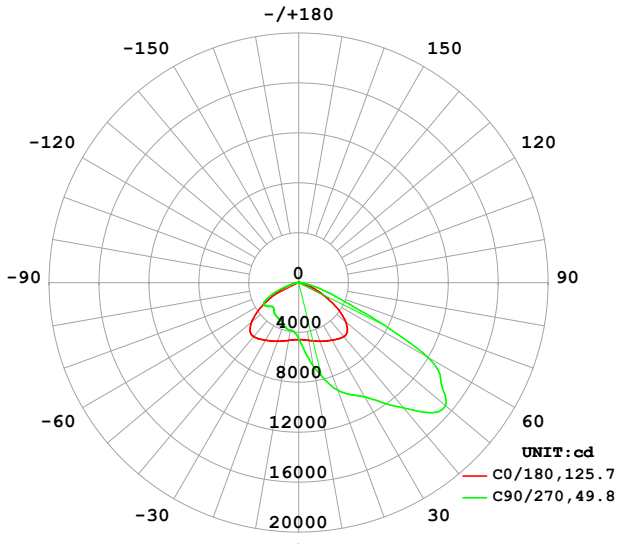
STREETLIGHT PHOTOMETRIC TEST REPORT

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:26018.6x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

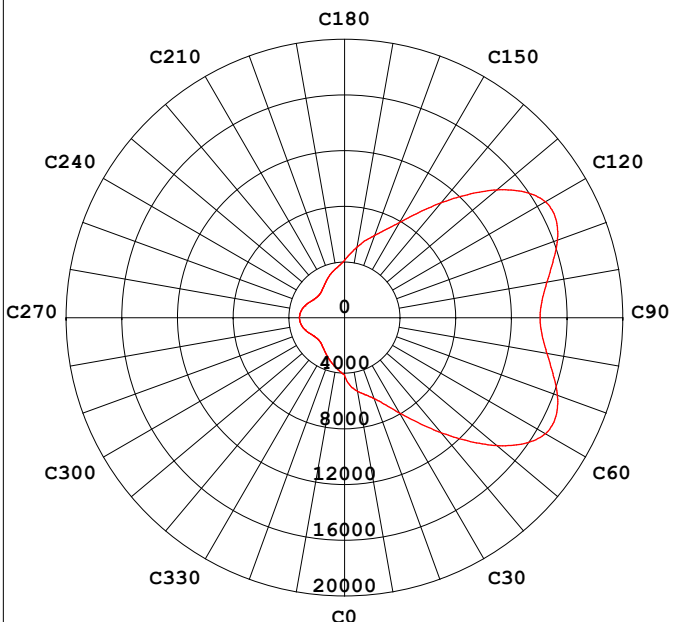
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 168.84 lm/W	
MODEL	/	Imax(cd)	16678	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	26019	η house_up(%)	0.0
NOMINAL FLUX(lm)	26018.6	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

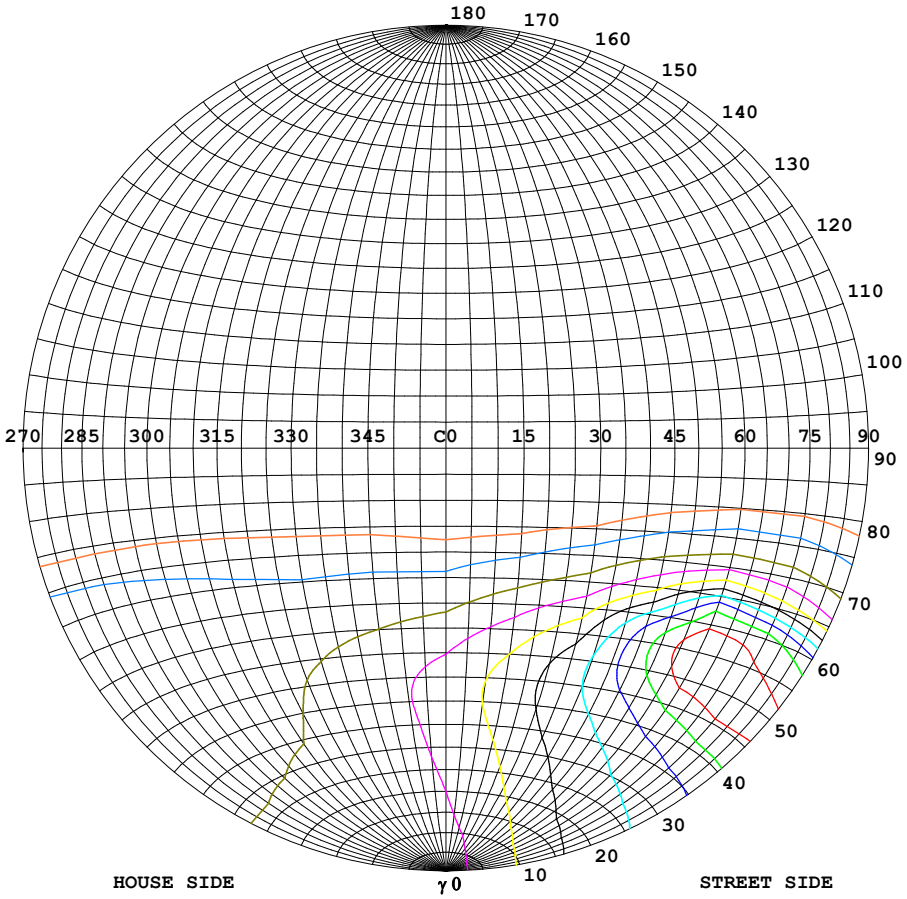


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

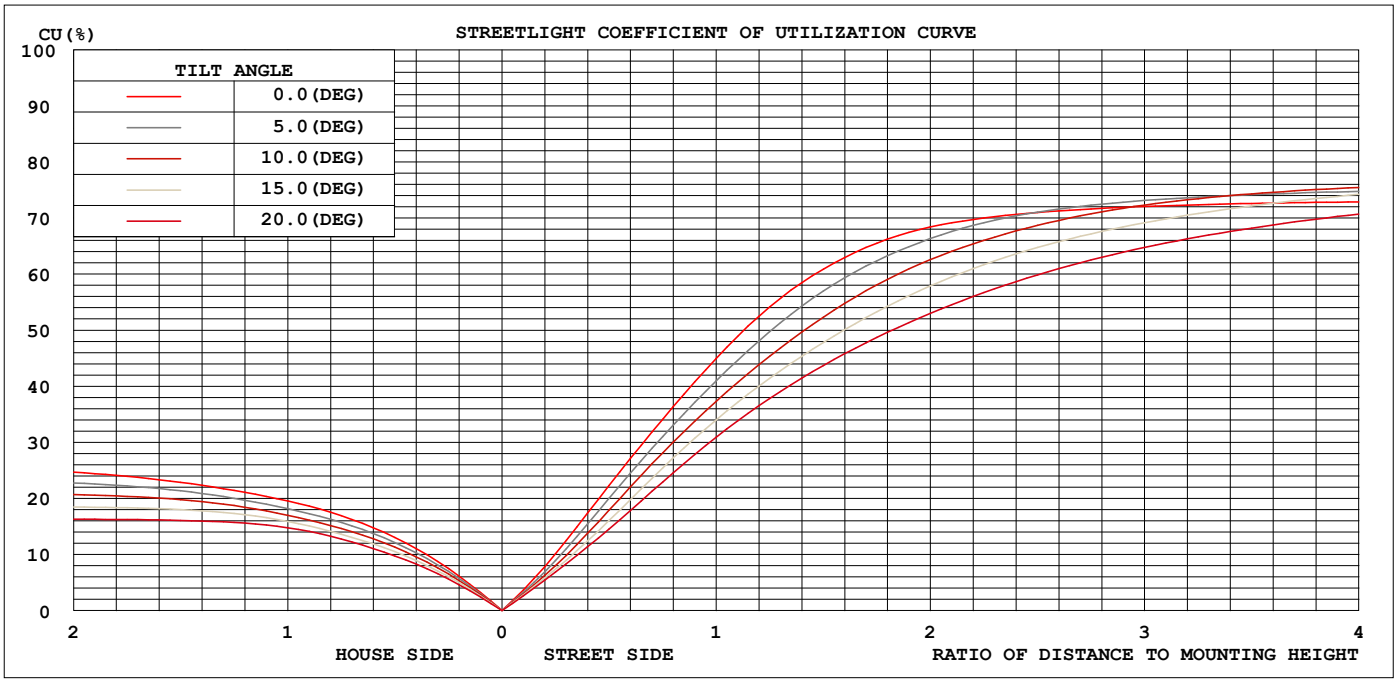
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

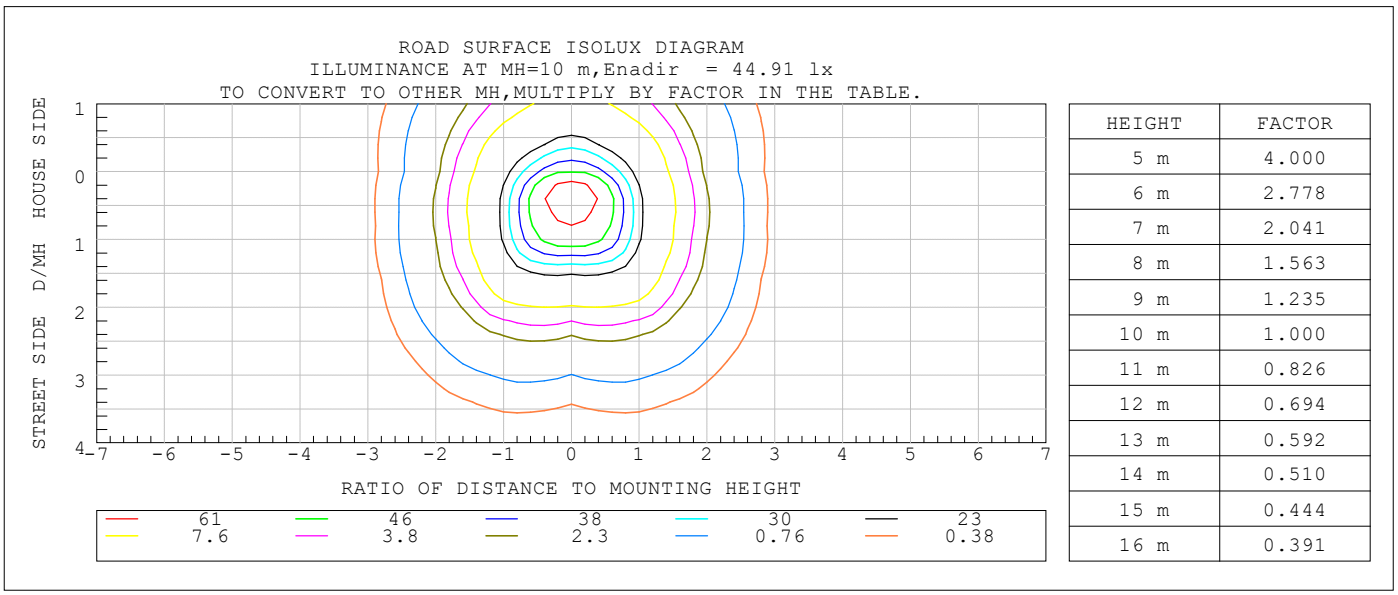
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16678
90%	15010
80%	13342
70%	11674
60%	10007
50%	8339
40%	6671
30%	5003
20%	3336
10%	1668
5%	834

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:

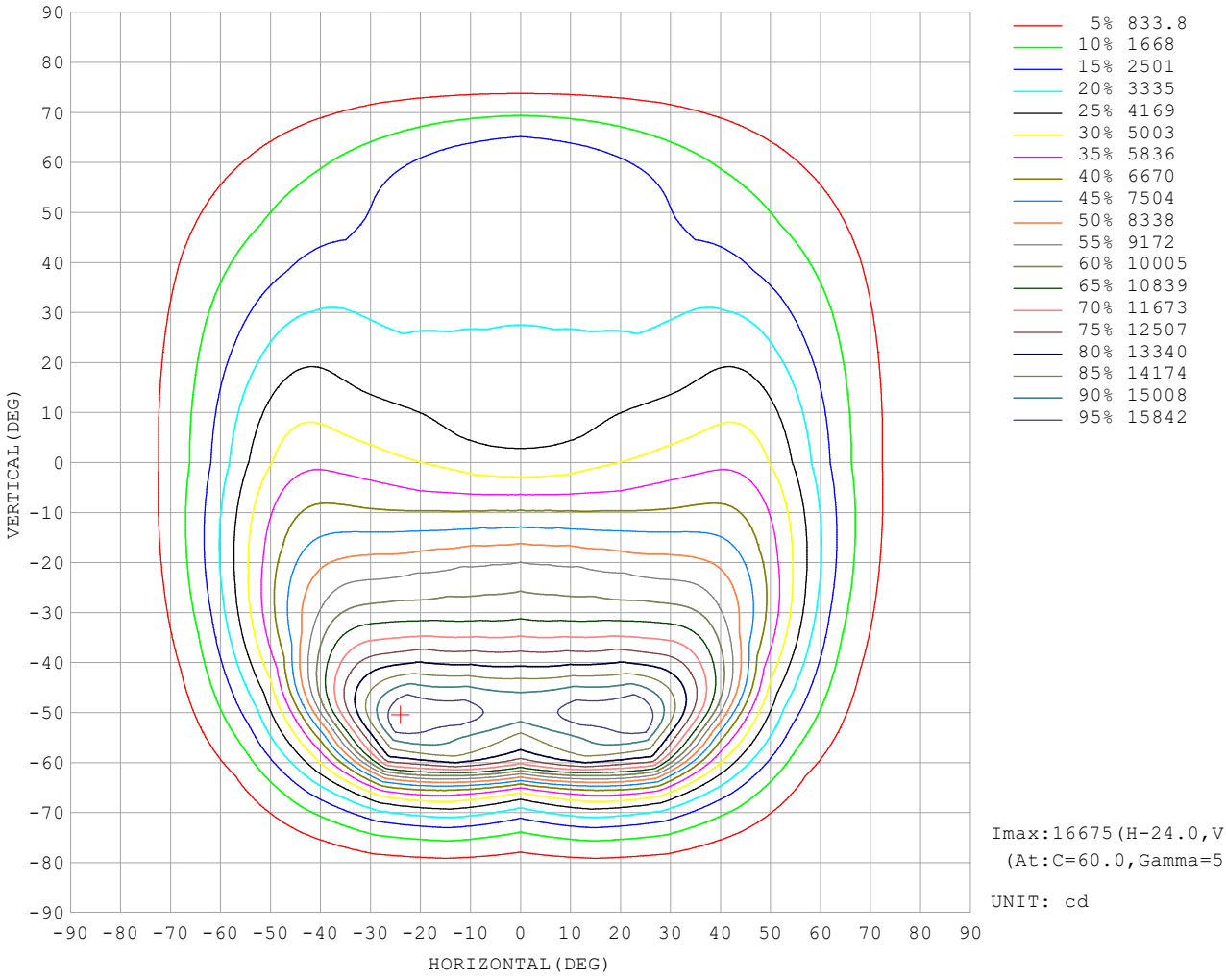
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	471.1	600.6	677.9	600.6	471.1	394.2	388.3	394.2	0- 10	453.8	453.8	1.74,1.74
20	500.3	771.7	917.4	771.7	500.3	384.5	356.4	384.5	10- 20	1535	1988	7.64,7.64
30	534.0	918.1	1059	918.1	534.0	346.5	328.7	346.5	20- 30	2777	4765	18.3,18.3
40	565.4	1054	1311	1054	565.4	315.5	307.2	315.5	30- 40	4119	8884	34.1,34.1
50	494.9	1243	1534	1243	494.9	275.2	298.0	275.2	40- 50	5622	14506	55.8,55.8
60	292.9	1032	1193	1032	292.9	216.7	322.8	216.7	50- 60	6228	20734	79.7,79.7
70	111.2	361.9	295.0	361.9	111.2	126.8	153.3	126.8	60- 70	3951	24685	94.9,94.9
80	26.64	58.49	50.84	58.49	26.64	31.76	28.73	31.76	70- 80	1195	25880	99.5,99.5
90	0.8200	0.2484	0.3239	0.2484	0.8200	3.810	4.248	3.810	80- 90	138.4	26019	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:

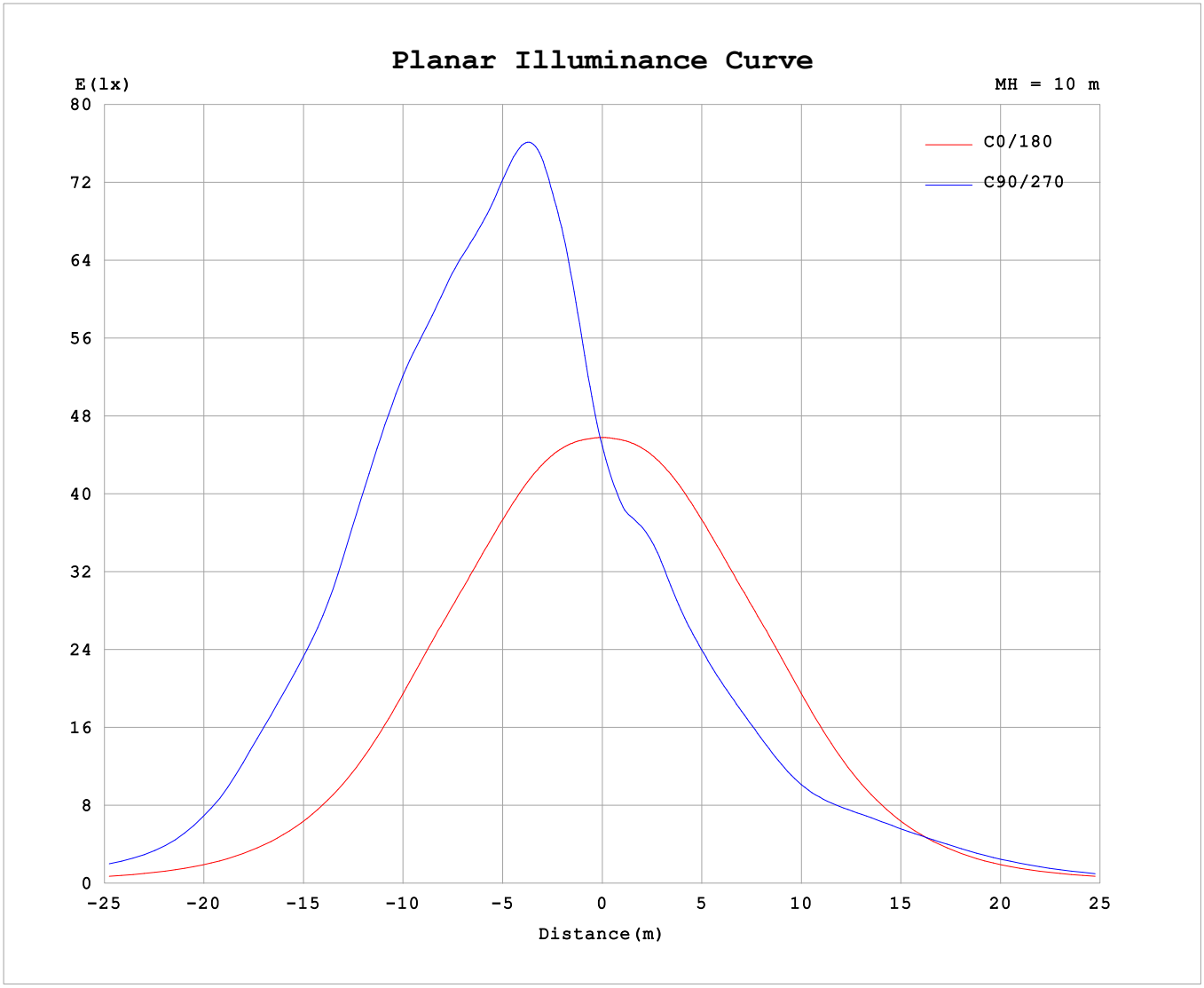
ISOCANDELA DIAGRAM



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



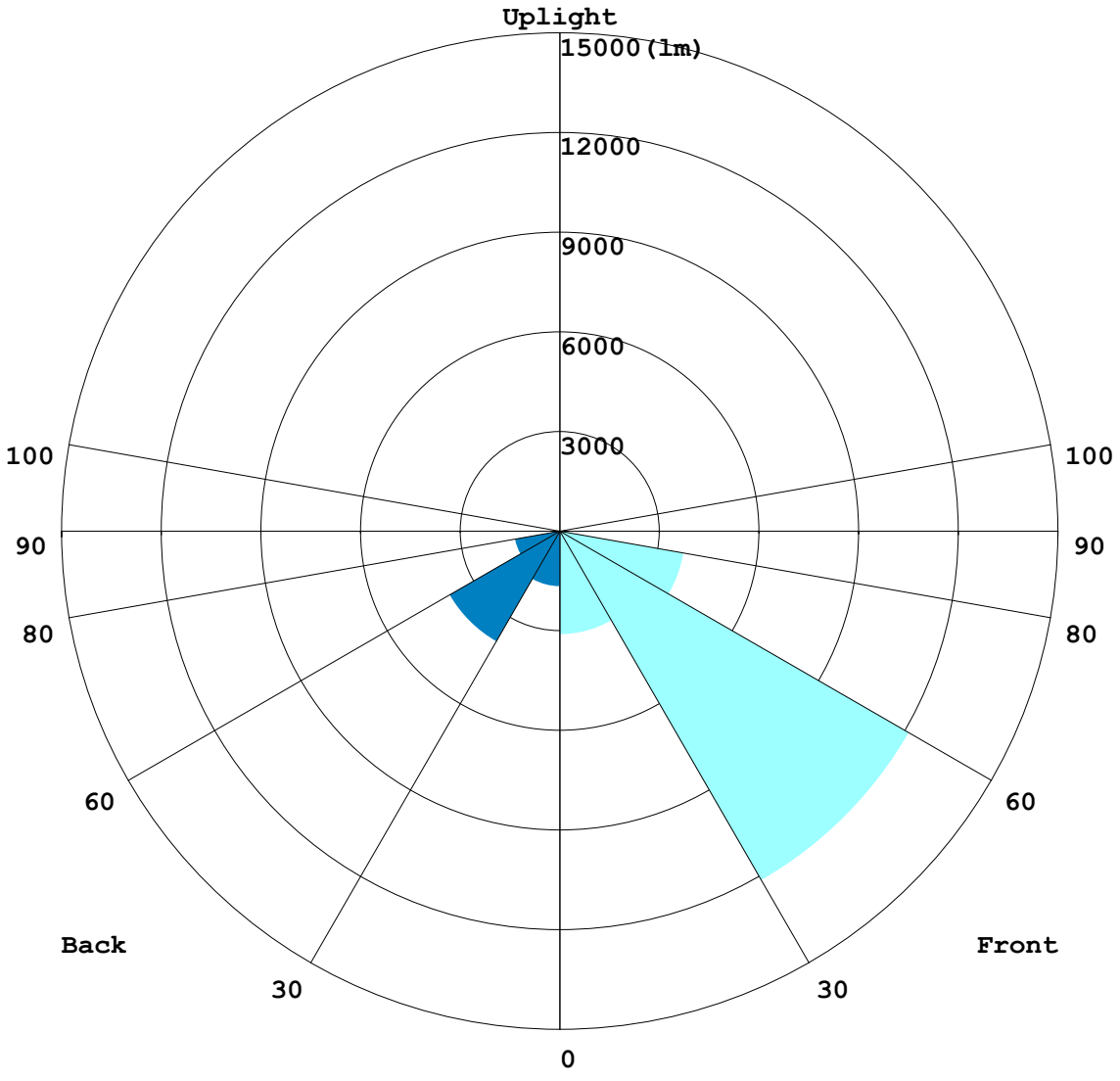
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:26018.6x1 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:26018.6x1 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)	3100.3	11.9
FM - Front-Medium(30-60)	12134	46.6
FH - Front-High(60-80)	3782.8	14.5
FVH - Front-Very High(80-90)	79.556	0.3
Total Forward Light	19097	73.4
BL - Back-Low(0-30)	1664.8	6.4
BM - Back-Medium(30-60)	3834.3	14.7
BH - Back-High(60-80)	1363.8	5.2
BVH - Back-Very High(80-90)	58.893	0.2
Total Back Light	6921.8	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	6921.8	0	6921.8
Street Side	19097	0	19097

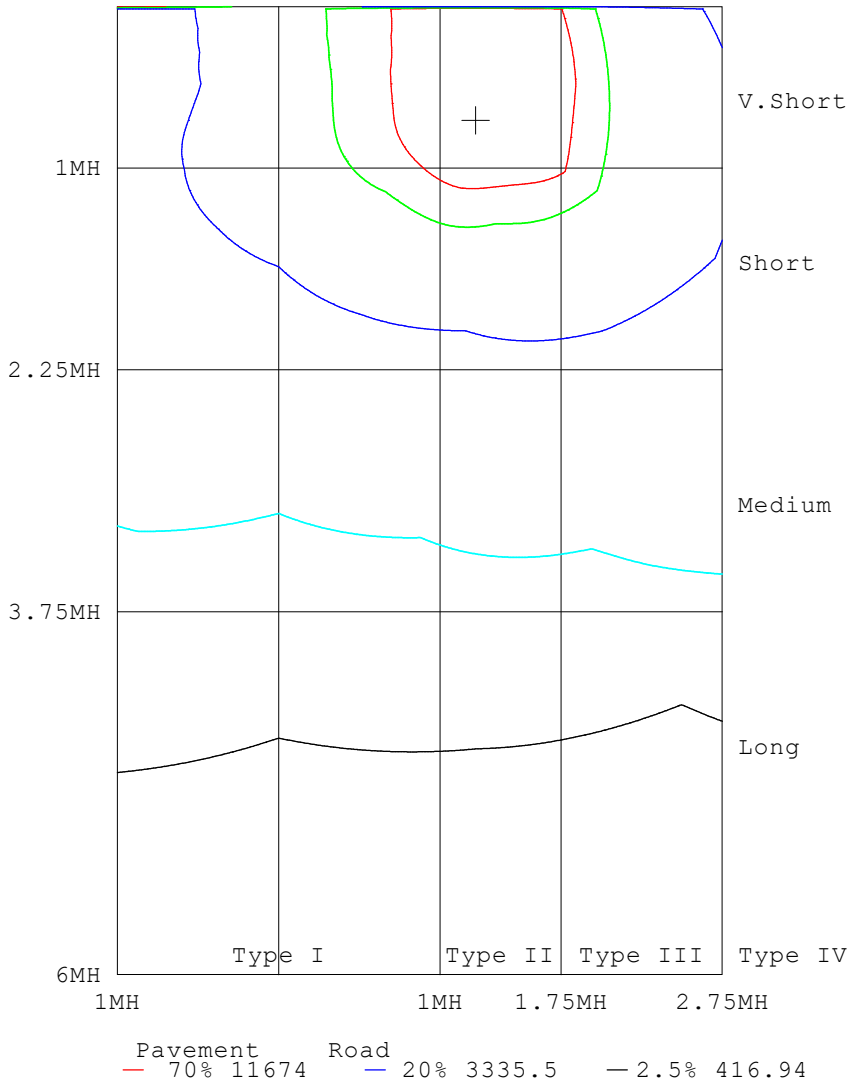
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:26018.6x1 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	458	449	450	449	450	448	449	448	450	449	450	449	458	449	450	449	450	448	449
5	461	472	494	514	532	542	548	542	532	514	494	472	461	436	422	411	404	400	399
10	471	504	552	601	643	667	678	667	643	601	552	504	471	430	407	394	390	388	388
15	485	539	617	691	749	782	802	782	749	691	617	539	485	431	406	394	387	382	382
20	500	576	680	772	854	897	917	897	854	772	680	576	500	436	408	384	368	358	356
25	517	614	737	852	935	974	991	974	935	852	737	614	517	444	401	364	346	339	339
30	534	652	792	918	998	1038	1059	1038	998	918	792	652	534	449	387	347	332	328	329
35	552	689	849	979	1076	1145	1174	1145	1076	979	849	689	552	451	376	331	319	320	322
40	565	720	899	1054	1208	1290	1311	1290	1208	1054	899	720	565	457	368	315	305	305	307
45	551	719	922	1157	1368	1470	1475	1470	1368	1157	922	719	551	449	359	298	283	283	287
50	495	666	891	1243	1566	1610	1534	1610	1566	1243	891	666	495	407	329	275	261	284	298
55	403	562	775	1246	1667	1532	1393	1532	1667	1246	775	562	403	334	278	245	261	305	326
60	293	427	590	1032	1463	1400	1193	1400	1463	1032	590	427	293	253	221	217	255	295	323
65	187	278	393	636	1023	807	594	807	1023	636	393	278	187	183	171	181	208	233	252
70	111	145	228	362	469	417	295	417	469	362	228	145	111	121	119	127	138	148	153
75	60.4	68.6	93.7	168	216	202	141	202	216	168	93.7	68.6	60.4	69.9	69.9	72.7	72.4	70.2	68.4
80	26.6	28.5	30.1	58.5	79.6	74.7	50.8	74.7	79.6	58.5	30.1	28.5	26.6	31.2	30.6	31.8	31.3	30.0	28.7
85	5.89	5.94	5.63	8.51	12.7	12.4	8.85	12.4	12.7	8.51	5.63	5.94	5.89	7.18	7.33	7.82	8.10	8.11	8.00
90	0.82	0.20	0.22	0.25	0.28	0.31	0.32	0.31	0.28	0.25	0.22	0.20	0.82	1.82	2.67	3.81	4.51	4.47	4.25

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	448	450	449	450	449														
5	400	404	411	422	436														
10	388	390	394	407	430														
15	382	387	394	406	431														
20	358	368	384	408	436														
25	339	346	364	401	444														
30	328	332	347	387	449														
35	320	319	331	376	451														
40	305	305	315	368	457														
45	283	283	298	359	449														
50	284	261	275	329	407														
55	305	261	245	278	334														
60	295	255	217	221	253														
65	233	208	181	171	183														
70	148	138	127	119	121														
75	70.2	72.4	72.7	69.9	69.9														
80	30.0	31.3	31.8	30.6	31.2														
85	8.11	8.10	7.82	7.33	7.18														
90	4.47	4.51	3.81	2.67	1.82														

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: