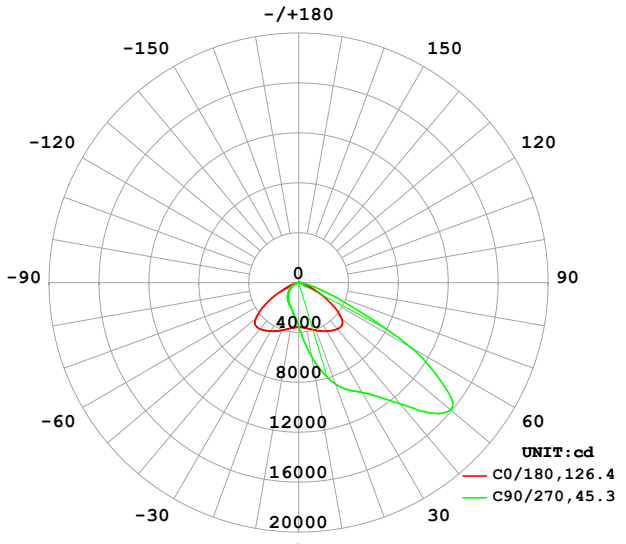
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22358.1x1 lm		
NAME: FL72-300(150W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

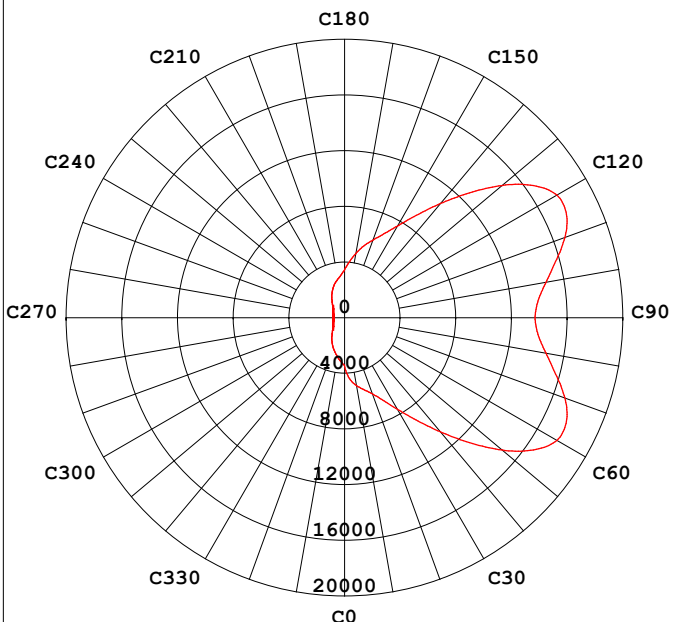
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 145.09 lm/W	
MODEL	/	Imax(cd)	17634	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	22358	η house_up(%)	0.0
NOMINAL FLUX(lm)	22358.1	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 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

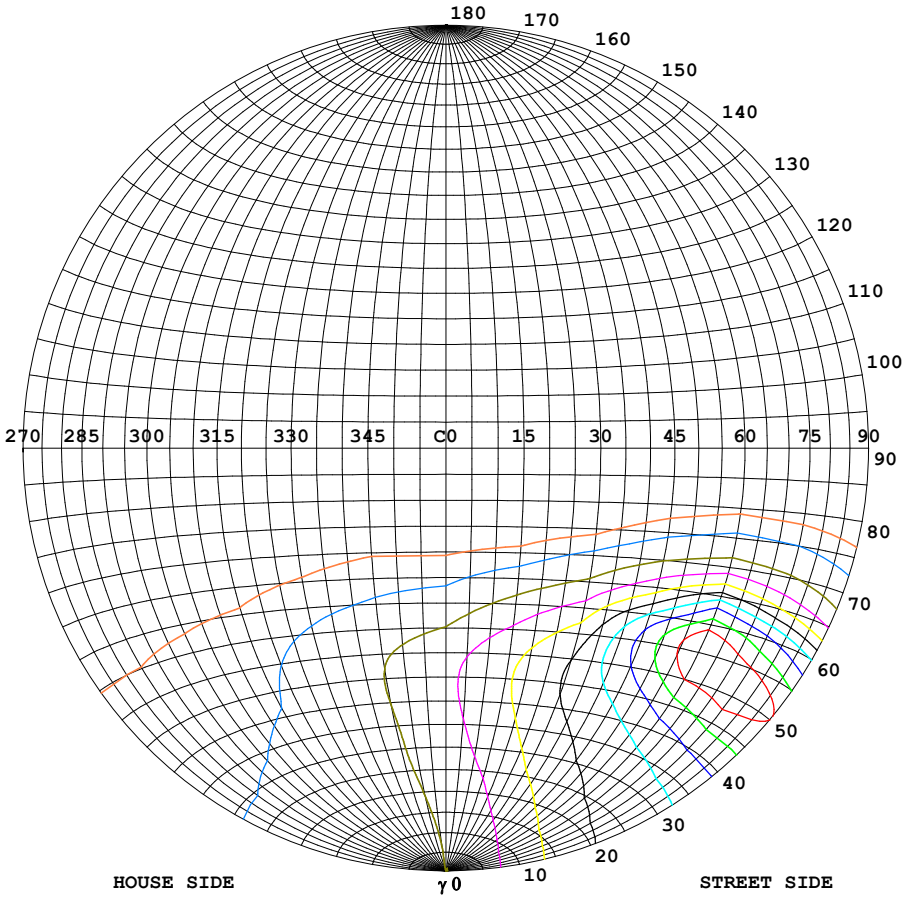


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

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:

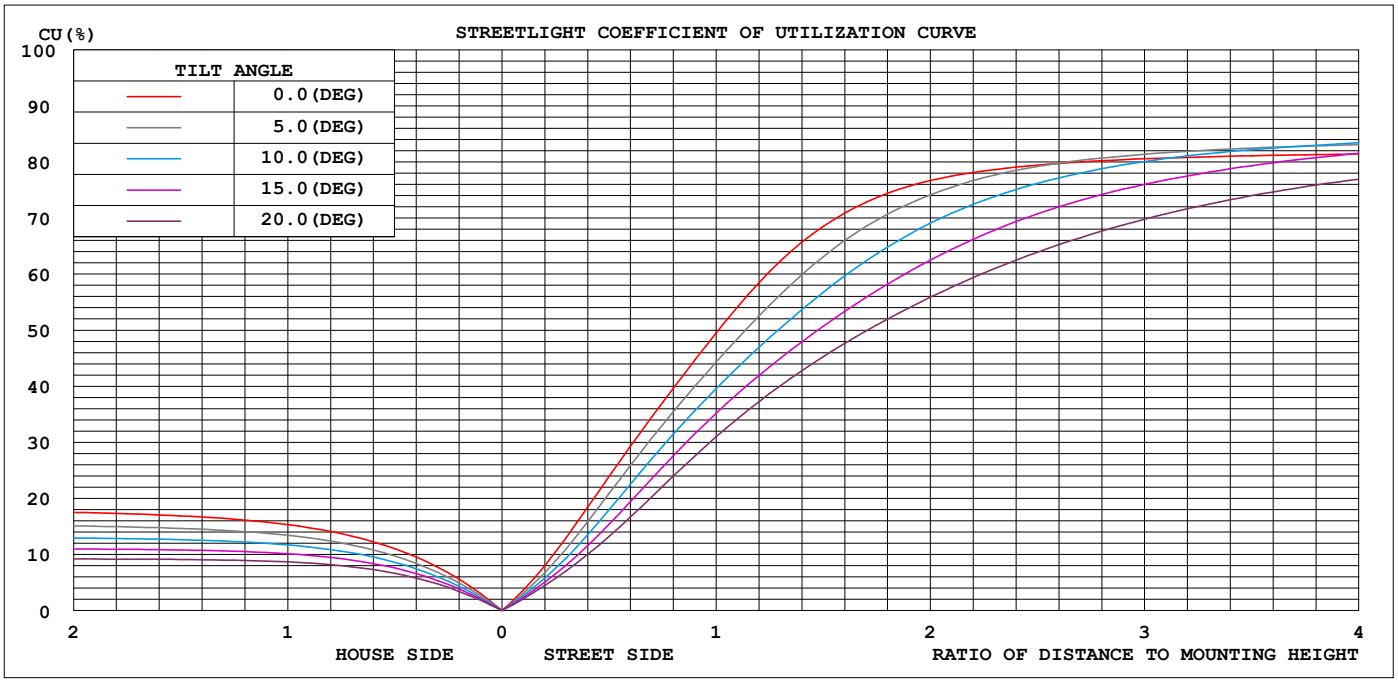
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

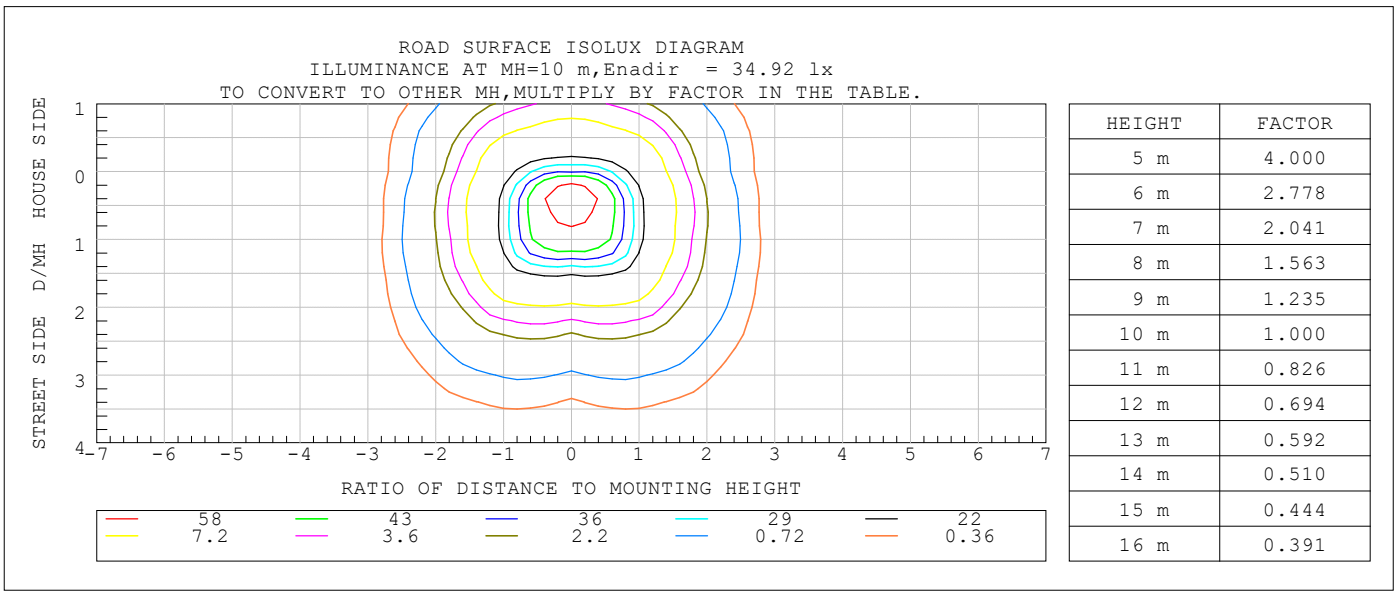
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	17634
90%	15870
80%	14107
70%	12344
60%	10580
50%	8817
40%	7054
30%	5290
20%	3527
10%	1763
5%	882

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:

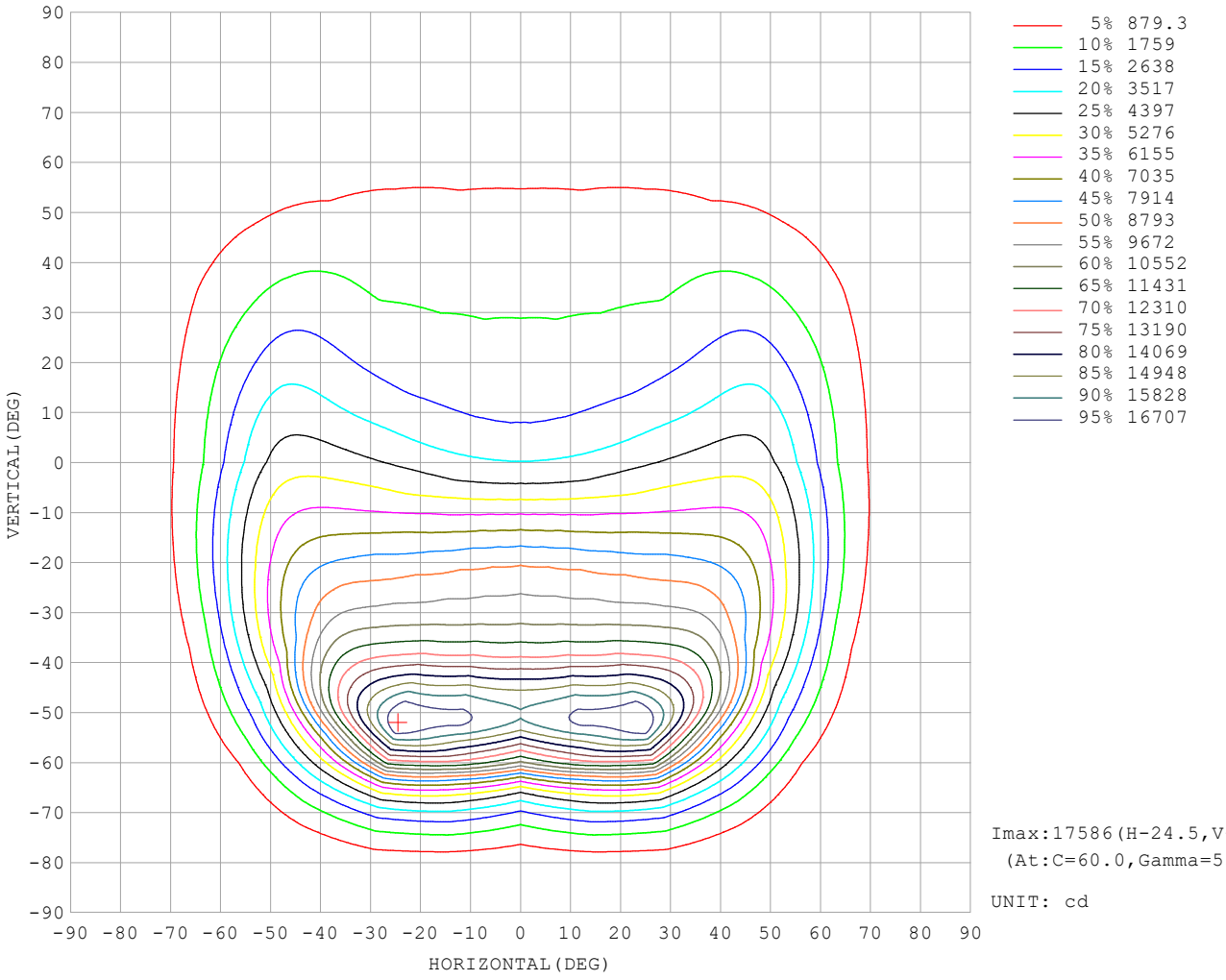
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	372.2	519.2	606.0	519.2	372.2	273.5	251.5	273.5	0- 10	357.9	357.9	1.6,1.6
20	407.7	716.2	867.2	716.2	407.7	235.0	201.3	235.0	10- 20	1246	1604	7.17,7.17
30	449.8	874.5	1017	874.5	449.8	209.5	172.3	209.5	20- 30	2342	3946	17.6,17.6
40	485.4	1009	1270	1009	485.4	181.6	140.7	181.6	30- 40	3544	7490	33.5,33.5
50	451.4	1227	1587	1227	451.4	150.1	104.0	150.1	40- 50	5031	12521	56,56
60	249.1	1067	1042	1067	249.1	95.22	69.66	95.22	50- 60	5694	18215	81.5,81.5
70	80.37	345.2	252.6	345.2	80.37	43.42	33.22	43.42	60- 70	3208	21423	95.8,95.8
80	18.47	44.78	32.59	44.78	18.47	12.12	9.505	12.12	70- 80	855.8	22279	99.6,99.6
90	0.6153	0.1326	0.1563	0.1326	0.6153	3.611	3.782	3.611	80- 90	79.33	22358	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:

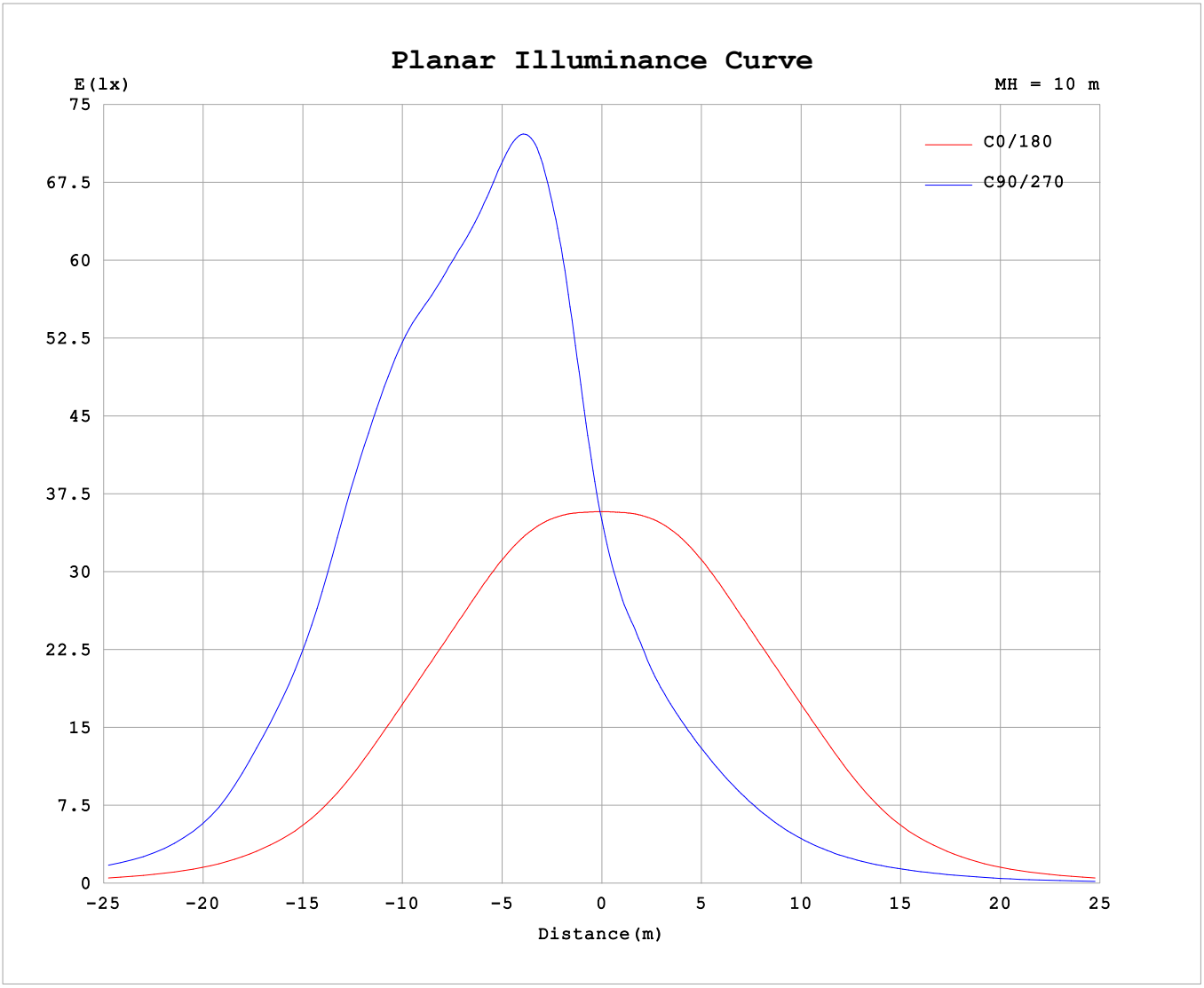
ISOCANDELA DIAGRAM



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



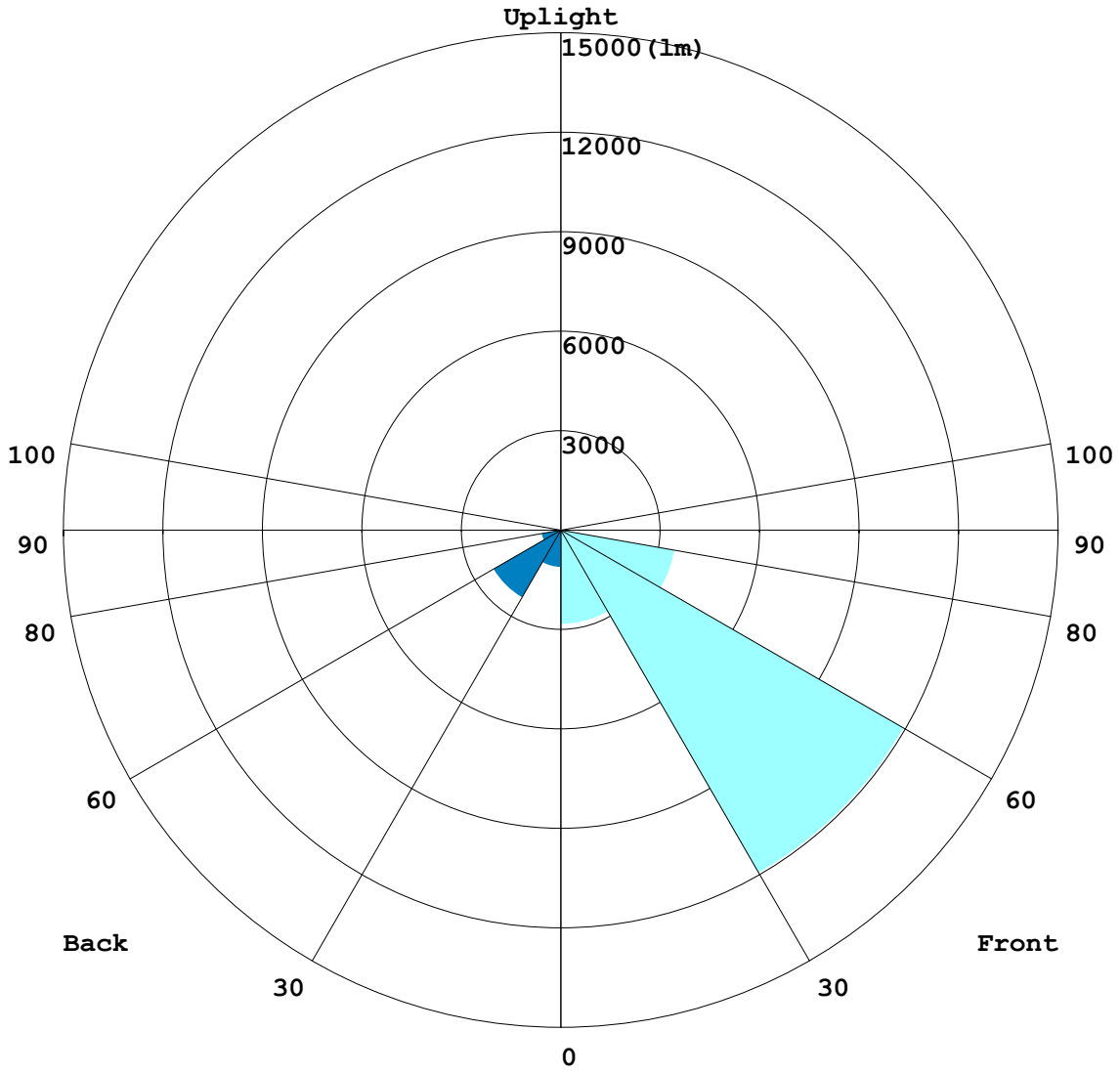
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22358.1x1 lm		
NAME: FL72-300(150W)-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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22358.1x1 lm		
NAME: FL72-300(150W)-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)	2833.4	12.7
FM - Front-Medium(30-60)	11930	53.4
FH - Front-High(60-80)	3483.2	15.6
FVH - Front-Very High(80-90)	48.601	0.2
Total Forward Light	18295	81.8
BL - Back-Low(0-30)	1112.2	5.0
BM - Back-Medium(30-60)	2339.1	10.5
BH - Back-High(60-80)	580.94	2.6
BVH - Back-Very High(80-90)	30.729	0.1
Total Back Light	4063	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-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4063	0	4063
Street Side	18295	0	18295

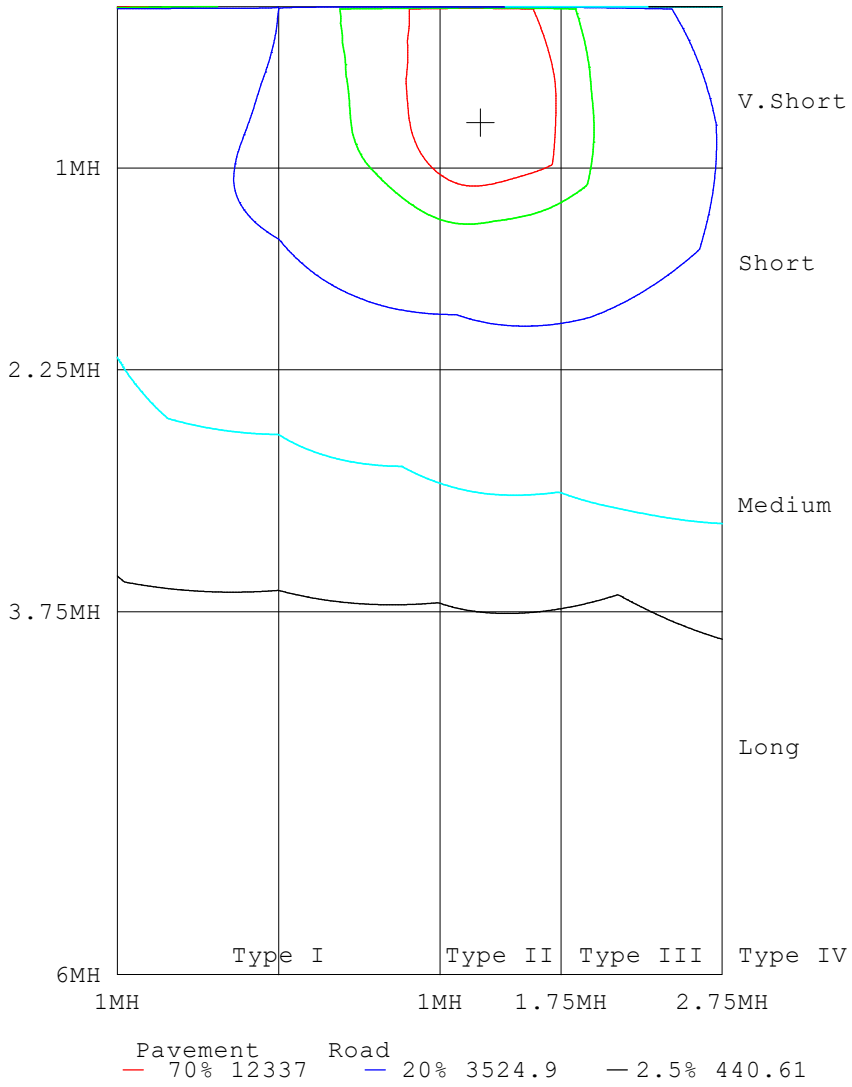
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:22358.1x1 lm		
NAME: FL72-300(150W)-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	358	349	350	349	350	348	350	348	350	349	350	349	358	349	350	349	350	348	350
5	361	375	400	422	443	454	461	454	443	422	400	375	361	333	316	302	293	287	286
10	372	411	466	519	566	594	606	594	566	519	466	411	372	325	295	274	261	253	252
15	388	452	540	624	689	728	745	728	689	624	540	452	388	324	284	255	234	223	221
20	408	497	616	716	800	849	867	849	800	716	616	497	408	328	276	235	214	203	201
25	429	543	685	802	889	934	950	934	889	802	685	543	429	335	266	222	200	188	186
30	450	588	749	875	957	1000	1017	1000	957	875	749	588	450	341	258	209	186	174	172
35	469	629	808	938	1031	1096	1119	1096	1031	938	808	629	469	345	252	196	171	159	157
40	485	664	859	1009	1155	1249	1270	1249	1155	1009	859	664	485	353	247	182	155	143	141
45	488	681	892	1110	1339	1471	1474	1471	1339	1110	892	681	488	356	241	167	138	125	123
50	451	651	878	1227	1589	1664	1587	1664	1589	1227	878	651	451	335	224	150	119	106	104
55	357	549	777	1274	1761	1602	1403	1602	1761	1274	777	549	357	270	189	125	101	88.8	86.8
60	249	405	588	1067	1502	1283	1042	1283	1502	1067	588	405	249	192	142	95.2	80.8	71.9	69.7
65	146	248	376	637	970	721	514	721	970	637	376	248	146	134	95.2	66.1	57.8	51.4	49.2
70	80.4	112	205	345	454	372	253	372	454	345	205	112	80.4	81.2	58.9	43.4	37.8	34.3	33.2
75	41.6	46.5	67.7	150	204	176	115	176	204	150	67.7	46.5	41.6	43.2	33.5	25.5	22.8	20.7	20.4
80	18.5	18.8	17.7	44.8	66.3	53.7	32.6	53.7	66.3	44.8	17.7	18.8	18.5	19.0	15.0	12.1	10.4	9.56	9.50
85	4.04	3.44	2.48	3.58	3.77	2.98	2.58	2.98	3.77	3.58	2.48	3.44	4.04	4.48	4.09	4.18	4.54	4.46	4.34
90	0.62	0.13	0.13	0.13	0.14	0.15	0.16	0.15	0.14	0.13	0.13	0.13	0.62	1.53	2.45	3.61	4.26	4.09	3.78

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	348	350	349	350	349														
5	287	293	302	316	333														
10	253	261	274	295	325														
15	223	234	255	284	324														
20	203	214	235	276	328														
25	188	200	222	266	335														
30	174	186	209	258	341														
35	159	171	196	252	345														
40	143	155	182	247	353														
45	125	138	167	241	356														
50	106	119	150	224	335														
55	88.8	101	125	189	270														
60	71.9	80.8	95.2	142	192														
65	51.4	57.8	66.1	95.2	134														
70	34.3	37.8	43.4	58.9	81.2														
75	20.7	22.8	25.5	33.5	43.2														
80	9.56	10.4	12.1	15.0	19.0														
85	4.46	4.54	4.18	4.09	4.48														
90	4.09	4.26	3.61	2.45	1.53														

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: