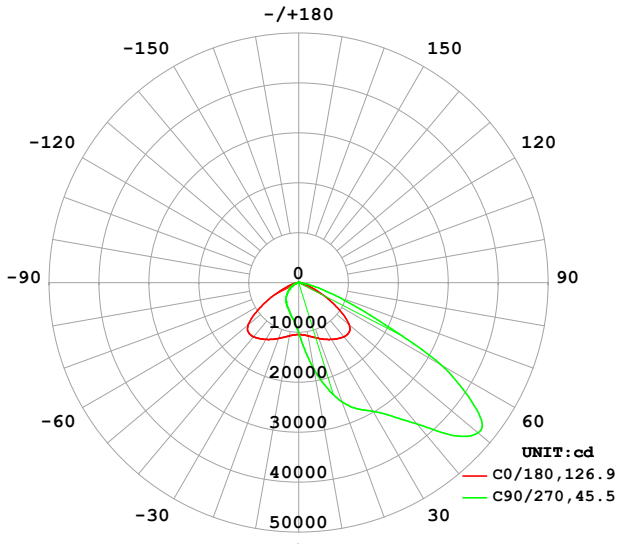
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:66083.5x1 lm		
NAME: FL72-500(500W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

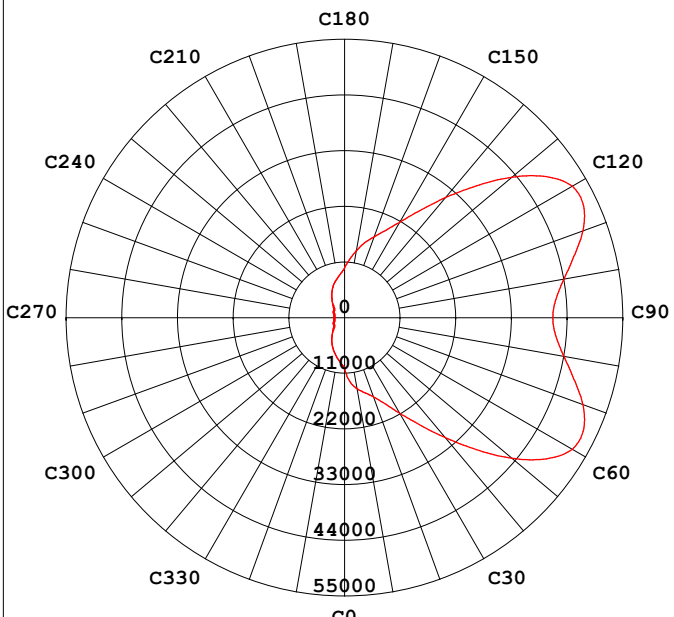
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 134.02 lm/W	
MODEL	/	Imax(cd)	51991	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	66084	η house_up(%)	0.0
NOMINAL FLUX(lm)	66083.5	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

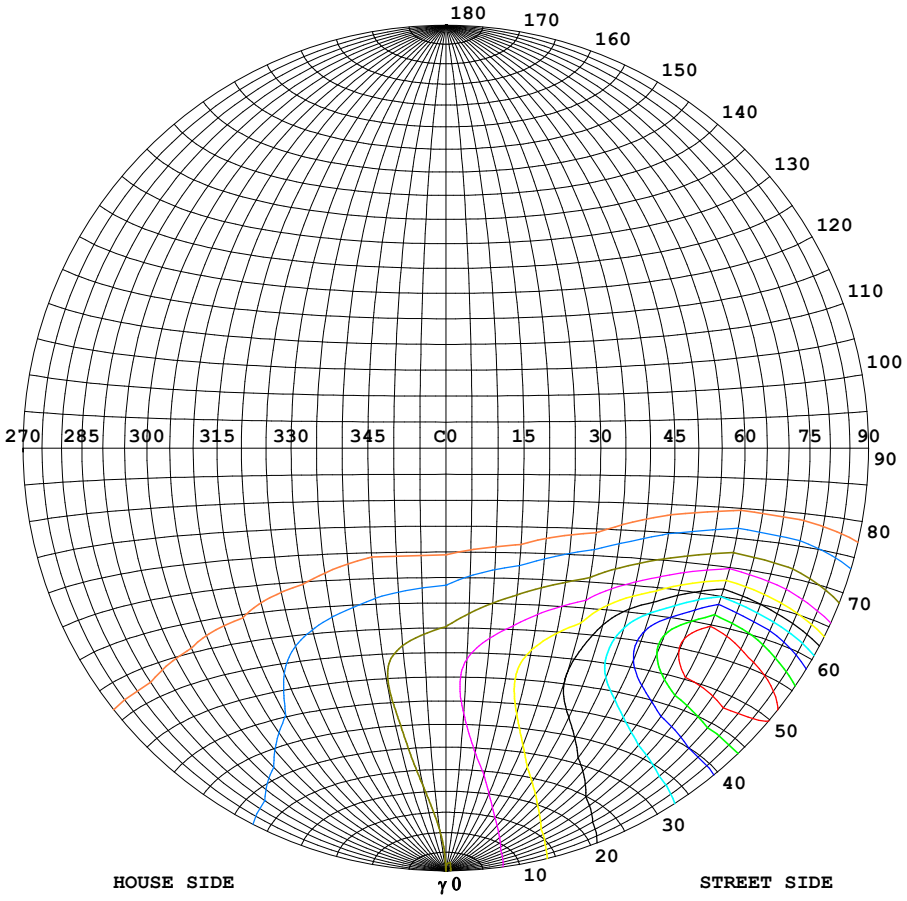


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

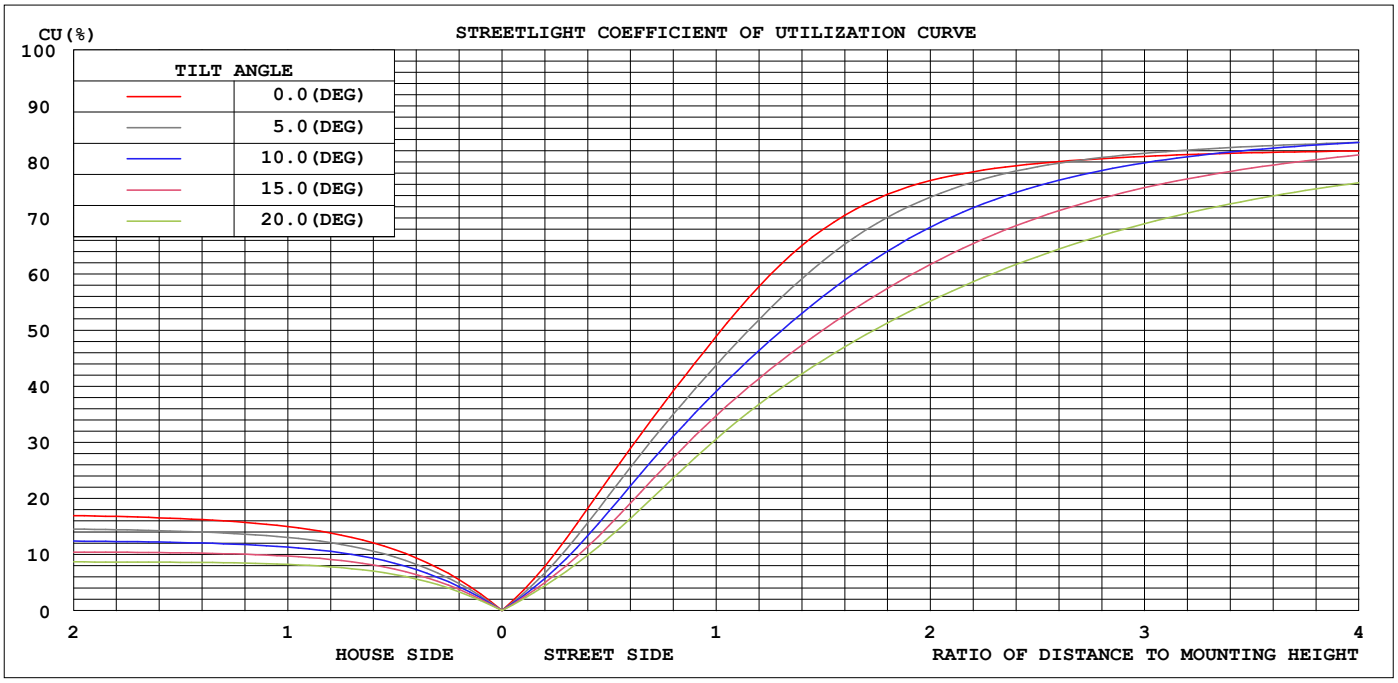
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

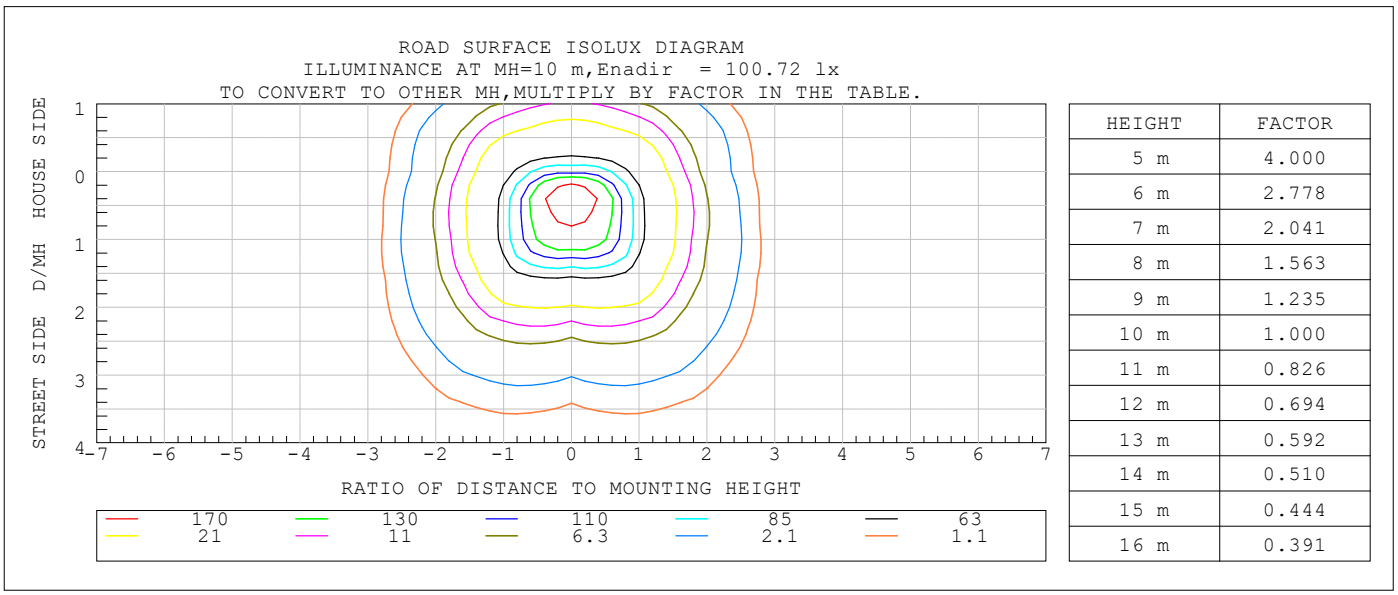
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	51991
90%	46791
80%	41592
70%	36393
60%	31194
50%	25995
40%	20796
30%	15597
20%	10398
10%	5199
5%	2600

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:

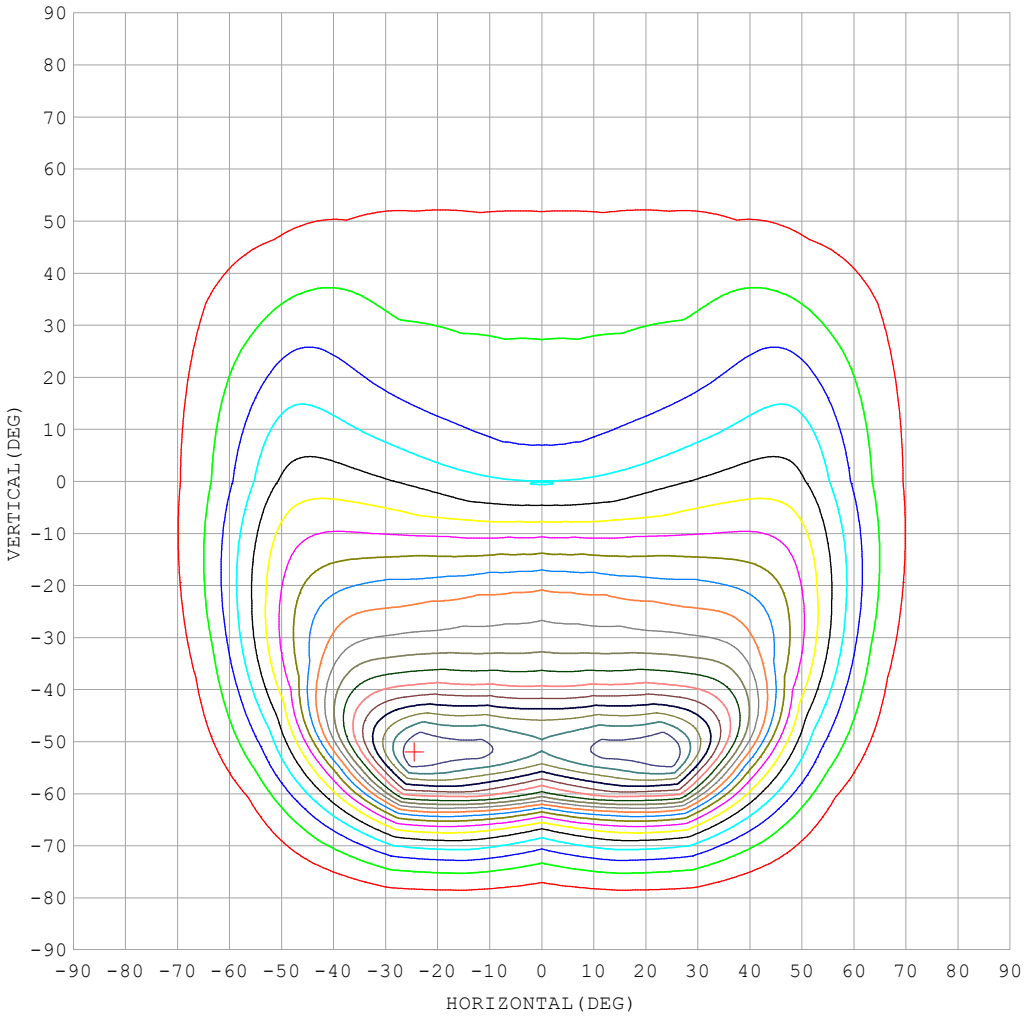
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1085	1500	1756	1500	1085	787.3	724.9	787.3	0- 10	1034	1034	1.56,1.56
20	1192	2081	2542	2081	1192	691.9	583.1	691.9	10- 20	3620	4653	7.04,7.04
30	1316	2556	2978	2556	1316	608.1	494.6	608.1	20- 30	6834	11487	17.4,17.4
40	1417	2931	3704	2931	1417	522.2	392.9	522.2	30- 40	10319	21806	33,33
50	1325	3558	4685	3558	1325	420.6	277.9	420.6	40- 50	14611	36417	55.1,55.1
60	739.6	3174	3294	3174	739.6	250.1	179.1	250.1	50- 60	16797	53214	80.5,80.5
70	241.1	1071	854.5	1071	241.1	115.3	82.11	115.3	60- 70	9862	63076	95.4,95.4
80	57.45	159.4	122.9	159.4	57.45	28.96	18.11	28.96	70- 80	2748	65824	99.6,99.6
90	1.755	0.4170	0.4526	0.4170	1.755	11.27	12.44	11.27	80- 90	259.1	66084	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



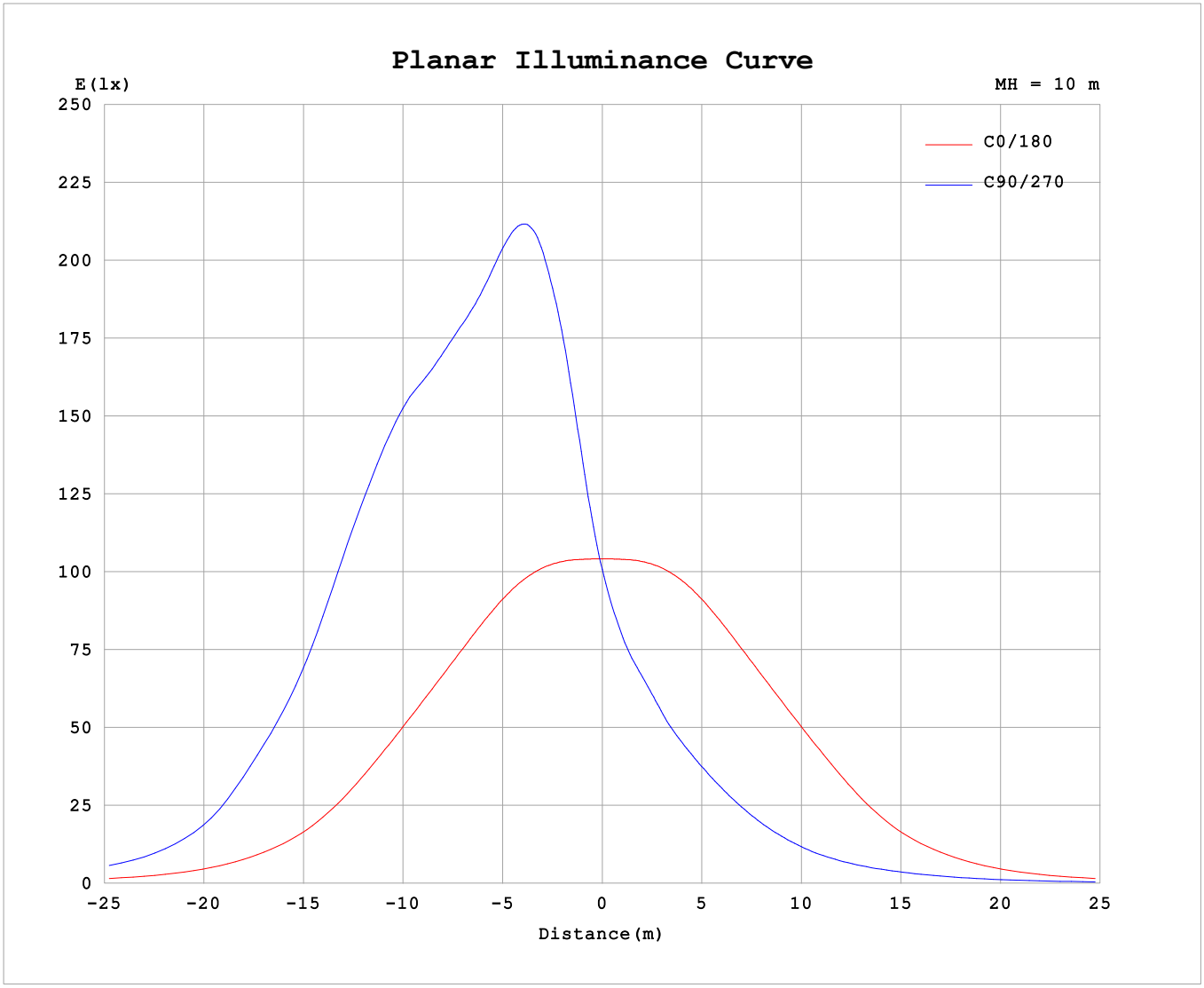
Imax:51942(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



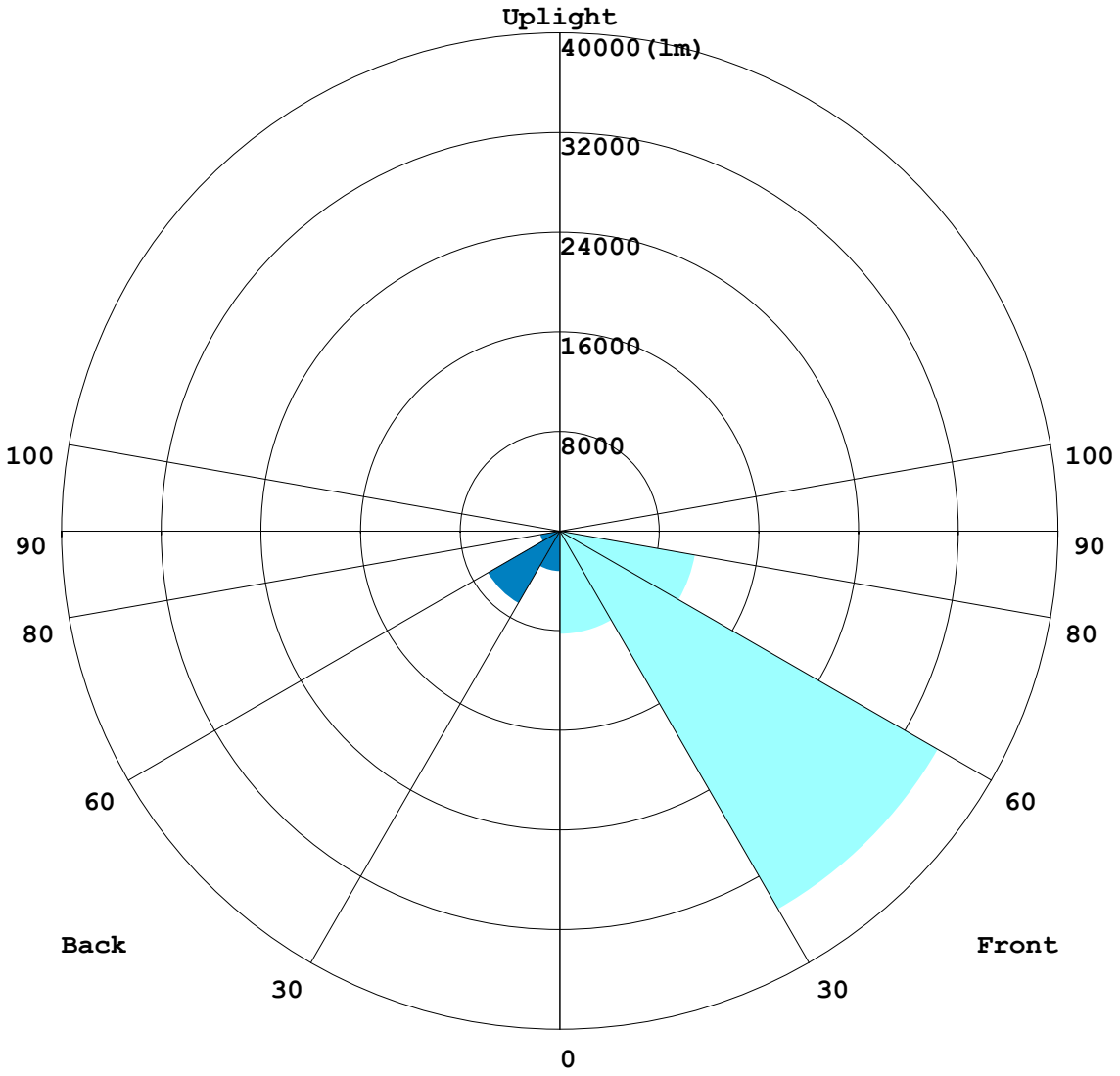
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:66083.5x1 lm		
NAME: FL72-500(500W)-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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:66083.5x1 lm		
NAME: FL72-500(500W)-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)	8258.4	12.5
FM - Front-Medium(30-60)	35048	53.0
FH - Front-High(60-80)	11024	16.7
FVH - Front-Very High(80-90)	179.62	0.3
Total Forward Light	54510	82.5
BL - Back-Low(0-30)	3228.4	4.9
BM - Back-Medium(30-60)	6679.2	10.1
BH - Back-High(60-80)	1586.3	2.4
BVH - Back-Very High(80-90)	79.484	0.1
Total Back Light	11573	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	B4-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11573	0	11573
Street Side	54510	0	54510

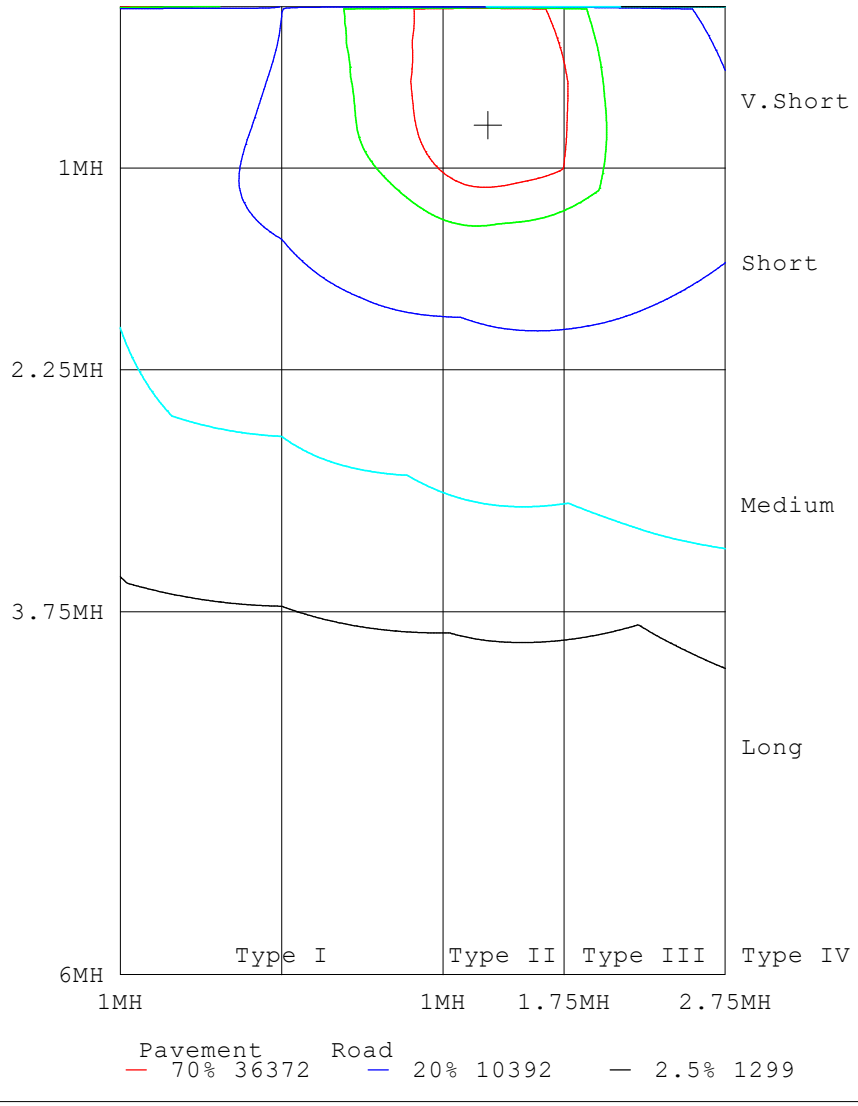
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:66083.5x1 lm		
NAME: FL72-500(500W)-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	1042	1008	1009	1006	1008	1005	1009	1005	1008	1006	1009	1008	1042	1008	1009	1006	1008	1005	1009
5	1053	1083	1154	1217	1277	1309	1328	1309	1277	1217	1154	1083	1053	960	913	874	849	831	828
10	1085	1187	1345	1500	1639	1712	1756	1712	1639	1500	1345	1187	1085	939	852	787	749	729	725
15	1133	1308	1564	1804	2006	2115	2172	2115	2006	1804	1564	1308	1133	936	816	738	688	659	652
20	1192	1441	1790	2081	2339	2479	2542	2479	2339	2081	1790	1441	1192	948	799	692	625	590	583
25	1256	1580	2000	2338	2606	2733	2790	2733	2606	2338	2000	1580	1256	966	778	645	579	546	538
30	1316	1713	2188	2556	2806	2922	2978	2922	2806	2556	2188	1713	1316	985	751	608	537	502	495
35	1371	1833	2359	2738	3013	3191	3269	3191	3013	2738	2359	1833	1371	1001	728	568	491	455	447
40	1417	1932	2504	2931	3363	3642	3704	3642	3363	2931	2504	1932	1417	1023	713	522	440	402	393
45	1422	1978	2593	3212	3894	4296	4316	4296	3894	3212	2593	1978	1422	1029	694	477	385	343	334
50	1325	1902	2552	3558	4629	4893	4685	4893	4629	3558	2552	1902	1325	972	645	421	325	286	278
55	1055	1613	2270	3716	5178	4848	4292	4848	5178	3716	2270	1613	1055	787	540	336	268	235	228
60	740	1195	1741	3174	4605	3994	3294	3994	4605	3174	1741	1195	740	561	387	250	210	185	179
65	438	744	1128	1941	3099	2344	1681	2344	3099	1941	1128	744	438	391	249	173	150	132	126
70	241	346	625	1071	1509	1243	854	1243	1509	1071	625	346	241	236	155	115	98.9	86.6	82.1
75	129	152	219	497	698	602	393	602	698	497	219	152	129	128	93.3	67.8	54.8	46.4	44.0
80	57.5	62.6	64.1	159	234	195	123	195	234	159	64.1	62.6	57.5	54.9	42.0	29.0	22.8	19.3	18.1
85	12.9	12.5	9.46	15.8	19.7	12.2	9.45	12.2	19.7	15.8	9.46	12.5	12.9	13.7	10.4	9.63	10.2	9.62	8.95
90	1.76	0.38	0.39	0.42	0.44	0.45	0.45	0.45	0.44	0.42	0.39	0.38	1.76	4.62	7.49	11.3	13.6	13.3	12.4

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	1005	1008	1006	1009	1008														
5	831	849	874	913	960														
10	729	749	787	852	939														
15	659	688	738	816	936														
20	590	625	692	799	948														
25	546	579	645	778	966														
30	502	537	608	751	985														
35	455	491	568	728	1001														
40	402	440	522	713	1023														
45	343	385	477	694	1029														
50	286	325	421	645	972														
55	235	268	336	540	787														
60	185	210	250	387	561														
65	132	150	173	249	391														
70	86.6	98.9	115	155	236														
75	46.4	54.8	67.8	93.3	128														
80	19.3	22.8	29.0	42.0	54.9														
85	9.62	10.2	9.63	10.4	13.7														
90	13.3	13.6	11.3	7.49	4.62														

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: