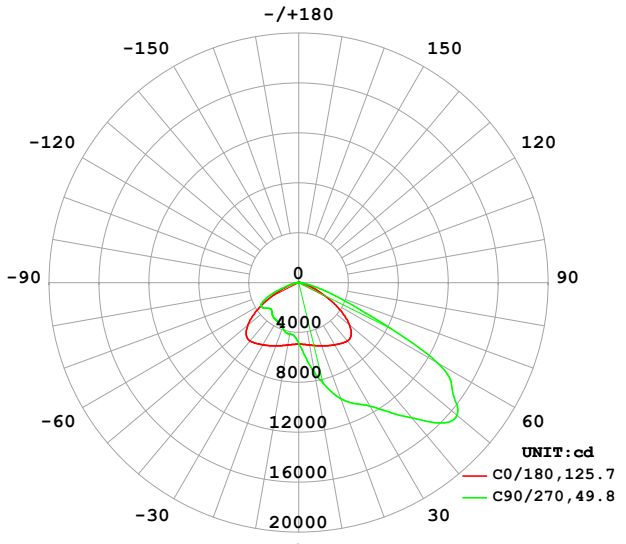
STREETLIGHT PHOTOMETRIC TEST REPORT

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:28082.1x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

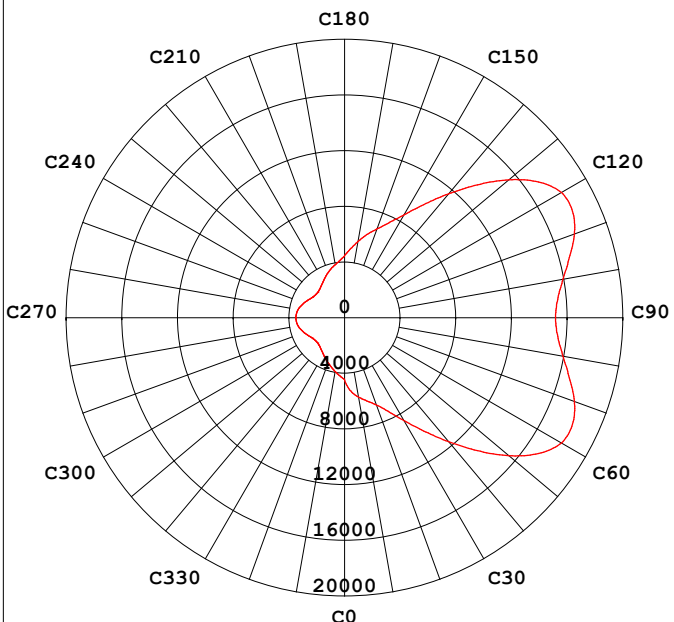
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 182.23 lm/W
MODEL	/	Imax(cd)	18000	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	28082	η house_up(%)	0.0
NOMINAL FLUX(lm)	28082.1	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

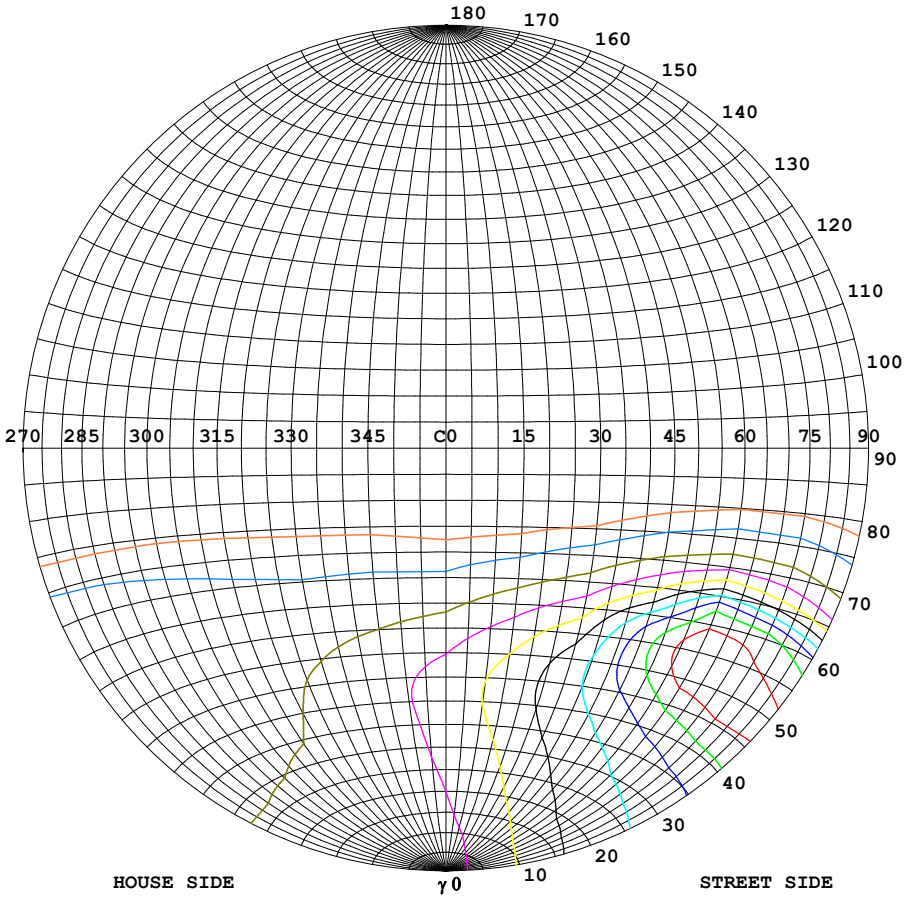


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

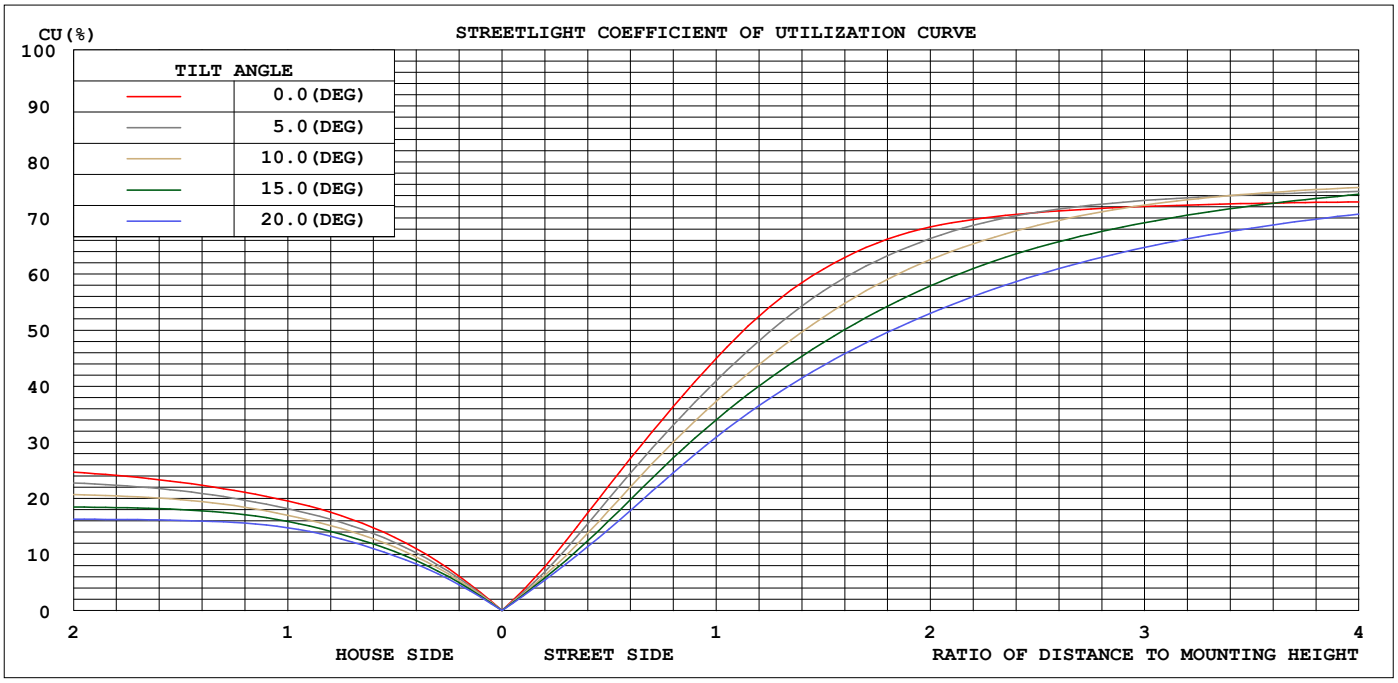
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

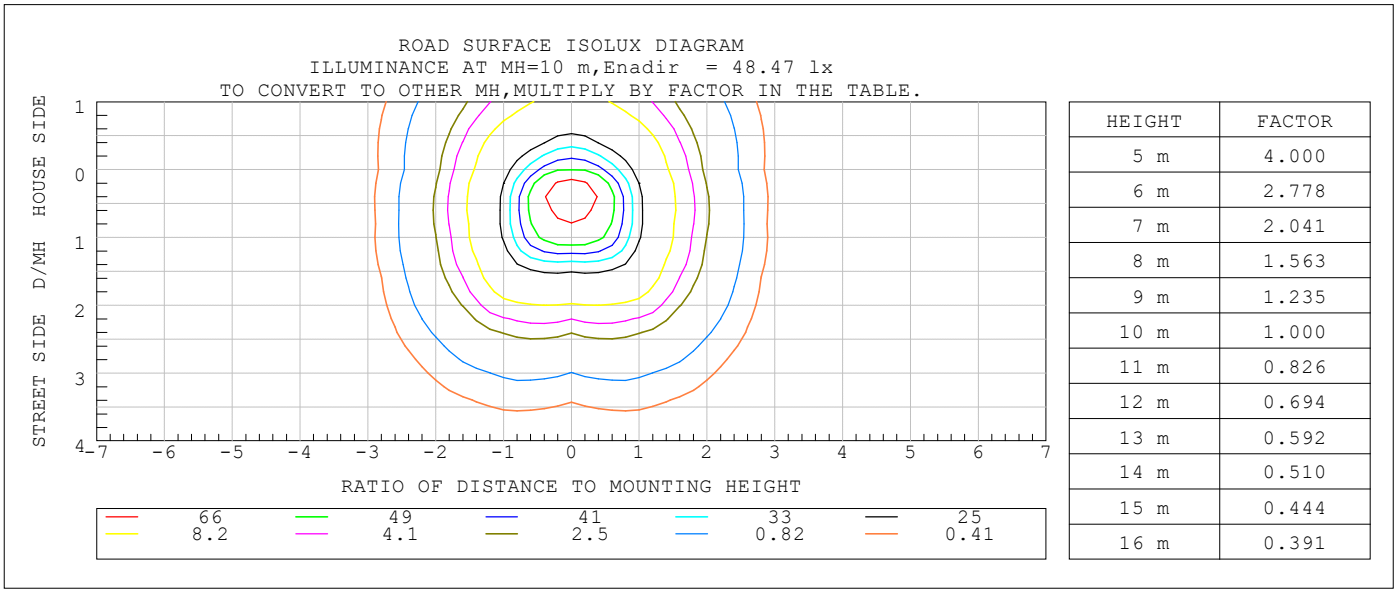
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	18000
90%	16200
80%	14400
70%	12600
60%	10800
50%	9000
40%	7200
30%	5400
20%	3600
10%	1800
5%	900

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:

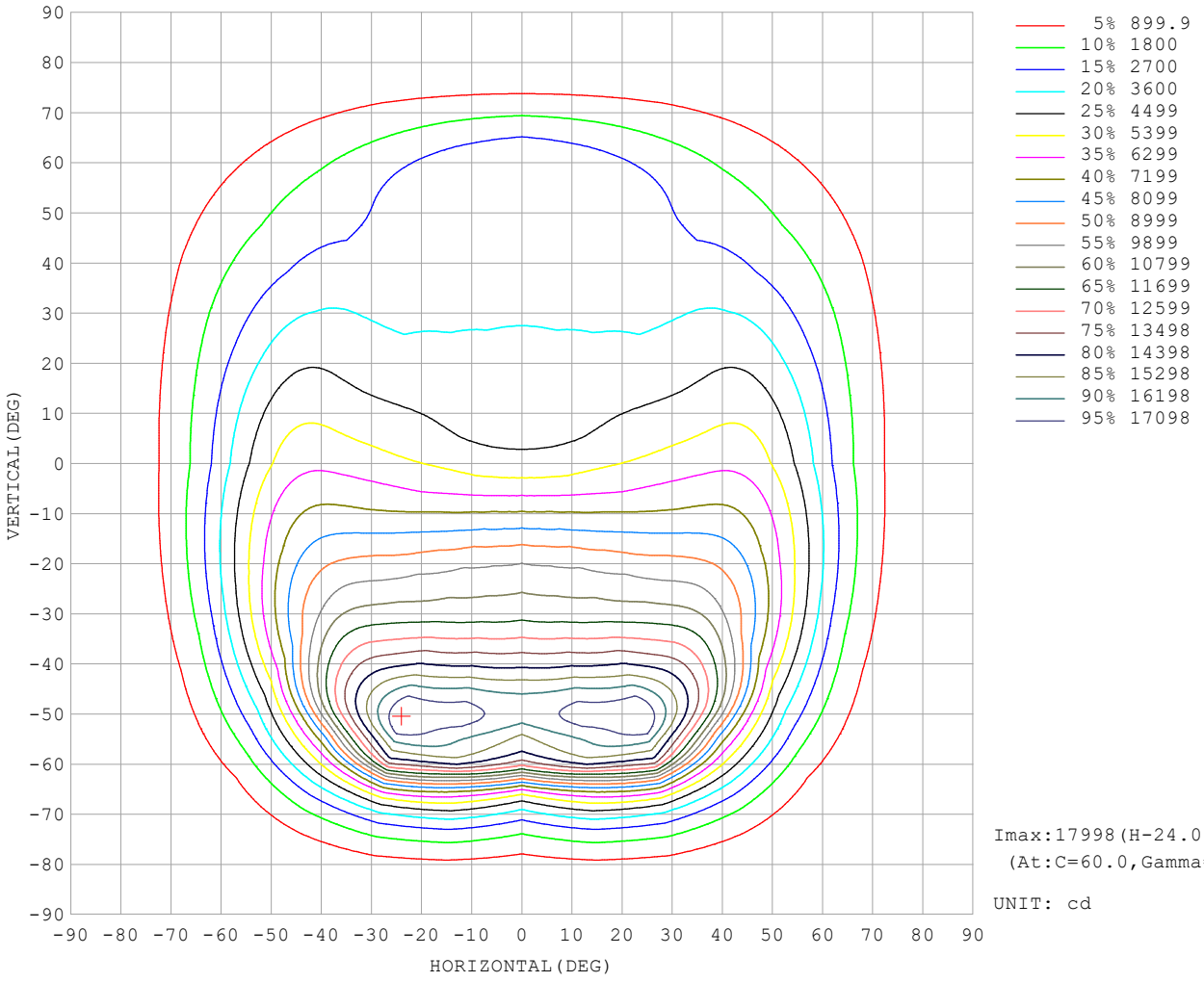
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	508.4	648.2	731.6	648.2	508.4	425.4	419.1	425.4	0- 10	489.8	489.8	1.74,1.74
20	540.0	832.9	990.2	832.9	540.0	414.9	384.7	414.9	10- 20	1656	2146	7.64,7.64
30	576.4	991.0	1143	991.0	576.4	374.0	354.8	374.0	20- 30	2997	5143	18.3,18.3
40	610.2	1138	1415	1138	610.2	340.5	331.5	340.5	30- 40	4446	9589	34.1,34.1
50	534.1	1342	1656	1342	534.1	297.0	321.6	297.0	40- 50	6067	15657	55.8,55.8
60	316.1	1114	1288	1114	316.1	233.9	348.4	233.9	50- 60	6721	22378	79.7,79.7
70	120.0	390.6	318.4	390.6	120.0	136.9	165.5	136.9	60- 70	4265	26643	94.9,94.9
80	28.75	63.13	54.87	63.13	28.75	34.28	31.01	34.28	70- 80	1290	27933	99.5,99.5
90	0.8850	0.2681	0.3496	0.2681	0.8850	4.112	4.585	4.112	80- 90	149.4	28082	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:

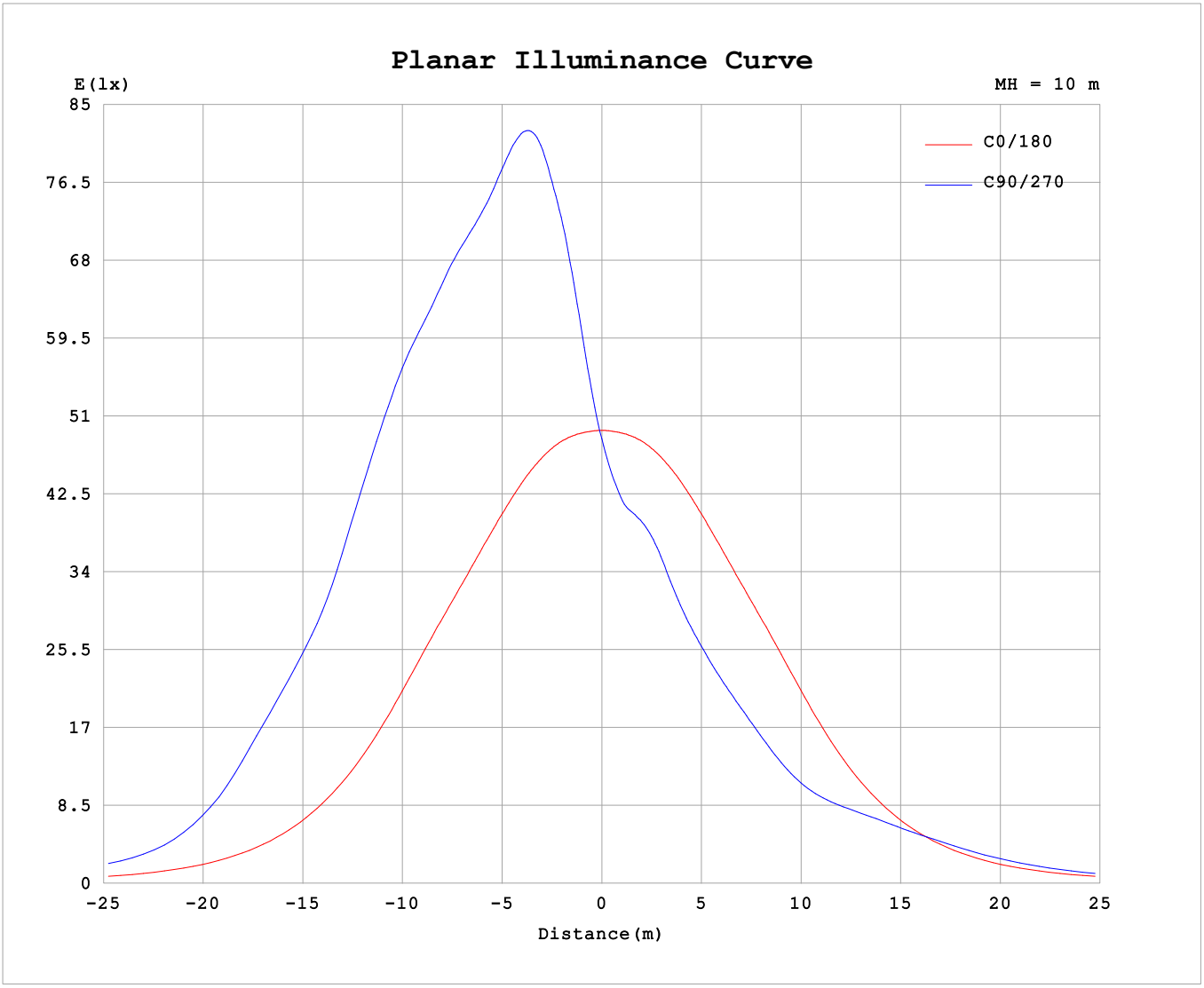
ISOCANDELA DIAGRAM



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



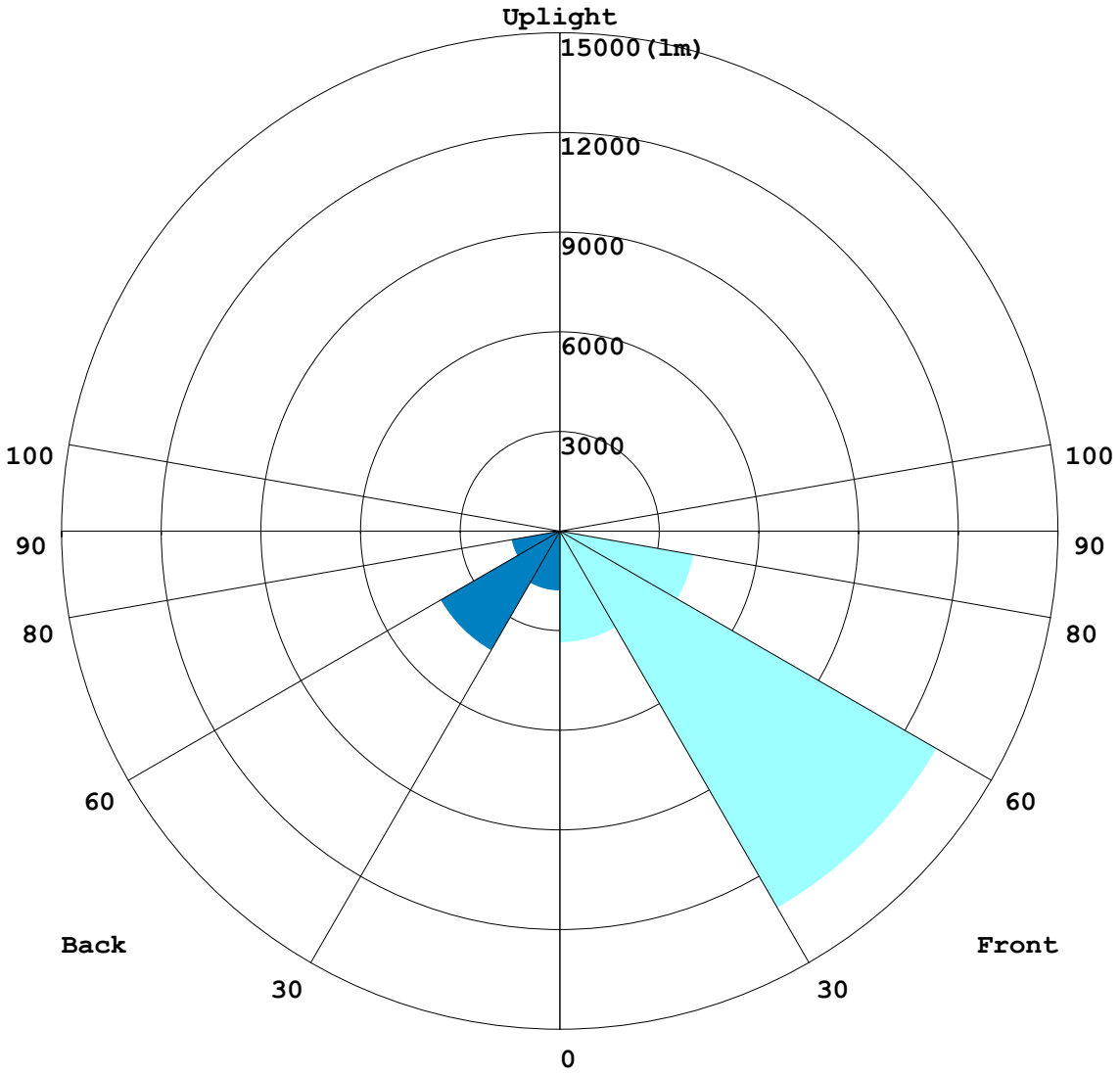
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28082.1x1 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:28082.1x1 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)	3346.1	11.9
FM - Front-Medium(30-60)	13097	46.6
FH - Front-High(60-80)	4082.7	14.5
FVH - Front-Very High(80-90)	85.866	0.3
Total Forward Light	20611	73.4
BL - Back-Low(0-30)	1796.9	6.4
BM - Back-Medium(30-60)	4138.3	14.7
BH - Back-High(60-80)	1472	5.2
BVH - Back-Very High(80-90)	63.564	0.2
Total Back Light	7470.7	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	7470.7	0	7470.7
Street Side	20611	0	20611

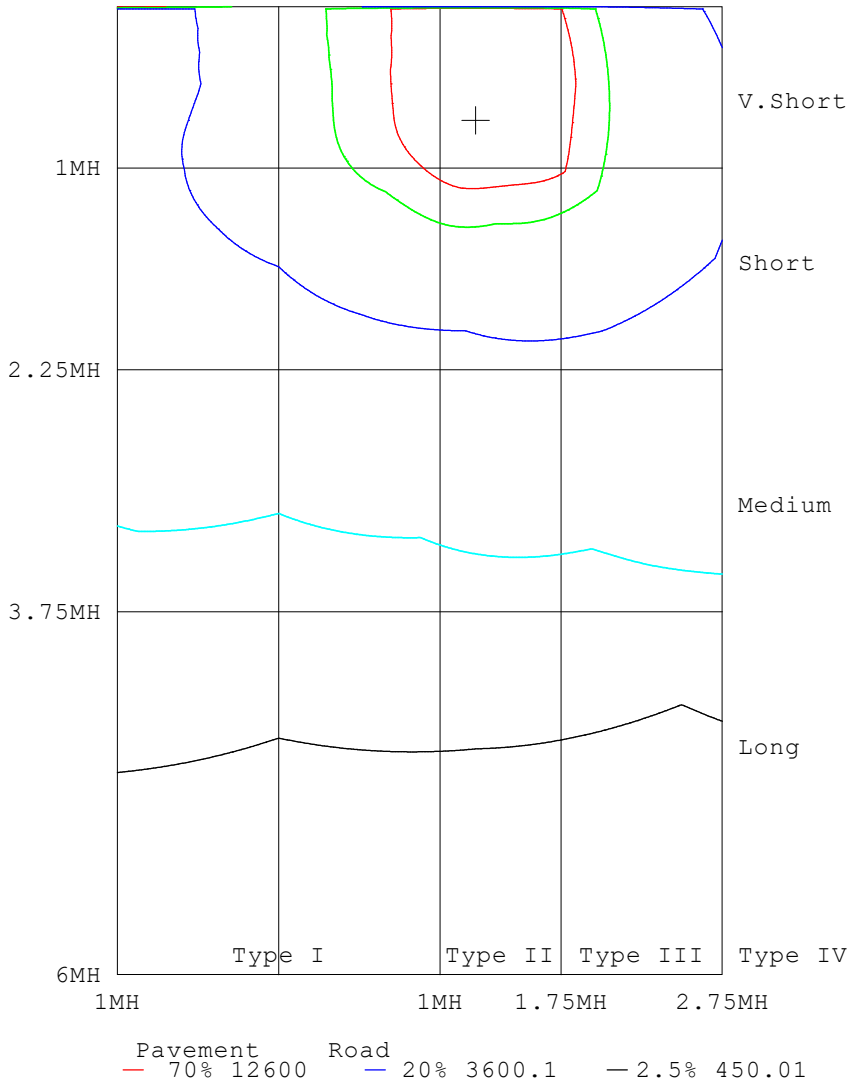
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:28082.1x1 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	494	485	485	484	485	484	485	484	485	484	485	485	494	485	485	484	485	484	485
5	498	510	533	554	575	585	592	585	575	554	533	510	498	470	455	444	436	431	430
10	508	543	596	648	694	720	732	720	694	648	596	543	508	465	440	425	421	419	419
15	523	582	666	746	809	845	866	845	809	746	666	582	523	465	438	426	417	413	412
20	540	622	734	833	922	968	990	968	922	833	734	622	540	470	441	415	397	387	385
25	558	662	796	919	1010	1051	1070	1051	1010	919	796	662	558	479	433	393	374	366	366
30	576	703	855	991	1077	1120	1143	1120	1077	991	855	703	576	484	417	374	358	354	355
35	595	744	917	1057	1161	1235	1268	1235	1161	1057	917	744	595	487	406	357	344	345	348
40	610	777	970	1138	1303	1393	1415	1393	1303	1138	970	777	610	493	397	340	329	330	332
45	595	776	995	1249	1476	1587	1592	1587	1476	1249	995	776	595	484	387	321	305	306	310
50	534	719	961	1342	1691	1738	1656	1738	1691	1342	961	719	534	439	355	297	281	306	322
55	435	606	837	1344	1799	1654	1503	1654	1799	1344	837	606	435	361	300	265	282	329	352
60	316	461	636	1114	1579	1511	1288	1511	1579	1114	636	461	316	273	239	234	275	319	348
65	202	300	424	687	1104	871	641	871	1104	687	424	300	202	198	184	196	224	251	272
70	120	157	246	391	506	450	318	450	506	391	246	157	120	131	129	137	149	159	165
75	65.2	74.0	101	181	233	219	152	219	233	181	101	74.0	65.2	75.4	75.4	78.4	78.1	75.7	73.8
80	28.7	30.8	32.5	63.1	85.9	80.7	54.9	80.7	85.9	63.1	32.5	30.8	28.7	33.7	33.0	34.3	33.8	32.4	31.0
85	6.35	6.42	6.07	9.18	13.7	13.4	9.55	13.4	13.7	9.18	6.07	6.42	6.35	7.75	7.91	8.44	8.74	8.75	8.64
90	0.88	0.22	0.24	0.27	0.30	0.33	0.35	0.33	0.30	0.27	0.24	0.22	0.88	1.96	2.89	4.11	4.87	4.83	4.58

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	484	485	484	485	485														
5	431	436	444	455	470														
10	419	421	425	440	465														
15	413	417	426	438	465														
20	387	397	415	441	470														
25	366	374	393	433	479														
30	354	358	374	417	484														
35	345	344	357	406	487														
40	330	329	340	397	493														
45	306	305	321	387	484														
50	306	281	297	355	439														
55	329	282	265	300	361														
60	319	275	234	239	273														
65	251	224	196	184	198														
70	159	149	137	129	131														
75	75.7	78.1	78.4	75.4	75.4														
80	32.4	33.8	34.3	33.0	33.7														
85	8.75	8.74	8.44	7.91	7.75														
90	4.83	4.87	4.11	2.89	1.96														

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: