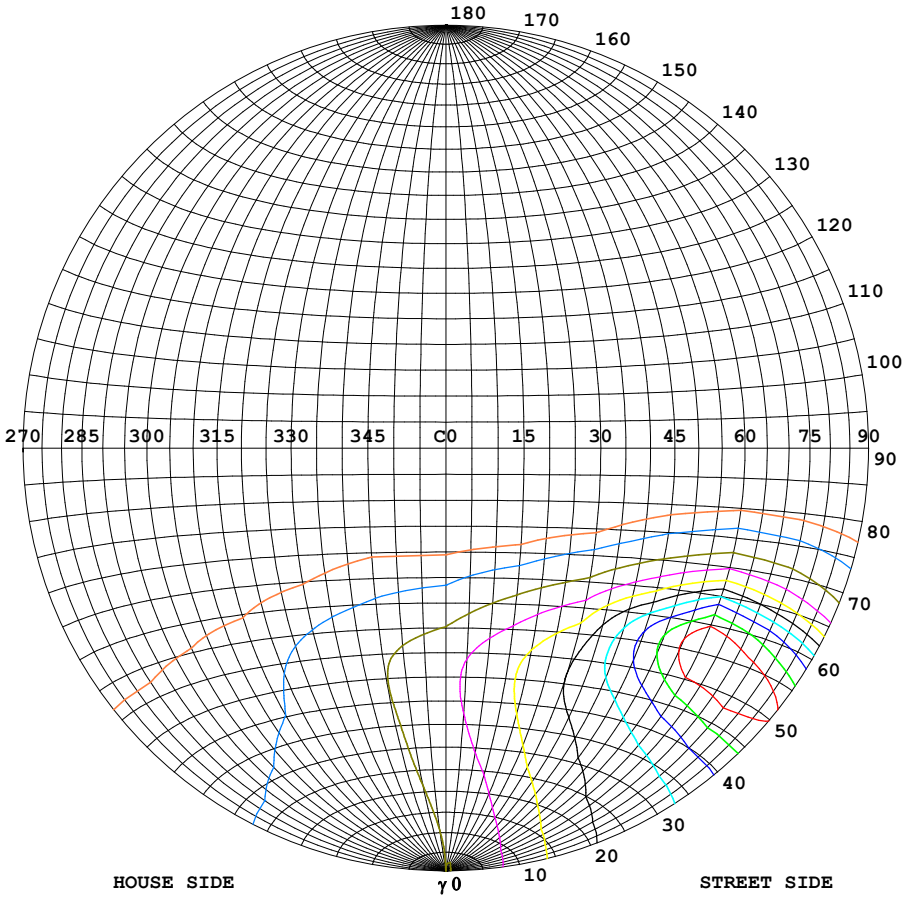


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

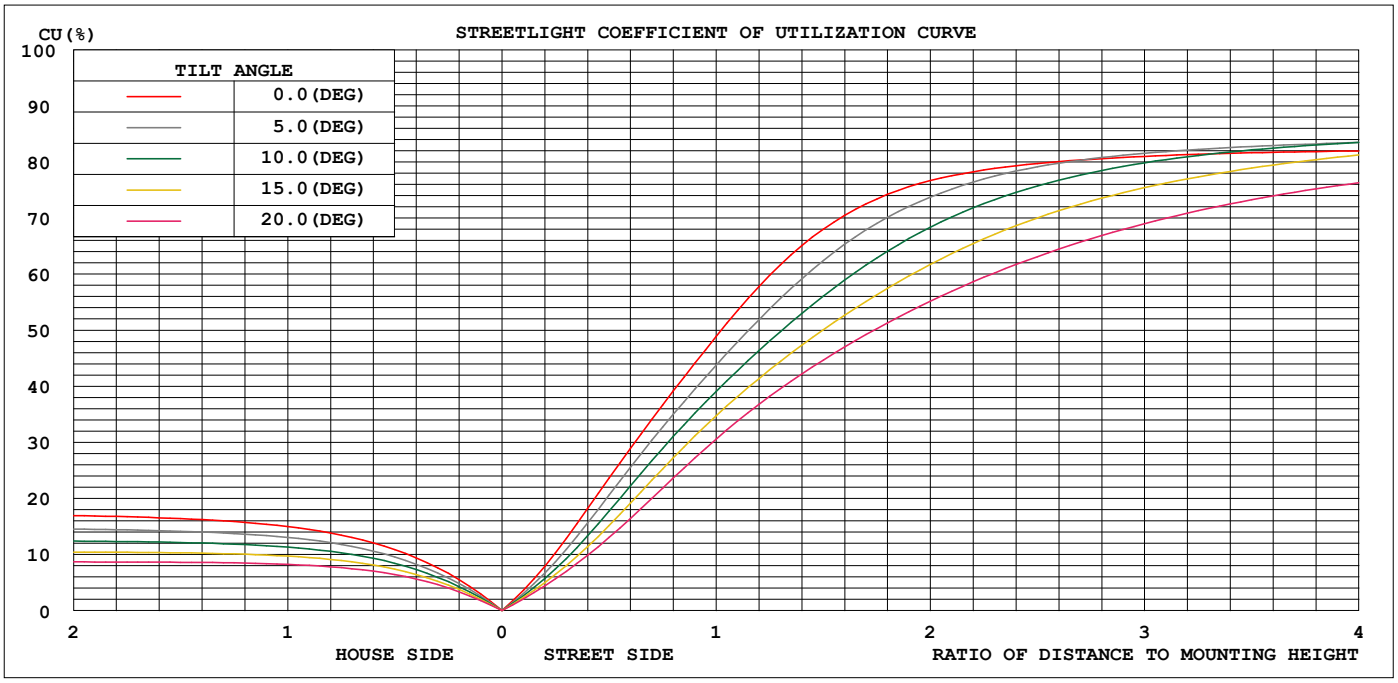
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

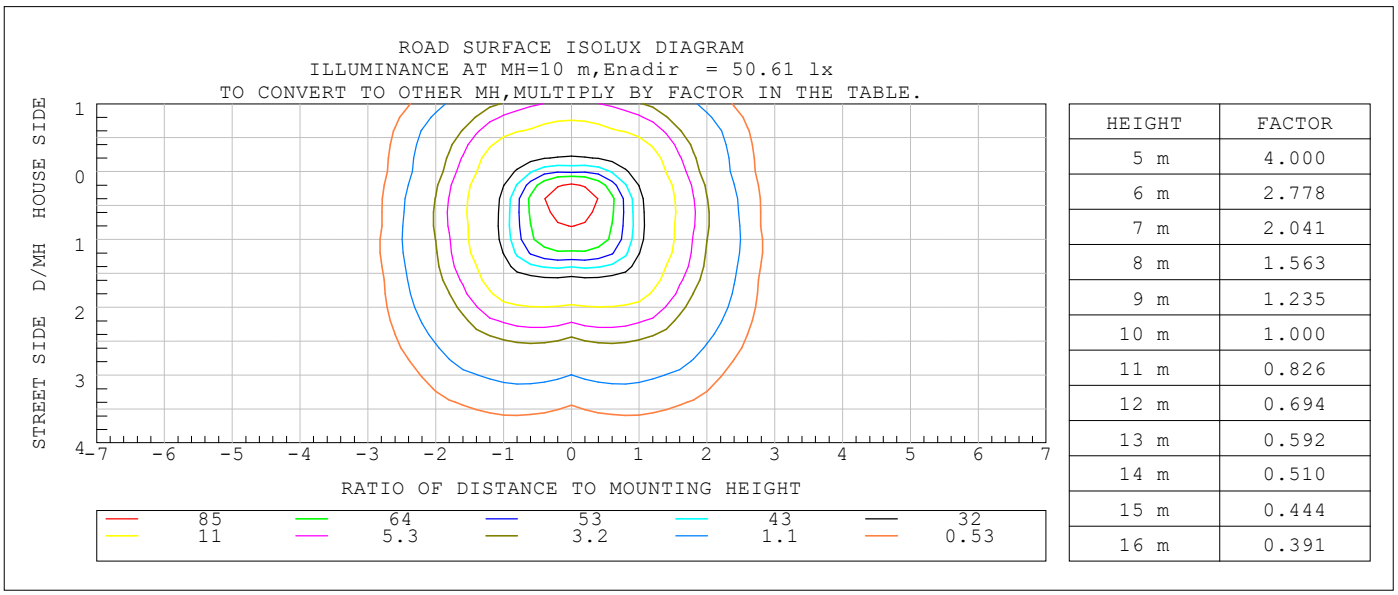
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	26126
90%	23513
80%	20901
70%	18288
60%	15675
50%	13063
40%	10450
30%	7838
20%	5225
10%	2613
5%	1306

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:

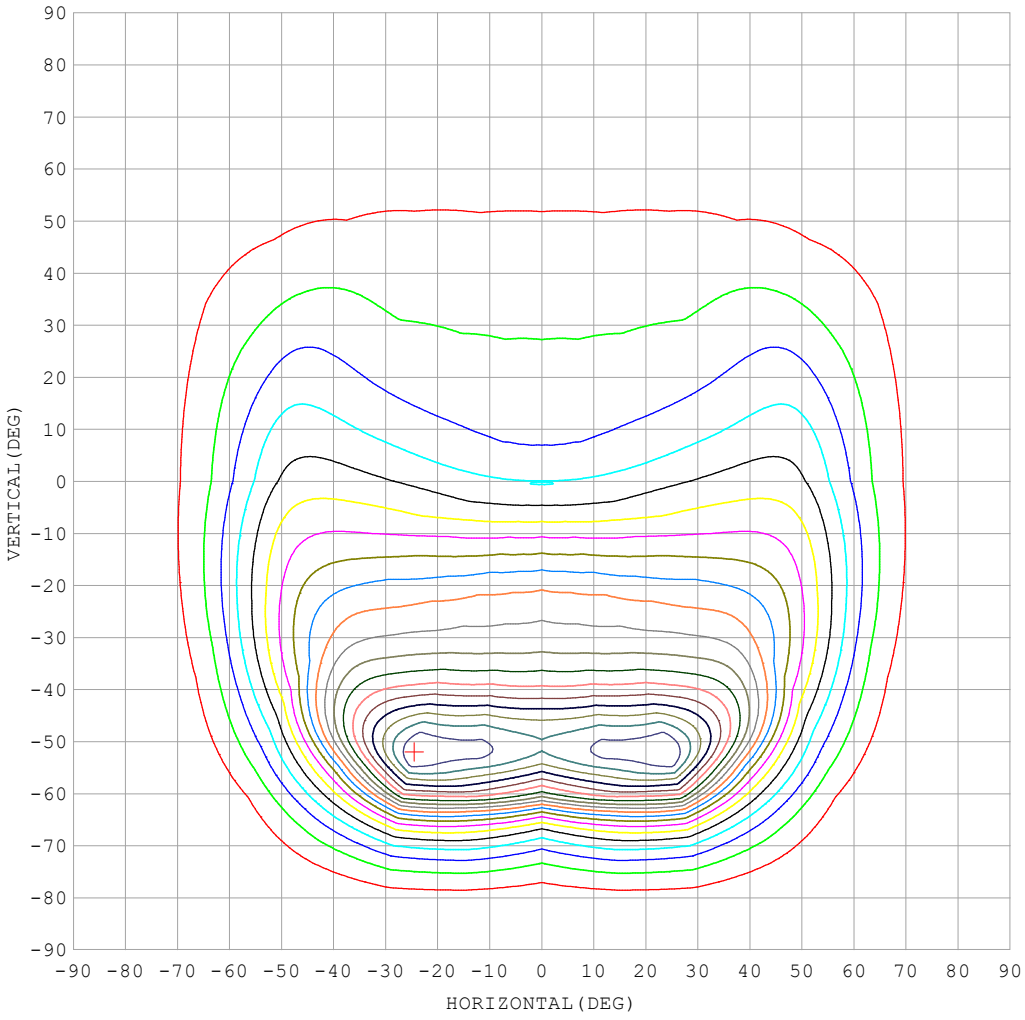
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	545.2	753.8	882.5	753.8	545.2	395.6	364.3	395.6	0- 10	519.4	519.4	1.56,1.56
20	599.1	1046	1278	1046	599.1	347.7	293.0	347.7	10- 20	1819	2338	7.04,7.04
30	661.3	1284	1496	1284	661.3	305.6	248.5	305.6	20- 30	3434	5772	17.4,17.4
40	712.0	1473	1861	1473	712.0	262.4	197.4	262.4	30- 40	5185	10958	33,33
50	665.9	1788	2354	1788	665.9	211.4	139.7	211.4	40- 50	7342	18300	55.1,55.1
60	371.6	1595	1655	1595	371.6	125.7	90.02	125.7	50- 60	8441	26741	80.5,80.5
70	121.2	538.0	429.4	538.0	121.2	57.94	41.26	57.94	60- 70	4956	31696	95.4,95.4
80	28.87	80.09	61.75	80.09	28.87	14.55	9.098	14.55	70- 80	1381	33077	99.6,99.6
90	0.8821	0.2096	0.2275	0.2096	0.8821	5.665	6.253	5.665	80- 90	130.2	33208	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



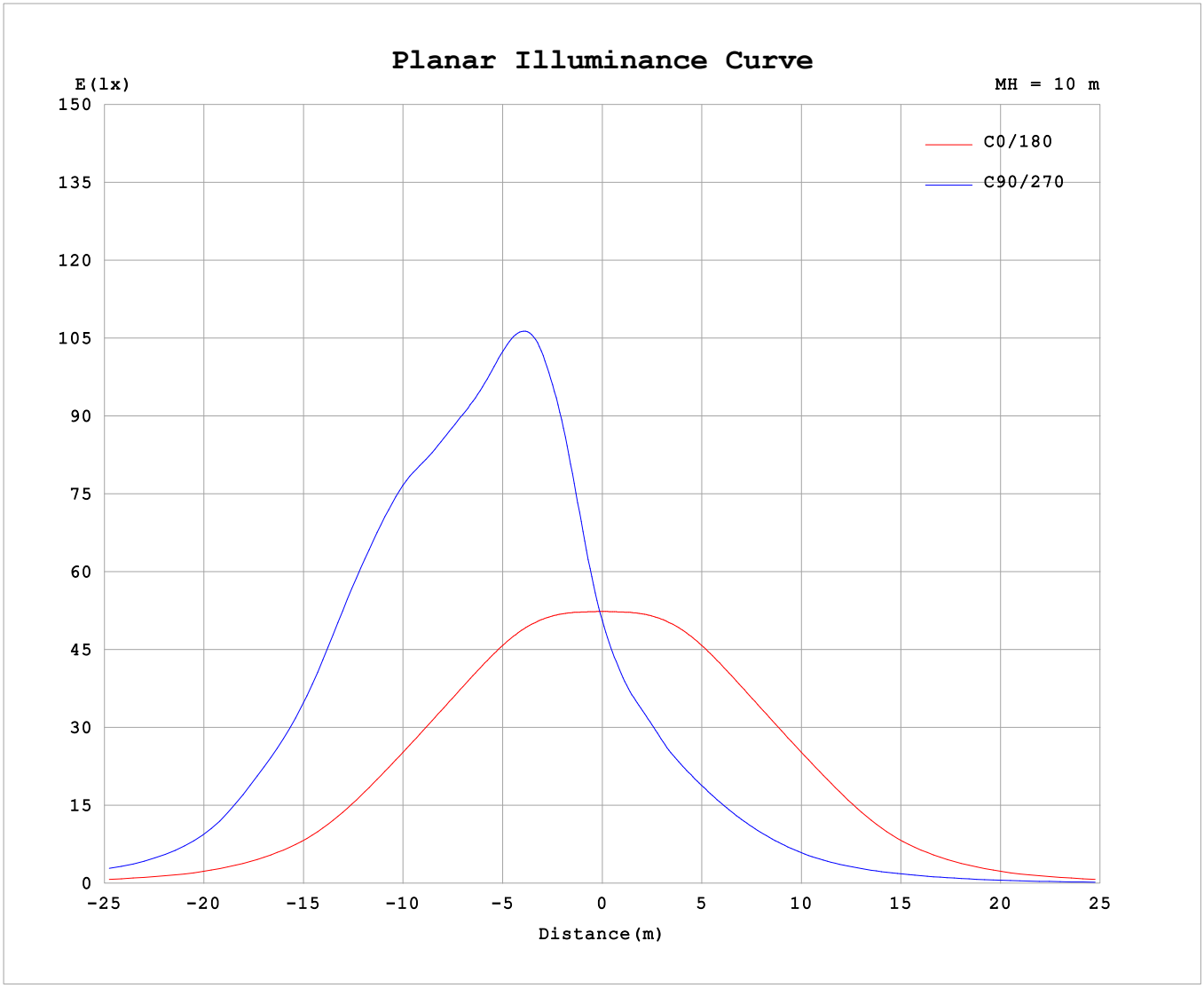
Imax:26101(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



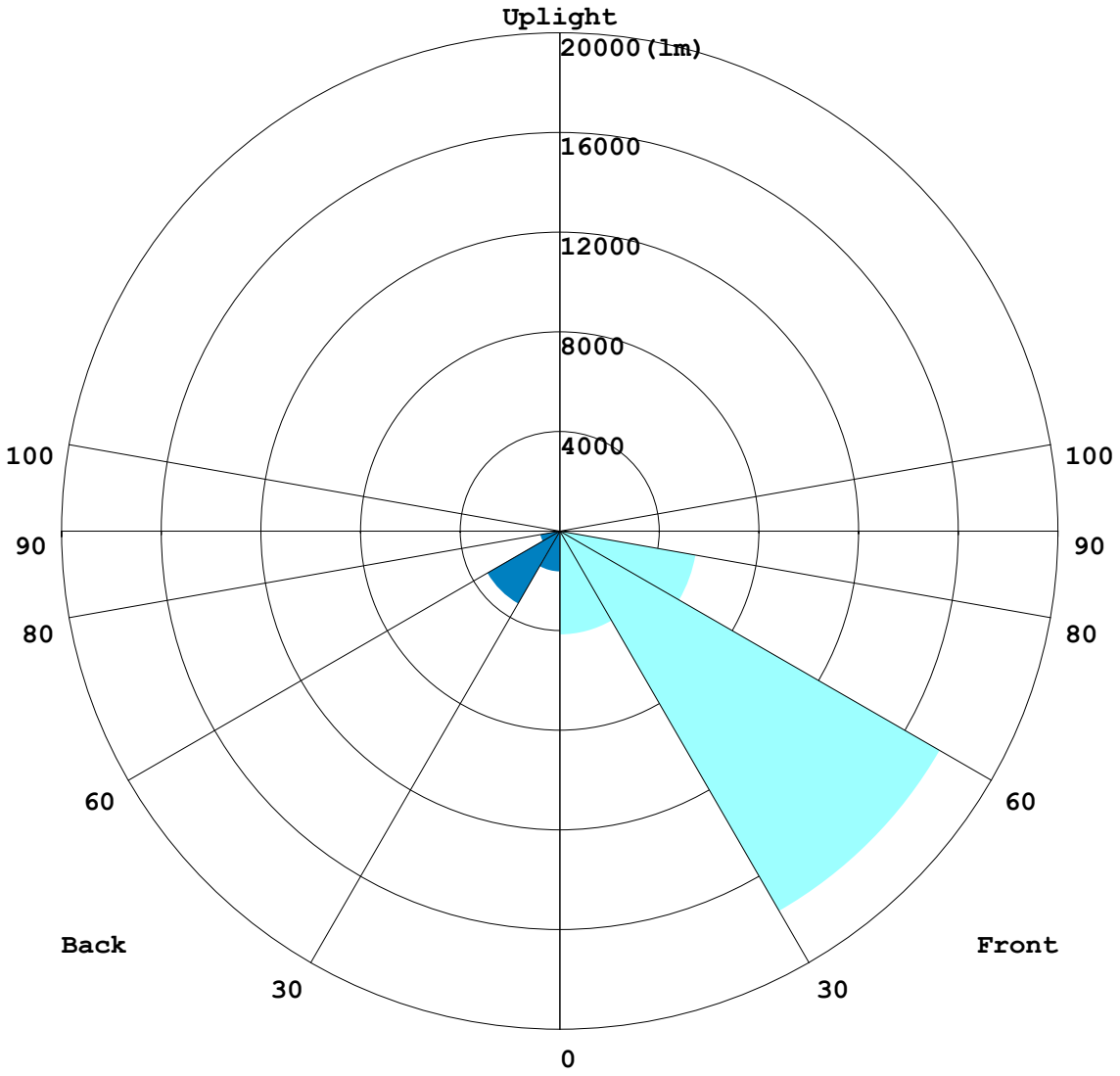
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:33207.5x1 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:33207.5x1 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)	4149.9	12.5
FM - Front-Medium(30-60)	17612	53.0
FH - Front-High(60-80)	5539.6	16.7
FVH - Front-Very High(80-90)	90.261	0.3
Total Forward Light	27392	82.5
BL - Back-Low(0-30)	1622.3	4.9
BM - Back-Medium(30-60)	3356.3	10.1
BH - Back-High(60-80)	797.12	2.4
BVH - Back-Very High(80-90)	39.941	0.1
Total Back Light	5815.7	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	5815.7	0	5815.7
Street Side	27392	0	27392

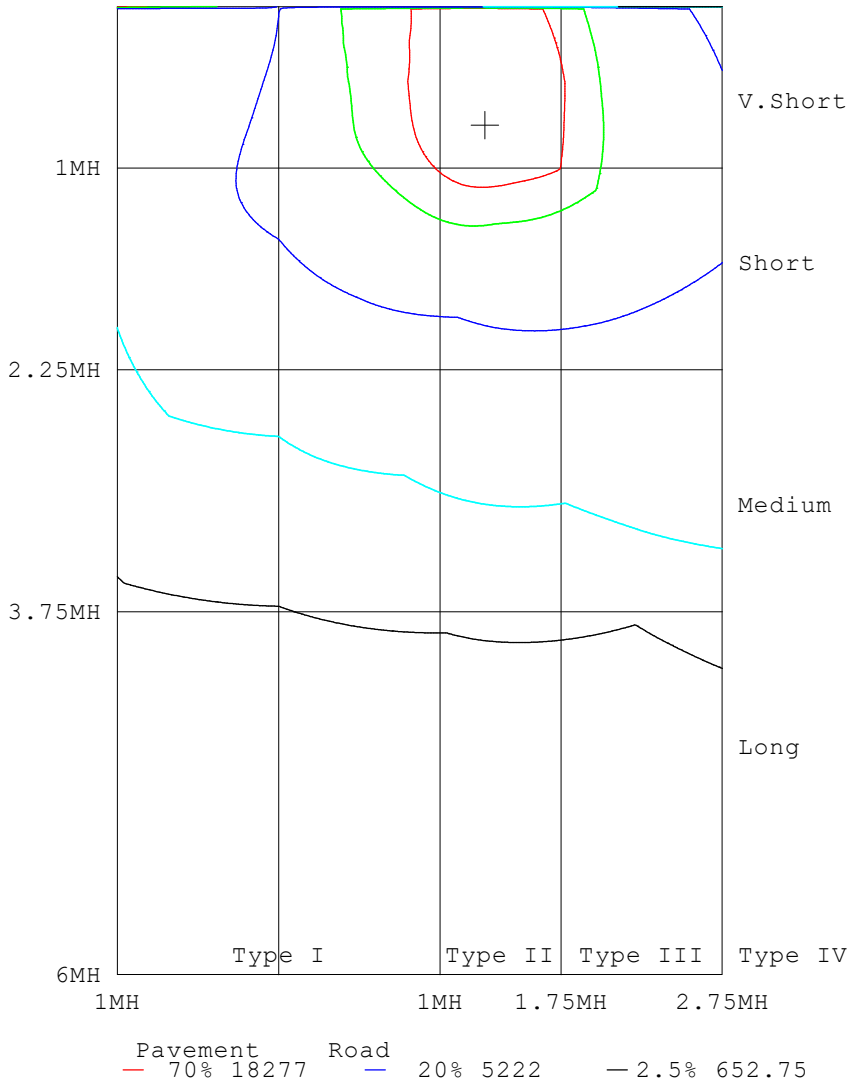
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:33207.5x1 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	524	506	507	506	507	505	507	505	507	506	507	506	524	506	507	506	507	505	507
5	529	544	580	611	642	658	667	658	642	611	580	544	529	482	459	439	426	417	416
10	545	596	676	754	824	860	882	860	824	754	676	596	545	472	428	396	376	367	364
15	569	657	786	906	1008	1063	1091	1063	1008	906	786	657	569	471	410	371	346	331	327
20	599	724	900	1046	1175	1246	1278	1246	1175	1046	900	724	599	476	401	348	314	297	293
25	631	794	1005	1175	1310	1373	1402	1373	1310	1175	1005	794	631	486	391	324	291	274	270
30	661	861	1099	1284	1410	1468	1496	1468	1410	1284	1099	861	661	495	378	306	270	252	249
35	689	921	1185	1376	1514	1604	1643	1604	1514	1376	1185	921	689	503	366	285	247	228	224
40	712	971	1258	1473	1690	1830	1861	1830	1690	1473	1258	971	712	514	358	262	221	202	197
45	715	994	1303	1614	1957	2159	2169	2159	1957	1614	1303	994	715	517	349	240	193	173	168
50	666	956	1282	1788	2326	2459	2354	2459	2326	1788	1282	956	666	488	324	211	163	144	140
55	530	811	1141	1867	2602	2436	2157	2436	2602	1867	1141	811	530	395	271	169	135	118	115
60	372	601	875	1595	2314	2007	1655	2007	2314	1595	875	601	372	282	194	126	106	93.2	90.0
65	220	374	567	975	1557	1178	845	1178	1557	975	567	374	220	197	125	86.9	75.3	66.5	63.4
70	121	174	314	538	758	625	429	625	758	538	314	174	121	118	78.0	57.9	49.7	43.5	41.3
75	64.8	76.1	110	250	351	302	198	302	351	250	110	76.1	64.8	64.2	46.9	34.1	27.5	23.3	22.1
80	28.9	31.5	32.2	80.1	118	98.0	61.7	98.0	118	80.1	32.2	31.5	28.9	27.6	21.1	14.6	11.4	9.69	9.10
85	6.46	6.28	4.75	7.94	9.89	6.14	4.75	6.14	9.89	7.94	4.75	6.28	6.46	6.88	5.22	4.84	5.12	4.84	4.50
90	0.88	0.19	0.20	0.21	0.22	0.22	0.23	0.22	0.22	0.21	0.20	0.19	0.88	2.32	3.76	5.66	6.85	6.70	6.25

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	505	507	506	507	506														
5	417	426	439	459	482														
10	367	376	396	428	472														
15	331	346	371	410	471														
20	297	314	348	401	476														
25	274	291	324	391	486														
30	252	270	306	378	495														
35	228	247	285	366	503														
40	202	221	262	358	514														
45	173	193	240	349	517														
50	144	163	211	324	488														
55	118	135	169	271	395														
60	93.2	106	126	194	282														
65	66.5	75.3	86.9	125	197														
70	43.5	49.7	57.9	78.0	118														
75	23.3	27.5	34.1	46.9	64.2														
80	9.69	11.4	14.6	21.1	27.6														
85	4.84	5.12	4.84	5.22	6.88														
90	6.70	6.85	5.66	3.76	2.32														

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: