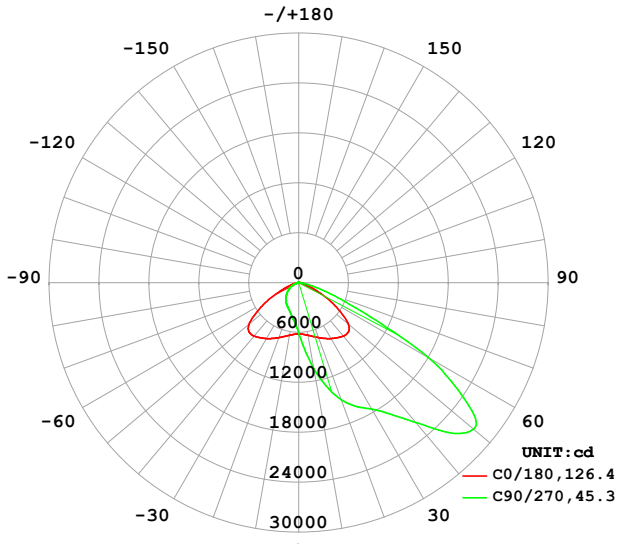
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38637.3x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

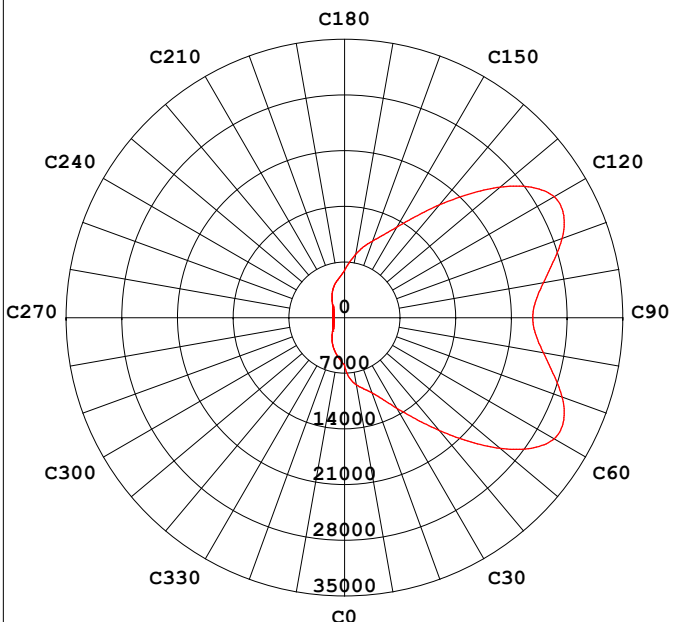
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 128.32 lm/W	
MODEL	/	Imax(cd)	30473	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	38637	η house_up(%)	0.0
NOMINAL FLUX(lm)	38637.3	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 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

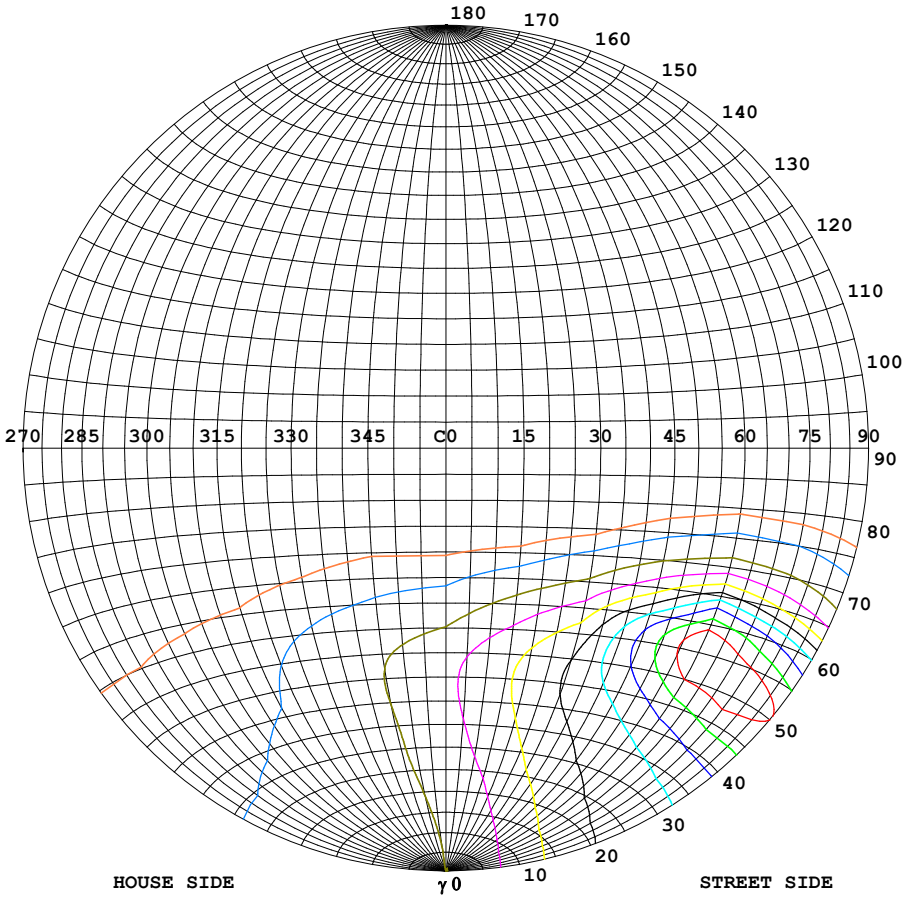


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

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:

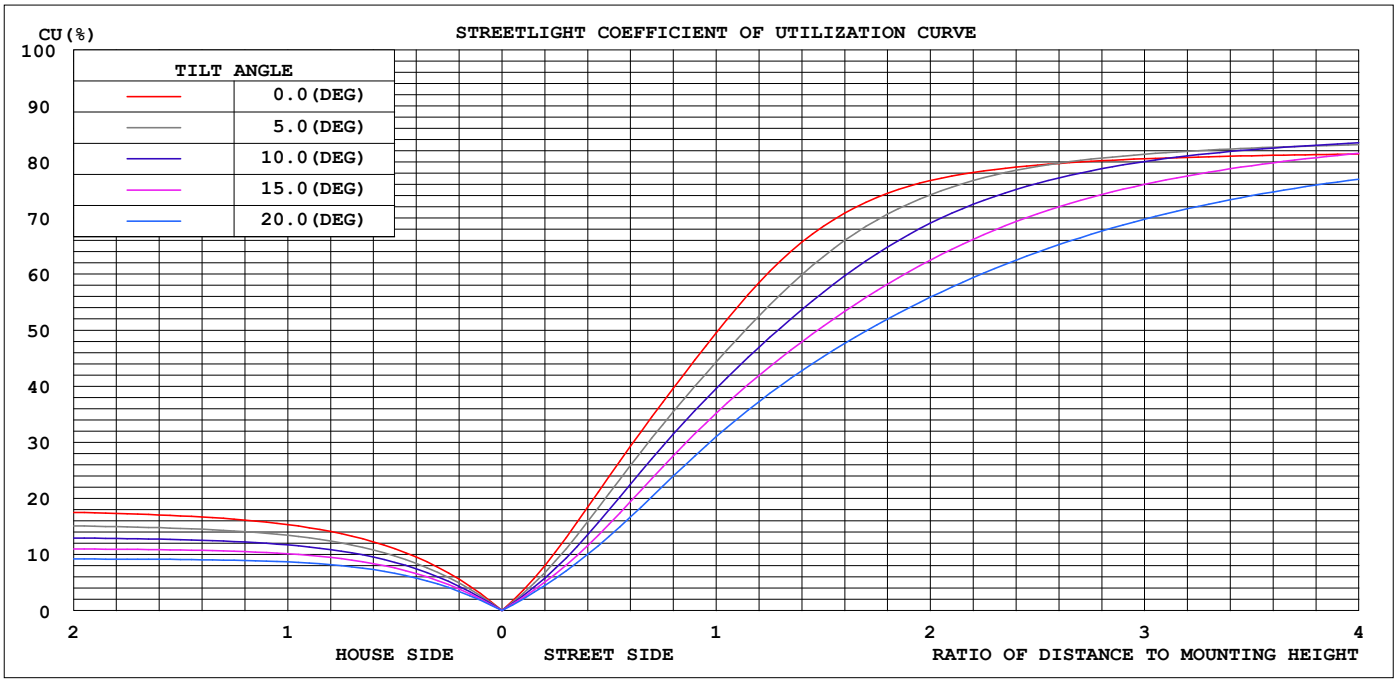
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

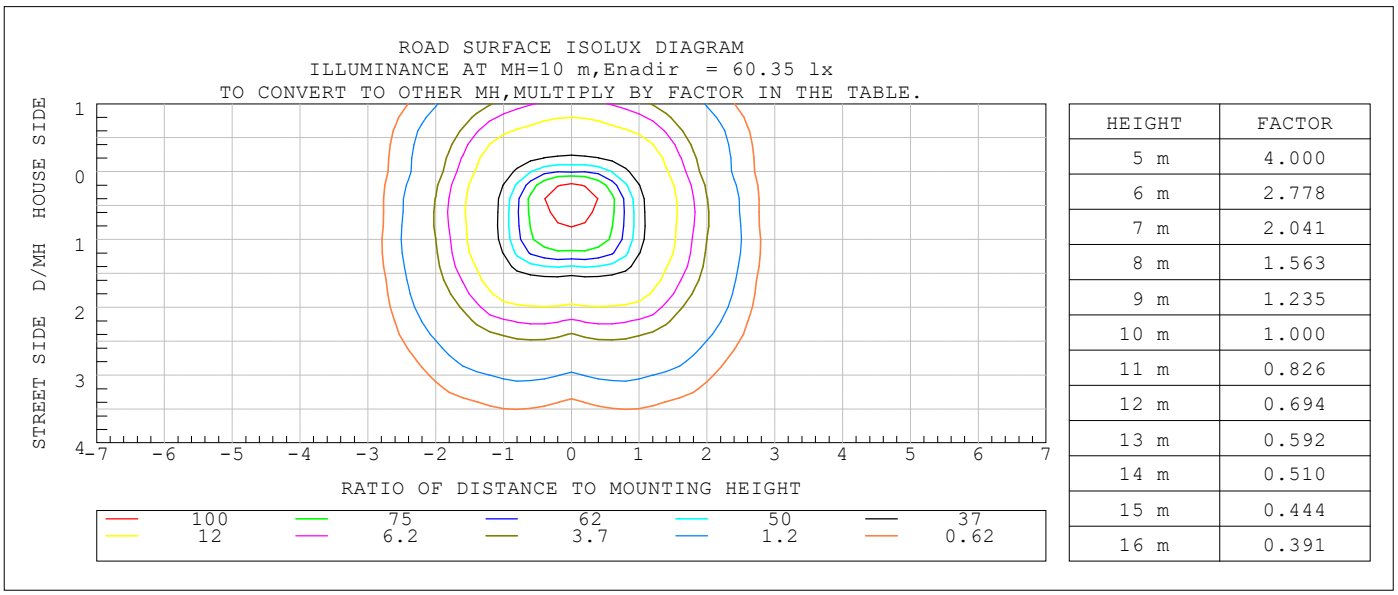
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	30473
90%	27426
80%	24378
70%	21331
60%	18284
50%	15237
40%	12189
30%	9142
20%	6095
10%	3047
5%	1524

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:

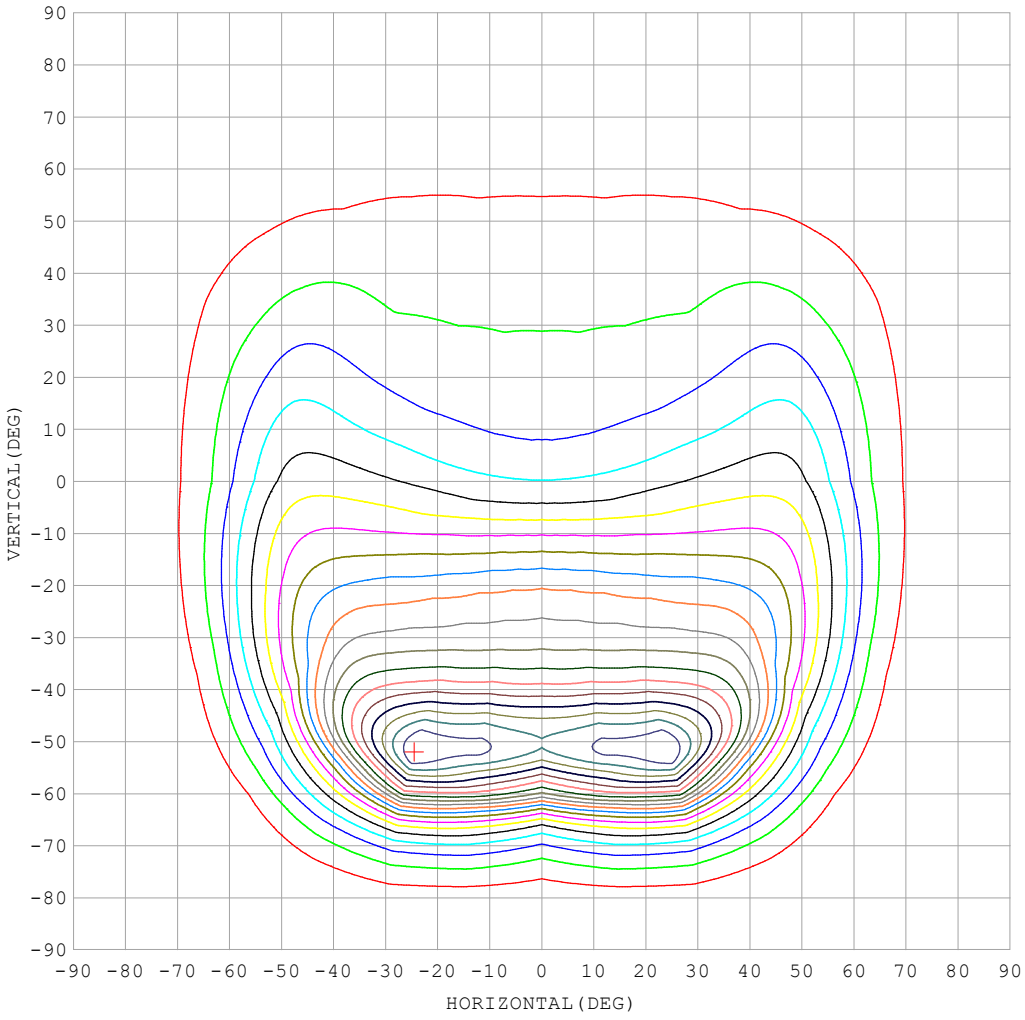
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	643.2	897.2	1047	897.2	643.2	472.7	434.7	472.7	0- 10	618.5	618.5	1.6,1.6
20	704.6	1238	1499	1238	704.6	406.0	347.9	406.0	10- 20	2153	2771	7.17,7.17
30	777.3	1511	1757	1511	777.3	362.0	297.8	362.0	20- 30	4047	6818	17.6,17.6
40	838.9	1743	2194	1743	838.9	313.8	243.2	313.8	30- 40	6125	12943	33.5,33.5
50	780.0	2120	2742	2120	780.0	259.3	179.7	259.3	40- 50	8694	21637	56,56
60	430.5	1843	1801	1843	430.5	164.5	120.4	164.5	50- 60	9840	31477	81.5,81.5
70	138.9	596.6	436.5	596.6	138.9	75.04	57.42	75.04	60- 70	5544	37021	95.8,95.8
80	31.93	77.39	56.32	77.39	31.93	20.95	16.43	20.95	70- 80	1479	38500	99.6,99.6
90	1.063	0.2291	0.2702	0.2291	1.063	6.240	6.536	6.240	80- 90	137.1	38637	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



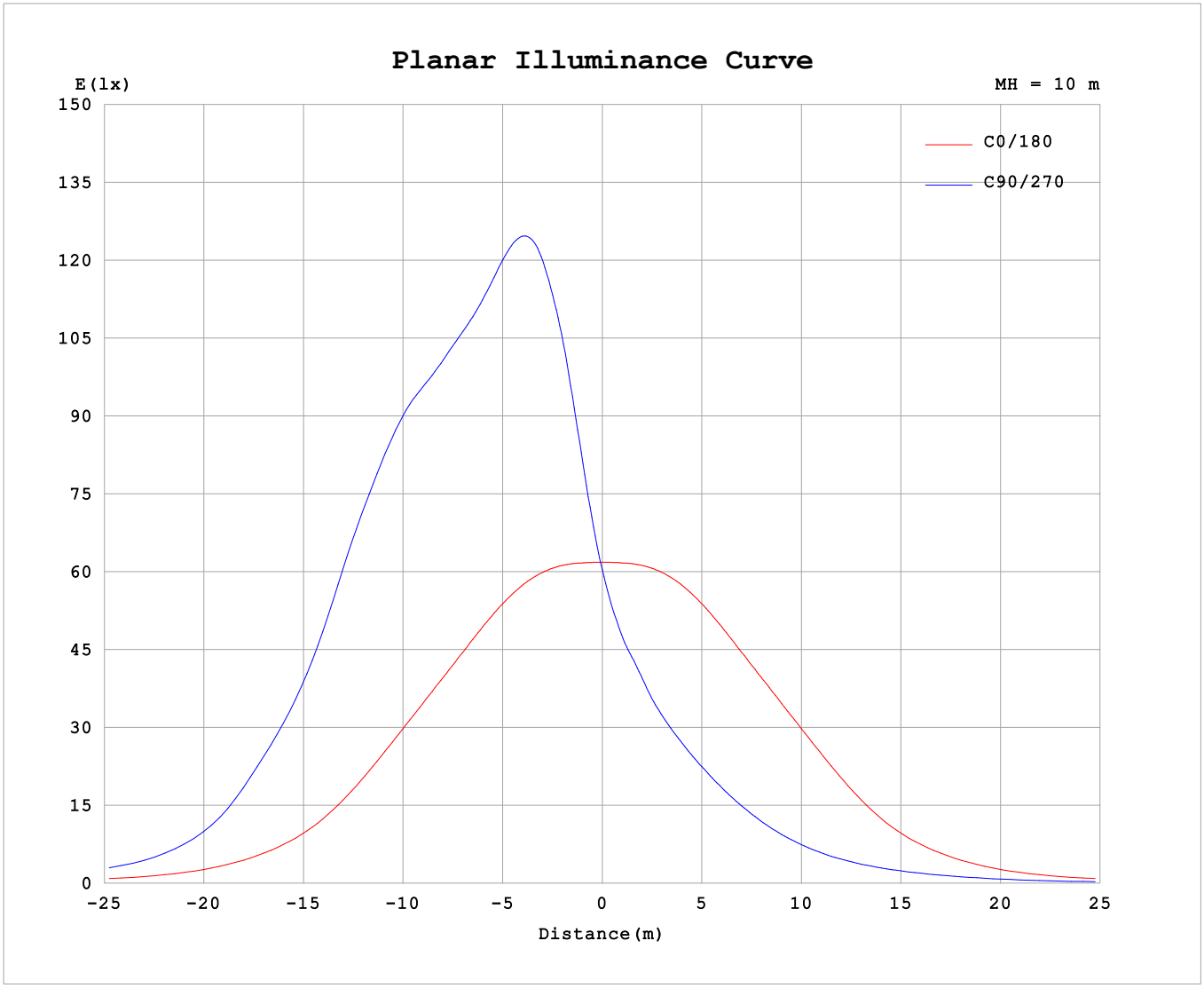
Imax:30391(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

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



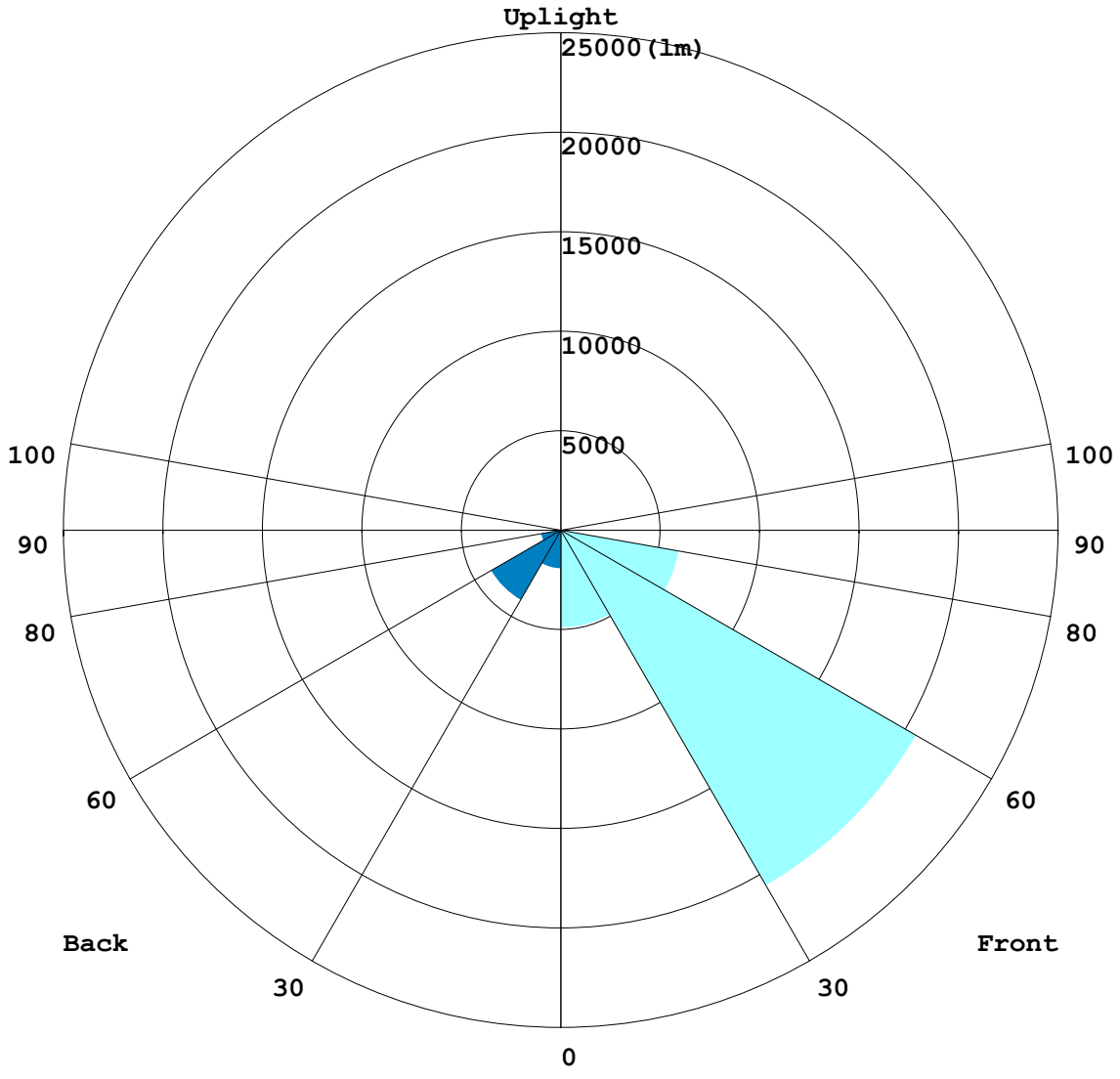
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38637.3x1 lm		
NAME: FL72-300(300W)-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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38637.3x1 lm		
NAME: FL72-300(300W)-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)	4896.4	12.7
FM - Front-Medium(30-60)	20616	53.4
FH - Front-High(60-80)	6019.4	15.6
FVH - Front-Very High(80-90)	83.988	0.2
Total Forward Light	31616	81.8
BL - Back-Low(0-30)	1922	5.0
BM - Back-Medium(30-60)	4042.2	10.5
BH - Back-High(60-80)	1003.9	2.6
BVH - Back-Very High(80-90)	53.102	0.1
Total Back Light	7021.3	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-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7021.3	0	7021.3
Street Side	31616	0	31616

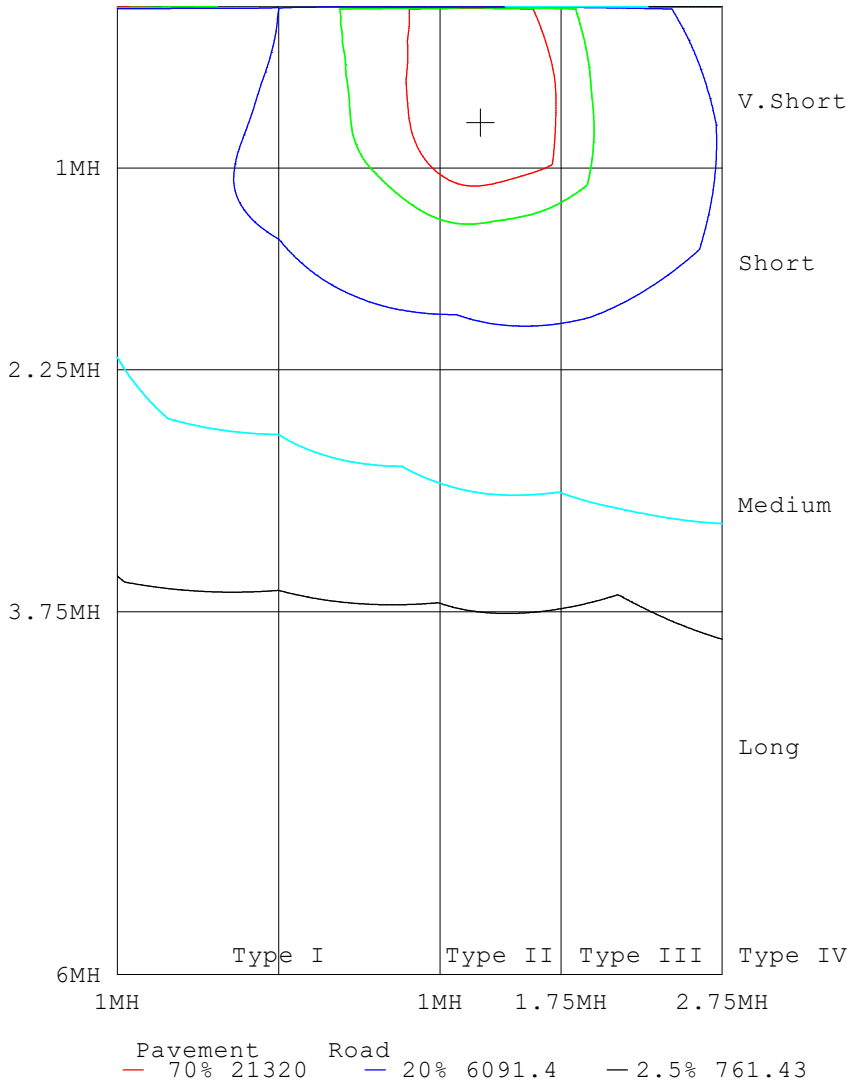
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:38637.3x1 lm		
NAME: FL72-300(300W)-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	619	604	604	603	604	602	605	602	604	603	604	604	619	604	604	603	604	602	605
5	625	649	692	730	766	785	796	785	766	730	692	649	625	575	546	522	507	496	495
10	643	710	805	897	979	1026	1047	1026	979	897	805	710	643	562	510	473	452	438	435
15	671	781	933	1078	1191	1259	1288	1259	1191	1078	933	781	671	560	491	440	405	385	382
20	705	858	1064	1238	1382	1467	1499	1467	1382	1238	1064	858	705	566	477	406	370	352	348
25	741	938	1184	1386	1536	1614	1642	1614	1536	1386	1184	938	741	579	459	383	345	325	322
30	777	1017	1294	1511	1654	1728	1757	1728	1654	1511	1294	1017	777	589	446	362	322	301	298
35	810	1087	1396	1622	1781	1894	1934	1894	1781	1622	1396	1087	810	596	435	339	296	275	272
40	839	1148	1484	1743	1995	2159	2194	2159	1995	1743	1484	1148	839	610	426	314	268	247	243
45	843	1176	1542	1918	2314	2543	2548	2543	2314	1918	1542	1176	843	615	416	289	238	216	212
50	780	1126	1517	2120	2746	2875	2742	2875	2746	2120	1517	1126	780	579	386	259	206	184	180
55	618	948	1342	2201	3044	2769	2424	2769	3044	2201	1342	948	618	466	327	216	174	153	150
60	430	700	1017	1843	2596	2216	1801	2216	2596	1843	1017	700	430	333	246	165	140	124	120
65	253	429	649	1101	1676	1247	888	1247	1676	1101	649	429	253	232	165	114	99.9	88.8	85.0
70	139	194	354	597	784	643	437	643	784	597	354	194	139	140	102	75.0	65.3	59.2	57.4
75	71.8	80.4	117	259	352	305	198	305	352	259	117	80.4	71.8	74.6	58.0	44.1	39.4	35.9	35.3
80	31.9	32.5	30.6	77.4	115	92.8	56.3	92.8	115	77.4	30.6	32.5	31.9	32.9	26.0	20.9	18.0	16.5	16.4
85	6.98	5.94	4.29	6.19	6.52	5.15	4.46	5.15	6.52	6.19	4.29	5.94	6.98	7.74	7.06	7.22	7.84	7.71	7.49
90	1.06	0.22	0.22	0.23	0.25	0.26	0.27	0.26	0.25	0.23	0.22	0.22	1.06	2.64	4.23	6.24	7.36	7.06	6.54

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	602	604	603	604	604														
5	496	507	522	546	575														
10	438	452	473	510	562														
15	385	405	440	491	560														
20	352	370	406	477	566														
25	325	345	383	459	579														
30	301	322	362	446	589														
35	275	296	339	435	596														
40	247	268	314	426	610														
45	216	238	289	416	615														
50	184	206	259	386	579														
55	153	174	216	327	466														
60	124	140	165	246	333														
65	88.8	99.9	114	165	232														
70	59.2	65.3	75.0	102	140														
75	35.9	39.4	44.1	58.0	74.6														
80	16.5	18.0	20.9	26.0	32.9														
85	7.71	7.84	7.22	7.06	7.74														
90	7.06	7.36	6.24	4.23	2.64														

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: