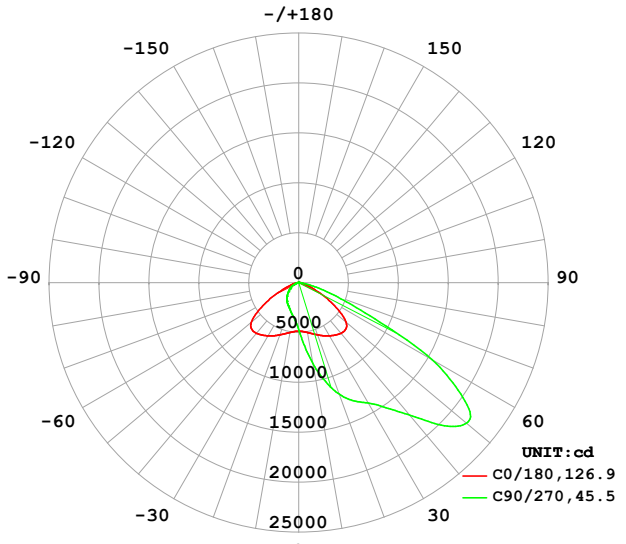
STREETLIGHT PHOTOMETRIC TEST REPORT

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:30934.7x1 lm		
NAME: FL72-500(250W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

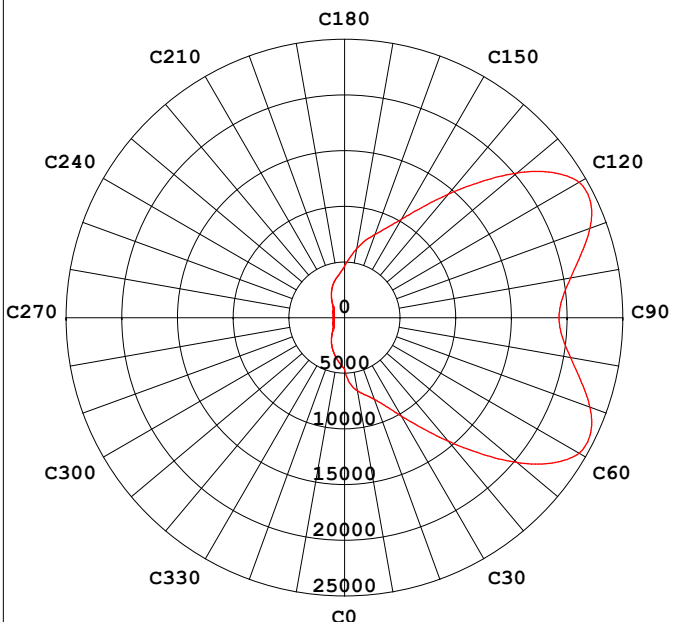
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 126.21 lm/W	
MODEL	/	Imax(cd)	24338	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	30935	η house_up(%)	0.0
NOMINAL FLUX(lm)	30934.7	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

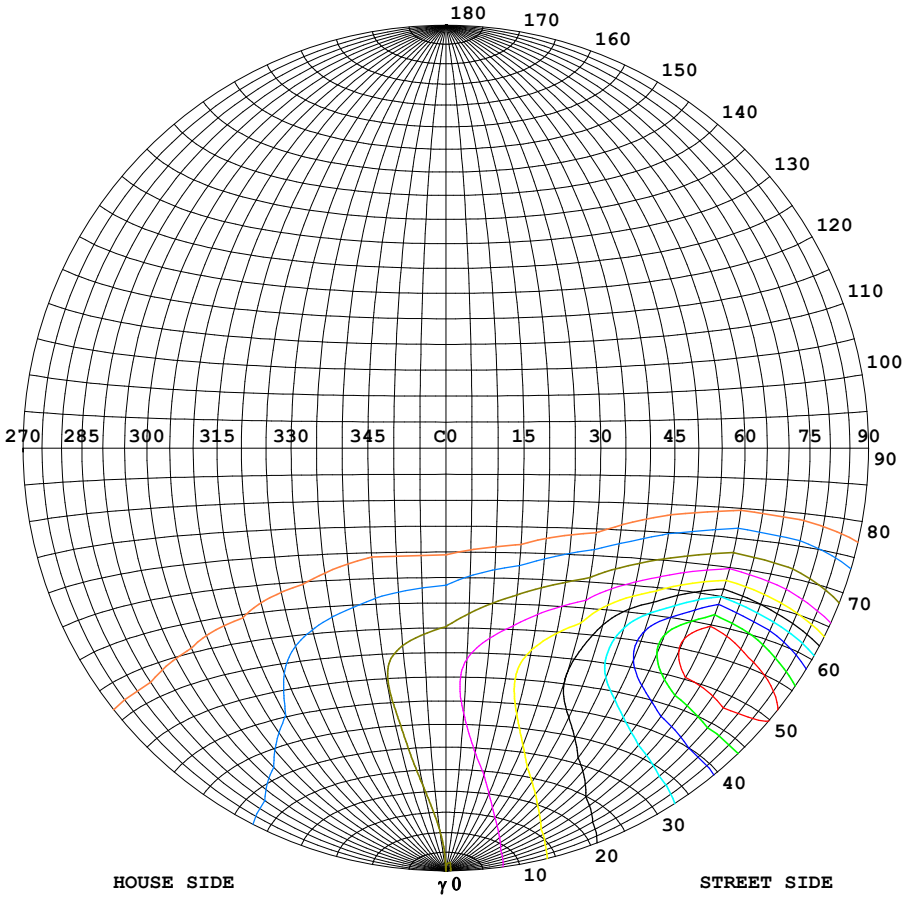


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

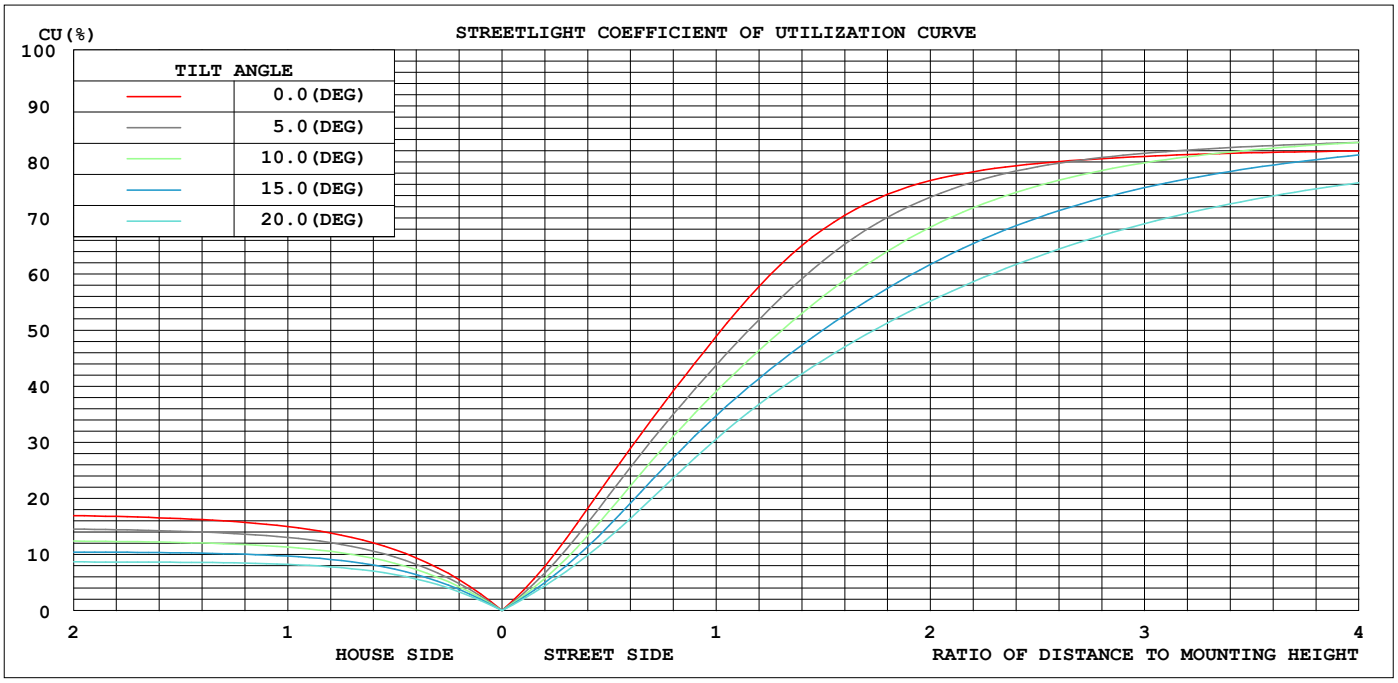
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

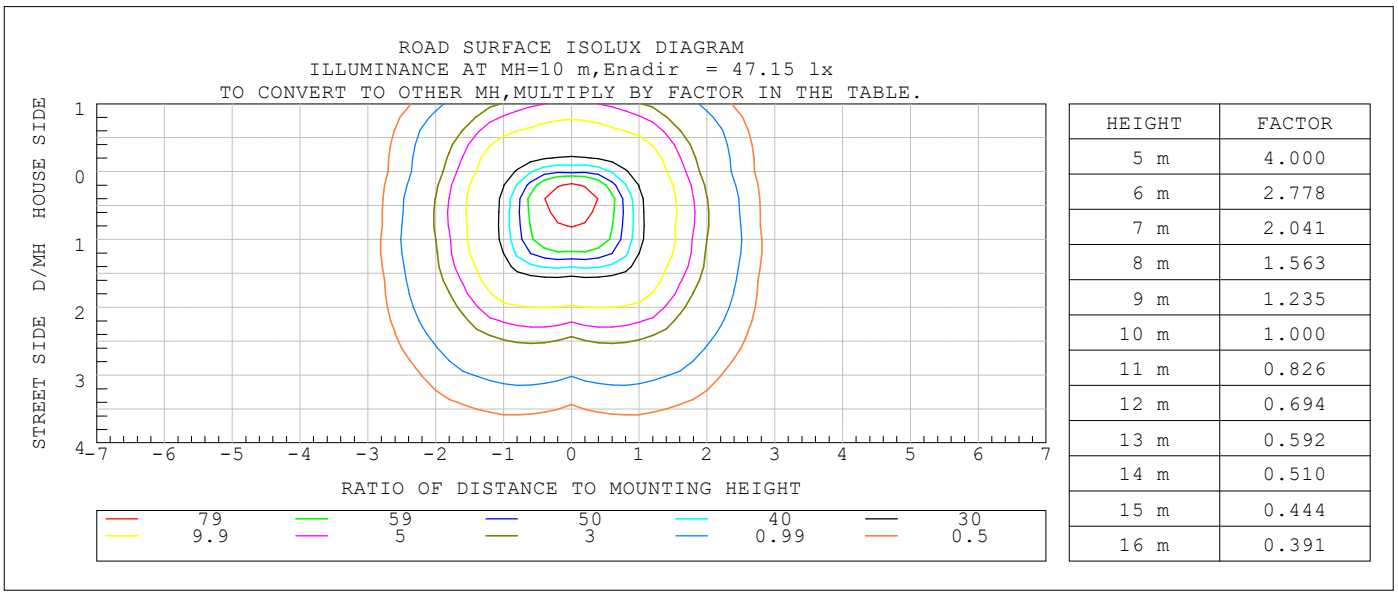
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	24338
90%	21904
80%	19470
70%	17036
60%	14603
50%	12169
40%	9735
30%	7301
20%	4868
10%	2434
5%	1217

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:

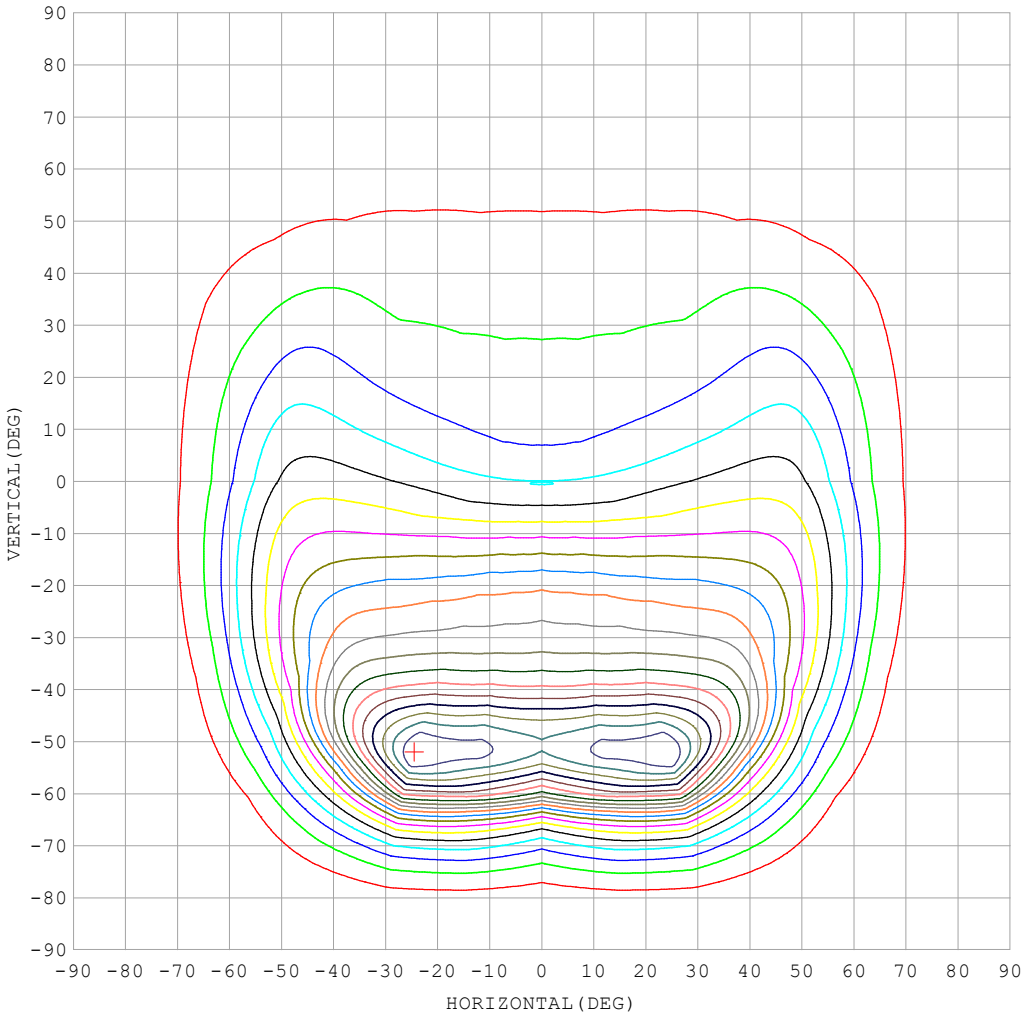
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	507.9	702.2	822.1	702.2	507.9	368.6	339.3	368.6	0- 10	483.9	483.9	1.56,1.56
20	558.0	974.1	1190	974.1	558.0	323.9	272.9	323.9	10- 20	1694	2178	7.04,7.04
30	616.0	1196	1394	1196	616.0	284.7	231.5	284.7	20- 30	3199	5377	17.4,17.4
40	663.2	1372	1734	1372	663.2	244.4	183.9	244.4	30- 40	4831	10208	33,33
50	620.3	1666	2193	1666	620.3	196.9	130.1	196.9	40- 50	6840	17047	55.1,55.1
60	346.2	1486	1542	1486	346.2	117.1	83.86	117.1	50- 60	7863	24910	80.5,80.5
70	112.9	501.2	400.0	501.2	112.9	53.97	38.44	53.97	60- 70	4617	29527	95.4,95.4
80	26.89	74.60	57.52	74.60	26.89	13.56	8.475	13.56	70- 80	1286	30813	99.6,99.6
90	0.8218	0.1952	0.2119	0.1952	0.8218	5.277	5.825	5.277	80- 90	121.3	30935	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



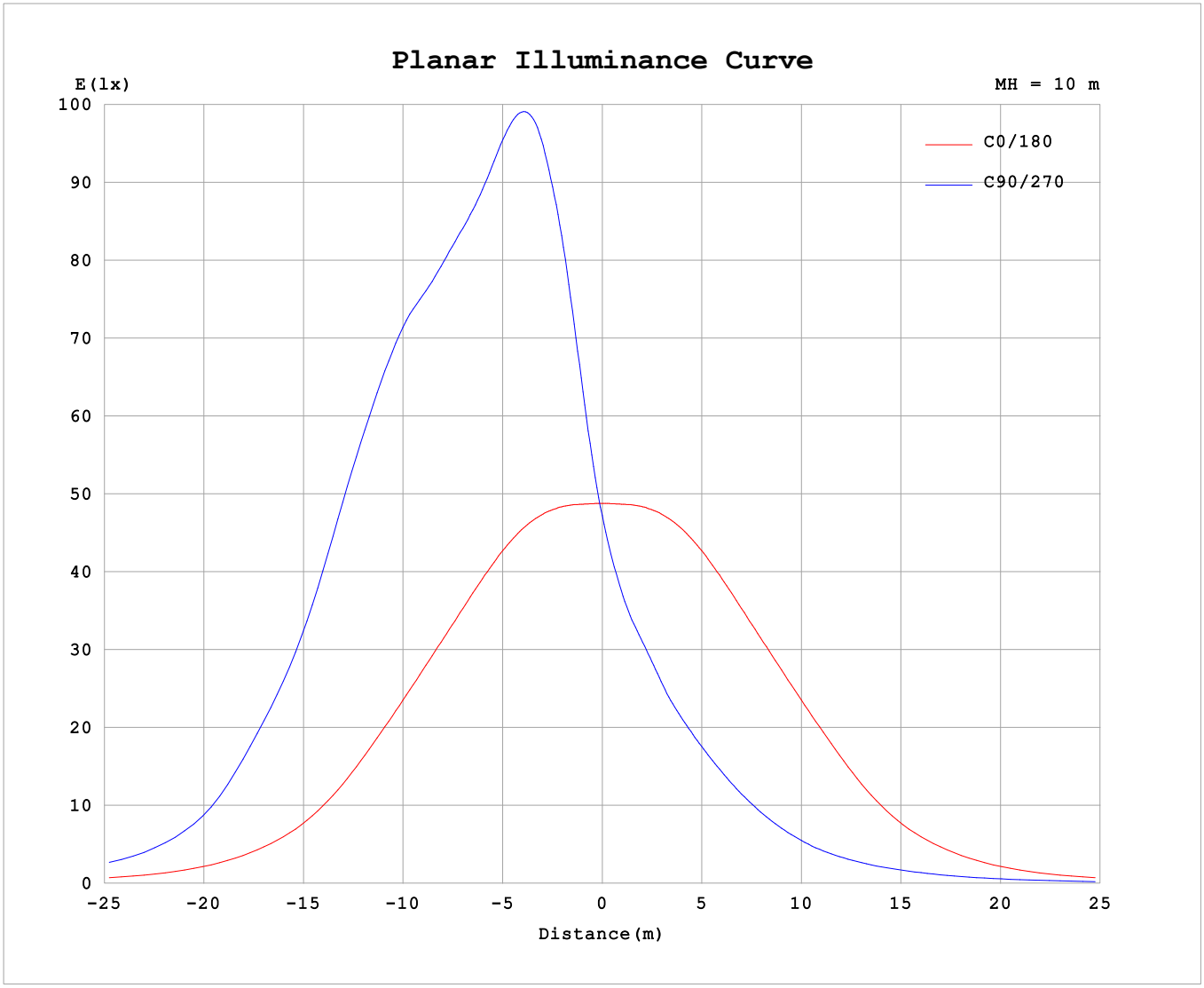
Imax:24315(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



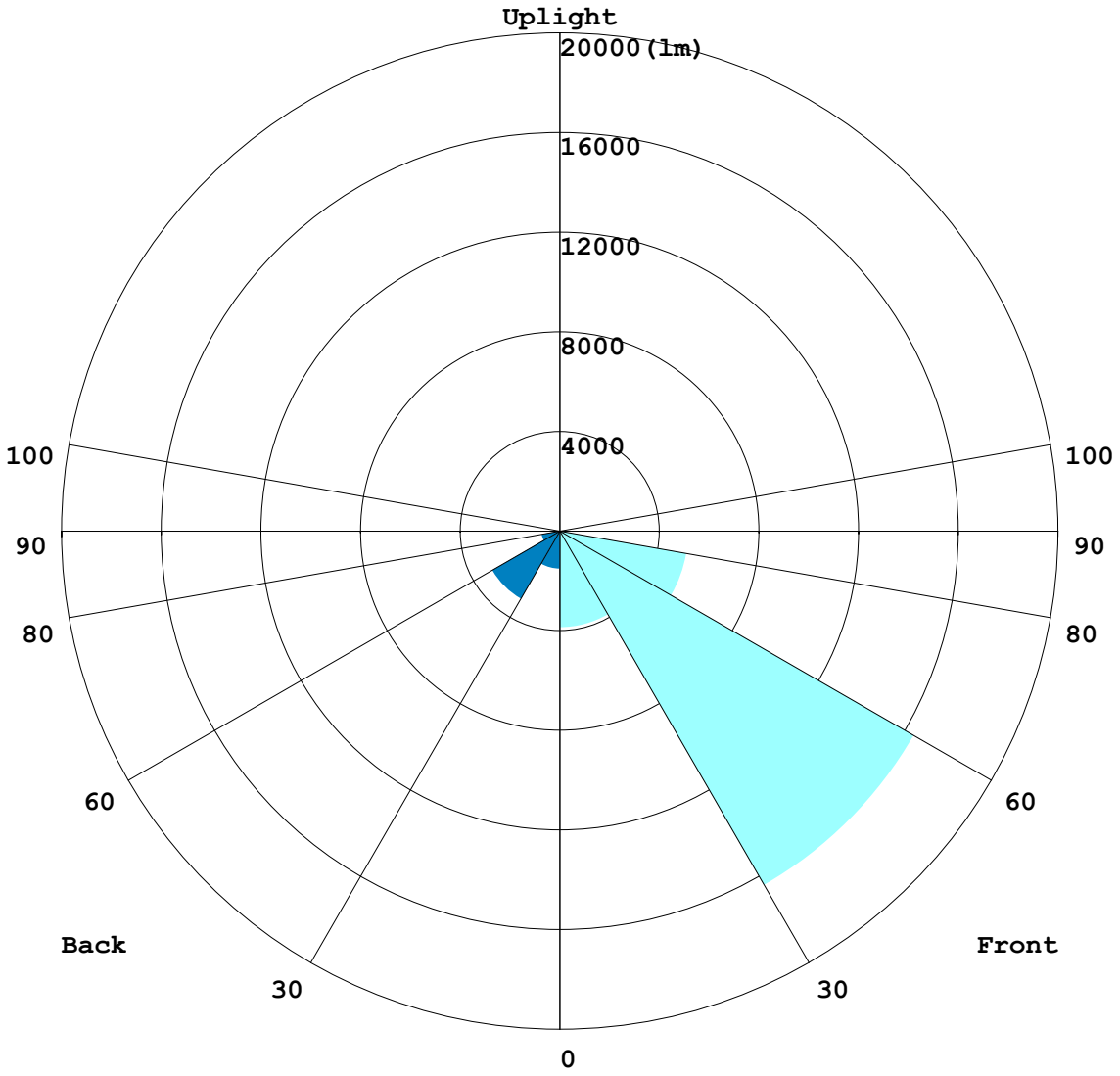
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:30934.7x1 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:30934.7x1 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)	3865.9	12.5
FM - Front-Medium(30-60)	16407	53.0
FH - Front-High(60-80)	5160.5	16.7
FVH - Front-Very High(80-90)	84.083	0.3
Total Forward Light	25517	82.5
BL - Back-Low(0-30)	1511.3	4.9
BM - Back-Medium(30-60)	3126.6	10.1
BH - Back-High(60-80)	742.56	2.4
BVH - Back-Very High(80-90)	37.208	0.1
Total Back Light	5417.6	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	5417.6	0	5417.6
Street Side	25517	0	25517

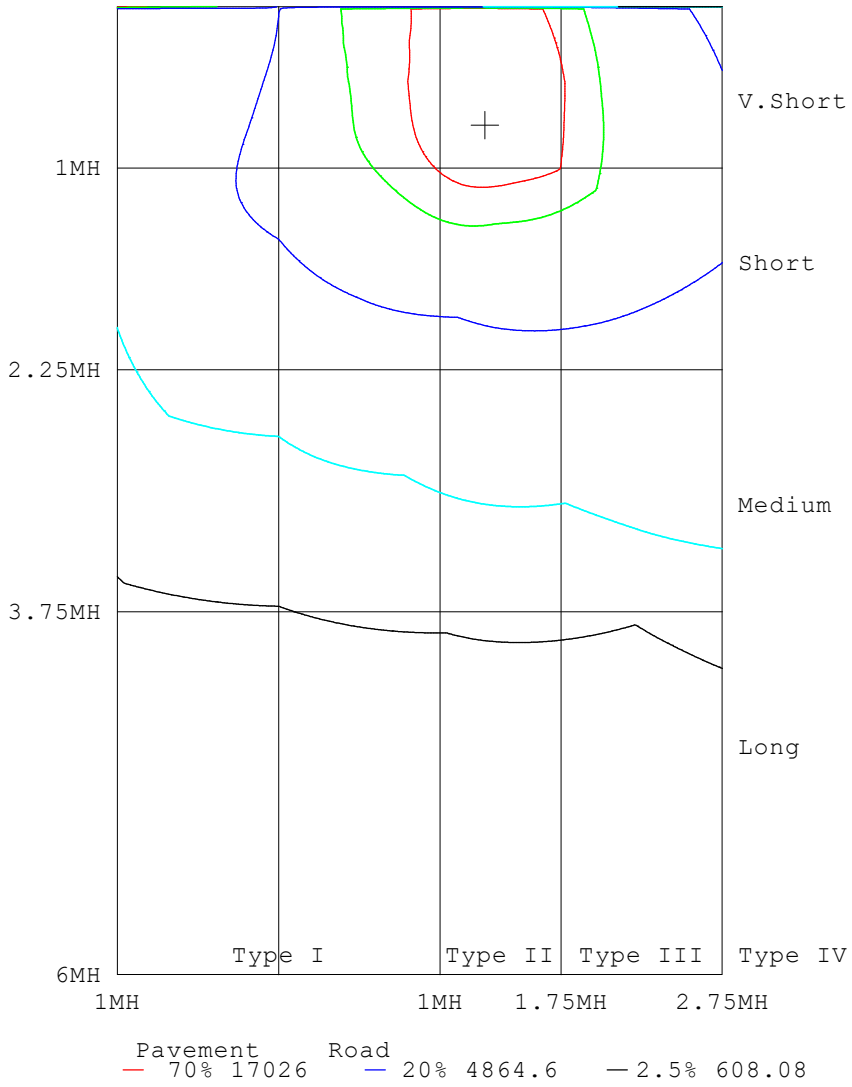
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:30934.7x1 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	488	472	472	471	472	471	472	471	472	471	472	472	488	472	472	471	472	471	472
5	493	507	540	570	598	613	621	613	598	570	540	507	493	449	427	409	397	389	387
10	508	555	630	702	767	802	822	802	767	702	630	555	508	439	399	369	351	341	339
15	530	612	732	844	939	990	1017	990	939	844	732	612	530	438	382	346	322	308	305
20	558	675	838	974	1095	1160	1190	1160	1095	974	838	675	558	444	374	324	293	276	273
25	588	740	936	1095	1220	1279	1306	1279	1220	1095	936	740	588	452	364	302	271	256	252
30	616	802	1024	1196	1313	1368	1394	1368	1313	1196	1024	802	616	461	352	285	251	235	232
35	642	858	1104	1281	1410	1494	1530	1494	1410	1281	1104	858	642	468	341	266	230	213	209
40	663	904	1172	1372	1574	1705	1734	1705	1574	1372	1172	904	663	479	334	244	206	188	184
45	666	926	1214	1504	1823	2011	2020	2011	1823	1504	1214	926	666	482	325	223	180	161	157
50	620	890	1195	1666	2167	2291	2193	2291	2167	1666	1195	890	620	455	302	197	152	134	130
55	494	755	1062	1739	2424	2269	2009	2269	2424	1739	1062	755	494	368	253	157	126	110	107
60	346	559	815	1486	2156	1870	1542	1870	2156	1486	815	559	346	262	181	117	98.5	86.8	83.9
65	205	348	528	908	1451	1097	787	1097	1451	908	528	348	205	183	116	81.0	70.1	61.9	59.0
70	113	162	293	501	706	582	400	582	706	501	293	162	113	110	72.6	54.0	46.3	40.5	38.4
75	60.3	70.9	103	233	327	282	184	282	327	233	103	70.9	60.3	59.8	43.7	31.7	25.7	21.7	20.6
80	26.9	29.3	30.0	74.6	110	91.3	57.5	91.3	110	74.6	30.0	29.3	26.9	25.7	19.6	13.6	10.7	9.03	8.48
85	6.02	5.85	4.43	7.40	9.21	5.72	4.42	5.72	9.21	7.40	4.43	5.85	6.02	6.41	4.87	4.51	4.77	4.51	4.19
90	0.82	0.18	0.18	0.20	0.21	0.21	0.21	0.21	0.21	0.20	0.18	0.18	0.82	2.16	3.50	5.28	6.38	6.24	5.83

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	471	472	471	472	472														
5	389	397	409	427	449														
10	341	351	369	399	439														
15	308	322	346	382	438														
20	276	293	324	374	444														
25	256	271	302	364	452														
30	235	251	285	352	461														
35	213	230	266	341	468														
40	188	206	244	334	479														
45	161	180	223	325	482														
50	134	152	197	302	455														
55	110	126	157	253	368														
60	86.8	98.5	117	181	262														
65	61.9	70.1	81.0	116	183														
70	40.5	46.3	54.0	72.6	110														
75	21.7	25.7	31.7	43.7	59.8														
80	9.03	10.7	13.6	19.6	25.7														
85	4.51	4.77	4.51	4.87	6.41														
90	6.24	6.38	5.28	3.50	2.16														

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: