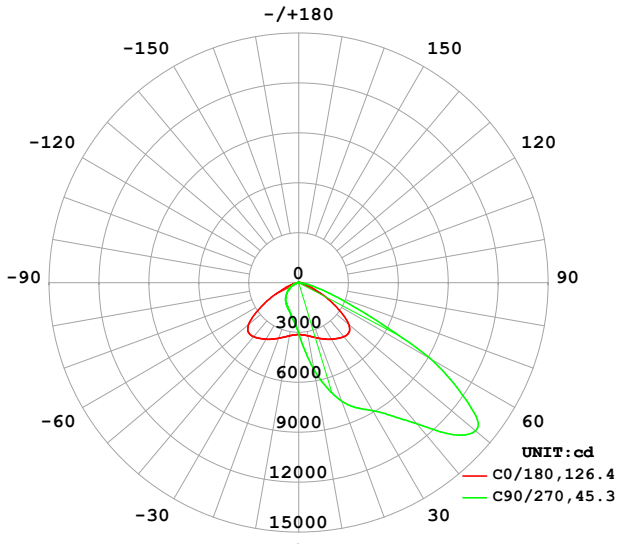
STREETLIGHT PHOTOMETRIC TEST REPORT

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:19535.6x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

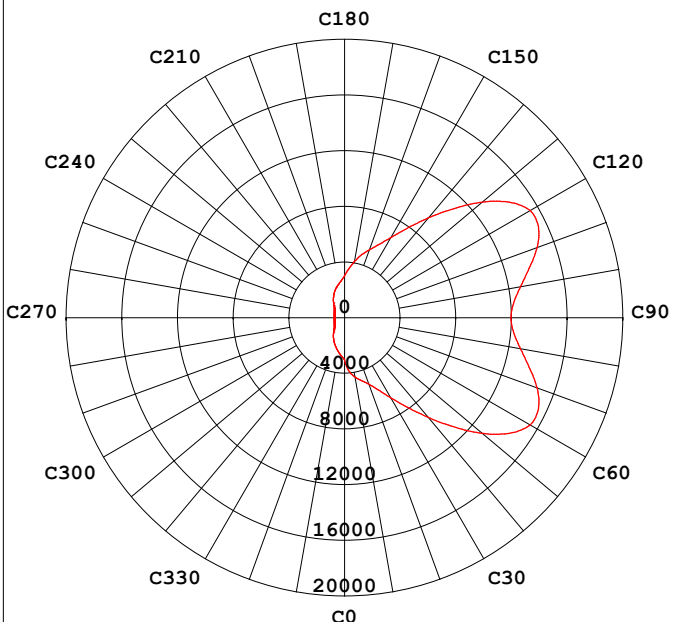
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 126.77 lm/W	
MODEL	/	Imax(cd)	15408	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	19536	η house_up(%)	0.0
NOMINAL FLUX(lm)	19535.6	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 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

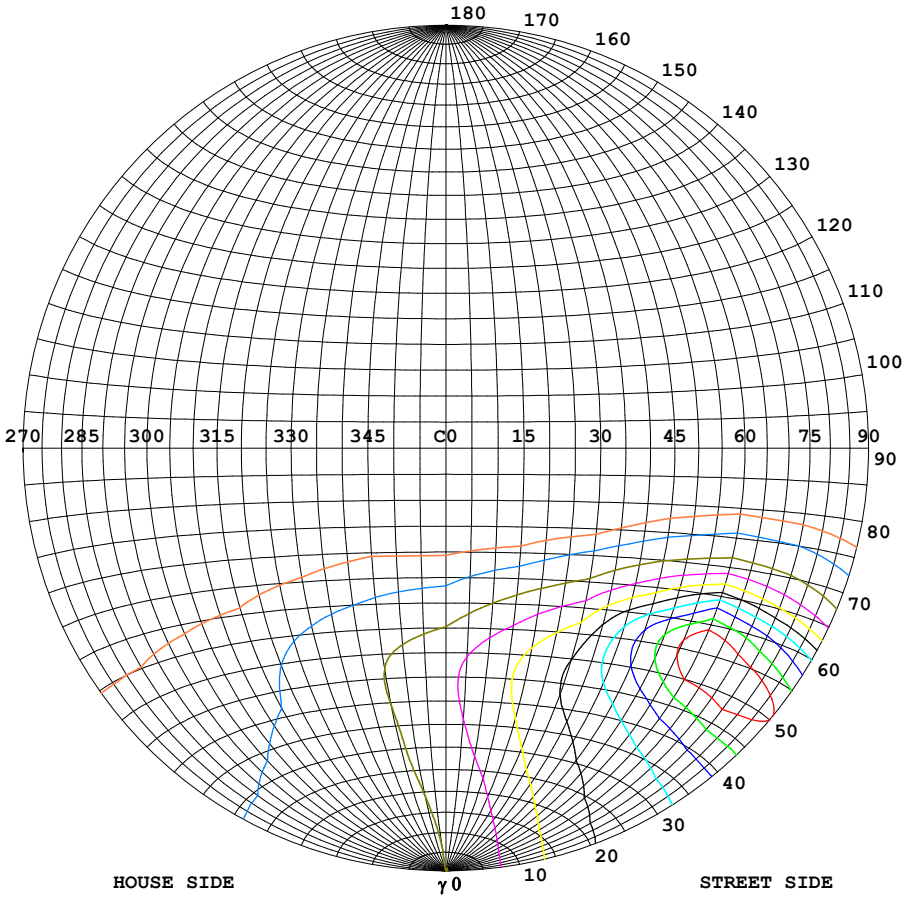


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

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:

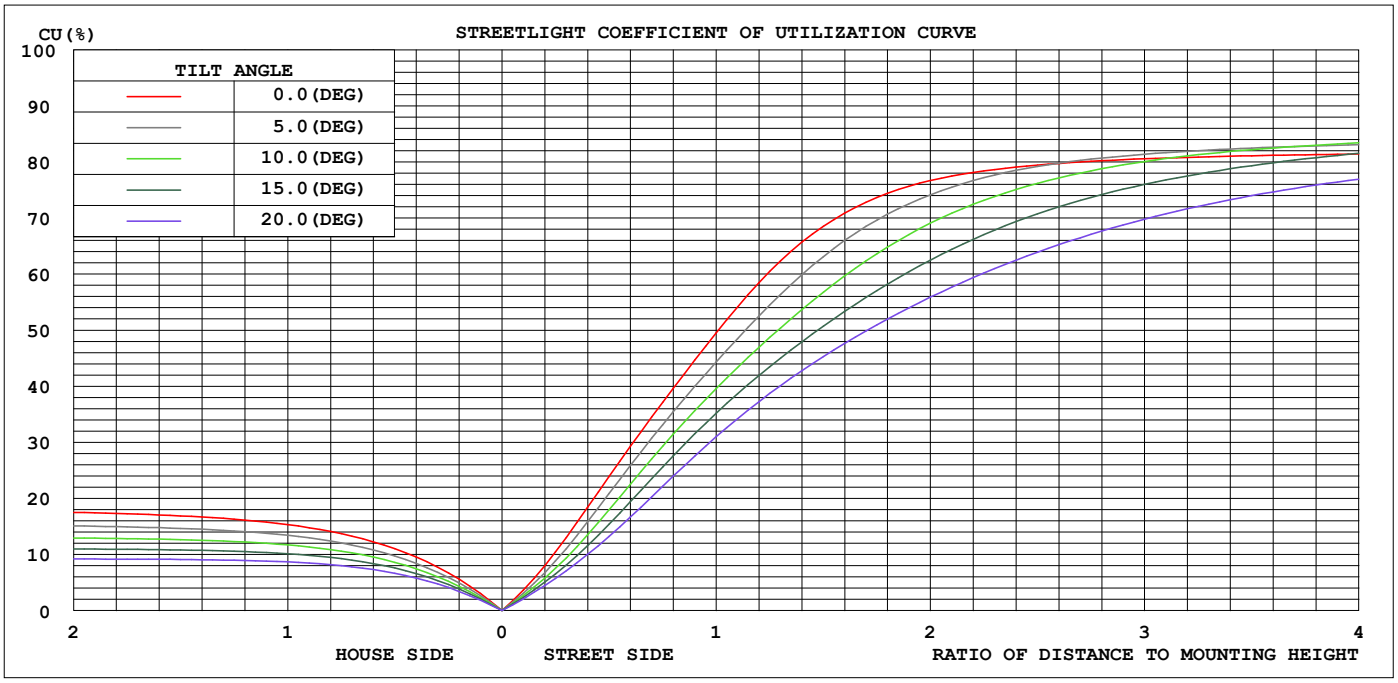
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

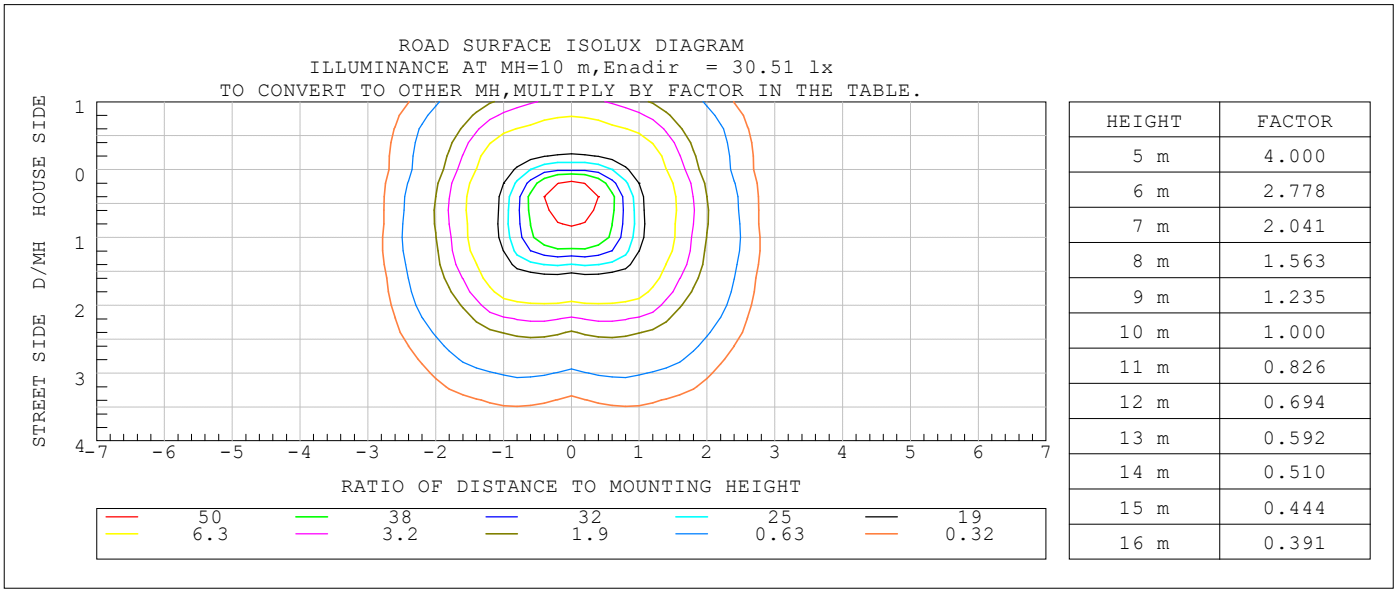
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	15408
90%	13867
80%	12326
70%	10785
60%	9245
50%	7704
40%	6163
30%	4622
20%	3082
10%	1541
5%	770

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:

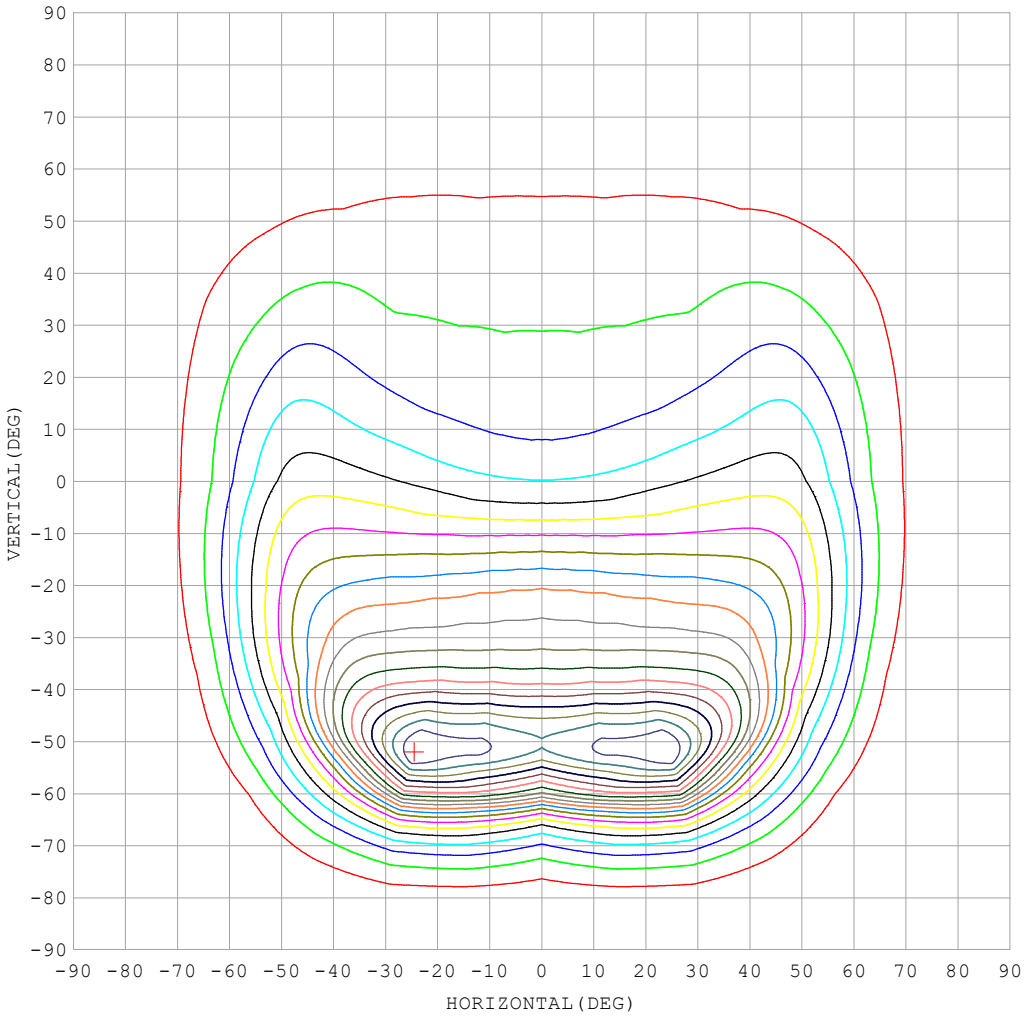
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	325.2	453.6	529.5	453.6	325.2	239.0	219.8	239.0	0- 10	312.7	312.7	1.6,1.6
20	356.3	625.8	757.7	625.8	356.3	205.3	175.9	205.3	10- 20	1089	1401	7.17,7.17
30	393.0	764.1	888.5	764.1	393.0	183.0	150.6	183.0	20- 30	2046	3447	17.6,17.6
40	424.2	881.2	1109	881.2	424.2	158.6	123.0	158.6	30- 40	3097	6544	33.5,33.5
50	394.4	1072	1387	1072	394.4	131.1	90.85	131.1	40- 50	4396	10940	56,56
60	217.7	931.9	910.5	931.9	217.7	83.20	60.86	83.20	50- 60	4975	15915	81.5,81.5
70	70.22	301.6	220.7	301.6	70.22	37.94	29.03	37.94	60- 70	2803	18719	95.8,95.8
80	16.14	39.13	28.47	39.13	16.14	10.59	8.305	10.59	70- 80	747.7	19466	99.6,99.6
90	0.5376	0.1158	0.1366	0.1158	0.5376	3.155	3.305	3.155	80- 90	69.31	19536	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



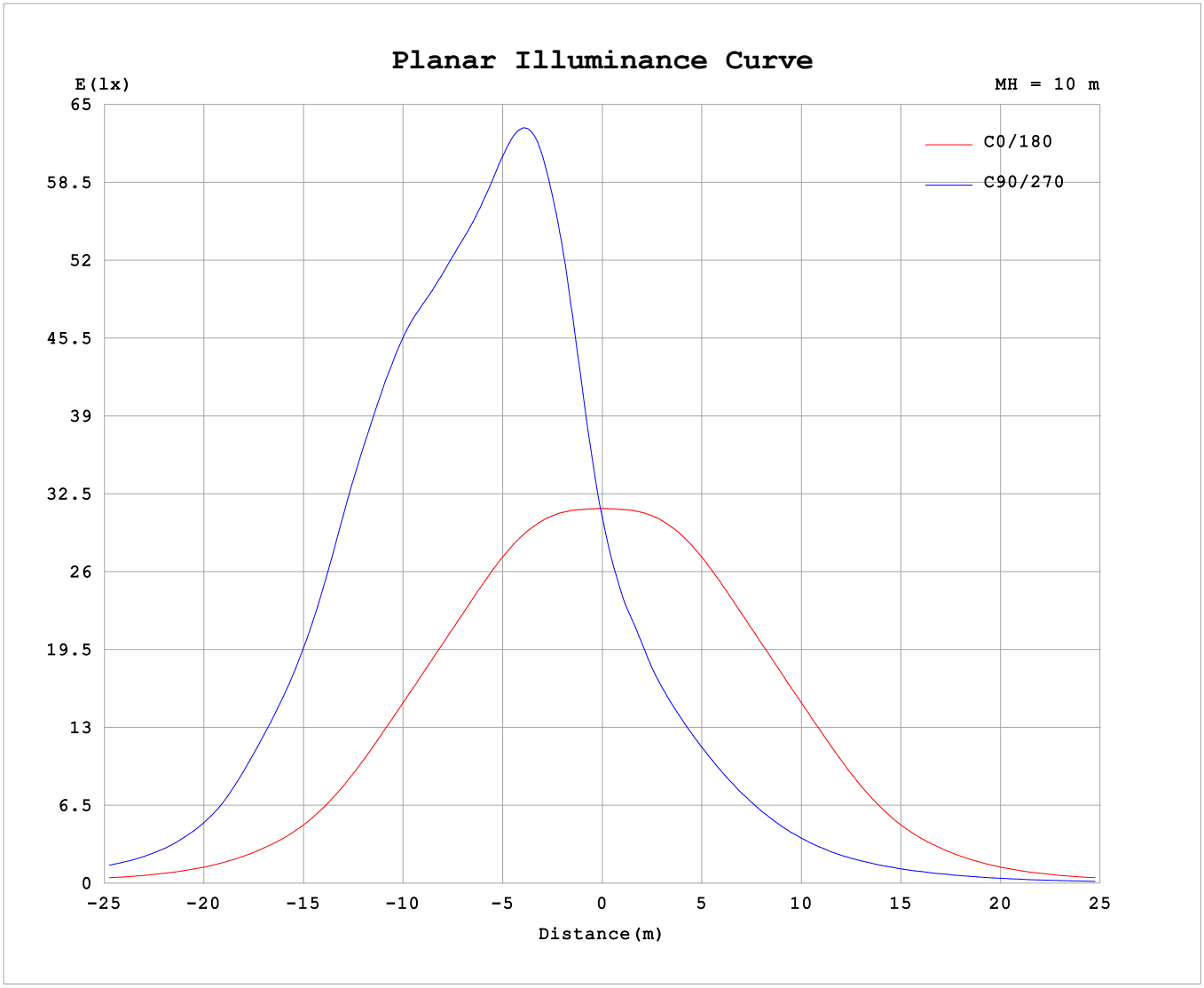
Imax:15366(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

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



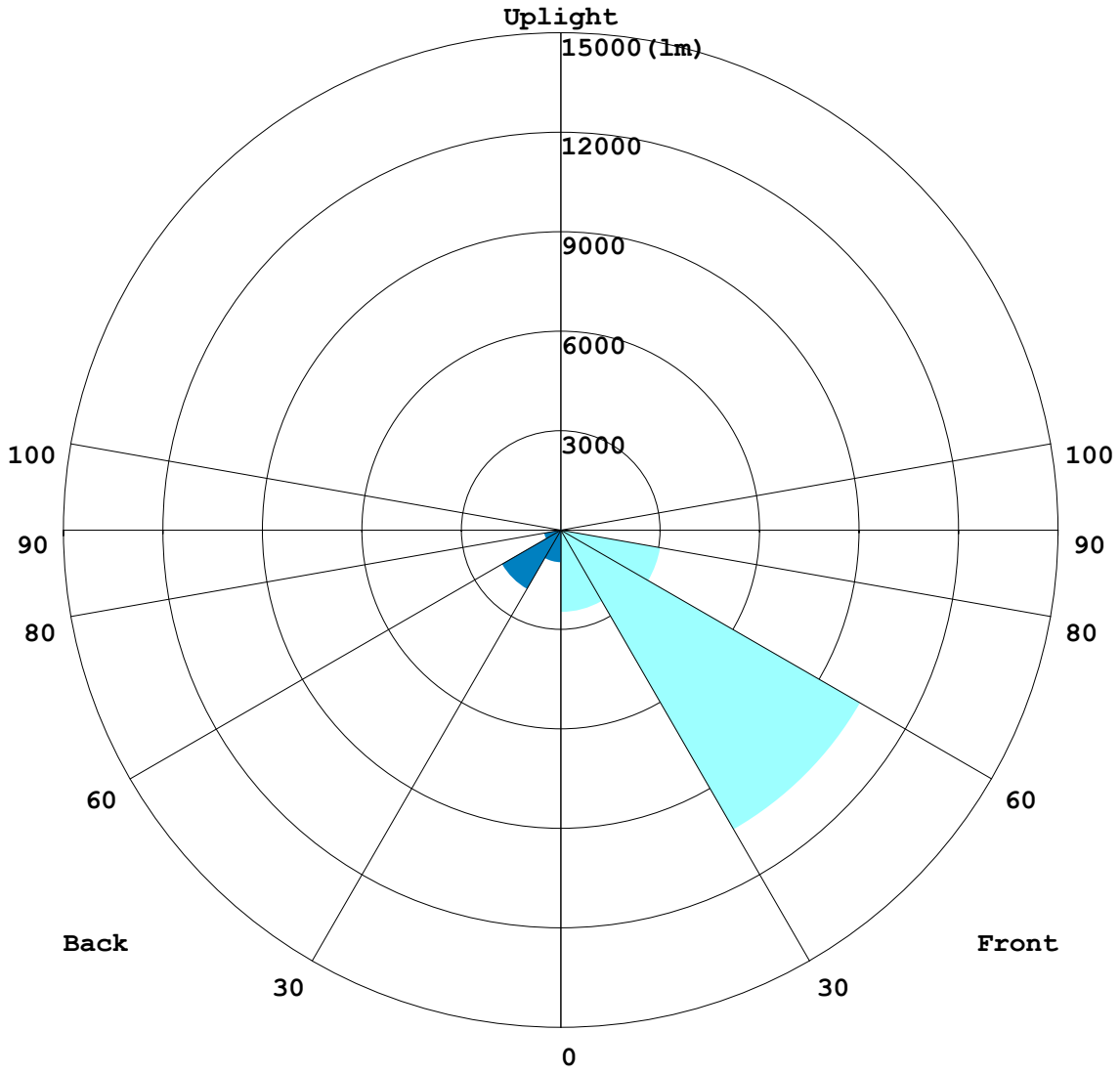
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:19535.6x1 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:19535.6x1 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)	2475.7	12.7
FM - Front-Medium(30-60)	10424	53.4
FH - Front-High(60-80)	3043.5	15.6
FVH - Front-Very High(80-90)	42.466	0.2
Total Forward Light	15986	81.8
BL - Back-Low(0-30)	971.8	5.0
BM - Back-Medium(30-60)	2043.8	10.5
BH - Back-High(60-80)	507.6	2.6
BVH - Back-Very High(80-90)	26.849	0.1
Total Back Light	3550.1	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	B2-U0-G2	

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3550.1	0	3550.1
Street Side	15986	0	15986

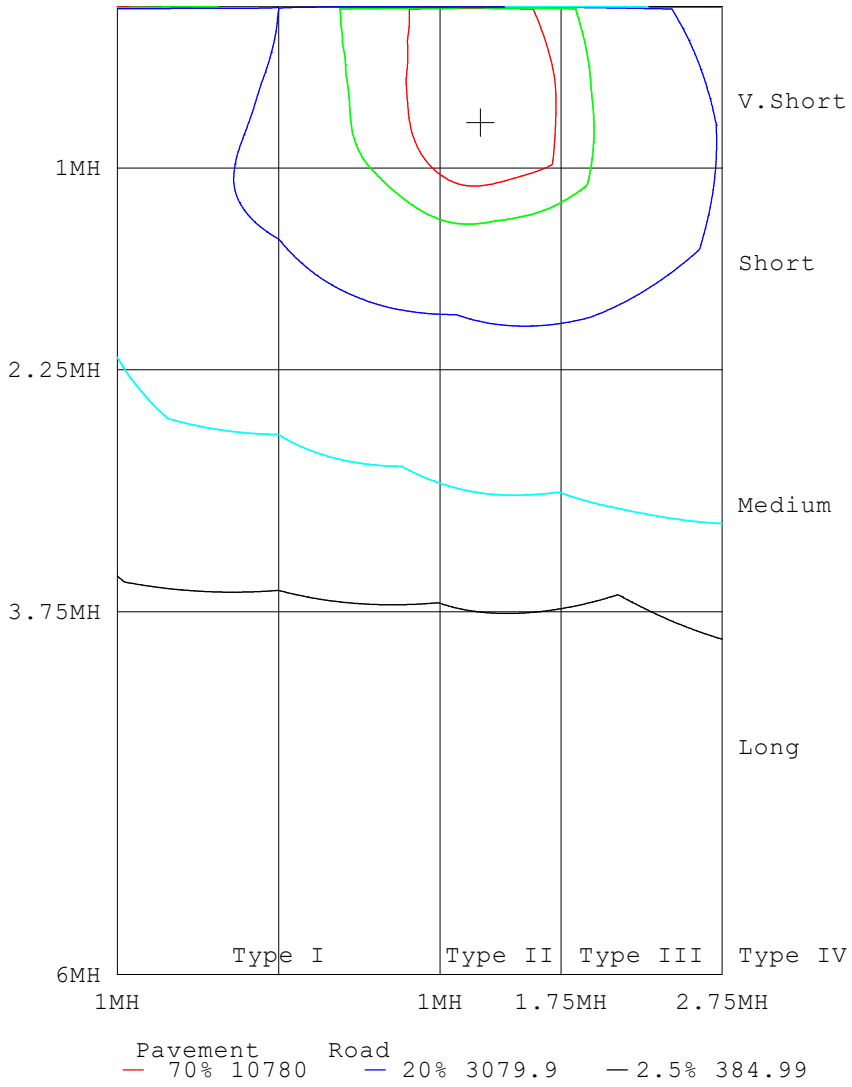
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:19535.6x1 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	313	305	306	305	306	305	306	305	306	305	306	305	313	305	306	305	306	305	306
5	316	328	350	369	387	397	403	397	387	369	350	328	316	291	276	264	256	251	250
10	325	359	407	454	495	519	529	519	495	454	407	359	325	284	258	239	228	221	220
15	339	395	472	545	602	637	651	637	602	545	472	395	339	283	248	223	205	195	193
20	356	434	538	626	699	742	758	742	699	626	538	434	356	286	241	205	187	178	176
25	375	474	599	701	776	816	830	816	776	701	599	474	375	293	232	194	175	164	163
30	393	514	654	764	836	874	888	874	836	764	654	514	393	298	226	183	163	152	151
35	410	550	706	820	901	958	978	958	901	820	706	550	410	302	220	172	150	139	138
40	424	580	750	881	1009	1091	1109	1091	1009	881	750	580	424	309	215	159	135	125	123
45	426	595	779	970	1170	1286	1288	1286	1170	970	779	595	426	311	210	146	120	109	107
50	394	569	767	1072	1388	1454	1387	1454	1388	1072	767	569	394	293	195	131	104	93.0	90.9
55	312	480	679	1113	1539	1400	1226	1400	1539	1113	679	480	312	236	166	109	88.2	77.6	75.8
60	218	354	514	932	1313	1121	911	1121	1313	932	514	354	218	168	124	83.2	70.6	62.8	60.9
65	128	217	328	557	848	630	449	630	848	557	328	217	128	117	83.2	57.7	50.5	44.9	43.0
70	70.2	98.1	179	302	396	325	221	325	396	302	179	98.1	70.2	70.9	51.5	37.9	33.0	29.9	29.0
75	36.3	40.6	59.2	131	178	154	100	154	178	131	59.2	40.6	36.3	37.7	29.3	22.3	19.9	18.1	17.9
80	16.1	16.4	15.5	39.1	58.0	46.9	28.5	46.9	58.0	39.1	15.5	16.4	16.1	16.6	13.1	10.6	9.12	8.36	8.30
85	3.53	3.00	2.17	3.13	3.30	2.60	2.25	2.60	3.30	3.13	2.17	3.00	3.53	3.91	3.57	3.65	3.96	3.90	3.79
90	0.54	0.11	0.11	0.12	0.12	0.13	0.14	0.13	0.12	0.12	0.11	0.11	0.54	1.33	2.14	3.16	3.72	3.57	3.30

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	305	306	305	306	305														
5	251	256	264	276	291														
10	221	228	239	258	284														
15	195	205	223	248	283														
20	178	187	205	241	286														
25	164	175	194	232	293														
30	152	163	183	226	298														
35	139	150	172	220	302														
40	125	135	159	215	309														
45	109	120	146	210	311														
50	93.0	104	131	195	293														
55	77.6	88.2	109	166	236														
60	62.8	70.6	83.2	124	168														
65	44.9	50.5	57.7	83.2	117														
70	29.9	33.0	37.9	51.5	70.9														
75	18.1	19.9	22.3	29.3	37.7														
80	8.36	9.12	10.6	13.1	16.6														
85	3.90	3.96	3.65	3.57	3.91														
90	3.57	3.72	3.16	2.14	1.33														

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: