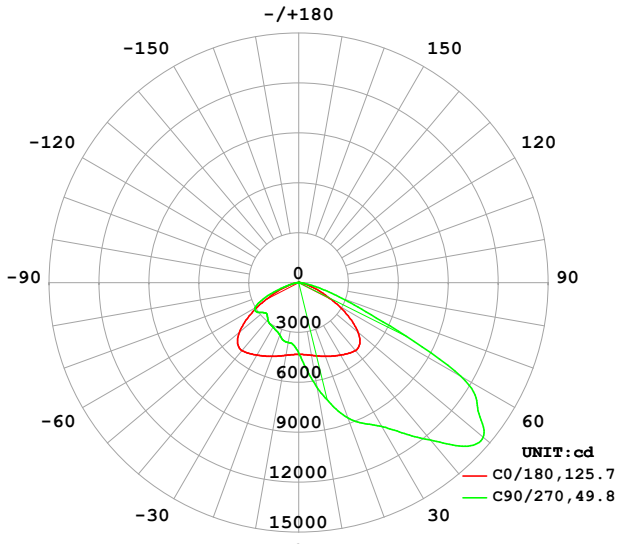
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24536.9x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

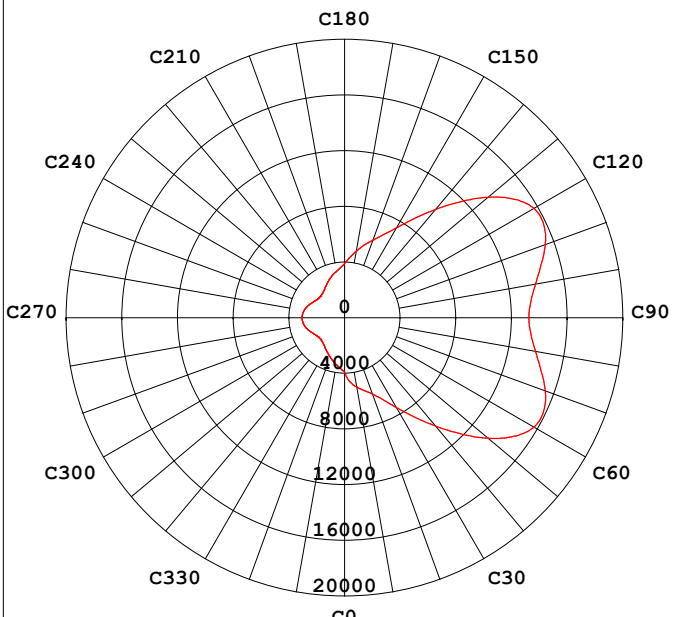
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 159.23 lm/W	
MODEL	/	Imax(cd)	15728	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	24537	η house_up(%)	0.0
NOMINAL FLUX(lm)	24536.9	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):87.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

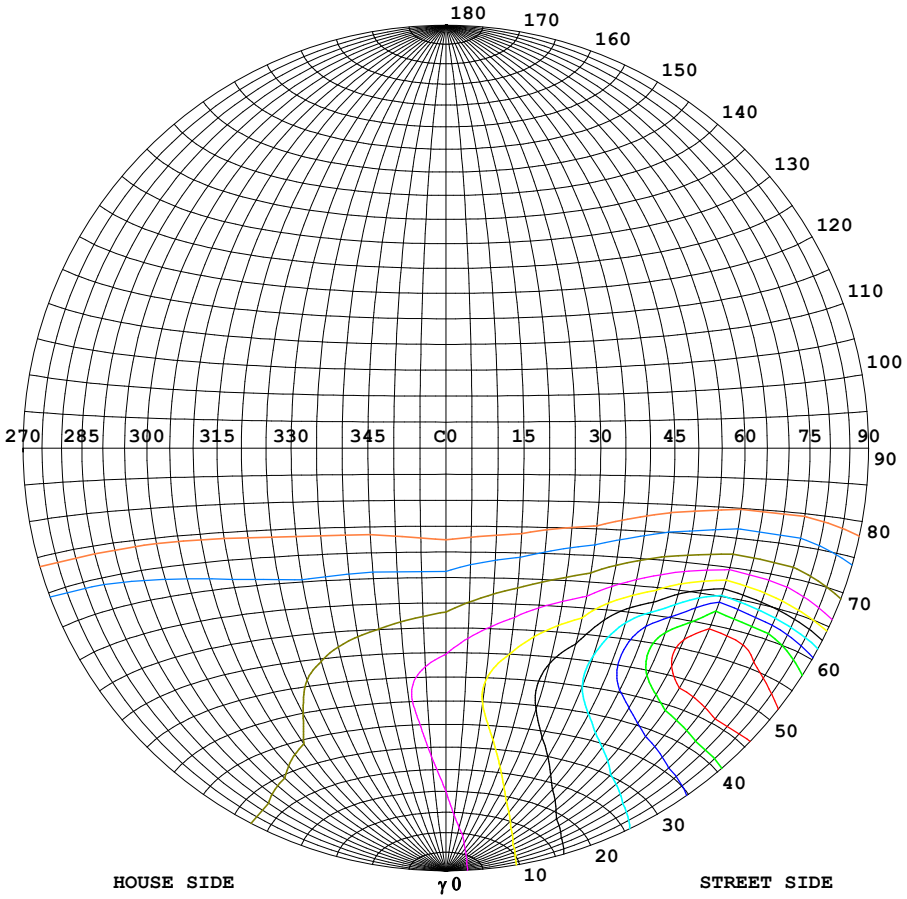


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

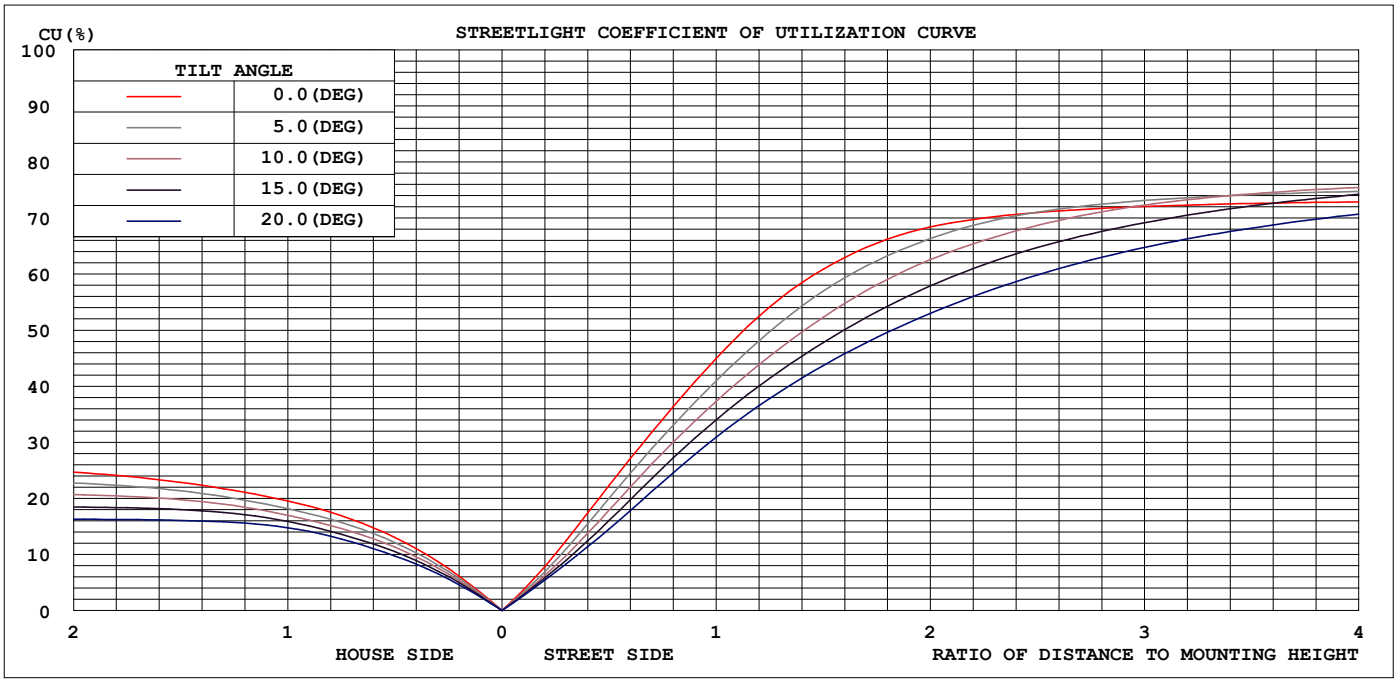
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

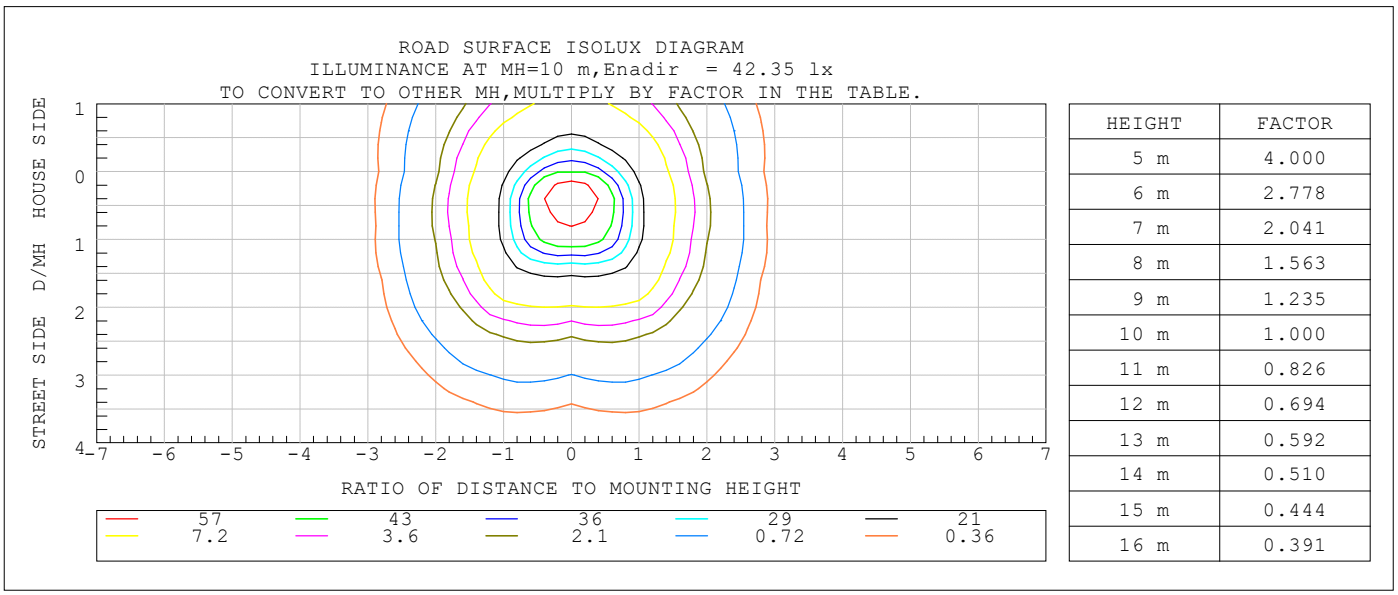
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	15728
90%	14155
80%	12582
70%	11010
60%	9437
50%	7864
40%	6291
30%	4718
20%	3146
10%	1573
5%	786

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:

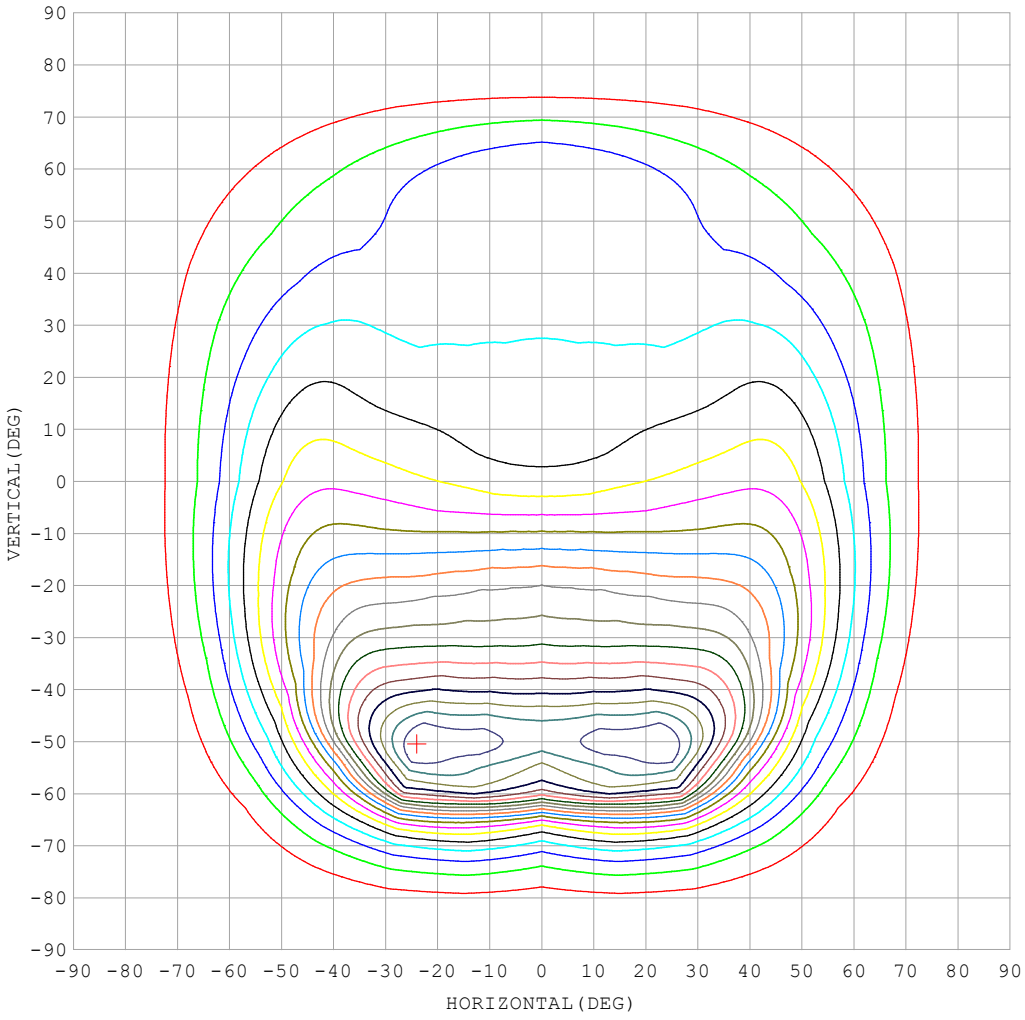
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	444.3	566.4	639.3	566.4	444.3	371.7	366.2	371.7	0- 10	427.9	427.9	1.74,1.74
20	471.8	727.7	865.2	727.7	471.8	362.6	336.1	362.6	10- 20	1447	1875	7.64,7.64
30	503.6	865.9	998.6	865.9	503.6	326.8	310.0	326.8	20- 30	2619	4494	18.3,18.3
40	533.2	994.2	1237	994.2	533.2	297.5	289.7	297.5	30- 40	3885	8378	34.1,34.1
50	466.7	1172	1447	1172	466.7	259.5	281.0	259.5	40- 50	5302	13680	55.8,55.8
60	276.2	973.3	1125	973.3	276.2	204.4	304.4	204.4	50- 60	5873	19553	79.7,79.7
70	104.9	341.3	278.2	341.3	104.9	119.6	144.6	119.6	60- 70	3726	23279	94.9,94.9
80	25.12	55.16	47.95	55.16	25.12	29.95	27.09	29.95	70- 80	1127	24406	99.5,99.5
90	0.7733	0.2343	0.3055	0.2343	0.7733	3.593	4.006	3.593	80- 90	130.6	24537	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



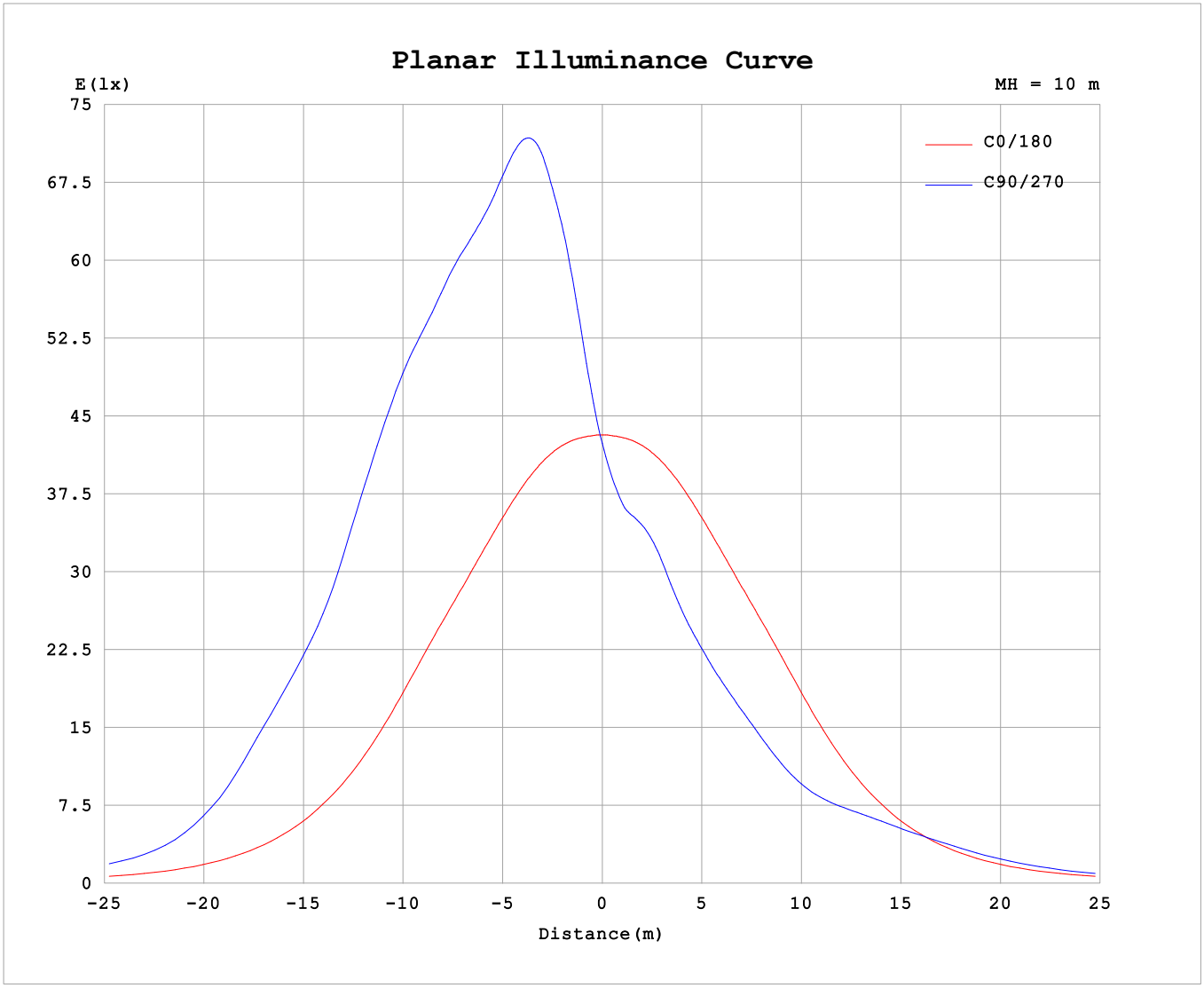
Imax:15726(H-24.0,V-50.5
(At:C=60.0,Gamma=54.5)

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



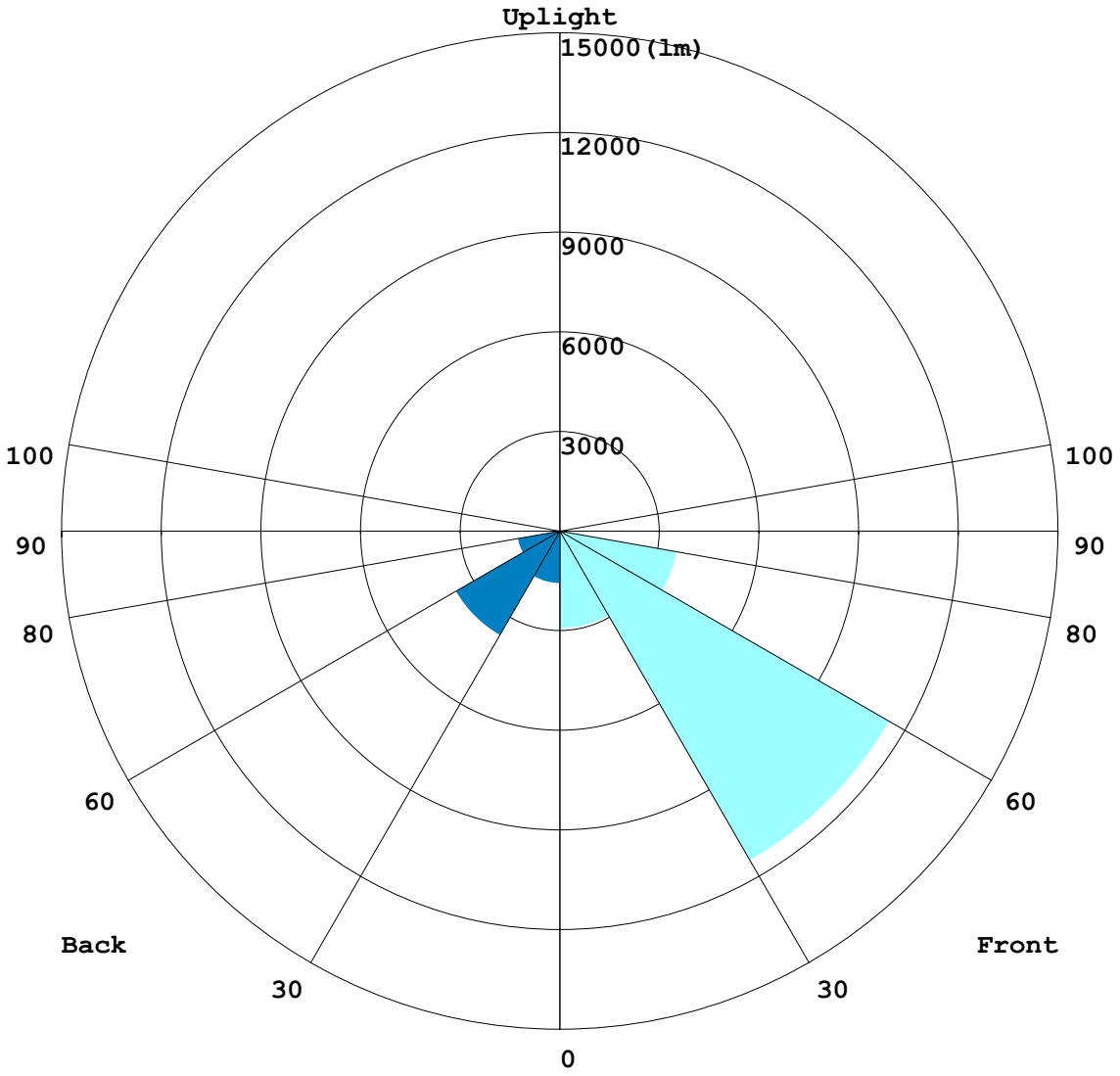
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24536.9x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24536.9x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2923.7	11.9
FM - Front-Medium(30-60)	11443	46.6
FH - Front-High(60-80)	3567.3	14.5
FVH - Front-Very High(80-90)	75.026	0.3
Total Forward Light	18009	73.4
BL - Back-Low(0-30)	1570	6.4
BM - Back-Medium(30-60)	3615.9	14.7
BH - Back-High(60-80)	1286.1	5.2
BVH - Back-Very High(80-90)	55.539	0.2
Total Back Light	6527.6	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	B3-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6527.6	0	6527.6
Street Side	18009	0	18009

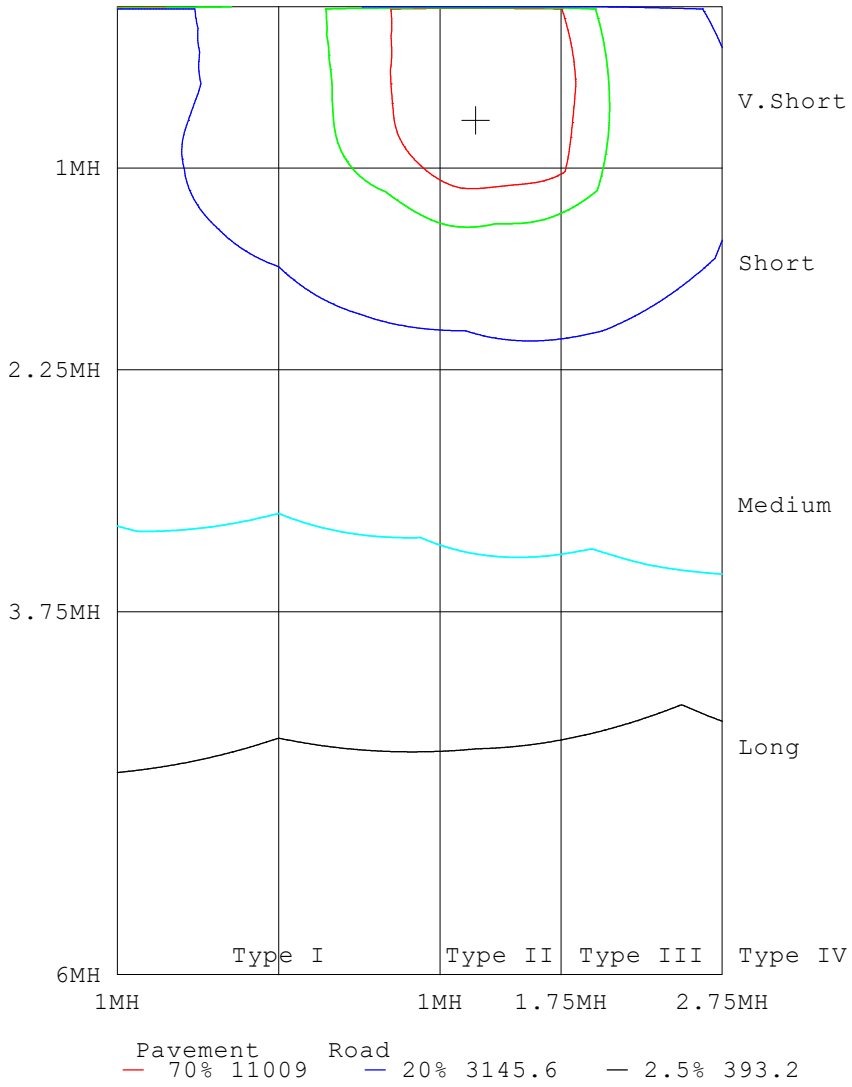
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24536.9x1 lm		
NAME: FL72-300(150W)-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:2026-01-12

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	432	424	424	423	424	423	424	423	424	423	424	424	432	424	424	423	424	423	424
5	435	445	466	484	502	511	517	511	502	484	466	445	435	411	398	388	381	377	376
10	444	475	521	566	606	629	639	629	606	566	521	475	444	406	384	372	368	366	366
15	457	508	582	652	707	738	757	738	707	652	582	508	457	406	383	372	365	360	360
20	472	543	641	728	805	846	865	846	805	728	641	543	472	411	385	363	347	338	336
25	488	579	695	803	882	918	935	918	882	803	695	579	488	419	378	343	327	320	320
30	504	614	747	866	941	979	999	979	941	866	747	614	504	423	365	327	313	309	310
35	520	650	801	923	1015	1079	1107	1079	1015	923	801	650	520	425	354	312	301	301	304
40	533	679	848	994	1139	1217	1237	1217	1139	994	848	679	533	431	347	297	288	288	290
45	520	678	869	1091	1290	1387	1391	1387	1290	1091	869	678	520	423	338	281	267	267	271
50	467	628	840	1172	1477	1518	1447	1518	1477	1172	840	628	467	384	310	260	246	268	281
55	380	530	731	1175	1572	1445	1314	1445	1572	1175	731	530	380	315	262	231	246	288	308
60	276	403	556	973	1380	1320	1125	1320	1380	973	556	403	276	238	209	204	241	279	304
65	177	262	370	600	964	761	560	761	964	600	370	262	177	173	161	171	196	220	238
70	105	137	215	341	442	393	278	393	442	341	215	137	105	115	113	120	130	139	145
75	57.0	64.7	88.4	159	203	191	133	191	203	159	88.4	64.7	57.0	65.9	65.9	68.5	68.3	66.2	64.5
80	25.1	26.9	28.4	55.2	75.1	70.5	47.9	70.5	75.1	55.2	28.4	26.9	25.1	29.4	28.9	29.9	29.5	28.3	27.1
85	5.55	5.61	5.31	8.02	12.0	11.7	8.35	11.7	12.0	8.02	5.31	5.61	5.55	6.77	6.92	7.37	7.64	7.65	7.55
90	0.77	0.19	0.21	0.23	0.26	0.29	0.31	0.29	0.26	0.23	0.21	0.19	0.77	1.71	2.52	3.59	4.25	4.22	4.01

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	423	424	423	424	424														
5	377	381	388	398	411														
10	366	368	372	384	406														
15	360	365	372	383	406														
20	338	347	363	385	411														
25	320	327	343	378	419														
30	309	313	327	365	423														
35	301	301	312	354	425														
40	288	288	297	347	431														
45	267	267	281	338	423														
50	268	246	260	310	384														
55	288	246	231	262	315														
60	279	241	204	209	238														
65	220	196	171	161	173														
70	139	130	120	113	115														
75	66.2	68.3	68.5	65.9	65.9														
80	28.3	29.5	29.9	28.9	29.4														
85	7.65	7.64	7.37	6.92	6.77														
90	4.22	4.25	3.59	2.52	1.71														

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: