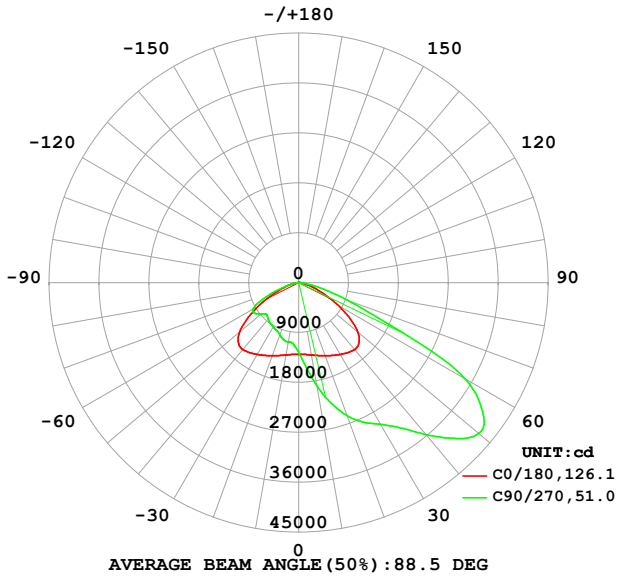
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:73776.9x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

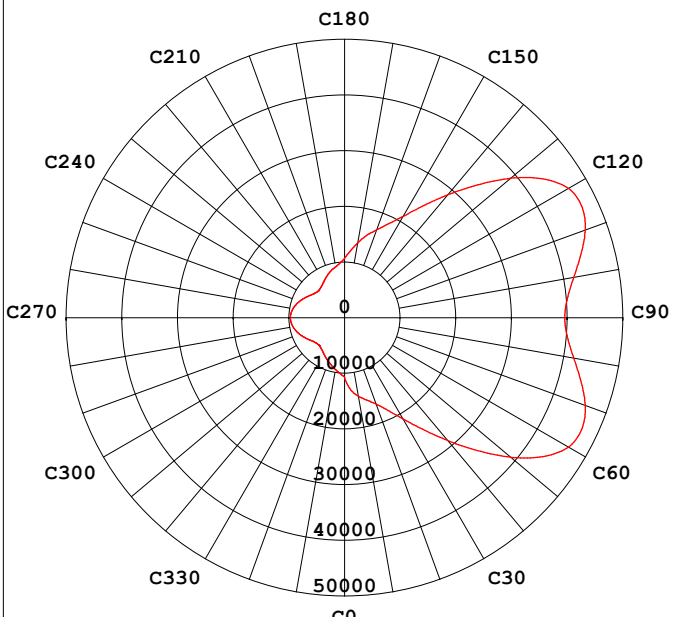
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 149.62 lm/W	
MODEL	/	Imax(cd)	46480	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	73777	η house_up(%)	0.0
NOMINAL FLUX(lm)	73776.9	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):88.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

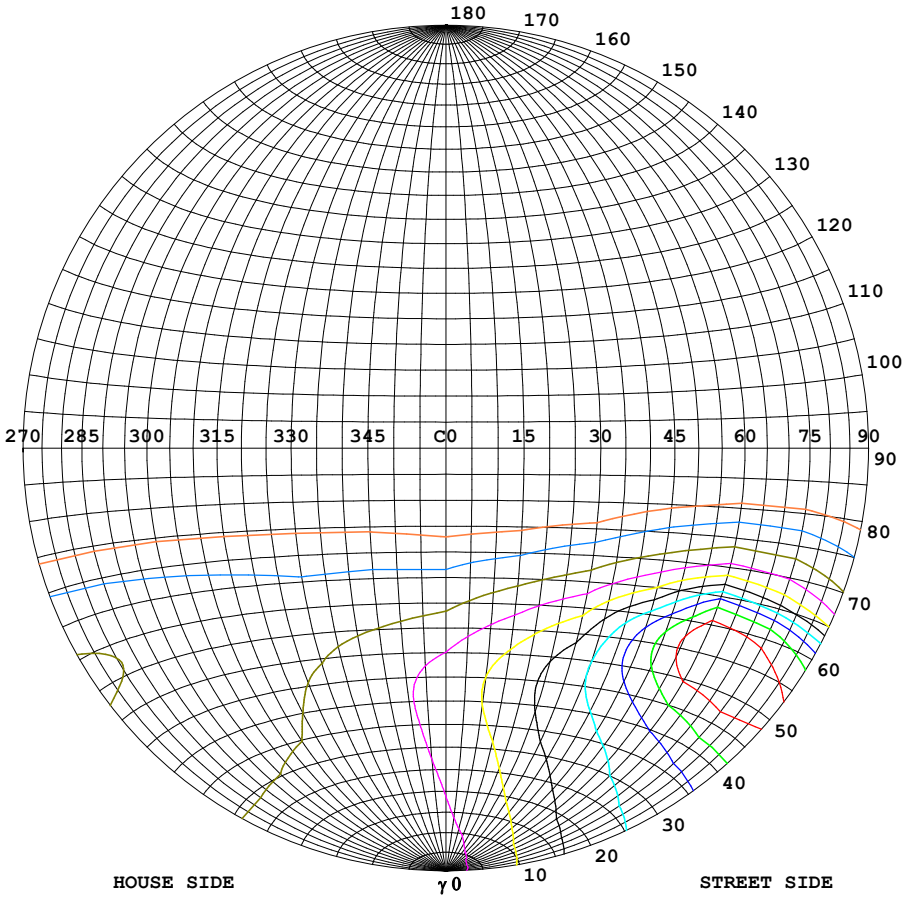


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:

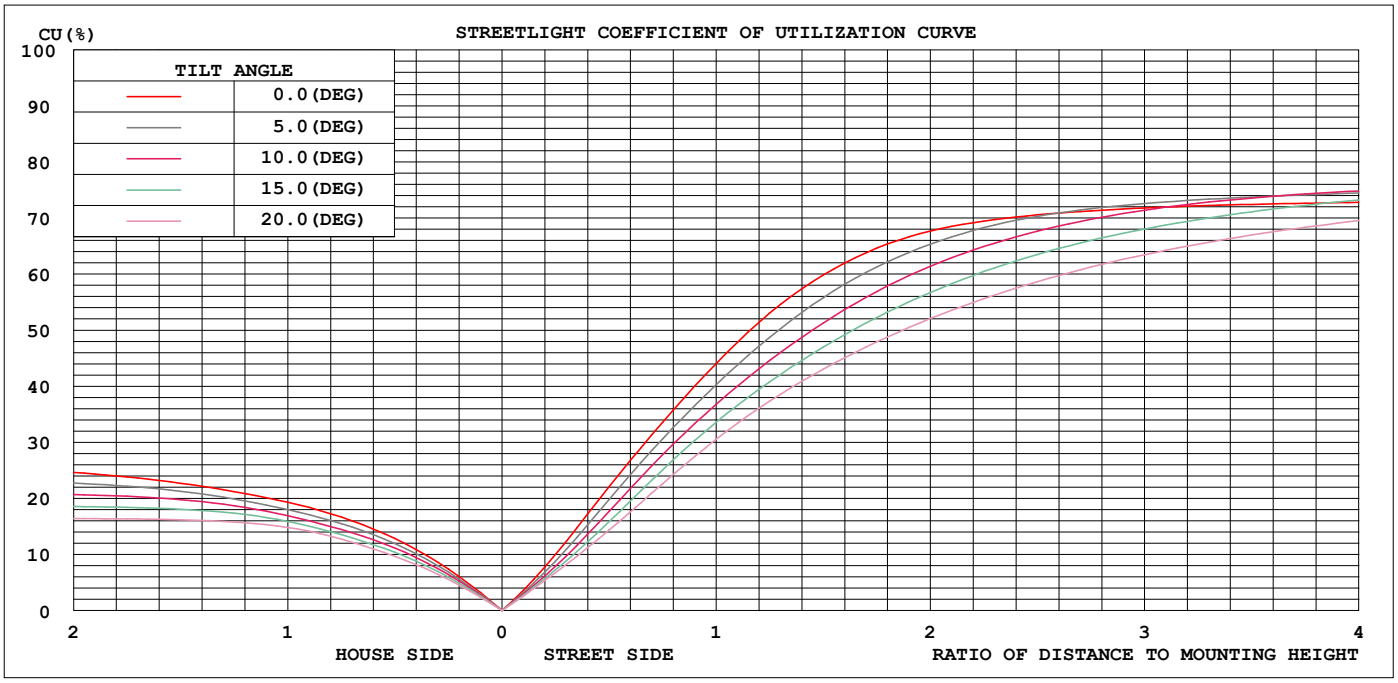
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

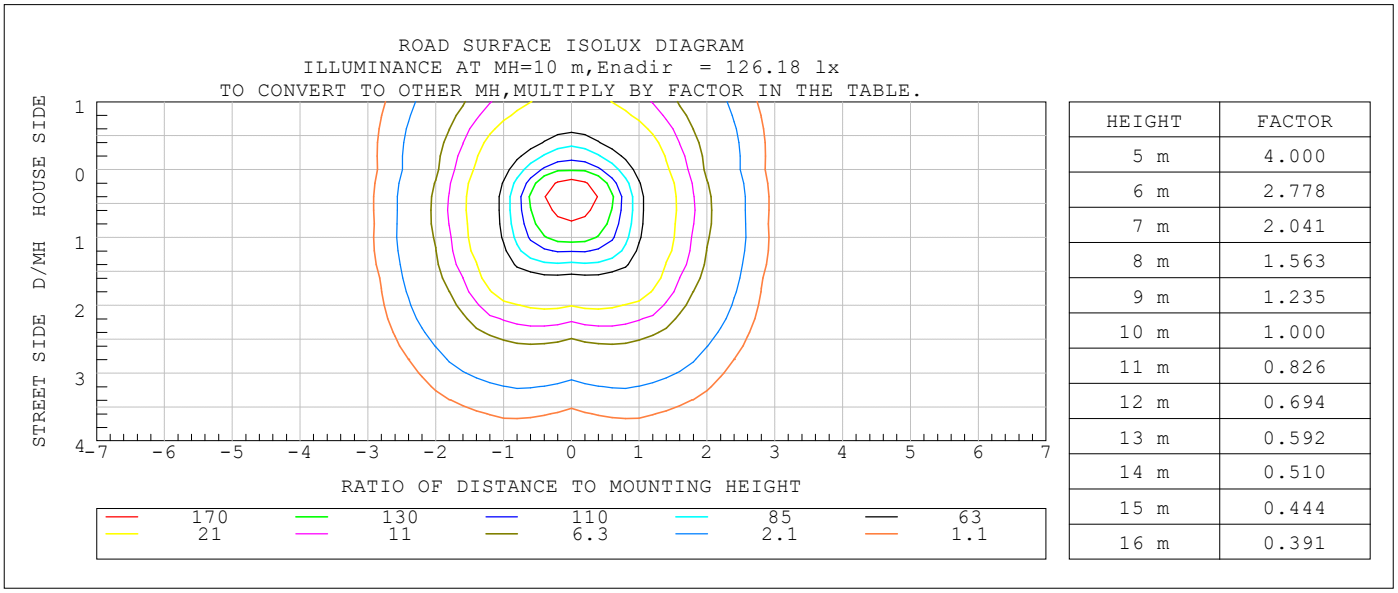
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	46480
90%	41832
80%	37184
70%	32536
60%	27888
50%	23240
40%	18592
30%	13944
20%	9296
10%	4648
5%	2324

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2026-01-15

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:

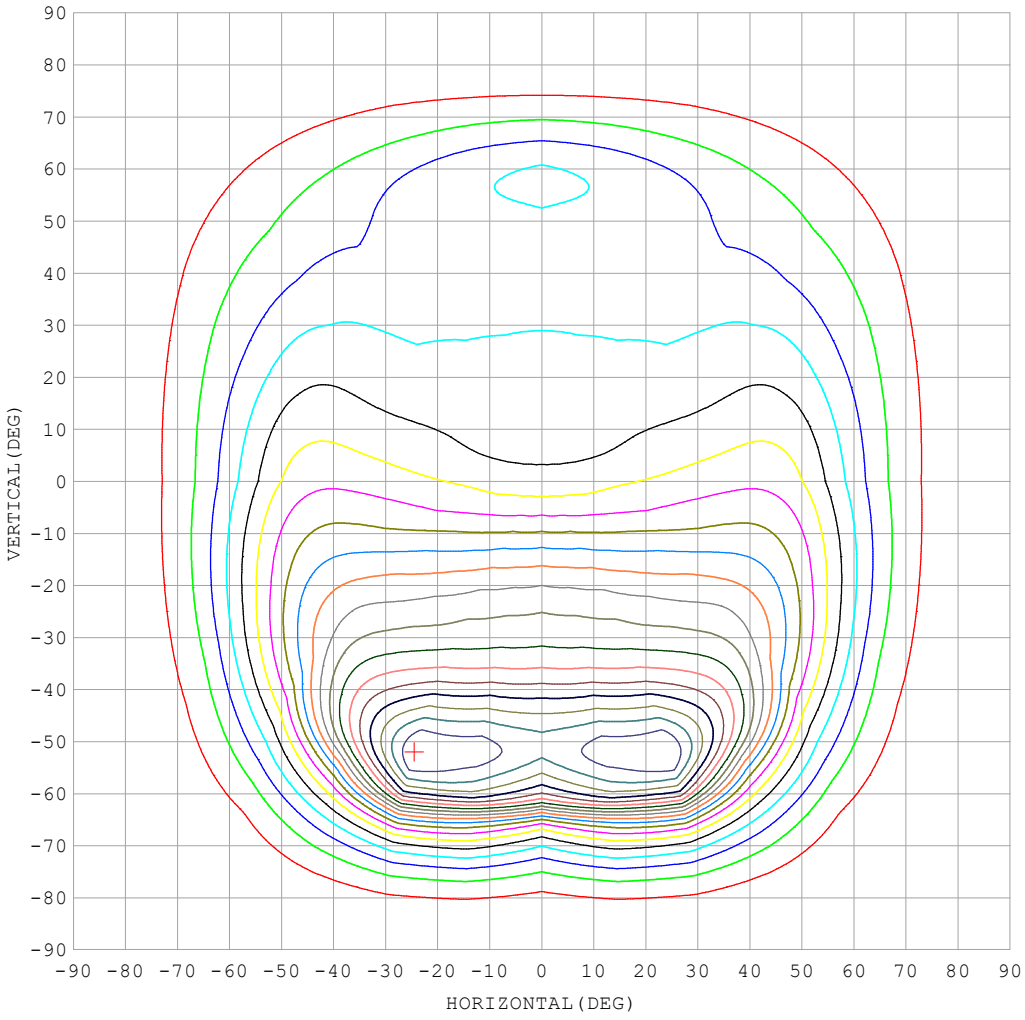
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1326	1657	1886	1657	1326	1101	1087	1101	0- 10	1267	1267	1.72,1.72
20	1404	2160	2552	2160	1404	1073	1001	1073	10- 20	4282	5549	7.52,7.52
30	1497	2557	2951	2557	1497	969.7	922.6	969.7	20- 30	7764	13313	18,18
40	1575	2901	3580	2901	1575	883.8	860.6	883.8	30- 40	11432	24745	33.5,33.5
50	1396	3382	4236	3382	1396	769.2	878.6	769.2	40- 50	15480	40226	54.5,54.5
60	830.5	2903	3462	2903	830.5	624.1	950.8	624.1	50- 60	17614	57840	78.4,78.4
70	326.1	1084	942.5	1084	326.1	372.9	433.3	372.9	60- 70	11711	69551	94.3,94.3
80	82.56	197.5	178.2	197.5	82.56	95.22	82.62	95.22	70- 80	3759	73311	99.4,99.4
90	2.247	0.5995	0.6705	0.5995	2.247	11.45	13.35	11.45	80- 90	466.3	73777	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:2026-01-15

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



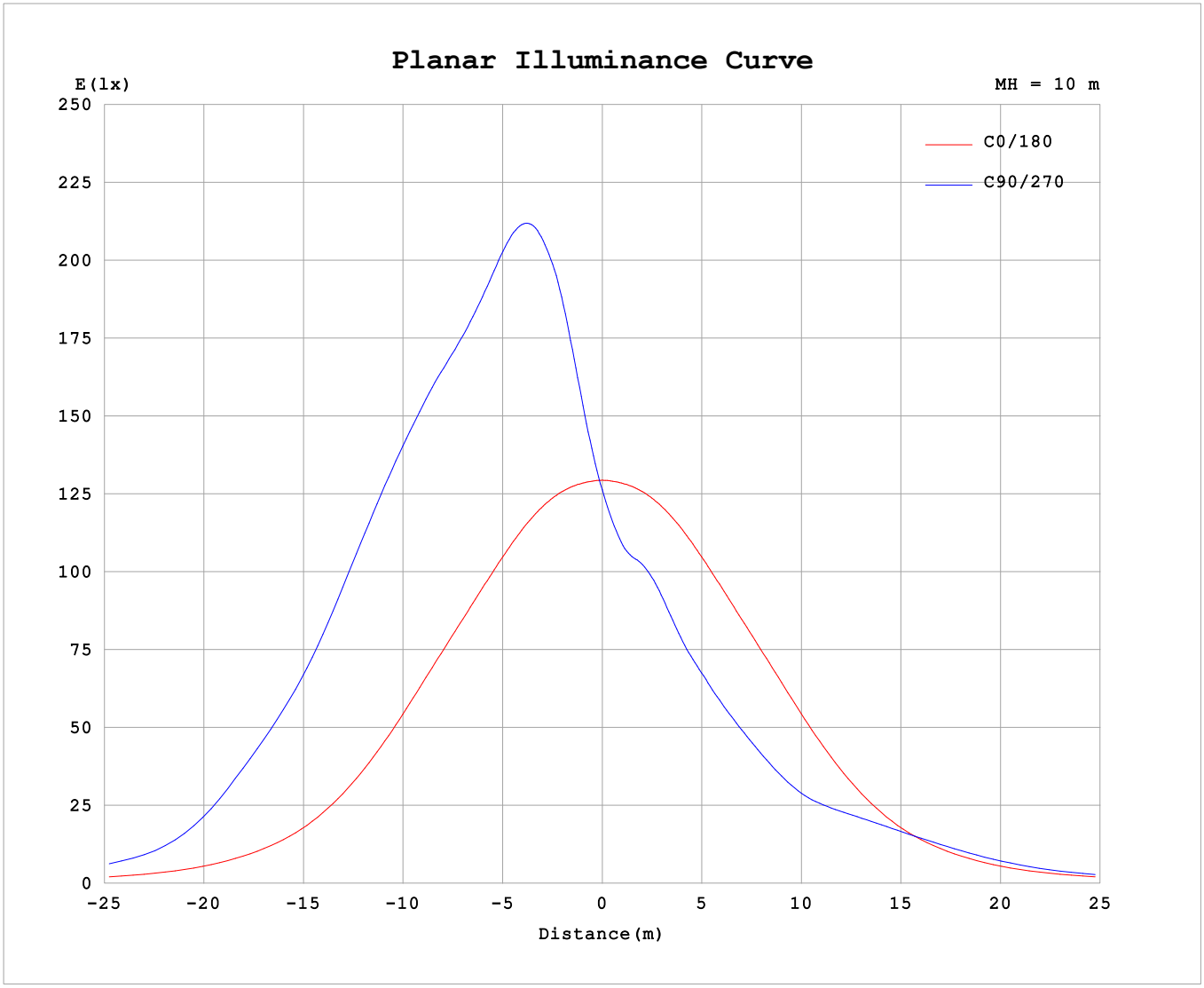
Imax:46439(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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



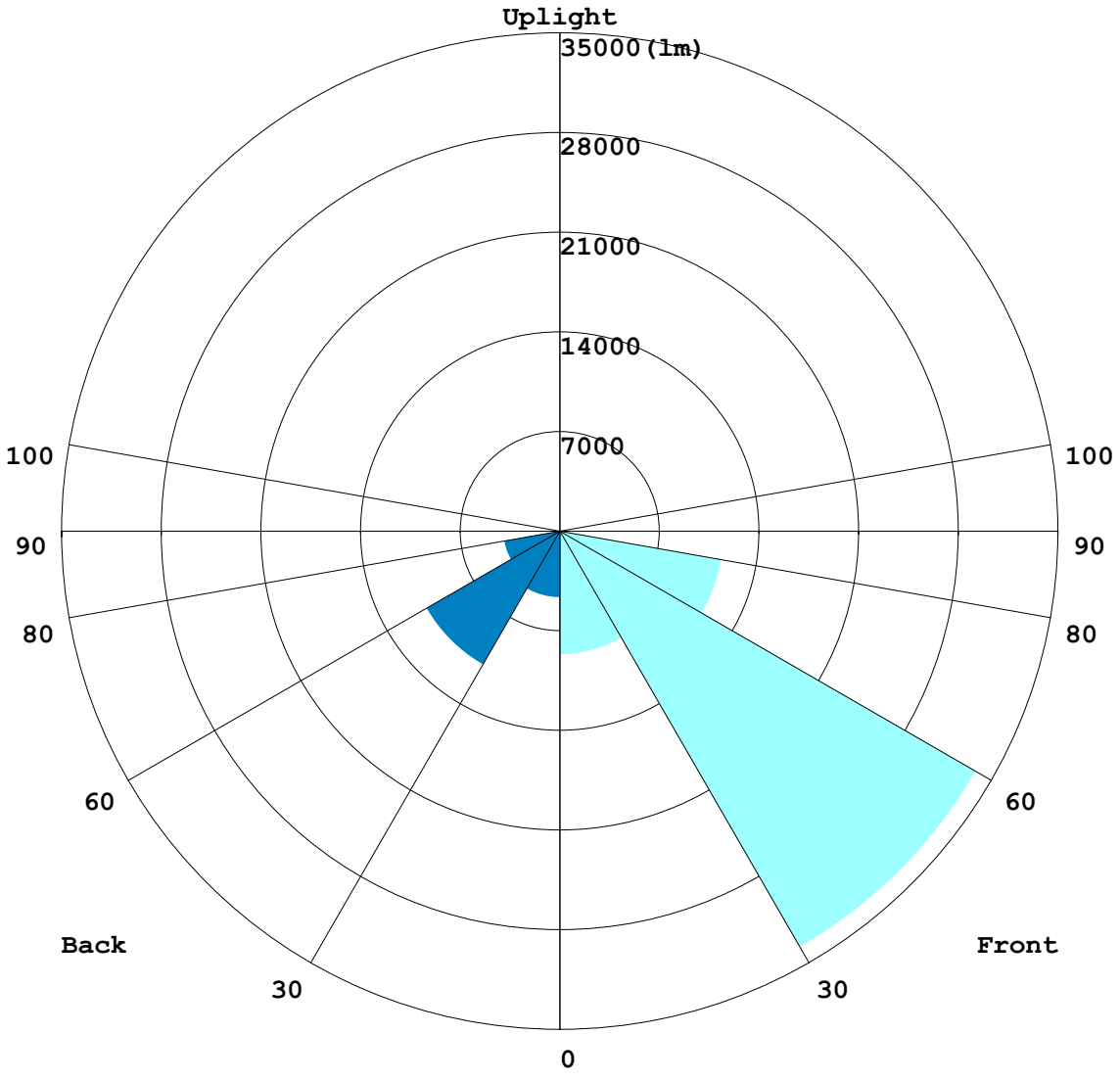
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:73776.9x1 lm		
NAME: FL72-500(500W)-F04803	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:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:73776.9x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8658.7	11.7
FM - Front-Medium(30-60)	33718	45.7
FH - Front-High(60-80)	11509	15.6
FVH - Front-Very High(80-90)	289.01	0.4
Total Forward Light	54175	73.4
BL - Back-Low(0-30)	4654.7	6.3
BM - Back-Medium(30-60)	10808	14.6
BH - Back-High(60-80)	3961.2	5.4
BVH - Back-Very High(80-90)	177.31	0.2
Total Back Light	19601	26.6
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	B5-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19601	0	19601
Street Side	54175	0	54175

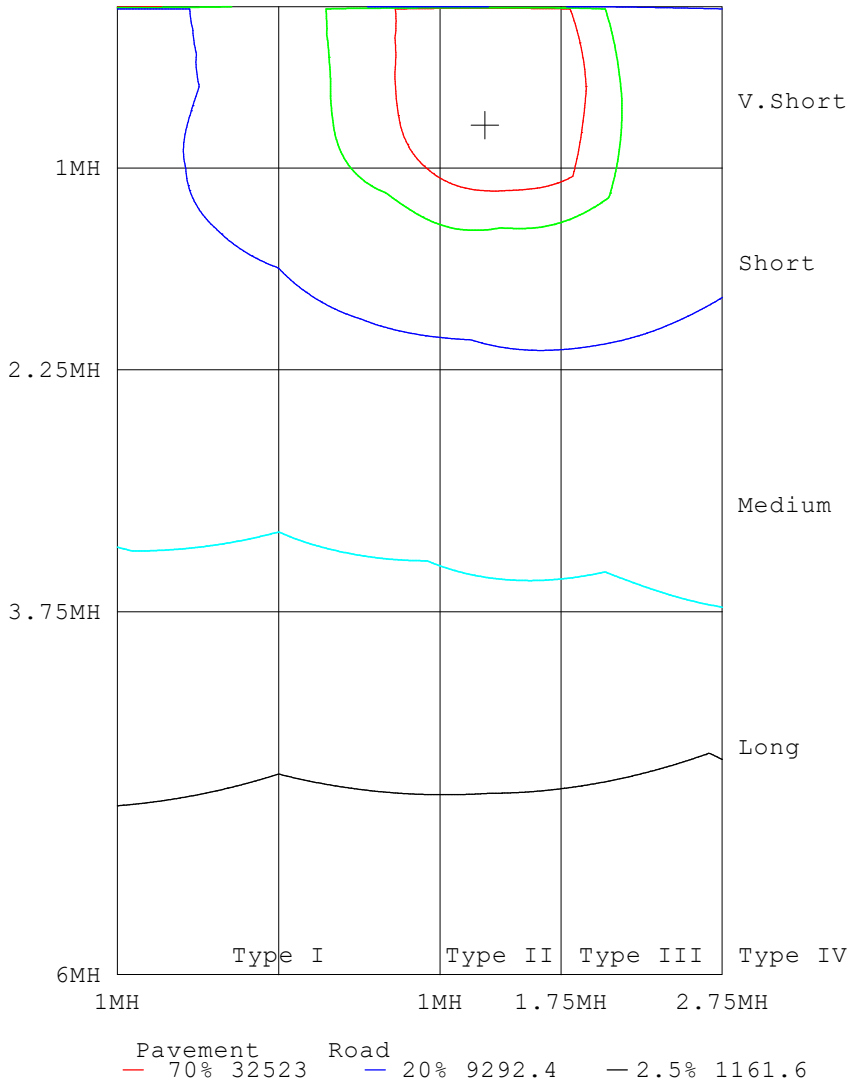
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:73776.9x1 lm		
NAME: FL72-500(500W)-F04803	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:2026-01-15

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	1294	1263	1263	1261	1263	1260	1263	1260	1263	1261	1263	1263	1294	1263	1263	1261	1263	1260	1263
5	1302	1323	1380	1425	1480	1500	1522	1500	1480	1425	1380	1323	1302	1224	1185	1154	1135	1121	1119
10	1326	1405	1534	1657	1783	1847	1886	1847	1783	1657	1534	1405	1326	1206	1140	1101	1088	1086	1087
15	1362	1501	1713	1920	2101	2194	2242	2194	2101	1920	1713	1501	1362	1204	1129	1101	1081	1069	1068
20	1404	1605	1901	2160	2377	2497	2552	2497	2377	2160	1901	1605	1404	1214	1136	1073	1031	1006	1001
25	1450	1713	2077	2371	2608	2727	2778	2727	2608	2371	2077	1713	1450	1232	1114	1017	970	952	952
30	1497	1823	2238	2557	2788	2904	2951	2904	2788	2557	2238	1823	1497	1244	1075	970	932	920	923
35	1544	1928	2390	2722	2970	3135	3198	3135	2970	2722	2390	1928	1544	1251	1045	927	894	892	898
40	1575	2011	2516	2901	3272	3520	3580	3520	3272	2901	2516	2011	1575	1262	1021	884	851	854	861
45	1539	2019	2571	3138	3720	3981	3973	3981	3720	3138	2571	2019	1539	1237	988	832	795	804	819
50	1396	1895	2485	3382	4230	4415	4236	4415	4230	3382	2485	1895	1396	1135	909	769	743	832	879
55	1130	1605	2188	3419	4632	4460	4043	4460	4632	3419	2188	1605	1130	939	781	693	764	903	967
60	830	1218	1697	2903	4305	4019	3462	4019	4305	2903	1697	1218	830	712	632	624	751	873	951
65	540	806	1148	1862	3102	2523	1851	2523	3102	1862	1148	806	540	526	490	534	605	671	720
70	326	430	680	1084	1524	1356	942	1356	1524	1084	680	430	326	352	353	373	393	417	433
75	182	210	290	537	738	691	468	691	738	537	290	210	182	207	209	212	213	205	202
80	82.6	91.0	101	198	281	271	178	271	281	198	101	91.0	82.6	95.9	93.6	95.2	92.8	87.8	82.6
85	18.4	19.6	19.1	32.4	55.5	53.9	35.2	53.9	55.5	32.4	19.1	19.6	18.4	22.7	23.1	23.8	24.5	22.8	22.2
90	2.25	0.51	0.54	0.60	0.64	0.66	0.67	0.66	0.64	0.60	0.54	0.51	2.25	5.29	7.88	11.5	13.9	14.0	13.3

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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	1260	1263	1261	1263	1263														
5	1121	1135	1154	1185	1224														
10	1086	1088	1101	1140	1206														
15	1069	1081	1101	1129	1204														
20	1006	1031	1073	1136	1214														
25	952	970	1017	1114	1232														
30	920	932	970	1075	1244														
35	892	894	927	1045	1251														
40	854	851	884	1021	1262														
45	804	795	832	988	1237														
50	832	743	769	909	1135														
55	903	764	693	781	939														
60	873	751	624	632	712														
65	671	605	534	490	526														
70	417	393	373	353	352														
75	205	213	212	209	207														
80	87.8	92.8	95.2	93.6	95.9														
85	22.8	24.5	23.8	23.1	22.7														
90	14.0	13.9	11.5	7.88	5.29														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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: