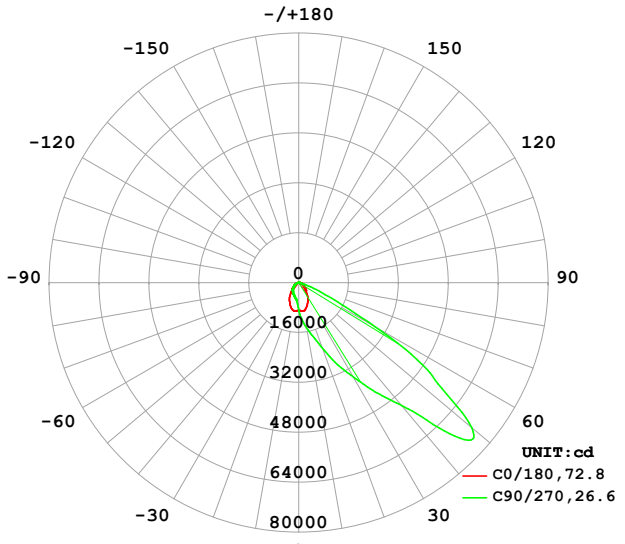
STREETLIGHT PHOTOMETRIC TEST REPORT

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:34146.1x1 lm		
NAME: FL72-300(300W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

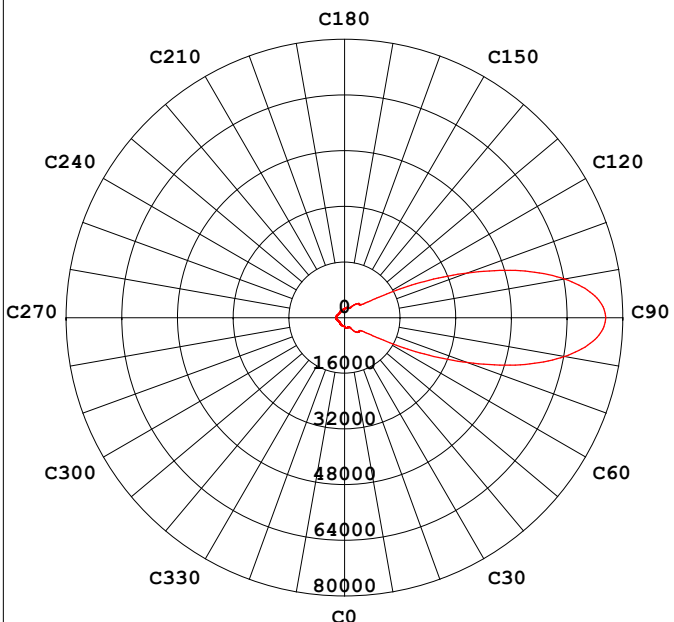
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 113.40 lm/W	
MODEL	/	Imax(cd)	75047	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	34146	η house_up(%)	0.0
NOMINAL FLUX(lm)	34146.1	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 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

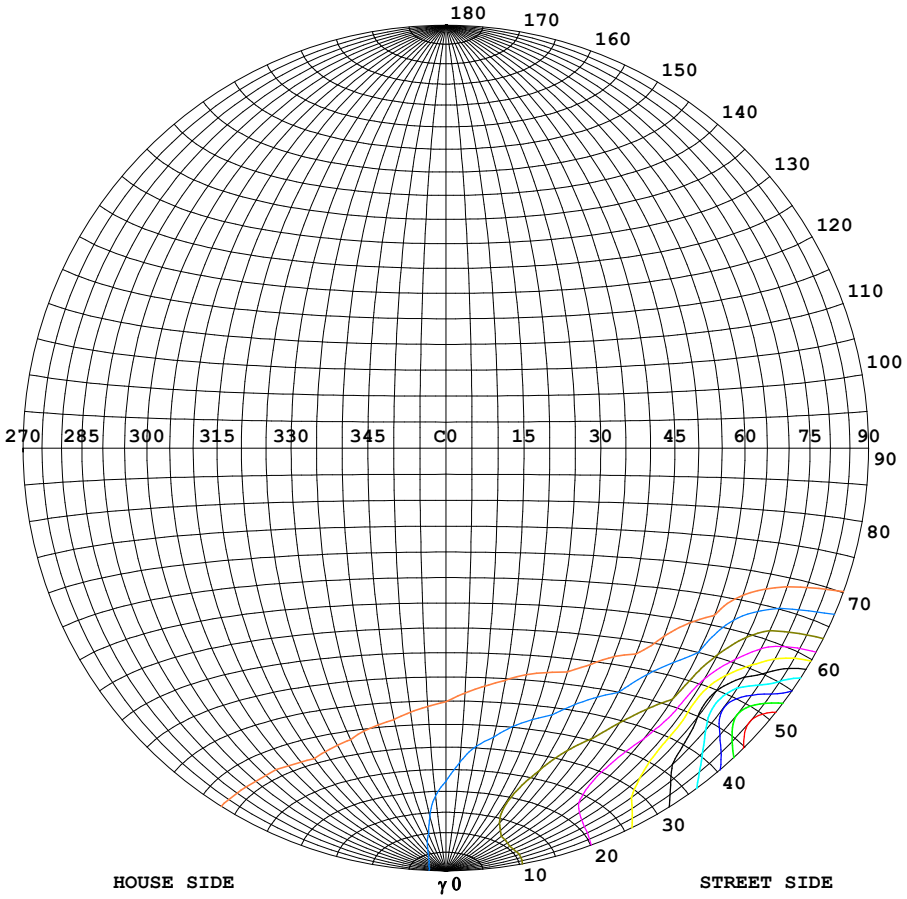


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

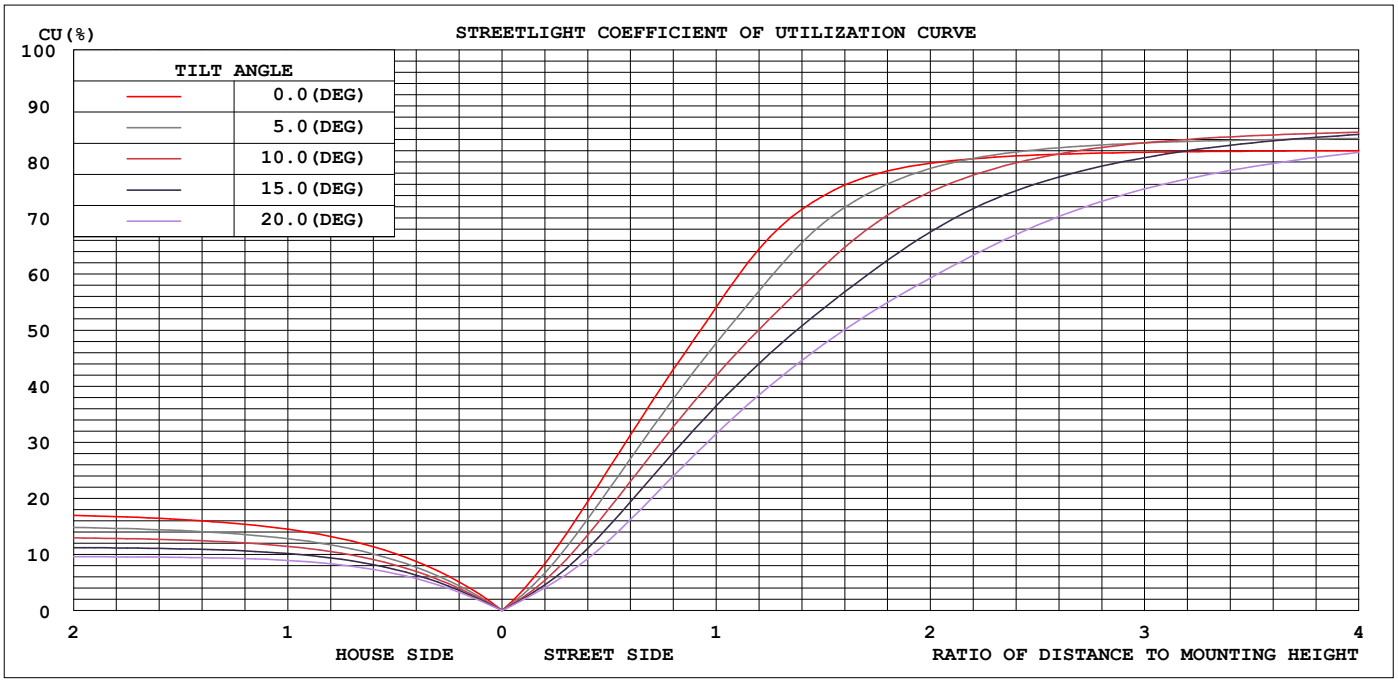
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

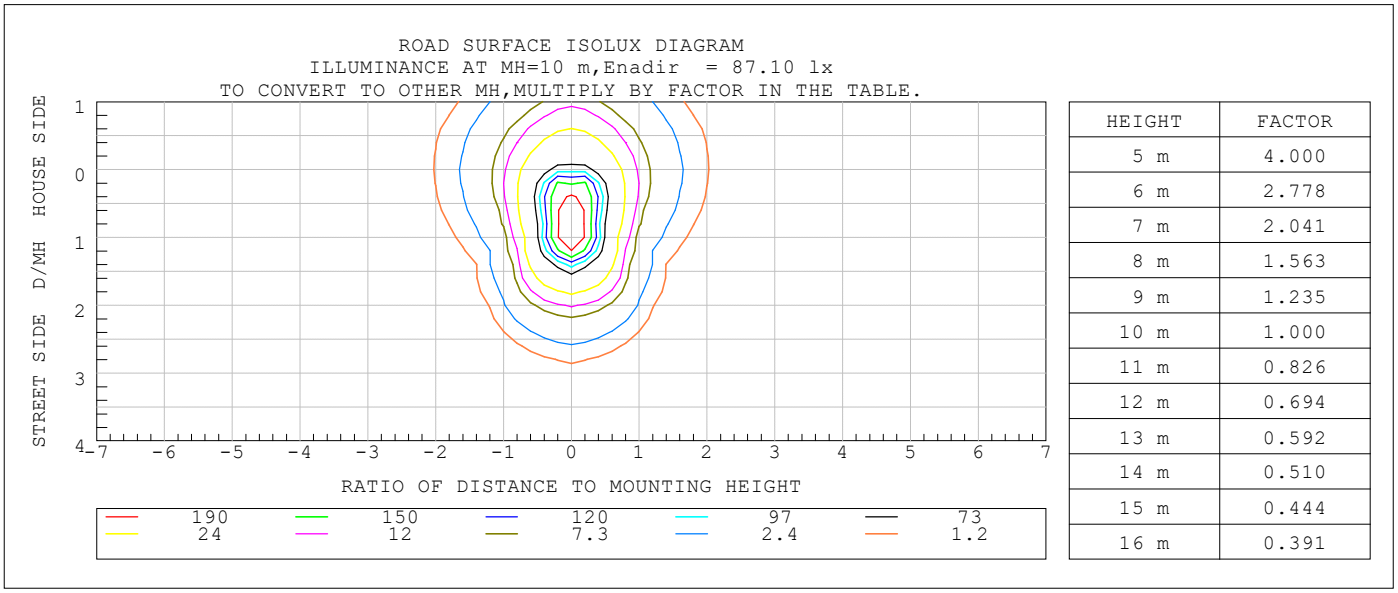
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	75047
90%	67542
80%	60037
70%	52533
60%	45028
50%	37523
40%	30019
30%	22514
20%	15009
10%	7505
5%	3752

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:

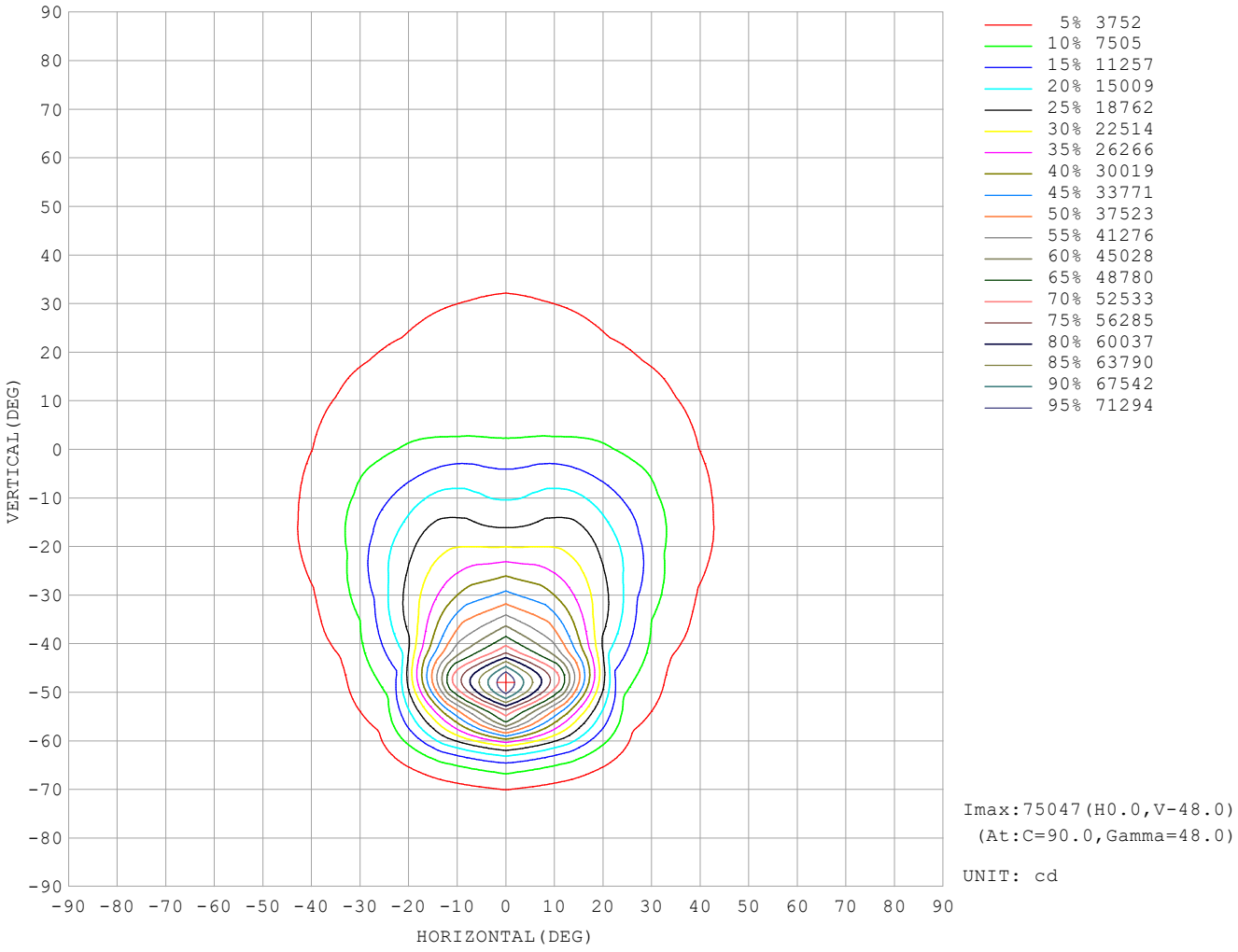
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	926.6	1414	1474	1414	926.6	590.2	548.3	590.2	0- 10	888.0	888.0	2.6,2.6
20	794.0	1870	2237	1870	794.0	491.4	450.9	491.4	10- 20	3005	3893	11.4,11.4
30	607.3	1770	3480	1770	607.3	384.8	393.0	384.8	20- 30	5315	9208	27,27
40	371.2	1132	5152	1132	371.2	294.2	320.5	294.2	30- 40	7107	16315	47.8,47.8
50	252.1	503.3	7245	503.3	252.1	198.0	242.6	198.0	40- 50	8390	24704	72.3,72.3
60	161.9	172.1	2841	172.1	161.9	135.0	168.6	135.0	50- 60	6333	31037	90.9,90.9
70	96.37	68.76	386.4	68.76	96.37	70.67	75.51	70.67	60- 70	2341	33378	97.8,97.8
80	33.86	17.25	35.75	17.25	33.86	21.34	21.14	21.34	70- 80	663.3	34042	99.7,99.7
90	0.6180	0.1727	0.2712	0.1727	0.6180	1.130	5.196	1.130	80- 90	104.5	34146	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:

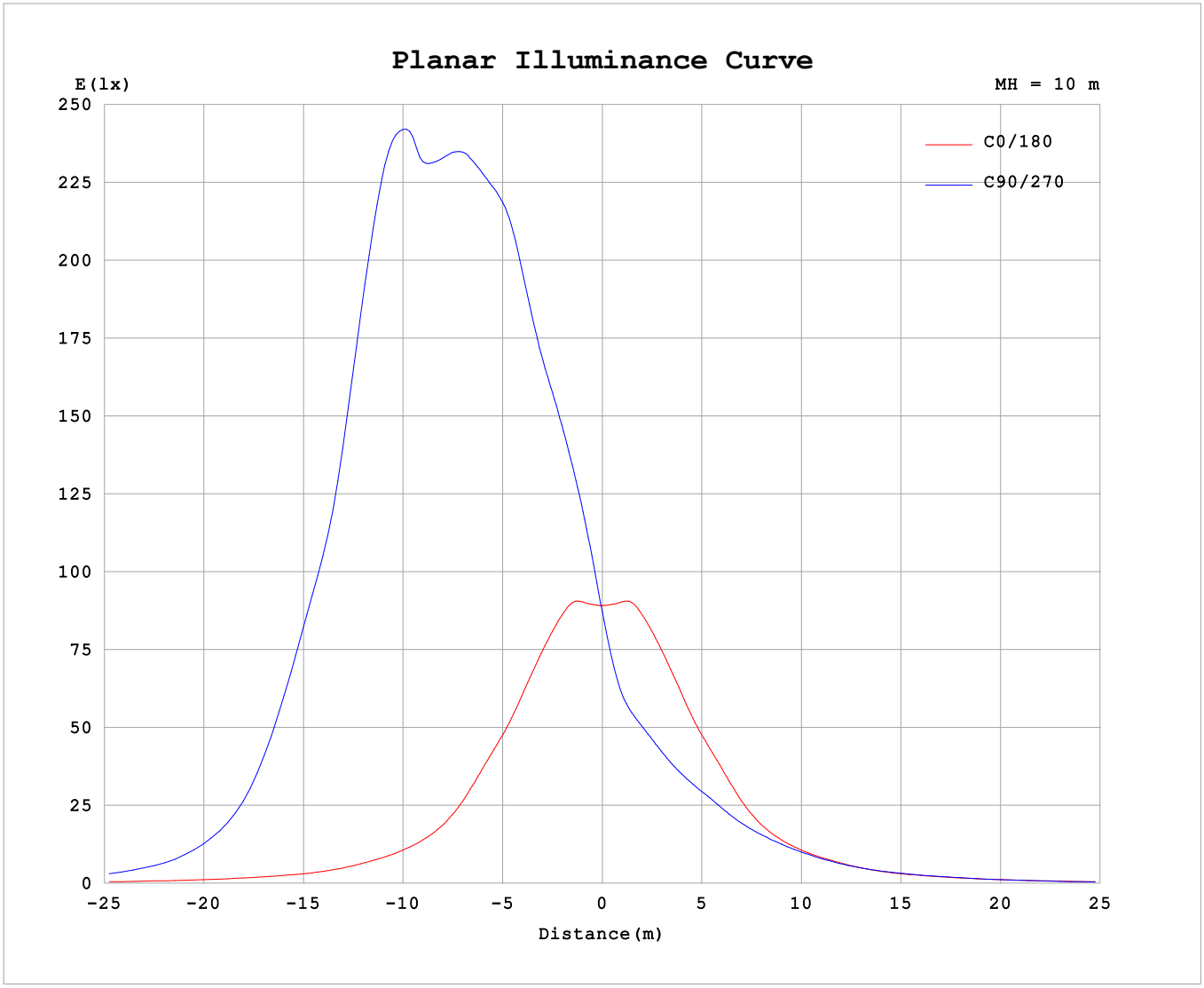
ISOCANDELA DIAGRAM



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



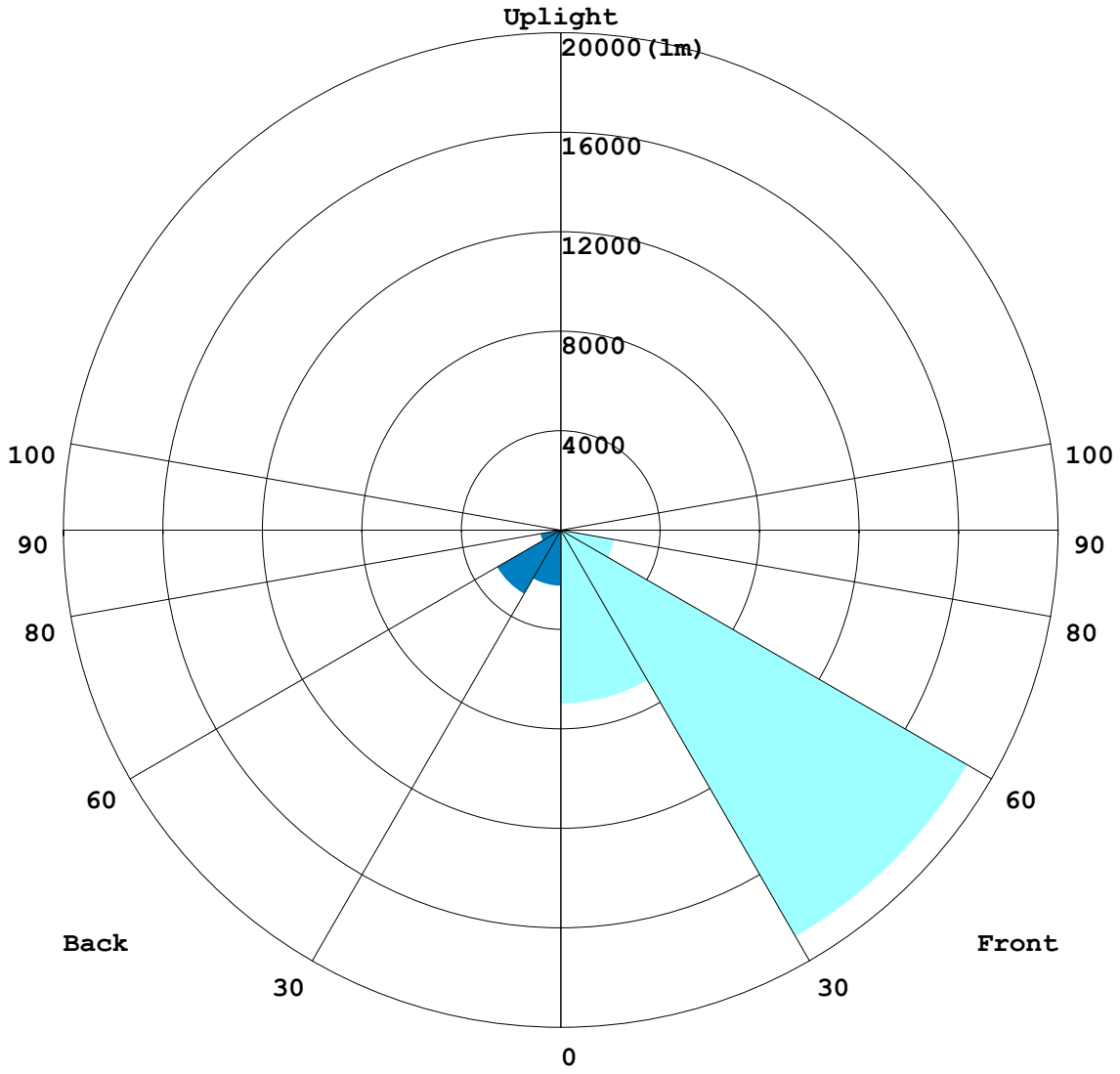
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:34146.1x1 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:34146.1x1 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)	6966.5	20.4
FM - Front-Medium(30-60)	18869	55.3
FH - Front-High(60-80)	2178.6	6.4
FVH - Front-Very High(80-90)	51.816	0.2
Total Forward Light	28066	82.2
BL - Back-Low(0-30)	2241.2	6.6
BM - Back-Medium(30-60)	2961.1	8.7
BH - Back-High(60-80)	825.49	2.4
BVH - Back-Very High(80-90)	52.656	0.2
Total Back Light	6080.4	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	6080.4	0	6080.4
Street Side	28066	0	28066

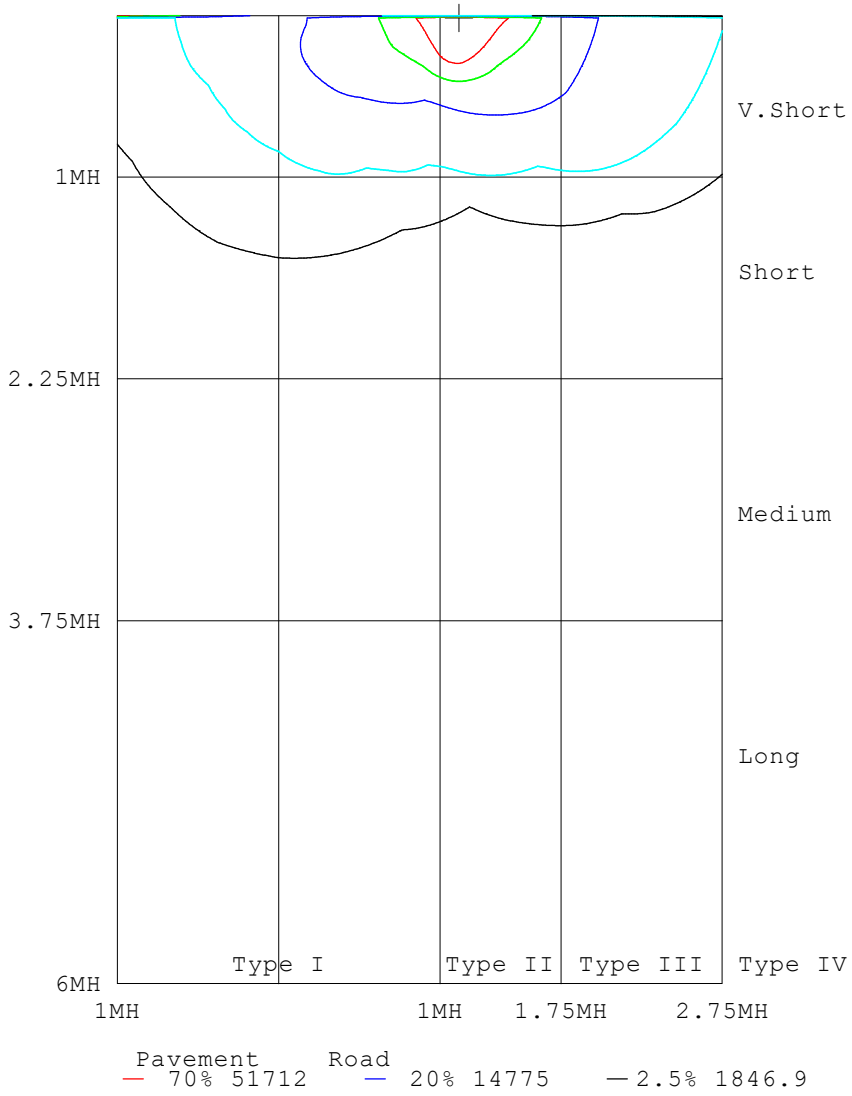
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:34146.1x1 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	892	868	870	869	873	869	873	869	873	869	870	868	892	868	870	869	873	869	873
5	912	972	1053	1109	1152	1169	1181	1169	1152	1109	1053	972	912	810	748	695	662	640	636
10	927	1097	1291	1414	1467	1466	1474	1466	1467	1414	1291	1097	927	747	647	590	563	550	548
15	874	1125	1452	1690	1794	1785	1790	1785	1794	1690	1452	1125	874	670	581	538	515	501	498
20	794	1063	1480	1870	2087	2183	2237	2183	2087	1870	1480	1063	794	607	534	491	467	454	451
25	695	950	1380	1897	2304	2670	2866	2670	2304	1897	1380	950	695	535	474	439	424	418	420
30	607	834	1213	1770	2405	3107	3480	3107	2405	1770	1213	834	607	468	410	385	386	386	393
35	482	651	968	1519	2364	3594	4271	3594	2364	1519	968	651	482	396	355	337	342	345	352
40	371	474	663	1132	2118	4056	5152	4056	2118	1132	663	474	371	325	303	294	287	308	321
45	304	369	462	748	1625	4828	6847	4828	1625	748	462	369	304	271	260	240	240	269	286
50	252	265	278	503	1104	4986	7245	4986	1104	503	278	265	252	228	220	198	200	224	243
55	195	200	206	263	749	3183	5238	3183	749	263	206	200	195	190	174	166	163	183	200
60	162	157	154	172	456	1854	2841	1854	456	172	154	157	162	155	139	135	131	150	169
65	129	124	112	109	257	766	1037	766	257	109	112	124	129	131	111	102	96.1	111	125
70	96.4	85.2	79.5	68.8	138	273	386	273	138	68.8	79.5	85.2	96.4	98.6	85.2	70.7	64.0	67.6	75.5
75	70.3	61.6	88.9	37.0	60.0	90.8	121	90.8	60.0	37.0	88.9	61.6	70.3	67.1	58.7	44.1	38.6	40.5	44.5
80	33.9	28.2	28.5	17.2	20.0	25.4	35.8	25.4	20.0	17.2	28.5	28.2	33.9	38.5	29.2	21.3	19.9	19.7	21.1
85	13.8	7.06	18.2	3.96	3.25	4.34	6.66	4.34	3.25	3.96	18.2	7.06	13.8	7.85	6.45	5.54	5.71	6.71	7.70
90	0.62	0.16	0.17	0.17	0.20	0.24	0.27	0.24	0.20	0.17	0.17	0.16	0.62	1.00	0.95	1.13	2.19	4.07	5.20

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	869	873	869	870	868														
5	640	662	695	748	810														
10	550	563	590	647	747														
15	501	515	538	581	670														
20	454	467	491	534	607														
25	418	424	439	474	535														
30	386	386	385	410	468														
35	345	342	337	355	396														
40	308	287	294	303	325														
45	269	240	240	260	271														
50	224	200	198	220	228														
55	183	163	166	174	190														
60	150	131	135	139	155														
65	111	96.1	102	111	131														
70	67.6	64.0	70.7	85.2	98.6														
75	40.5	38.6	44.1	58.7	67.1														
80	19.7	19.9	21.3	29.2	38.5														
85	6.71	5.71	5.54	6.45	7.85														
90	4.07	2.19	1.13	0.95	1.00														

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: