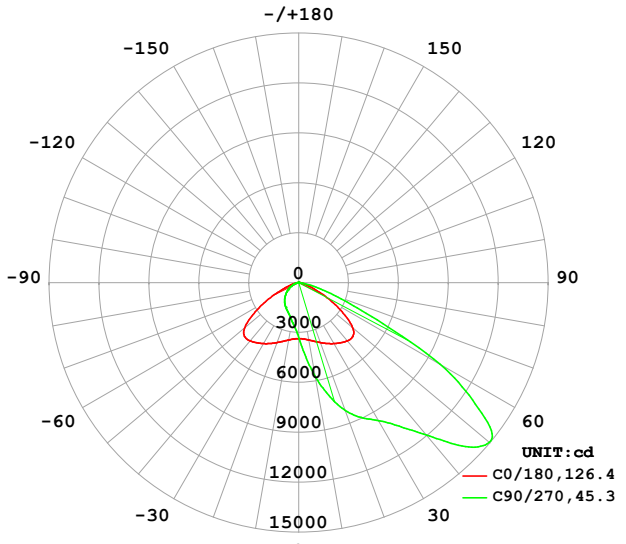
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21062.4x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

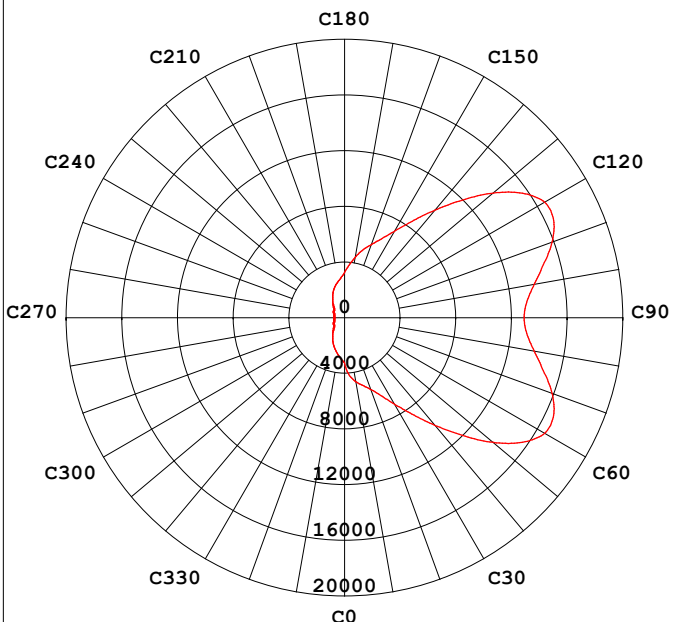
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 136.68 lm/W	
MODEL	/	Imax(cd)	16612	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	21062	η house_up(%)	0.0
NOMINAL FLUX(lm)	21062.4	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):85.9 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

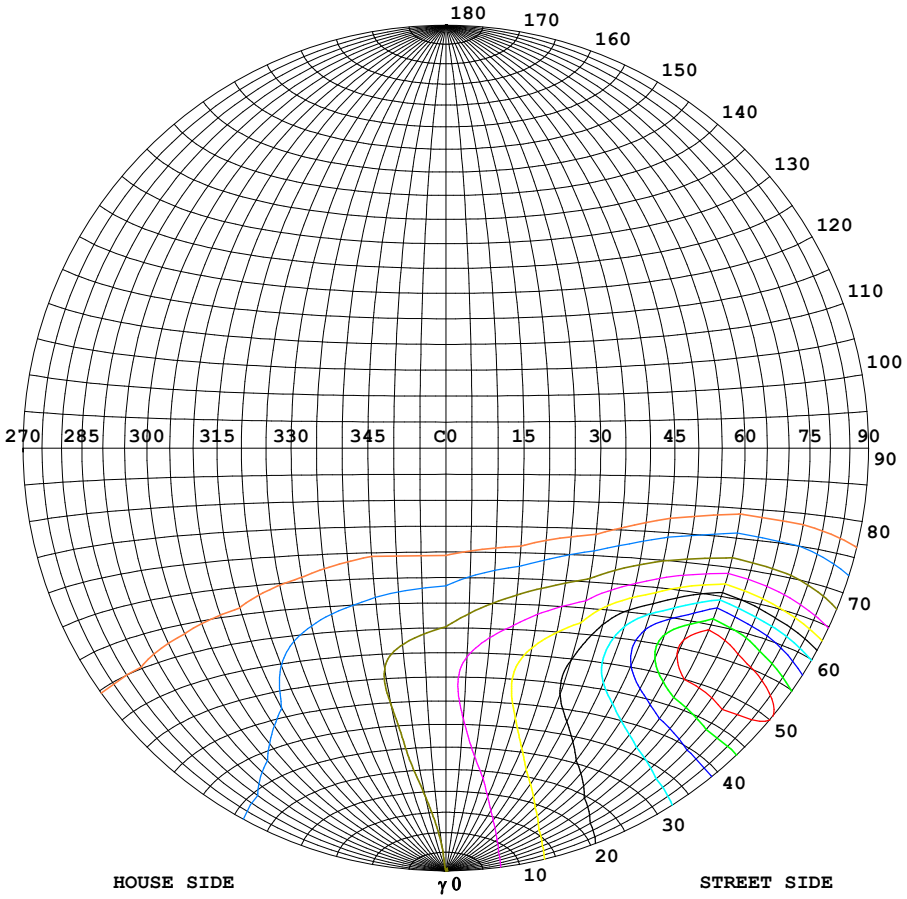


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:

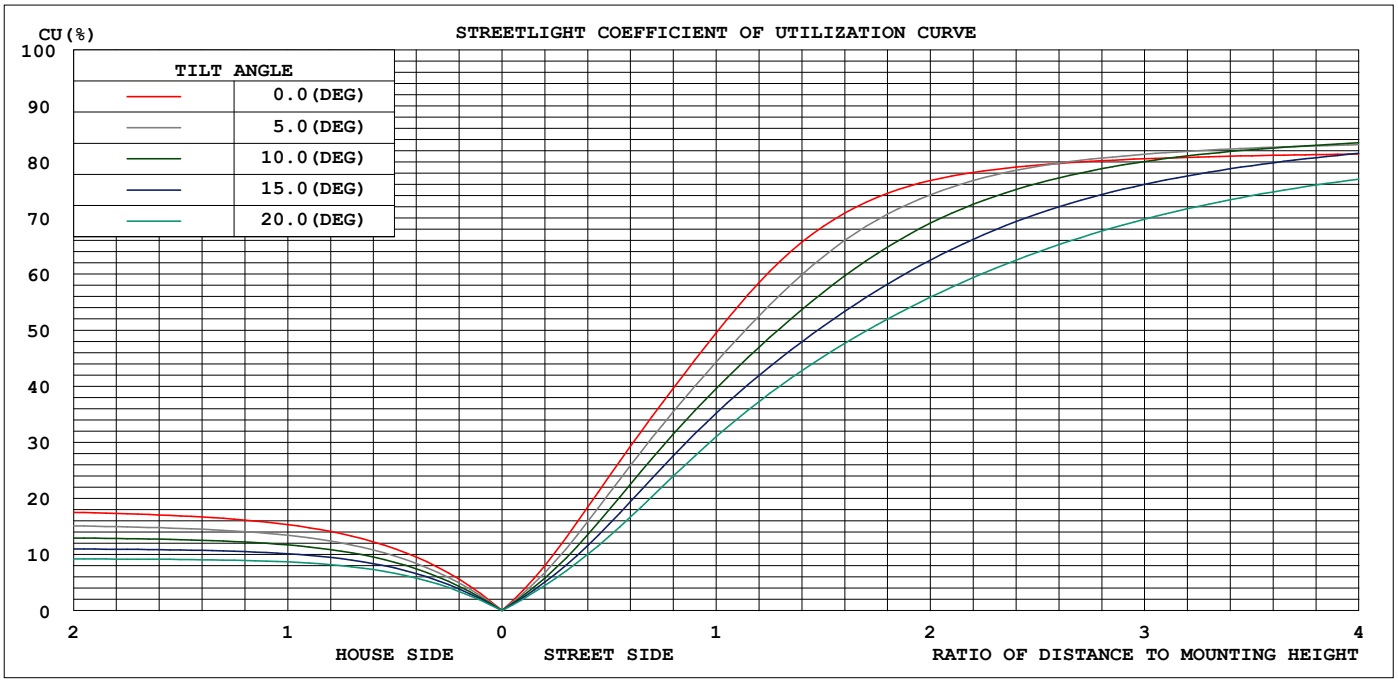
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

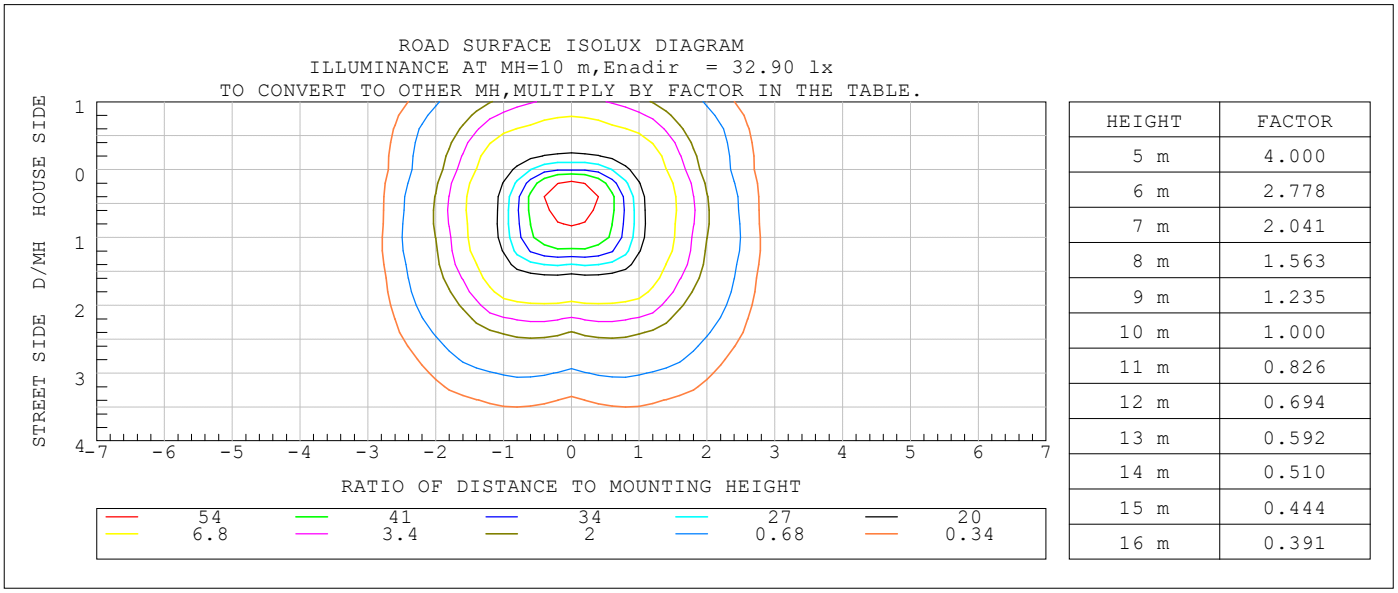
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16612
90%	14951
80%	13289
70%	11628
60%	9967
50%	8306
40%	6645
30%	4984
20%	3322
10%	1661
5%	831

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:2026-01-12

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:

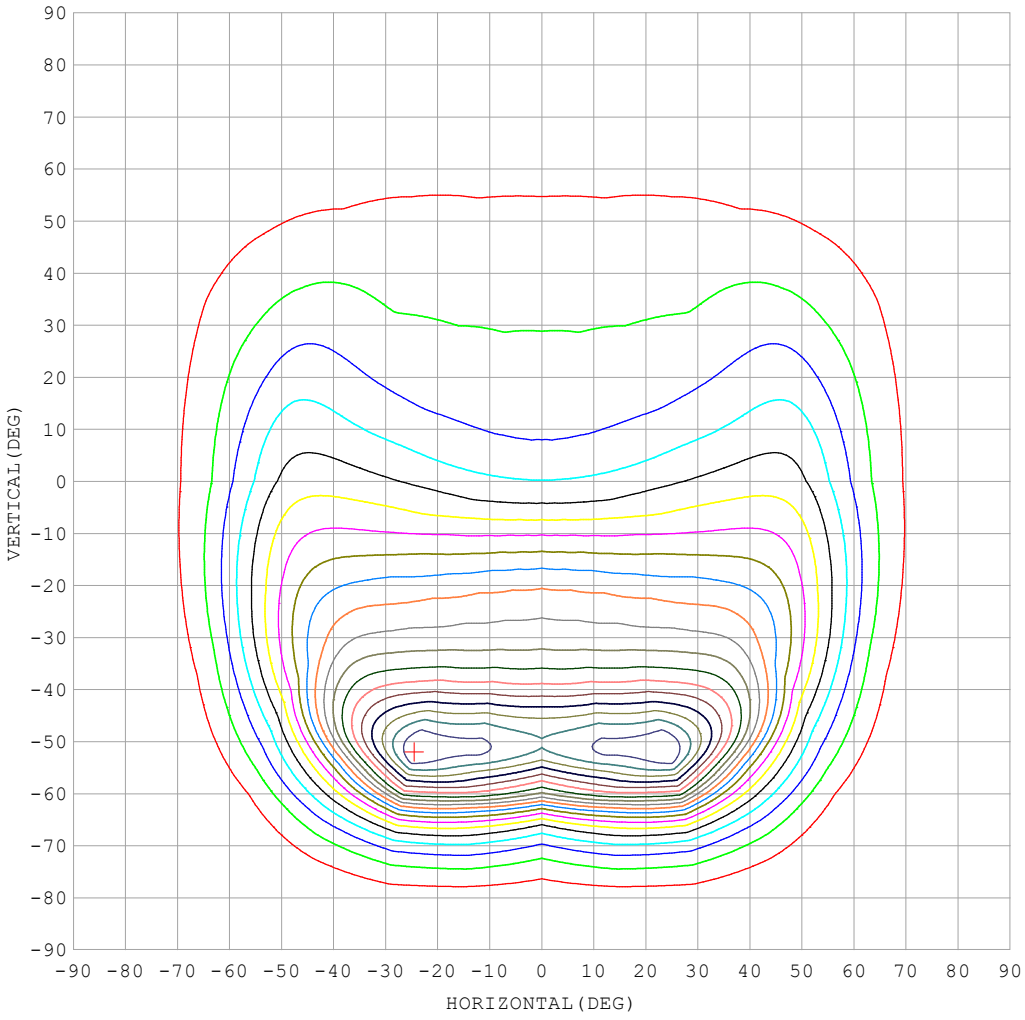
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	350.6	489.1	570.9	489.1	350.6	257.7	237.0	257.7	0- 10	337.1	337.1	1.6,1.6
20	384.1	674.7	816.9	674.7	384.1	221.3	189.6	221.3	10- 20	1174	1511	7.17,7.17
30	423.8	823.9	957.9	823.9	423.8	197.3	162.3	197.3	20- 30	2206	3717	17.6,17.6
40	457.3	950.1	1196	950.1	457.3	171.0	132.6	171.0	30- 40	3339	7056	33.5,33.5
50	425.2	1156	1495	1156	425.2	141.4	97.95	141.4	40- 50	4739	11795	56,56
60	234.7	1005	981.7	1005	234.7	89.70	65.62	89.70	50- 60	5364	17159	81.5,81.5
70	75.71	325.2	238.0	325.2	75.71	40.91	31.30	40.91	60- 70	3022	20181	95.8,95.8
80	17.40	42.19	30.70	42.19	17.40	11.42	8.954	11.42	70- 80	806.2	20988	99.6,99.6
90	0.5796	0.1249	0.1473	0.1249	0.5796	3.402	3.563	3.402	80- 90	74.73	21062	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:2026-01-12

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



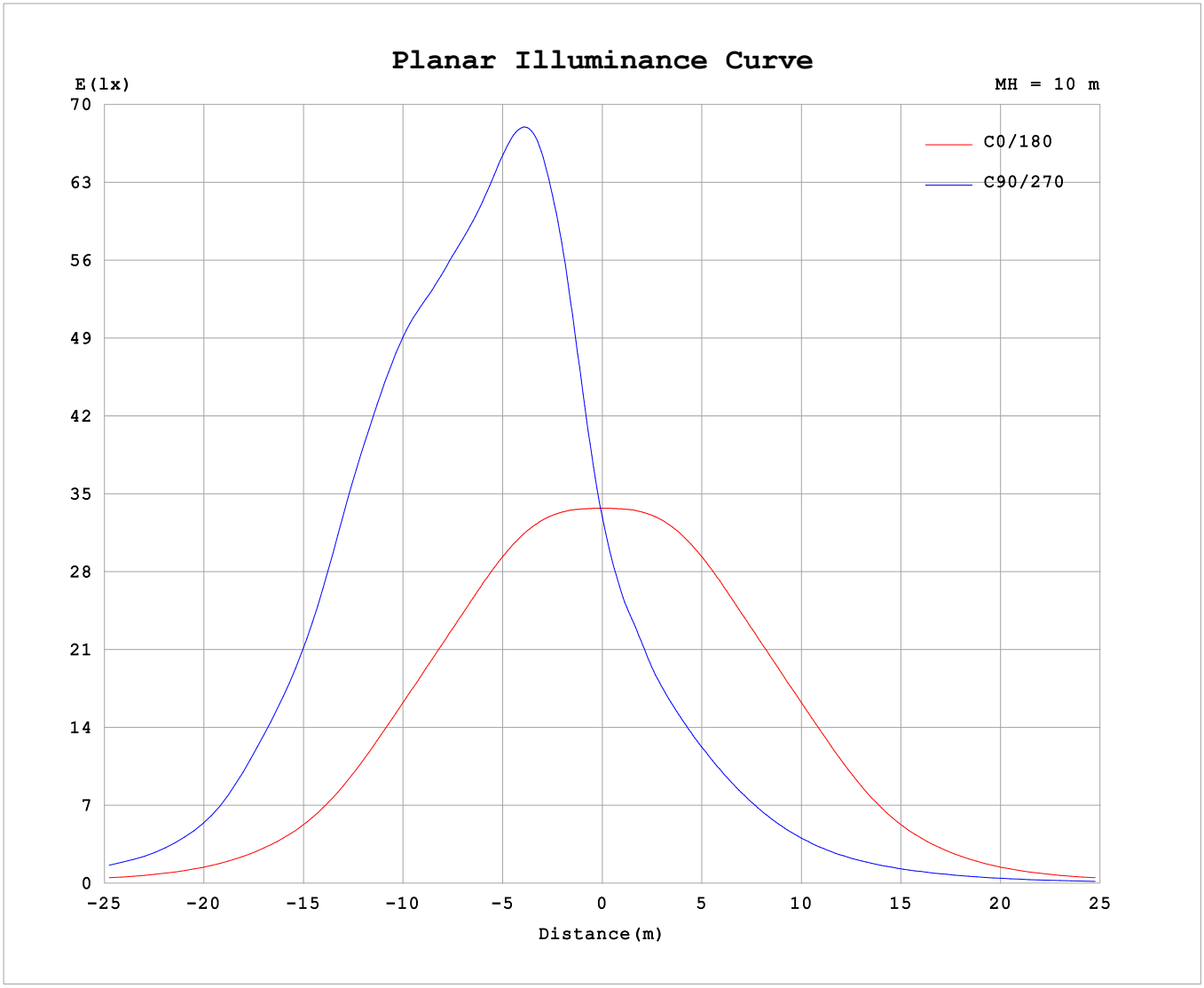
Imax:16567(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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



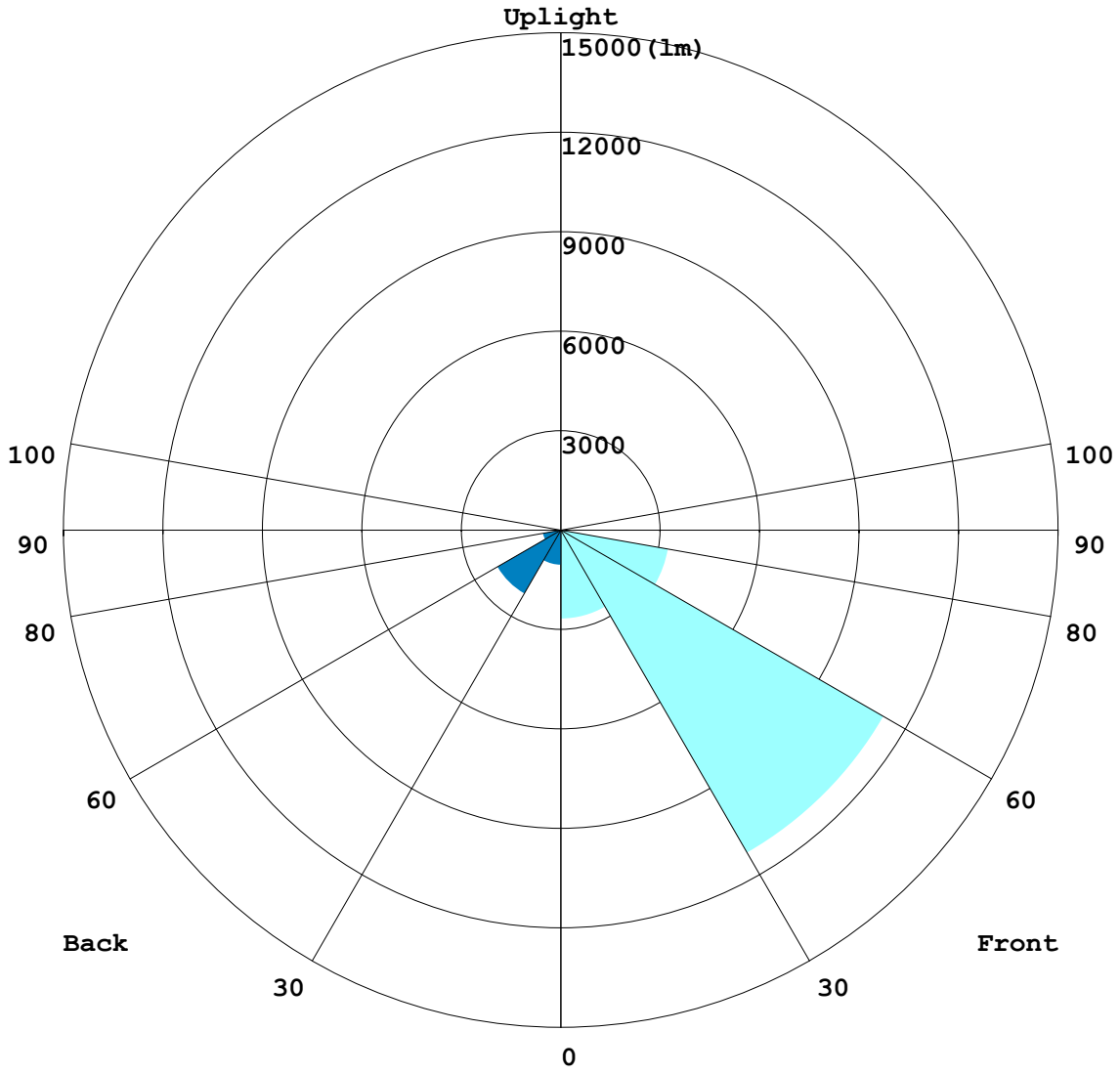
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21062.4x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21062.4x1 lm		
NAME: FL72-300(150W)-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)	2669.2	12.7
FM - Front-Medium(30-60)	11239	53.4
FH - Front-High(60-80)	3281.4	15.6
FVH - Front-Very High(80-90)	45.785	0.2
Total Forward Light	17235	81.8
BL - Back-Low(0-30)	1047.8	5.0
BM - Back-Medium(30-60)	2203.5	10.5
BH - Back-High(60-80)	547.27	2.6
BVH - Back-Very High(80-90)	28.948	0.1
Total Back Light	3827.5	18.2
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-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3827.5	0	3827.5
Street Side	17235	0	17235

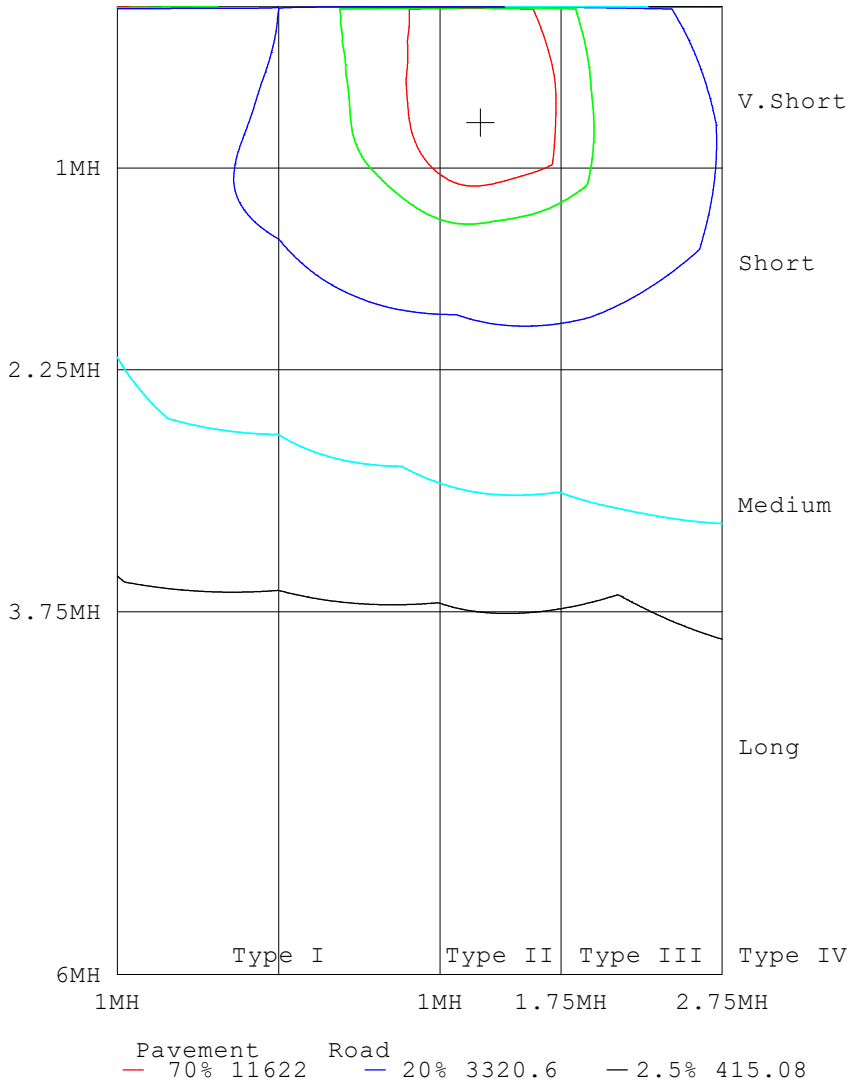
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21062.4x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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	337	329	329	329	329	328	330	328	329	329	329	329	337	329	329	329	329	328	330
5	341	354	377	398	418	428	434	428	418	398	377	354	341	313	298	285	276	271	270
10	351	387	439	489	533	559	571	559	533	489	439	387	351	306	278	258	246	239	237
15	366	426	509	588	649	686	702	686	649	588	509	426	366	305	268	240	221	210	208
20	384	468	580	675	753	800	817	800	753	675	580	468	384	309	260	221	202	192	190
25	404	511	645	756	837	880	895	880	837	756	645	511	404	316	250	209	188	177	176
30	424	554	705	824	902	942	958	942	902	824	705	554	424	321	243	197	175	164	162
35	442	593	761	884	971	1032	1054	1032	971	884	761	593	442	325	237	185	161	150	148
40	457	626	809	950	1088	1177	1196	1177	1088	950	809	626	457	333	232	171	146	135	133
45	460	641	840	1045	1261	1386	1389	1386	1261	1045	840	641	460	335	227	157	130	118	115
50	425	614	827	1156	1497	1567	1495	1567	1497	1156	827	614	425	316	211	141	113	100	98.0
55	337	517	732	1200	1659	1509	1322	1509	1659	1200	732	517	337	254	178	118	95.1	83.7	81.8
60	235	382	554	1005	1415	1208	982	1208	1415	1005	554	382	235	181	134	89.7	76.1	67.8	65.6
65	138	234	354	600	914	680	484	680	914	600	354	234	138	127	89.7	62.2	54.5	48.4	46.4
70	75.7	106	193	325	427	351	238	351	427	325	193	106	75.7	76.5	55.5	40.9	35.6	32.3	31.3
75	39.2	43.8	63.8	141	192	166	108	166	192	141	63.8	43.8	39.2	40.7	31.6	24.1	21.5	19.5	19.2
80	17.4	17.7	16.7	42.2	62.5	50.6	30.7	50.6	62.5	42.2	16.7	17.7	17.4	17.9	14.2	11.4	9.83	9.01	8.95
85	3.81	3.24	2.34	3.38	3.55	2.81	2.43	2.81	3.55	3.38	2.34	3.24	3.81	4.22	3.85	3.94	4.27	4.20	4.08
90	0.58	0.12	0.12	0.12	0.13	0.14	0.15	0.14	0.13	0.12	0.12	0.12	0.58	1.44	2.30	3.40	4.01	3.85	3.56

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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	328	329	329	329	329														
5	271	276	285	298	313														
10	239	246	258	278	306														
15	210	221	240	268	305														
20	192	202	221	260	309														
25	177	188	209	250	316														
30	164	175	197	243	321														
35	150	161	185	237	325														
40	135	146	171	232	333														
45	118	130	157	227	335														
50	100	113	141	211	316														
55	83.7	95.1	118	178	254														
60	67.8	76.1	89.7	134	181														
65	48.4	54.5	62.2	89.7	127														
70	32.3	35.6	40.9	55.5	76.5														
75	19.5	21.5	24.1	31.6	40.7														
80	9.01	9.83	11.4	14.2	17.9														
85	4.20	4.27	3.94	3.85	4.22														
90	3.85	4.01	3.40	2.30	1.44														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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: