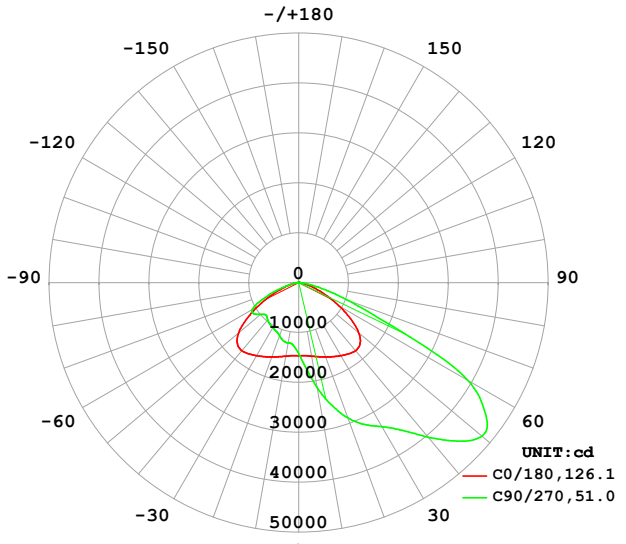
STREETLIGHT PHOTOMETRIC TEST REPORT

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:83370.4x1 lm		
NAME: FL72-500(500W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

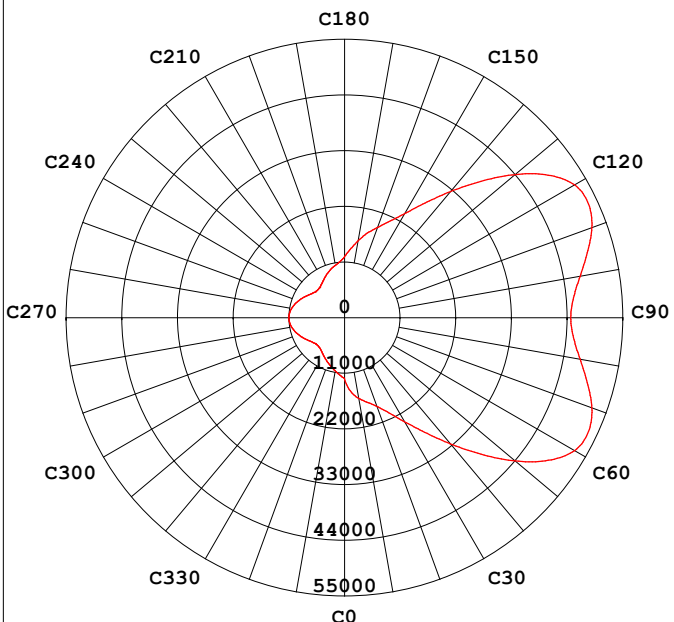
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 169.07 lm/W	
MODEL	/	Imax(cd)	52524	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	83370	η house_up(%)	0.0
NOMINAL FLUX(lm)	83370.4	MAXIMUM @(C,γ)	60,56.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

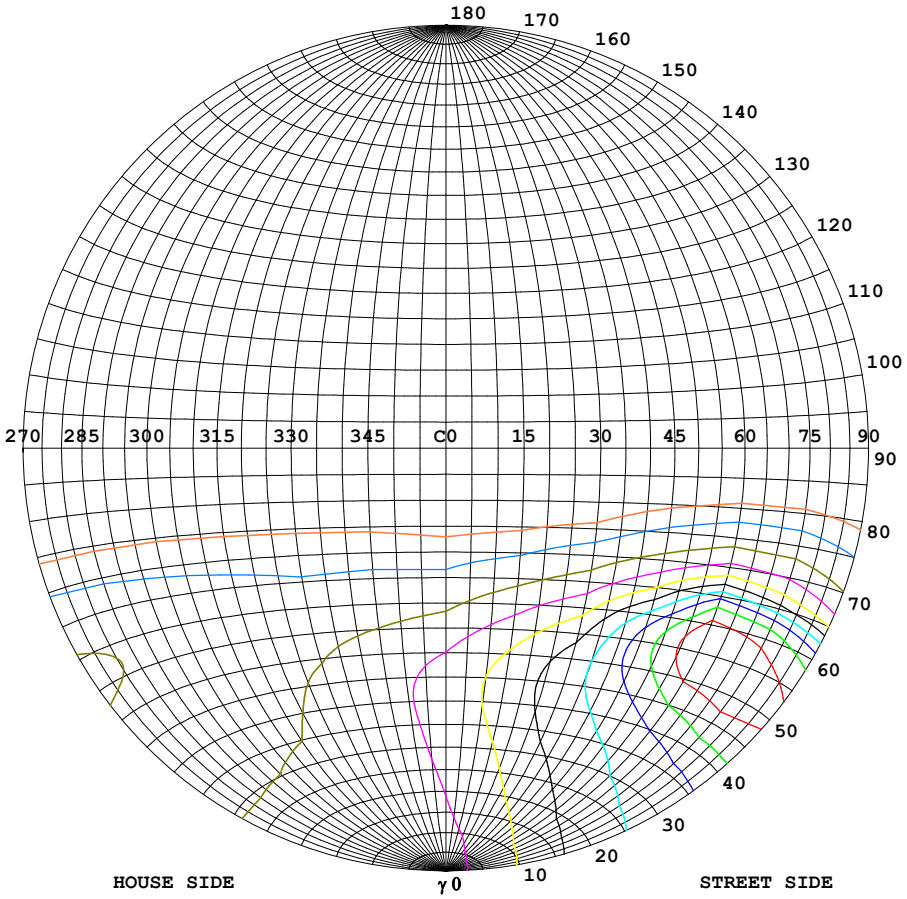


HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

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:

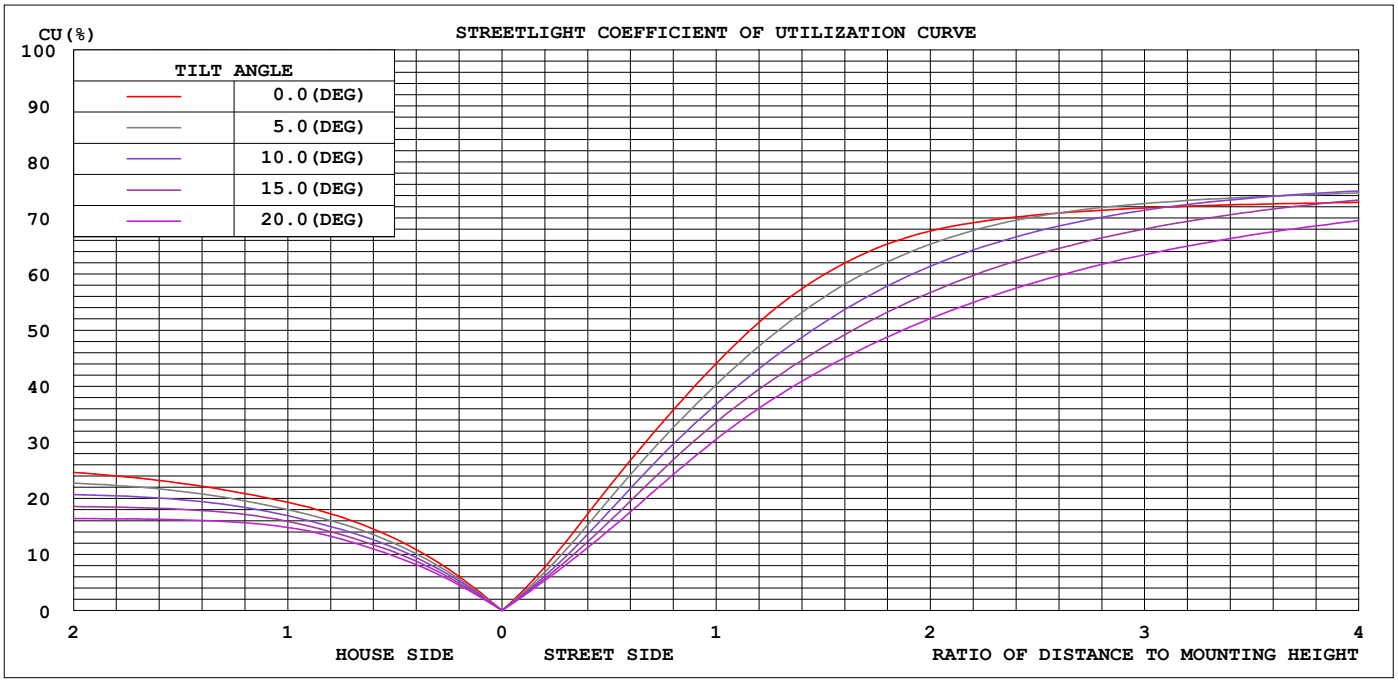
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:38.03cd/klm
Max.At90:1.900cd/klm
Max.80-90:38.03cd/klm

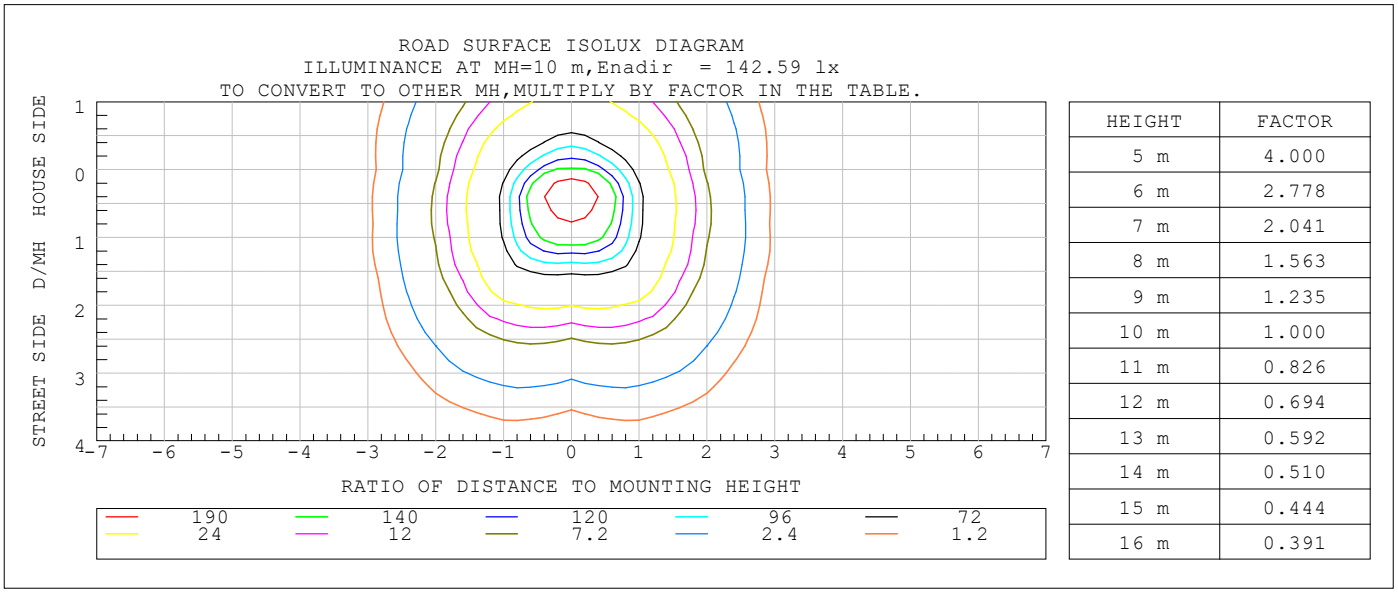
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	52524
90%	47272
80%	42020
70%	36767
60%	31515
50%	26262
40%	21010
30%	15757
20%	10505
10%	5252
5%	2626

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:

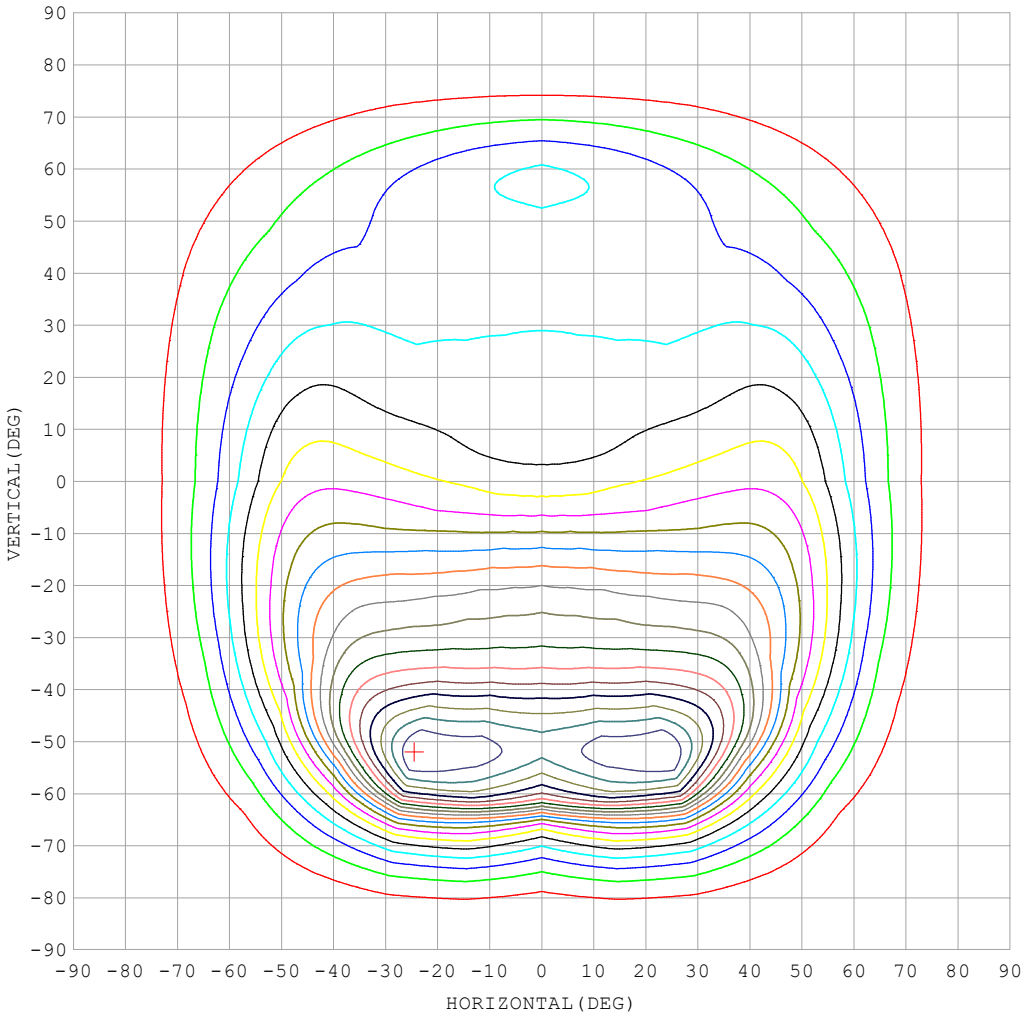
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1498	1873	2131	1873	1498	1244	1228	1244	0- 10	1431	1431	1.72,1.72
20	1587	2441	2884	2441	1587	1213	1131	1213	10- 20	4839	6271	7.52,7.52
30	1692	2890	3335	2890	1692	1096	1043	1096	20- 30	8774	15045	18,18
40	1780	3278	4045	3278	1780	998.7	972.6	998.7	30- 40	12918	27963	33.5,33.5
50	1578	3822	4787	3822	1578	869.2	992.9	869.2	40- 50	17493	45456	54.5,54.5
60	938.5	3280	3913	3280	938.5	705.2	1074	705.2	50- 60	19905	65361	78.4,78.4
70	368.6	1225	1065	1225	368.6	421.4	489.6	421.4	60- 70	13234	78595	94.3,94.3
80	93.30	223.2	201.4	223.2	93.30	107.6	93.36	107.6	70- 80	4248	82843	99.4,99.4
90	2.539	0.6774	0.7577	0.6774	2.539	12.94	15.09	12.94	80- 90	527.0	83370	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



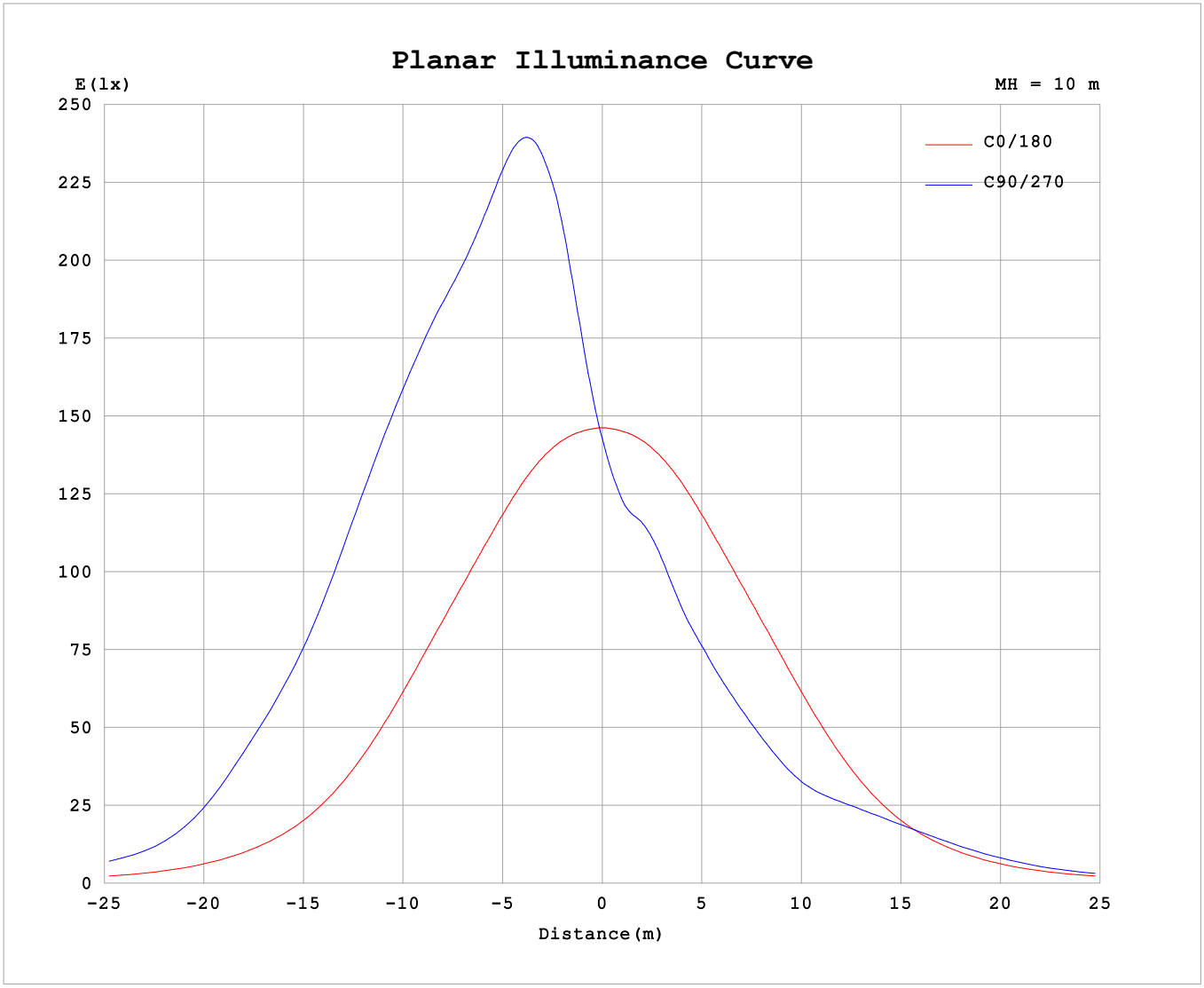
Imax:52478(H-24.5,V-52.0
(At:C=60.0,Gamma=56.0)

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



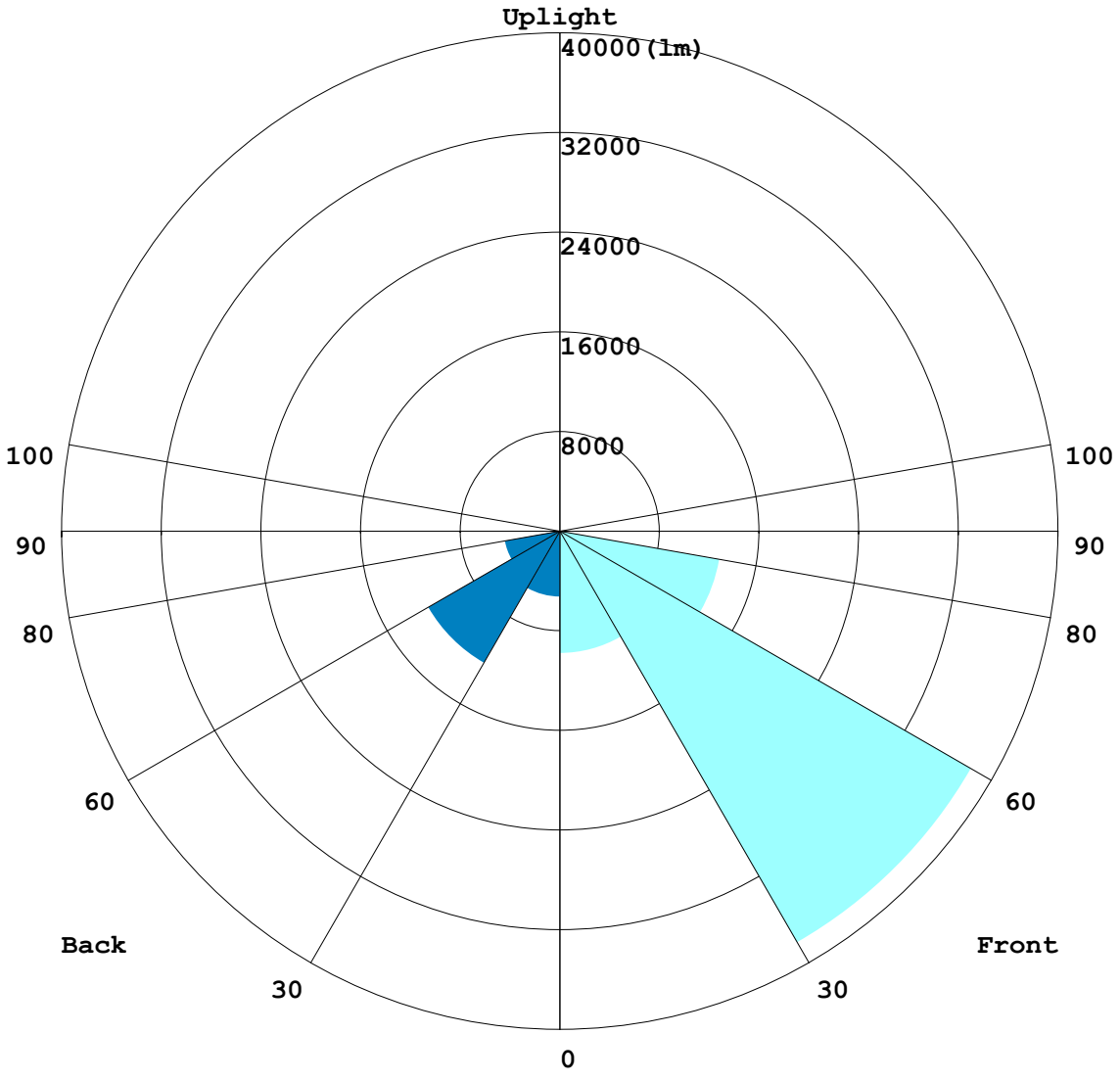
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:83370.4x1 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:83370.4x1 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)	9784.6	11.7
FM - Front-Medium(30-60)	38103	45.7
FH - Front-High(60-80)	13006	15.6
FVH - Front-Very High(80-90)	326.59	0.4
Total Forward Light	61220	73.4
BL - Back-Low(0-30)	5260	6.3
BM - Back-Medium(30-60)	12214	14.6
BH - Back-High(60-80)	4476.3	5.4
BVH - Back-Very High(80-90)	200.37	0.2
Total Back Light	22150	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-G5

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22150	0	22150
Street Side	61220	0	61220

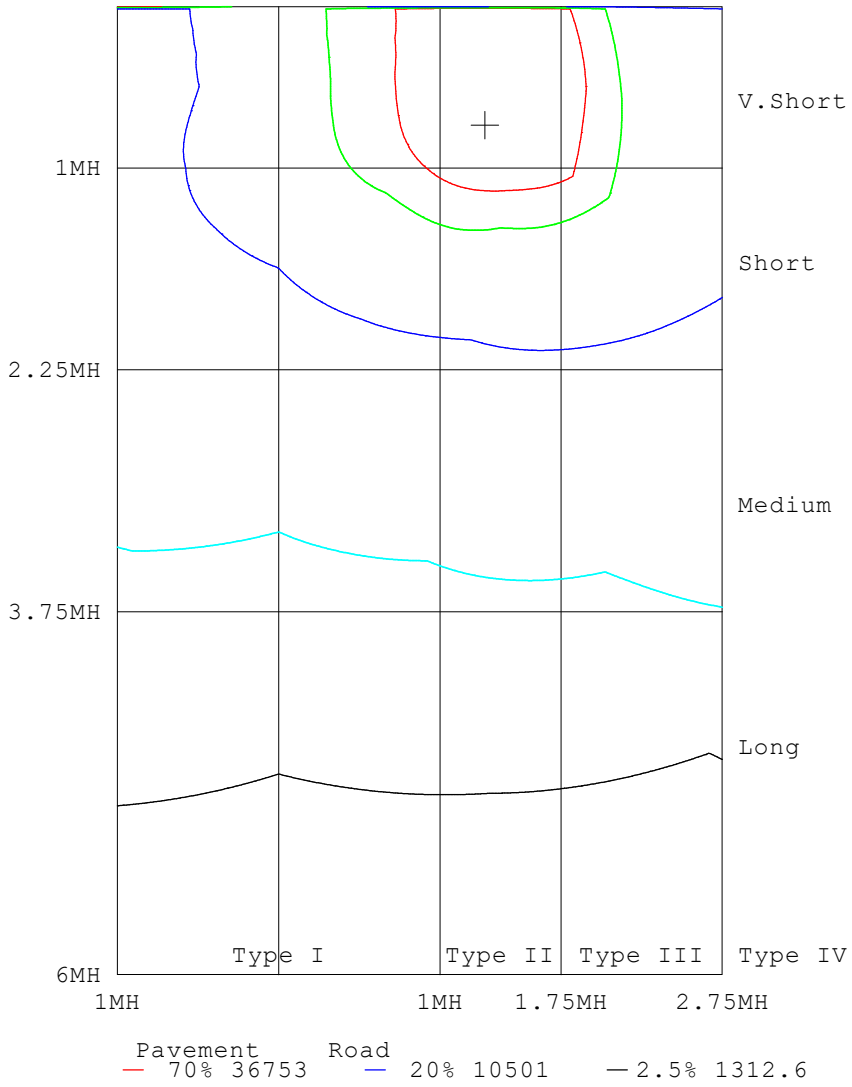
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:83370.4x1 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	1463	1427	1428	1425	1427	1424	1428	1424	1427	1425	1428	1427	1463	1427	1428	1425	1427	1424	1428
5	1471	1495	1560	1611	1673	1695	1720	1695	1673	1611	1560	1495	1471	1383	1340	1304	1282	1267	1265
10	1498	1588	1734	1873	2015	2087	2131	2087	2015	1873	1734	1588	1498	1363	1289	1244	1229	1227	1228
15	1539	1697	1935	2169	2375	2479	2533	2479	2375	2169	1935	1697	1539	1361	1276	1244	1222	1208	1207
20	1587	1814	2148	2441	2686	2821	2884	2821	2686	2441	2148	1814	1587	1372	1283	1213	1165	1137	1131
25	1639	1936	2347	2680	2947	3082	3139	3082	2947	2680	2347	1936	1639	1393	1259	1150	1096	1076	1076
30	1692	2060	2529	2890	3150	3282	3335	3282	3150	2890	2529	2060	1692	1406	1215	1096	1053	1040	1043
35	1745	2179	2701	3076	3356	3543	3614	3543	3356	3076	2701	2179	1745	1413	1181	1048	1010	1008	1015
40	1780	2272	2844	3278	3698	3978	4045	3978	3698	3278	2844	2272	1780	1426	1154	999	962	965	973
45	1740	2282	2905	3546	4204	4499	4489	4499	4204	3546	2905	2282	1740	1397	1117	940	898	909	926
50	1578	2142	2808	3822	4780	4989	4787	4989	4780	3822	2808	2142	1578	1282	1027	869	840	940	993
55	1277	1814	2473	3864	5234	5040	4569	5040	5234	3864	2473	1814	1277	1061	883	784	863	1021	1093
60	938	1376	1918	3280	4864	4542	3913	4542	4864	3280	1918	1376	938	805	714	705	848	986	1074
65	610	910	1297	2104	3505	2851	2092	2851	3505	2104	1297	910	610	595	554	603	683	758	814
70	369	486	768	1225	1722	1532	1065	1532	1722	1225	768	486	369	398	399	421	444	472	490
75	205	238	328	607	834	781	528	781	834	607	328	238	205	234	236	239	241	232	228
80	93.3	103	114	223	317	307	201	307	317	223	114	103	93.3	108	106	108	105	99.2	93.4
85	20.8	22.1	21.6	36.7	62.7	60.9	39.7	60.9	62.7	36.7	21.6	22.1	20.8	25.6	26.1	26.9	27.7	25.7	25.1
90	2.54	0.58	0.61	0.68	0.72	0.74	0.76	0.74	0.72	0.68	0.61	0.58	2.54	5.98	8.90	12.9	15.7	15.8	15.1

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	1424	1427	1425	1428	1427														
5	1267	1282	1304	1340	1383														
10	1227	1229	1244	1289	1363														
15	1208	1222	1244	1276	1361														
20	1137	1165	1213	1283	1372														
25	1076	1096	1150	1259	1393														
30	1040	1053	1096	1215	1406														
35	1008	1010	1048	1181	1413														
40	965	962	999	1154	1426														
45	909	898	940	1117	1397														
50	940	840	869	1027	1282														
55	1021	863	784	883	1061														
60	986	848	705	714	805														
65	758	683	603	554	595														
70	472	444	421	399	398														
75	232	241	239	236	234														
80	99.2	105	108	106	108														
85	25.7	27.7	26.9	26.1	25.6														
90	15.8	15.7	12.9	8.90	5.98														

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: