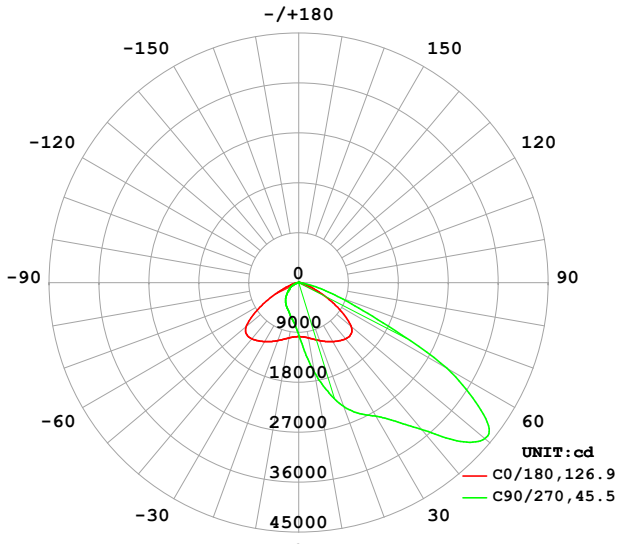
STREETLIGHT PHOTOMETRIC TEST REPORT

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:61754.4x1 lm		
NAME: FL72-500(500W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

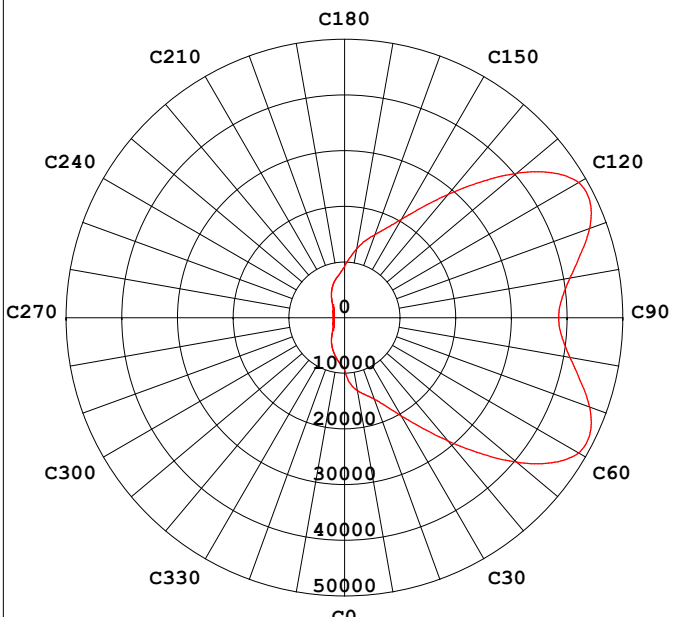
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 125.24 lm/W	
MODEL	/	Imax(cd)	48585	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.5
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	61754	η house_up(%)	0.0
NOMINAL FLUX(lm)	61754.4	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	17.5
LAMPS INSIDE	1	η up(%)	0.0	76 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

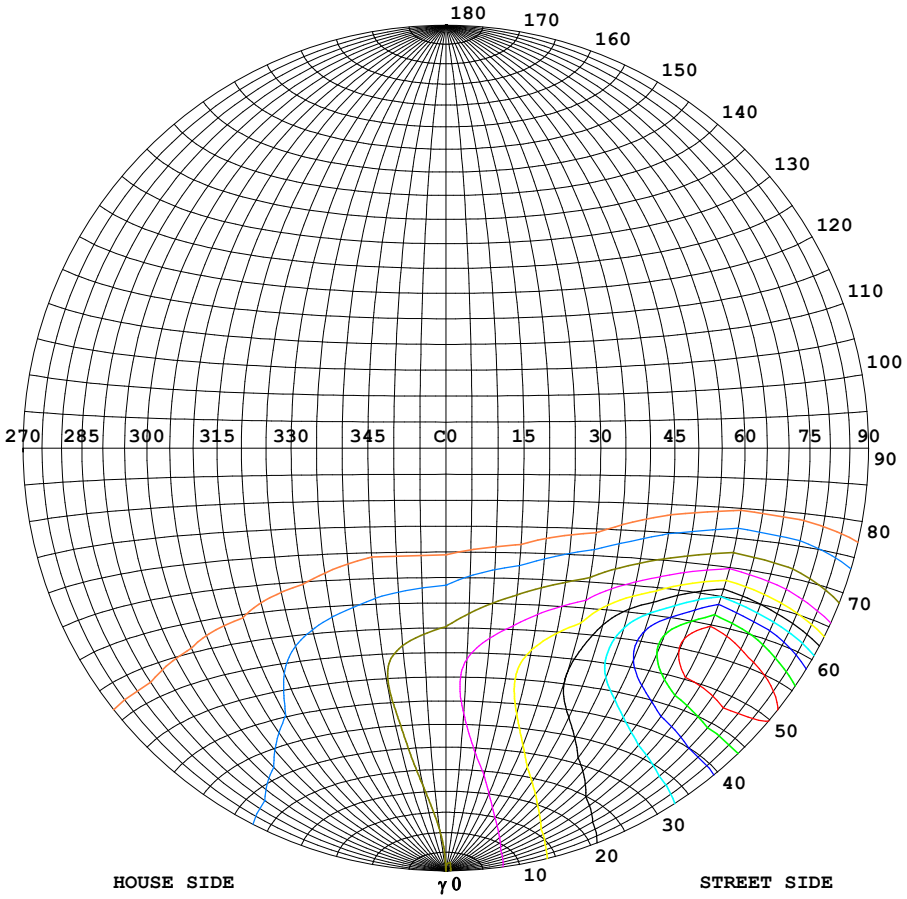


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

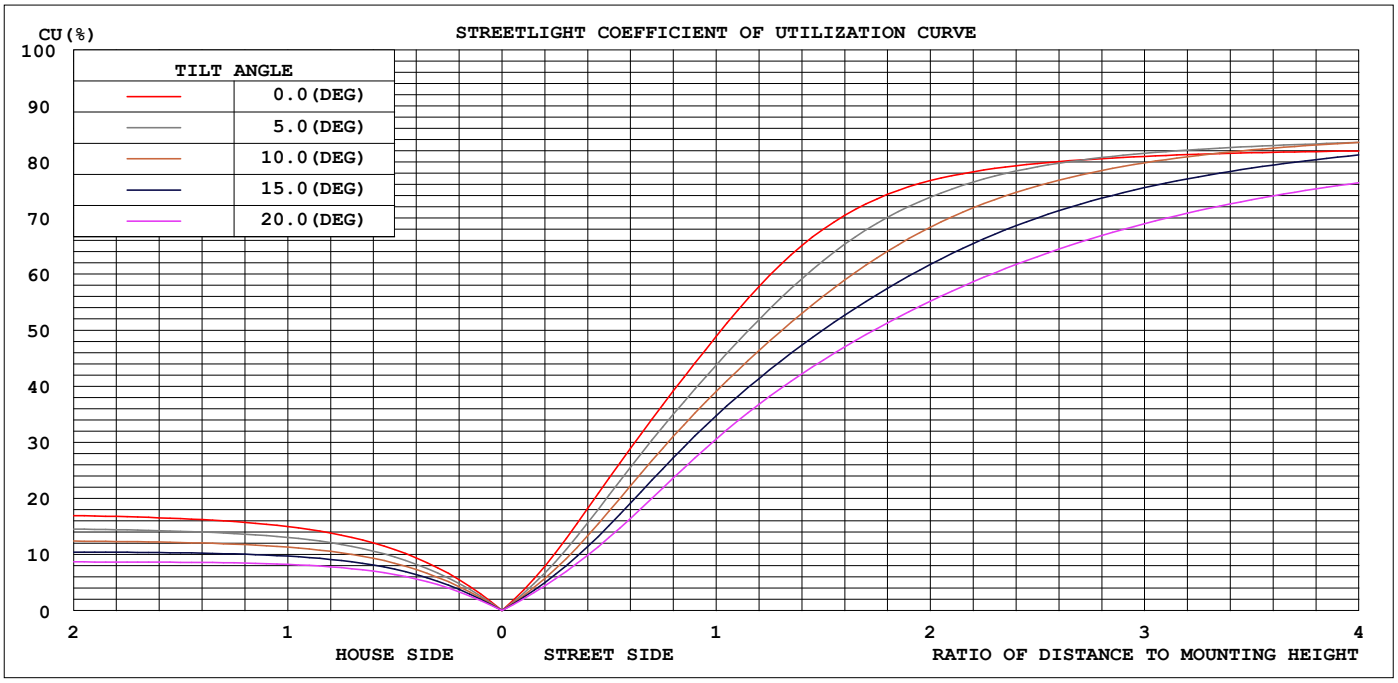
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:35.44cd/klm
Max.At90:2.064cd/klm
Max.80-90:35.44cd/klm

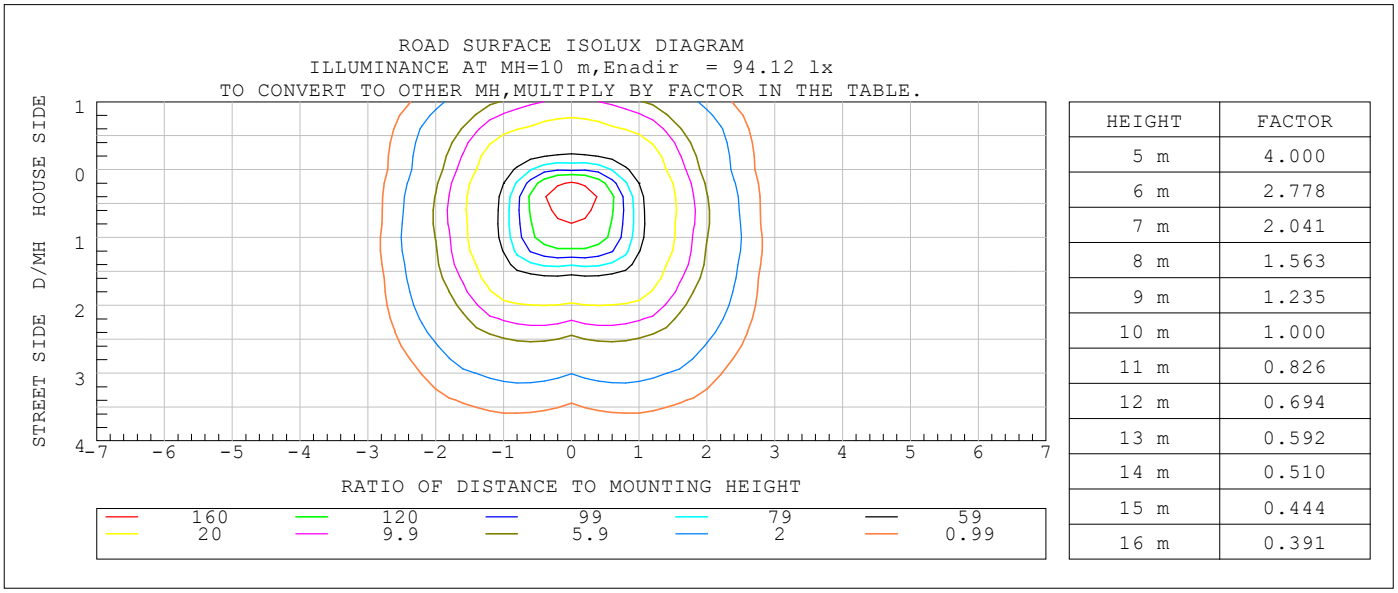
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	48585
90%	43726
80%	38868
70%	34009
60%	29151
50%	24292
40%	19434
30%	14575
20%	9717
10%	4858
5%	2429

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:

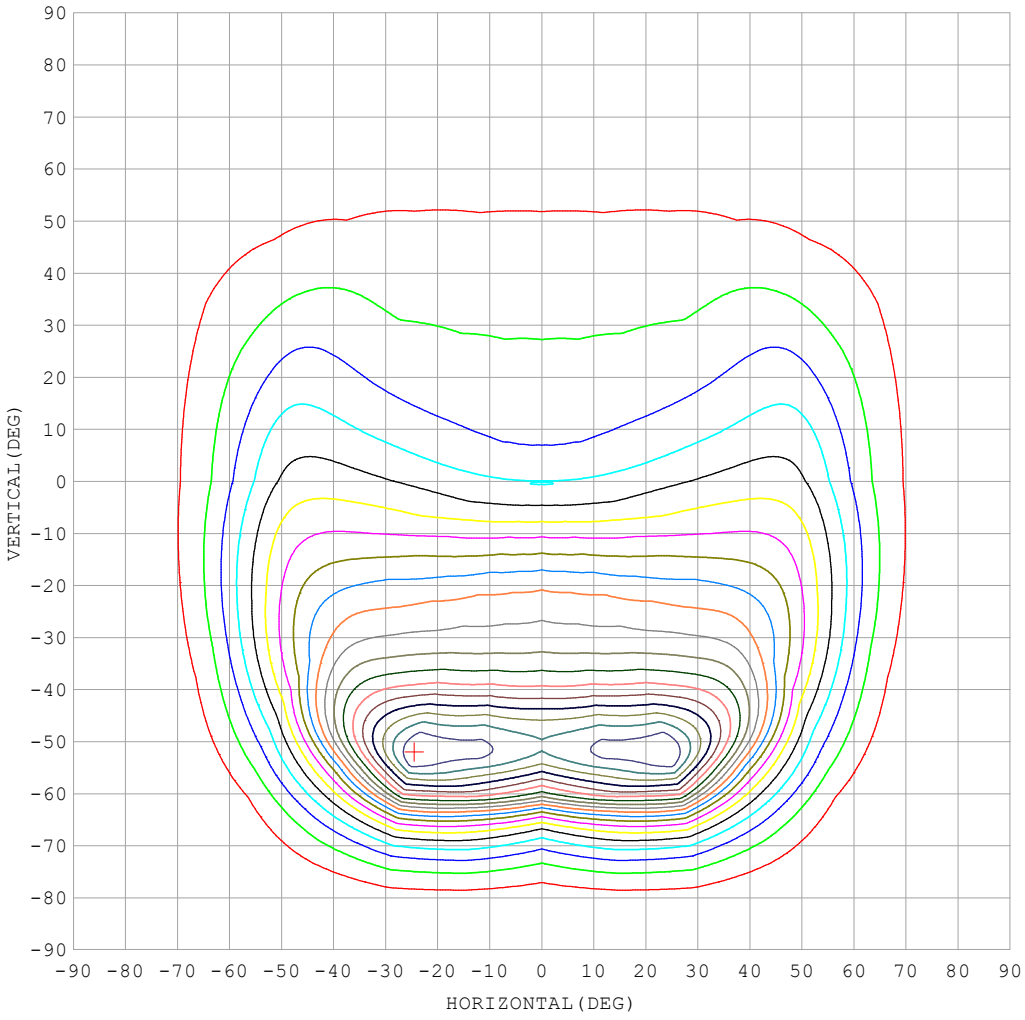
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1014	1402	1641	1402	1014	735.8	677.4	735.8	0- 10	965.9	965.9	1.56,1.56
20	1114	1944	2376	1944	1114	646.6	544.9	646.6	10- 20	3383	4348	7.04,7.04
30	1230	2388	2782	2388	1230	568.3	462.2	568.3	20- 30	6386	10734	17.4,17.4
40	1324	2739	3461	2739	1324	488.0	367.2	488.0	30- 40	9643	20378	33,33
50	1238	3325	4378	3325	1238	393.1	259.7	393.1	40- 50	13654	34031	55.1,55.1
60	691.1	2966	3078	2966	691.1	233.7	167.4	233.7	50- 60	15697	49728	80.5,80.5
70	225.3	1001	798.5	1001	225.3	107.7	76.73	107.7	60- 70	9216	58944	95.4,95.4
80	53.69	148.9	114.8	148.9	53.69	27.07	16.92	27.07	70- 80	2568	61512	99.6,99.6
90	1.640	0.3897	0.4230	0.3897	1.640	10.53	11.63	10.53	80- 90	242.1	61754	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



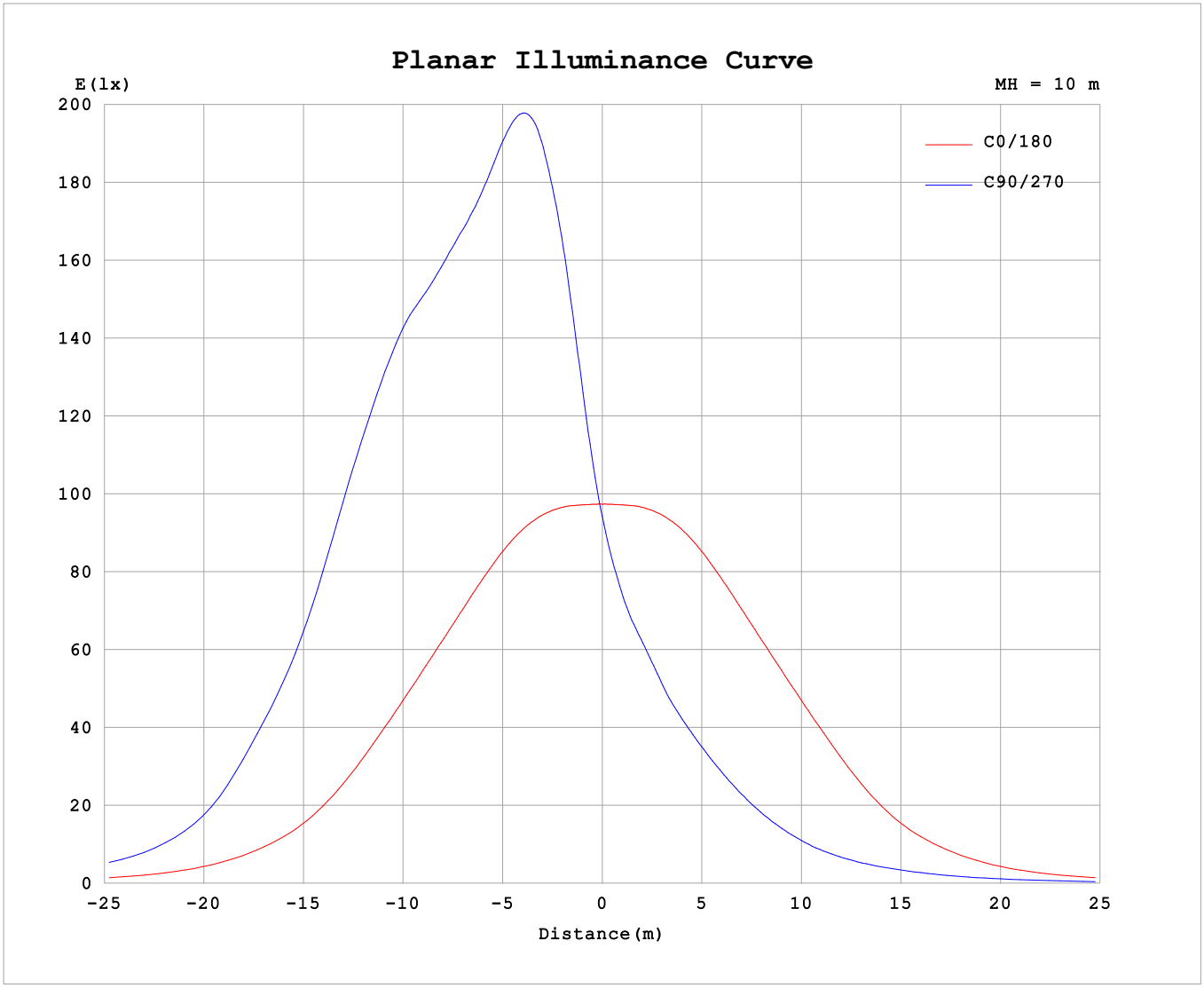
Imax:48539(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



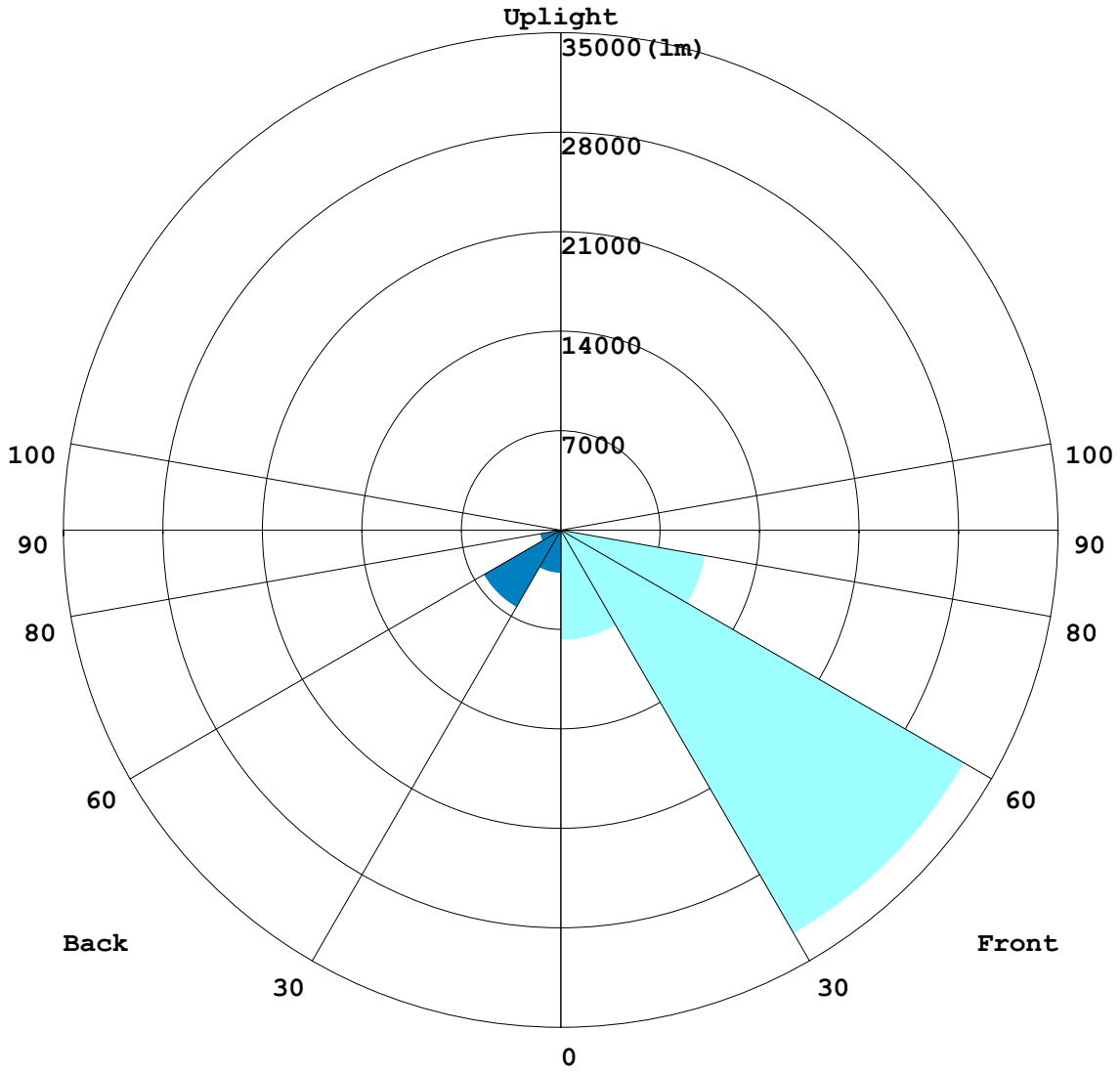
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:61754.4x1 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:61754.4x1 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)	7717.4	12.5
FM - Front-Medium(30-60)	32752	53.0
FH - Front-High(60-80)	10302	16.7
FVH - Front-Very High(80-90)	167.85	0.3
Total Forward Light	50939	82.5

BL - Back-Low(0-30)	3016.9	4.9
BM - Back-Medium(30-60)	6241.6	10.1
BH - Back-High(60-80)	1482.4	2.4
BVH - Back-Very High(80-90)	74.277	0.1
Total Back Light	10815	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	10815	0	10815
Street Side	50939	0	50939

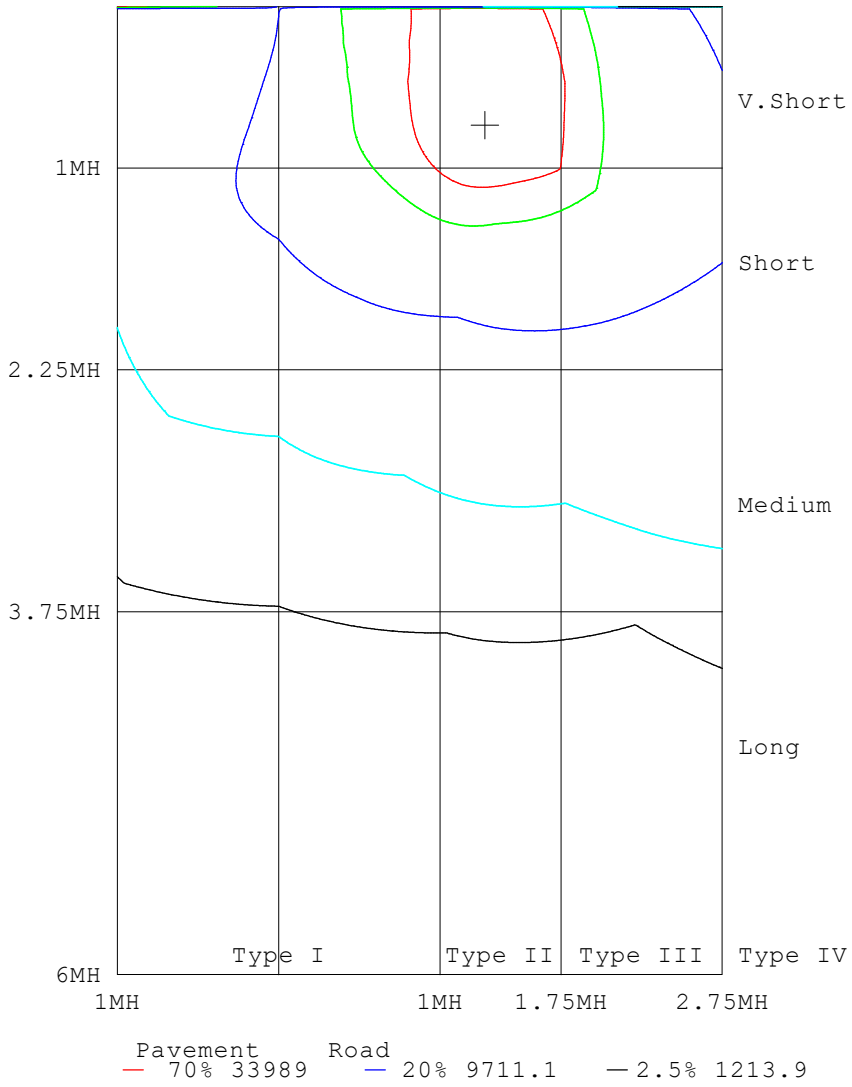
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:61754.4x1 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	974	942	943	940	942	940	943	940	942	940	943	942	974	942	943	940	942	940	943
5	984	1012	1078	1137	1193	1223	1241	1223	1193	1137	1078	1012	984	897	853	817	793	776	773
10	1014	1109	1257	1402	1532	1600	1641	1600	1532	1402	1257	1109	1014	877	797	736	700	682	677
15	1059	1222	1461	1685	1874	1977	2030	1977	1874	1685	1461	1222	1059	875	763	690	643	616	609
20	1114	1347	1673	1944	2186	2317	2376	2317	2186	1944	1673	1347	1114	886	746	647	585	552	545
25	1174	1476	1869	2185	2435	2554	2607	2554	2435	2185	1869	1476	1174	903	727	602	541	510	503
30	1230	1601	2045	2388	2622	2730	2782	2730	2622	2388	2045	1601	1230	920	702	568	502	469	462
35	1281	1713	2204	2558	2815	2982	3055	2982	2815	2558	2204	1713	1281	935	680	531	458	425	417
40	1324	1805	2340	2739	3143	3404	3461	3404	3143	2739	2340	1805	1324	956	666	488	411	376	367
45	1329	1849	2424	3002	3639	4014	4033	4014	3639	3002	2424	1849	1329	962	649	446	359	321	313
50	1238	1777	2385	3325	4326	4573	4378	4573	4326	3325	2385	1777	1238	908	603	393	304	267	260
55	986	1507	2121	3472	4838	4530	4011	4530	4838	3472	2121	1507	986	735	504	314	251	220	213
60	691	1117	1627	2966	4303	3733	3078	3733	4303	2966	1627	1117	691	524	361	234	197	173	167
65	409	695	1054	1813	2896	2190	1571	2190	2896	1813	1054	695	409	366	232	162	140	124	118
70	225	324	584	1001	1410	1162	798	1162	1410	1001	584	324	225	220	145	108	92.4	80.9	76.7
75	120	142	205	464	652	562	368	562	652	464	205	142	120	119	87.2	63.3	51.2	43.3	41.1
80	53.7	58.5	59.9	149	219	182	115	182	219	149	59.9	58.5	53.7	51.3	39.2	27.1	21.3	18.0	16.9
85	12.0	11.7	8.84	14.8	18.4	11.4	8.83	11.4	18.4	14.8	8.84	11.7	12.0	12.8	9.72	9.00	9.51	8.99	8.36
90	1.64	0.36	0.36	0.39	0.41	0.42	0.42	0.42	0.41	0.39	0.36	0.36	1.64	4.32	7.00	10.5	12.7	12.5	11.6

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	940	942	940	943	942														
5	776	793	817	853	897														
10	682	700	736	797	877														
15	616	643	690	763	875														
20	552	585	647	746	886														
25	510	541	602	727	903														
30	469	502	568	702	920														
35	425	458	531	680	935														
40	376	411	488	666	956														
45	321	359	446	649	962														
50	267	304	393	603	908														
55	220	251	314	504	735														
60	173	197	234	361	524														
65	124	140	162	232	366														
70	80.9	92.4	108	145	220														
75	43.3	51.2	63.3	87.2	119														
80	18.0	21.3	27.1	39.2	51.3														
85	8.99	9.51	9.00	9.72	12.8														
90	12.5	12.7	10.5	7.00	4.32														

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: