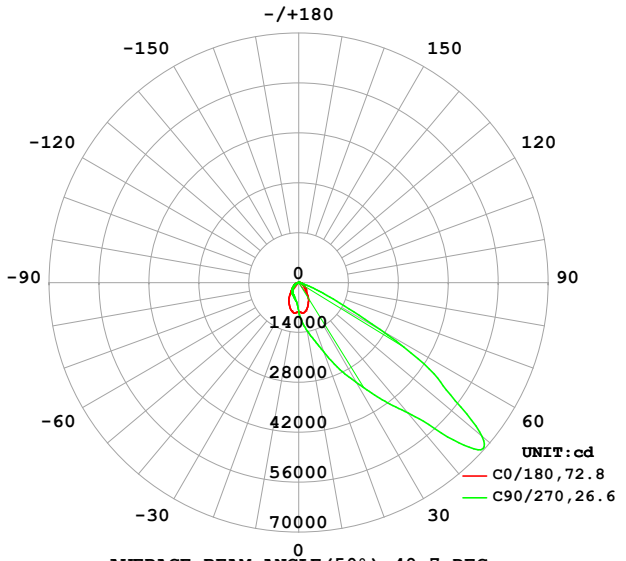
STREETLIGHT PHOTOMETRIC TEST REPORT

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:31670.8x1 lm		
NAME: FL72-300(300W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

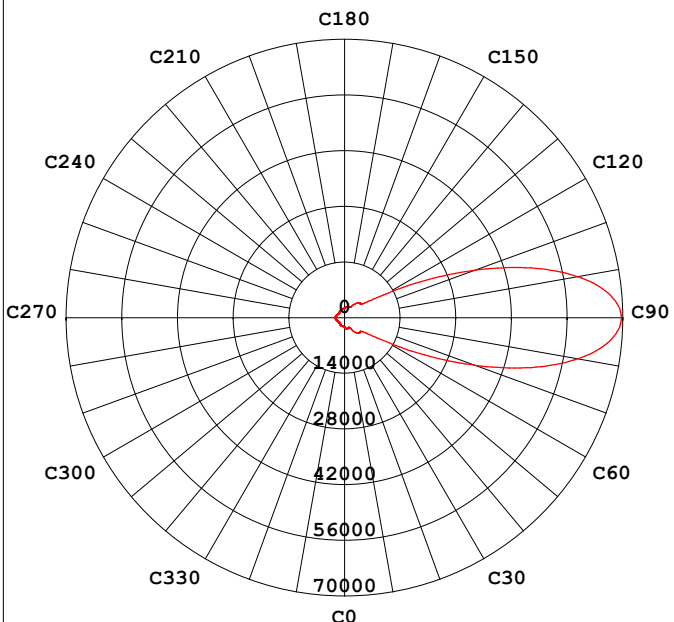
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 105.18 lm/W	
MODEL	/	Imax(cd)	69606	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	31671	η house_up(%)	0.0
NOMINAL FLUX(lm)	31670.8	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):49.7 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

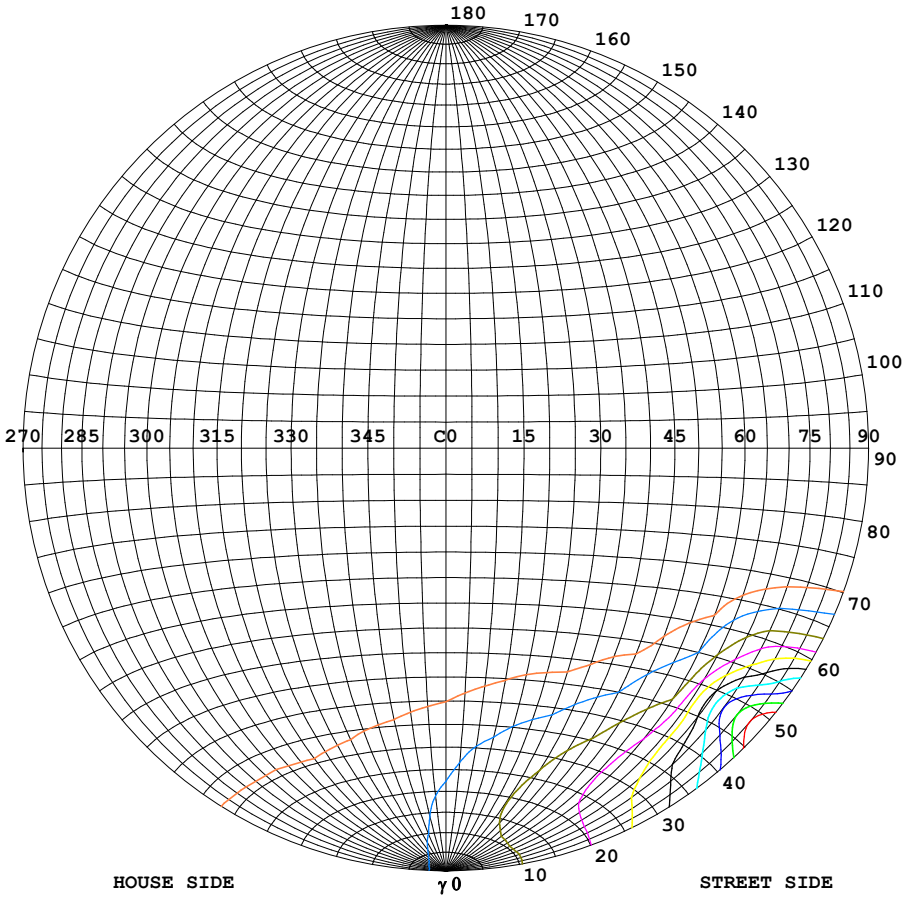


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

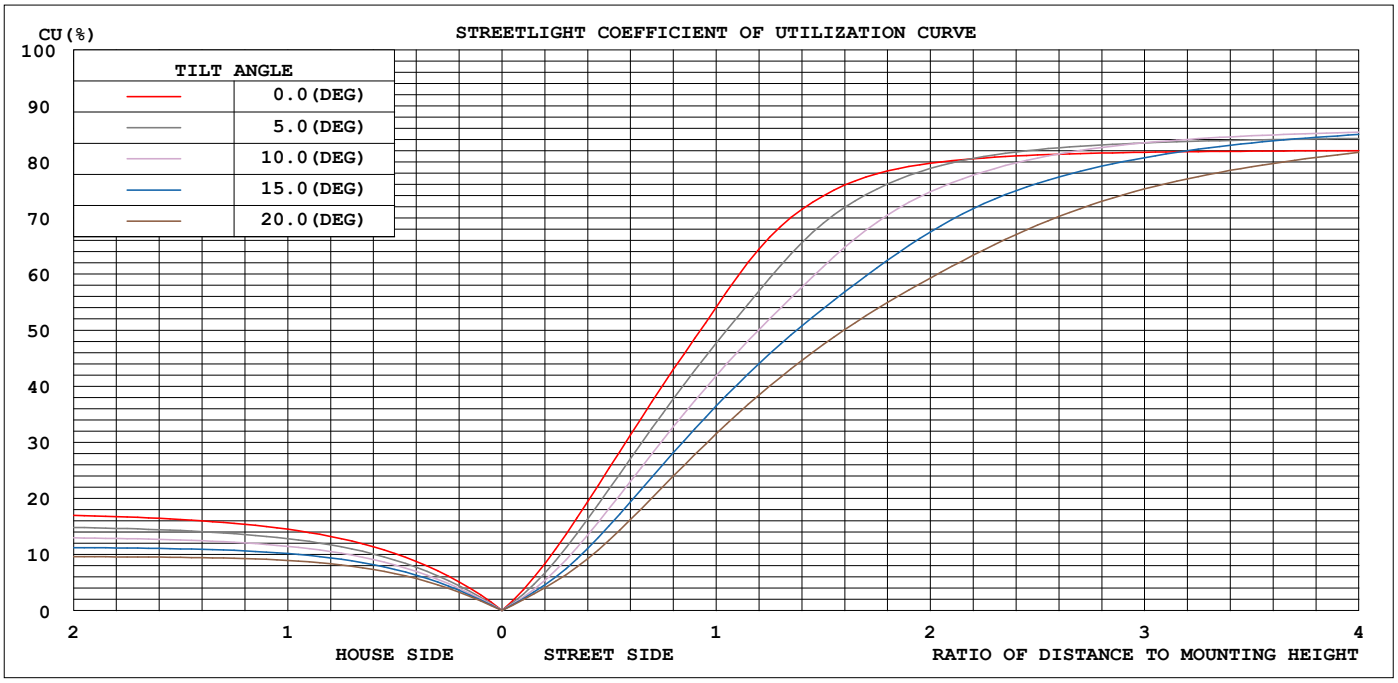
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

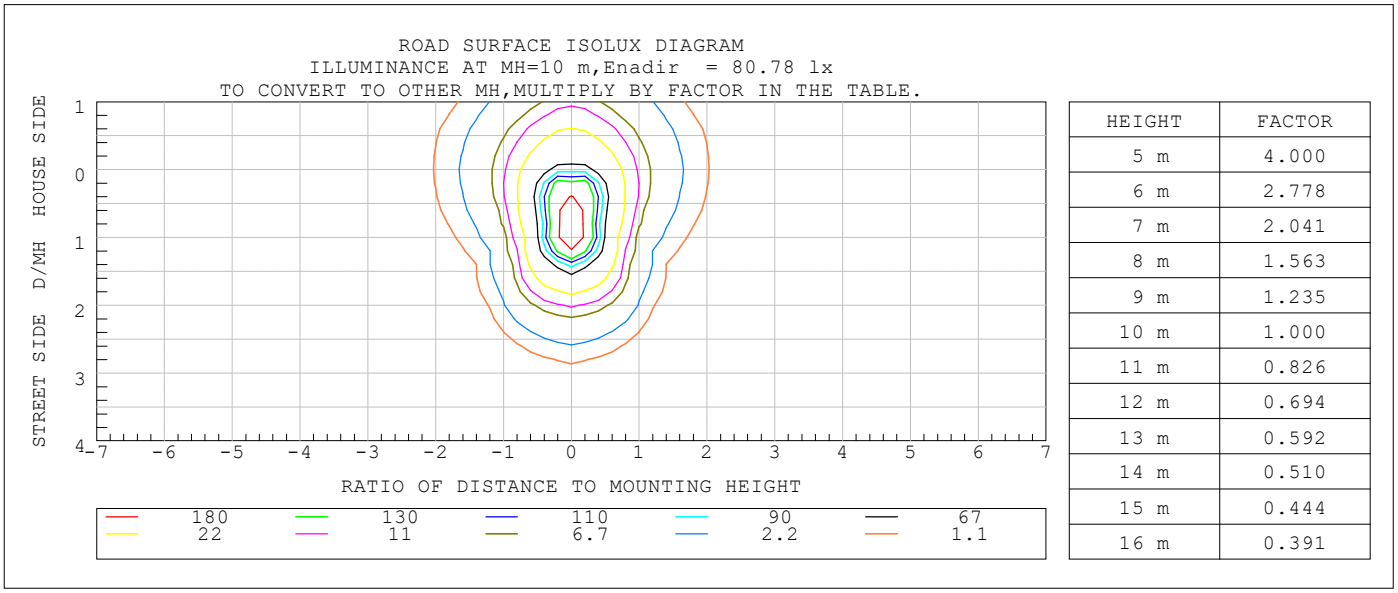
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	69606
90%	62646
80%	55685
70%	48724
60%	41764
50%	34803
40%	27843
30%	20882
20%	13921
10%	6961
5%	3480

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:

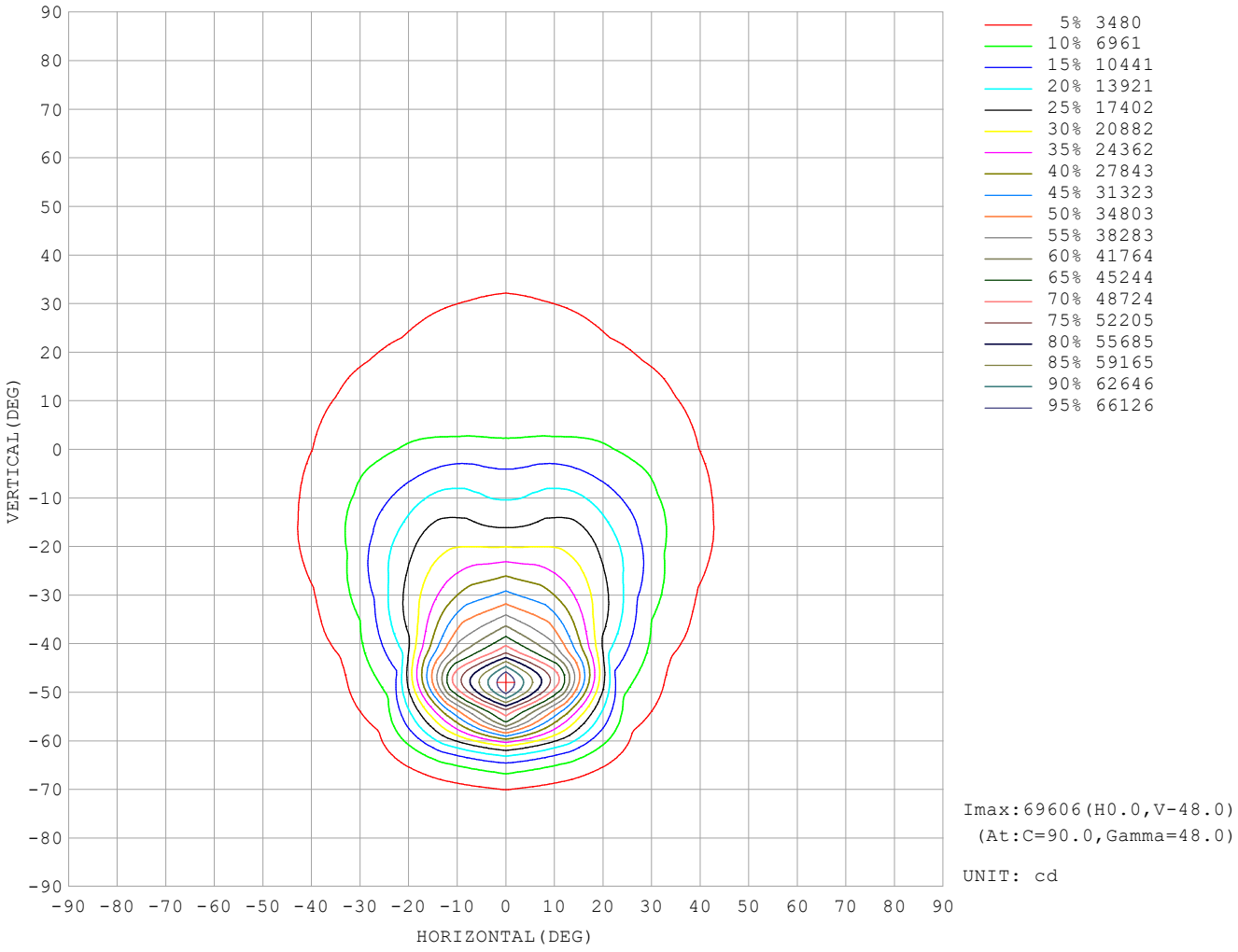
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	859.5	1311	1367	1311	859.5	547.4	508.6	547.4	0- 10	823.6	823.6	2.6,2.6
20	736.4	1735	2075	1735	736.4	455.7	418.2	455.7	10- 20	2787	3611	11.4,11.4
30	563.2	1642	3227	1642	563.2	357.0	364.5	357.0	20- 30	4930	8540	27,27
40	344.3	1050	4779	1050	344.3	272.8	297.3	272.8	30- 40	6592	15132	47.8,47.8
50	233.8	466.8	6720	466.8	233.8	183.7	225.0	183.7	40- 50	7781	22913	72.3,72.3
60	150.1	159.6	2635	159.6	150.1	125.2	156.4	125.2	50- 60	5874	28788	90.9,90.9
70	89.39	63.77	358.4	63.77	89.39	65.55	70.03	65.55	60- 70	2171	30959	97.8,97.8
80	31.41	16.00	33.16	16.00	31.41	19.79	19.61	19.79	70- 80	615.2	31574	99.7,99.7
90	0.5732	0.1602	0.2516	0.1602	0.5732	1.048	4.819	1.048	80- 90	96.90	31671	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:

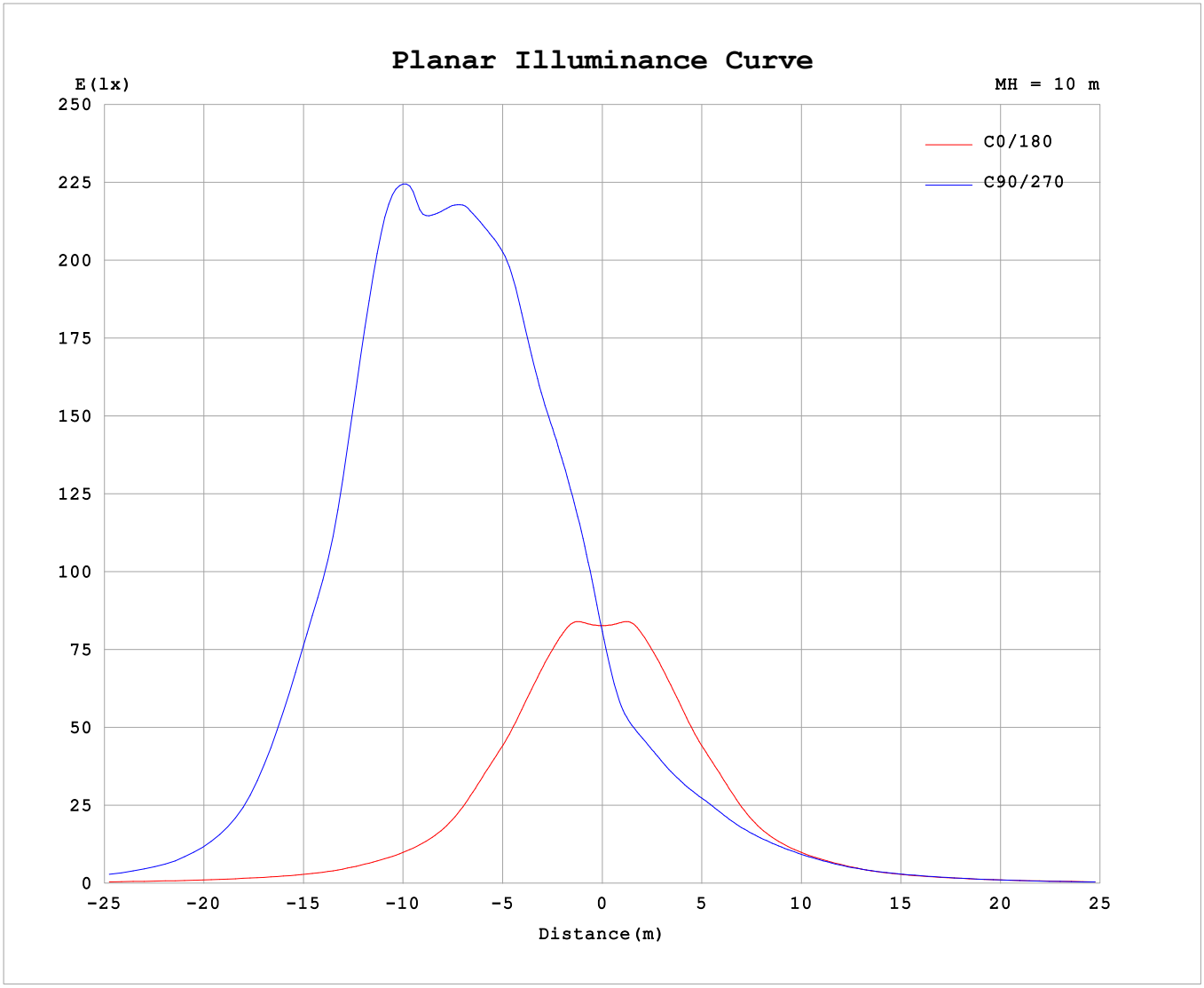
ISOCANDELA DIAGRAM



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



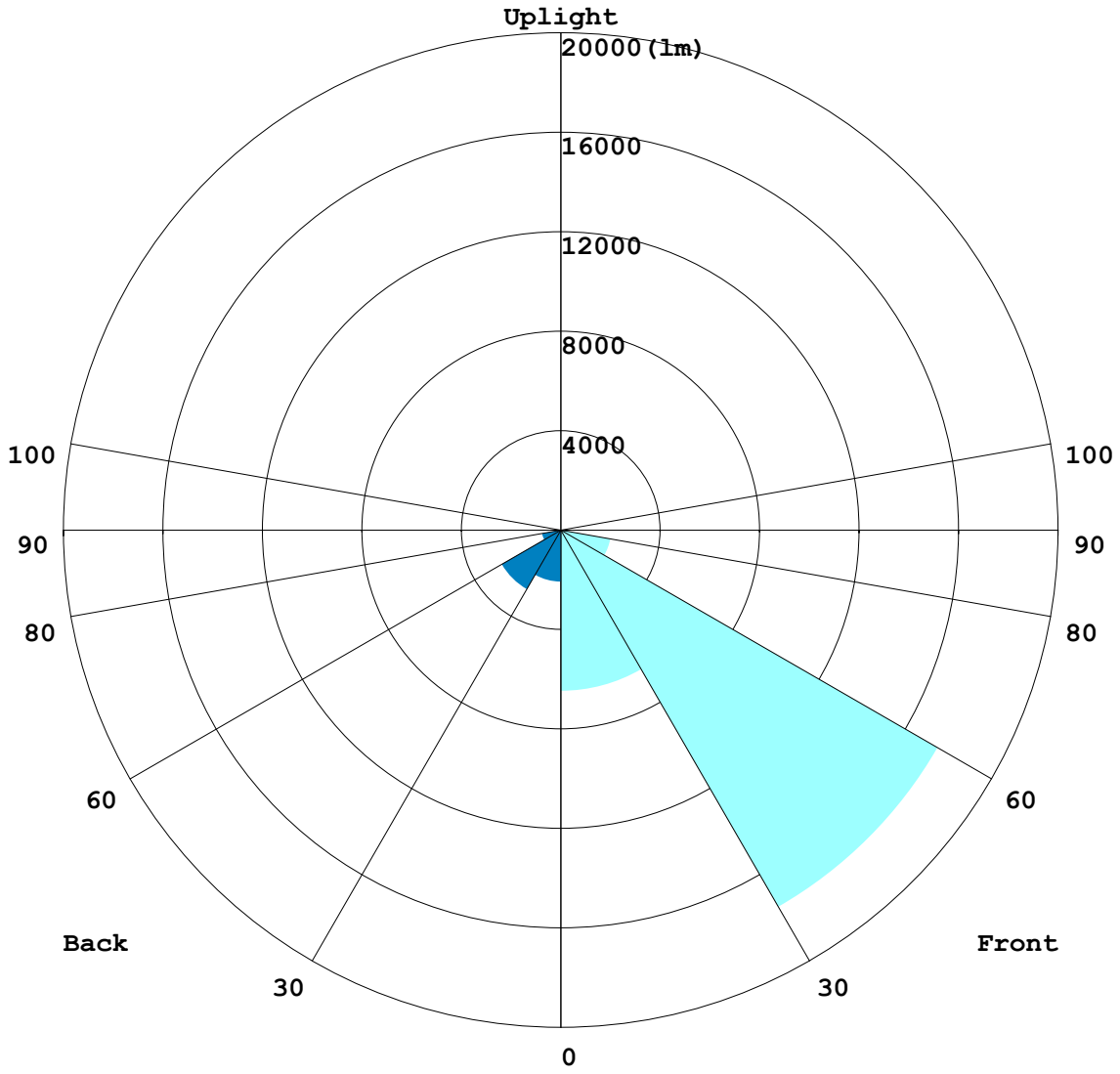
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:31670.8x1 lm		
NAME: FL72-300(300W)-F04802-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:31670.8x1 lm		
NAME: FL72-300(300W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6461.5	20.4
FM - Front-Medium(30-60)	17501	55.3
FH - Front-High(60-80)	2020.7	6.4
FVH - Front-Very High(80-90)	48.06	0.2
Total Forward Light	26031	82.2
BL - Back-Low(0-30)	2078.7	6.6
BM - Back-Medium(30-60)	2746.4	8.7
BH - Back-High(60-80)	765.65	2.4
BVH - Back-Very High(80-90)	48.839	0.2
Total Back Light	5639.7	17.8
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	5639.7	0	5639.7
Street Side	26031	0	26031

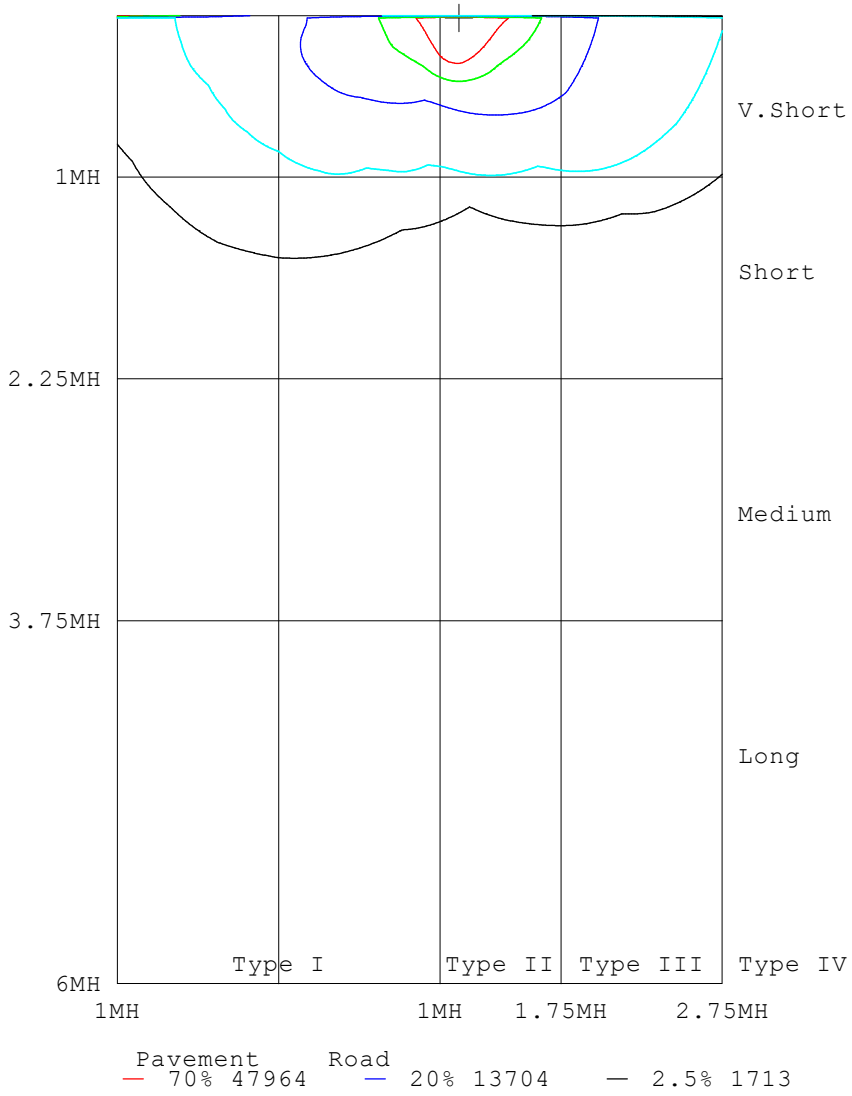
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:31670.8x1 lm		
NAME: FL72-300(300W)-F04802-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	827	805	807	806	809	806	810	806	809	806	807	805	827	805	807	806	809	806	810
5	846	902	977	1029	1069	1084	1095	1084	1069	1029	977	902	846	752	693	645	614	593	590
10	859	1017	1198	1311	1360	1360	1367	1360	1360	1311	1198	1017	859	693	600	547	522	510	509
15	811	1043	1347	1567	1664	1655	1660	1655	1664	1567	1347	1043	811	621	539	499	478	465	462
20	736	986	1373	1735	1935	2025	2075	2025	1935	1735	1373	986	736	563	495	456	433	421	418
25	644	881	1280	1760	2137	2476	2658	2476	2137	1760	1280	881	644	496	439	407	393	388	390
30	563	774	1125	1642	2231	2882	3227	2882	2231	1642	1125	774	563	434	380	357	358	358	365
35	447	604	897	1409	2192	3333	3961	3333	2192	1409	897	604	447	368	329	313	317	320	327
40	344	440	615	1050	1965	3762	4779	3762	1965	1050	615	440	344	301	281	273	266	285	297
45	282	342	428	693	1507	4478	6350	4478	1507	693	428	342	282	251	241	223	223	249	265
50	234	245	257	467	1024	4624	6720	4624	1024	467	257	245	234	211	204	184	185	208	225
55	181	186	191	244	694	2952	4858	2952	694	244	191	186	181	176	161	154	151	170	186
60	150	146	142	160	423	1719	2635	1719	423	160	142	146	150	143	129	125	121	139	156
65	119	115	104	102	239	710	962	710	239	102	104	115	119	122	103	94.3	89.1	103	116
70	89.4	79.0	73.7	63.8	128	253	358	253	128	63.8	73.7	79.0	89.4	91.5	79.0	65.6	59.4	62.7	70.0
75	65.2	57.1	82.4	34.3	55.7	84.2	113	84.2	55.7	34.3	82.4	57.1	65.2	62.3	54.5	40.9	35.8	37.6	41.2
80	31.4	26.1	26.4	16.0	18.5	23.5	33.2	23.5	18.5	16.0	26.4	26.1	31.4	35.7	27.1	19.8	18.4	18.3	19.6
85	12.8	6.54	16.9	3.68	3.02	4.02	6.18	4.02	3.02	3.68	16.9	6.54	12.8	7.28	5.98	5.14	5.30	6.22	7.14
90	0.57	0.15	0.15	0.16	0.18	0.22	0.25	0.22	0.18	0.16	0.15	0.15	0.57	0.93	0.88	1.05	2.03	3.77	4.82

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	806	809	806	807	805														
5	593	614	645	693	752														
10	510	522	547	600	693														
15	465	478	499	539	621														
20	421	433	456	495	563														
25	388	393	407	439	496														
30	358	358	357	380	434														
35	320	317	313	329	368														
40	285	266	273	281	301														
45	249	223	223	241	251														
50	208	185	184	204	211														
55	170	151	154	161	176														
60	139	121	125	129	143														
65	103	89.1	94.3	103	122														
70	62.7	59.4	65.6	79.0	91.5														
75	37.6	35.8	40.9	54.5	62.3														
80	18.3	18.4	19.8	27.1	35.7														
85	6.22	5.30	5.14	5.98	7.28														
90	3.77	2.03	1.05	0.88	0.93														

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: