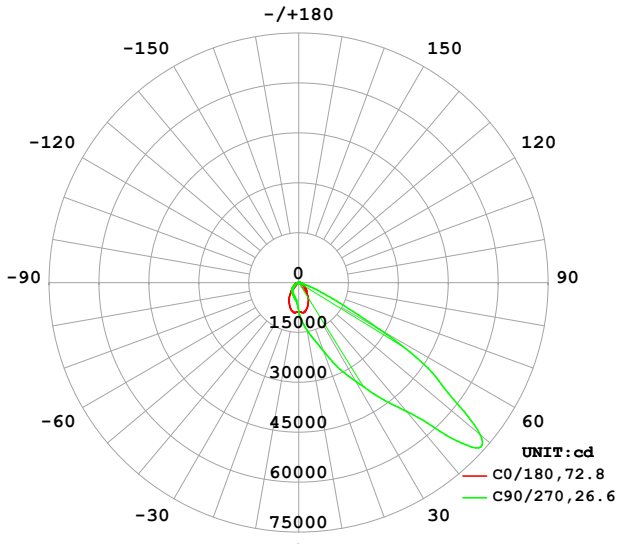
STREETLIGHT PHOTOMETRIC TEST REPORT

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:33555.9x1 lm		
NAME: FL72-300(300W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

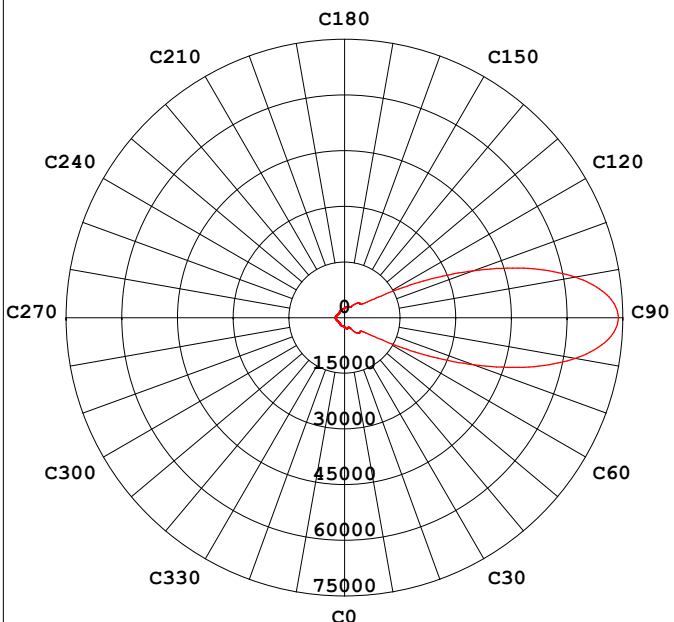
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 111.44 lm/W	
MODEL	/	Imax(cd)	73749	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	33556	η house_up(%)	0.0
NOMINAL FLUX(lm)	33555.9	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 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

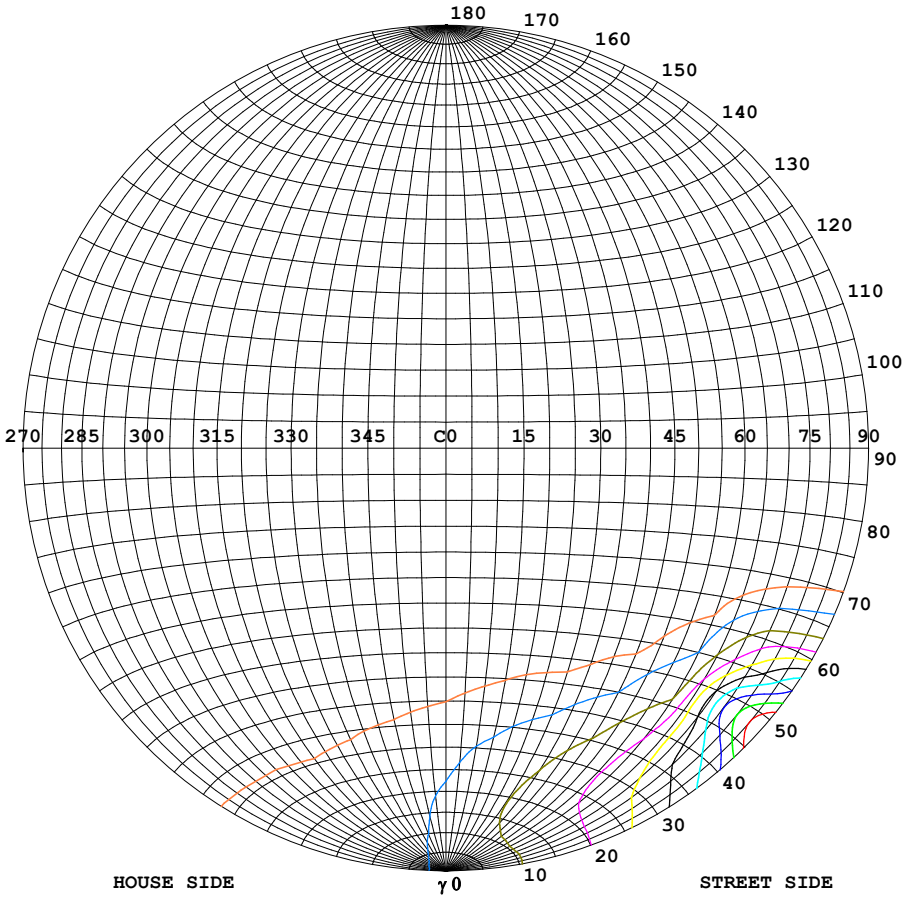


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

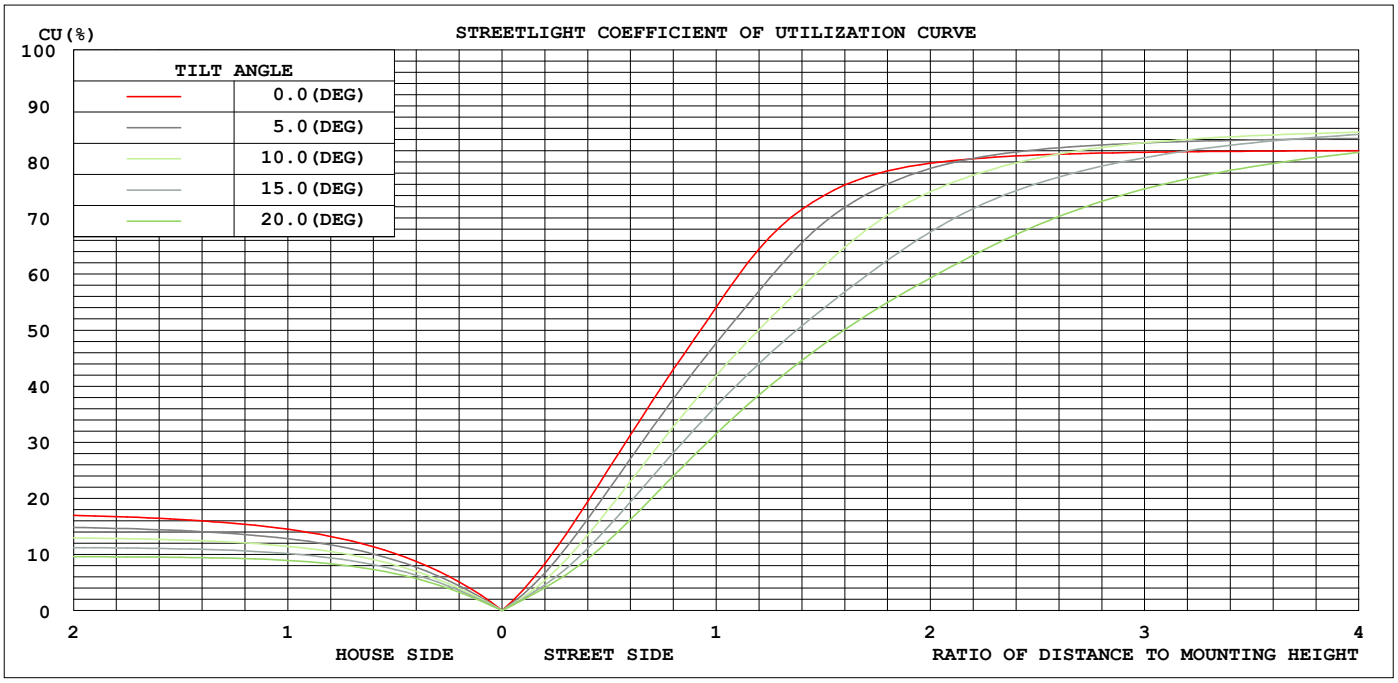
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

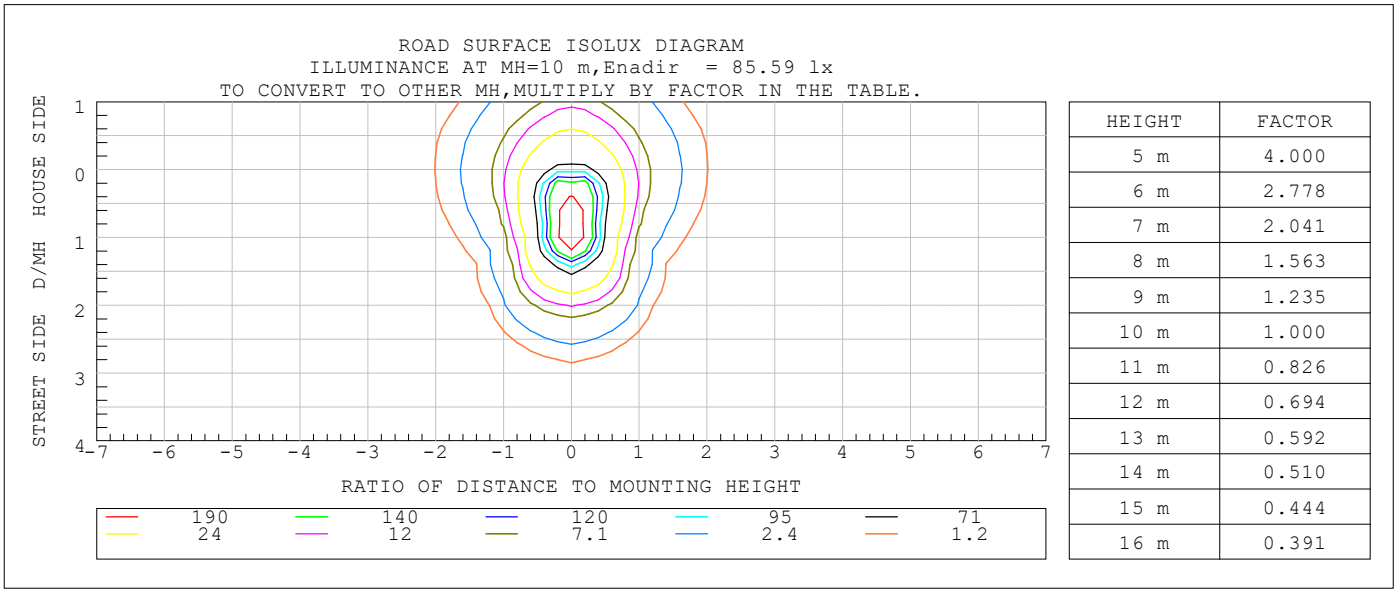
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	73749
90%	66374
80%	59000
70%	51625
60%	44250
50%	36875
40%	29500
30%	22125
20%	14750
10%	7375
5%	3687

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:

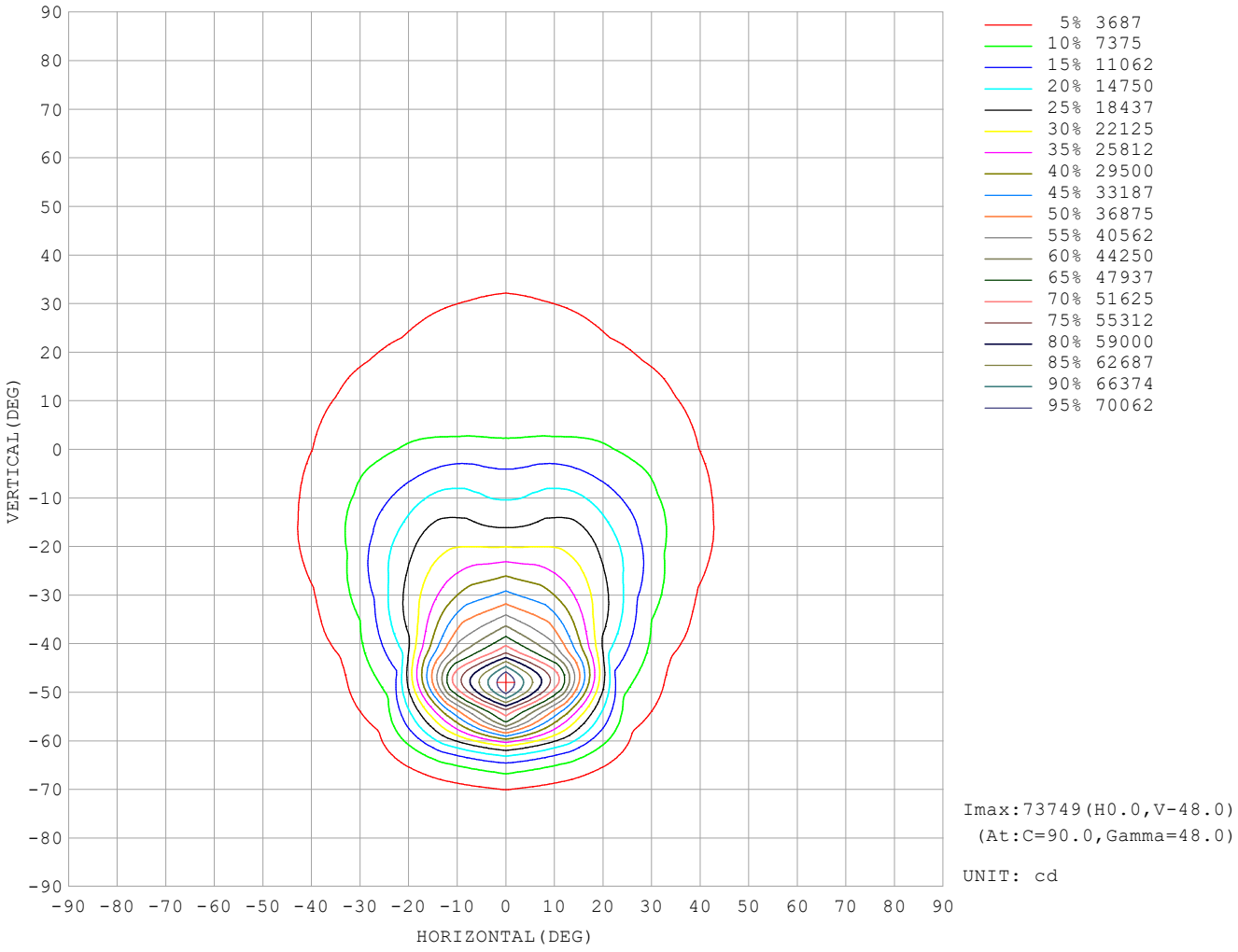
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	910.6	1389	1449	1389	910.6	580.0	538.8	580.0	0- 10	872.6	872.6	2.6,2.6
20	780.3	1838	2199	1838	780.3	482.9	443.1	482.9	10- 20	2953	3826	11.4,11.4
30	596.8	1740	3419	1740	596.8	378.2	386.2	378.2	20- 30	5223	9049	27,27
40	364.8	1112	5063	1112	364.8	289.1	315.0	289.1	30- 40	6984	16033	47.8,47.8
50	247.7	494.6	7120	494.6	247.7	194.6	238.4	194.6	40- 50	8245	24277	72.3,72.3
60	159.1	169.1	2792	169.1	159.1	132.7	165.7	132.7	50- 60	6224	30501	90.9,90.9
70	94.71	67.57	379.7	67.57	94.71	69.45	74.20	69.45	60- 70	2300	32801	97.8,97.8
80	33.28	16.95	35.13	16.95	33.28	20.97	20.78	20.97	70- 80	651.8	33453	99.7,99.7
90	0.6073	0.1698	0.2665	0.1698	0.6073	1.111	5.106	1.111	80- 90	102.7	33556	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:

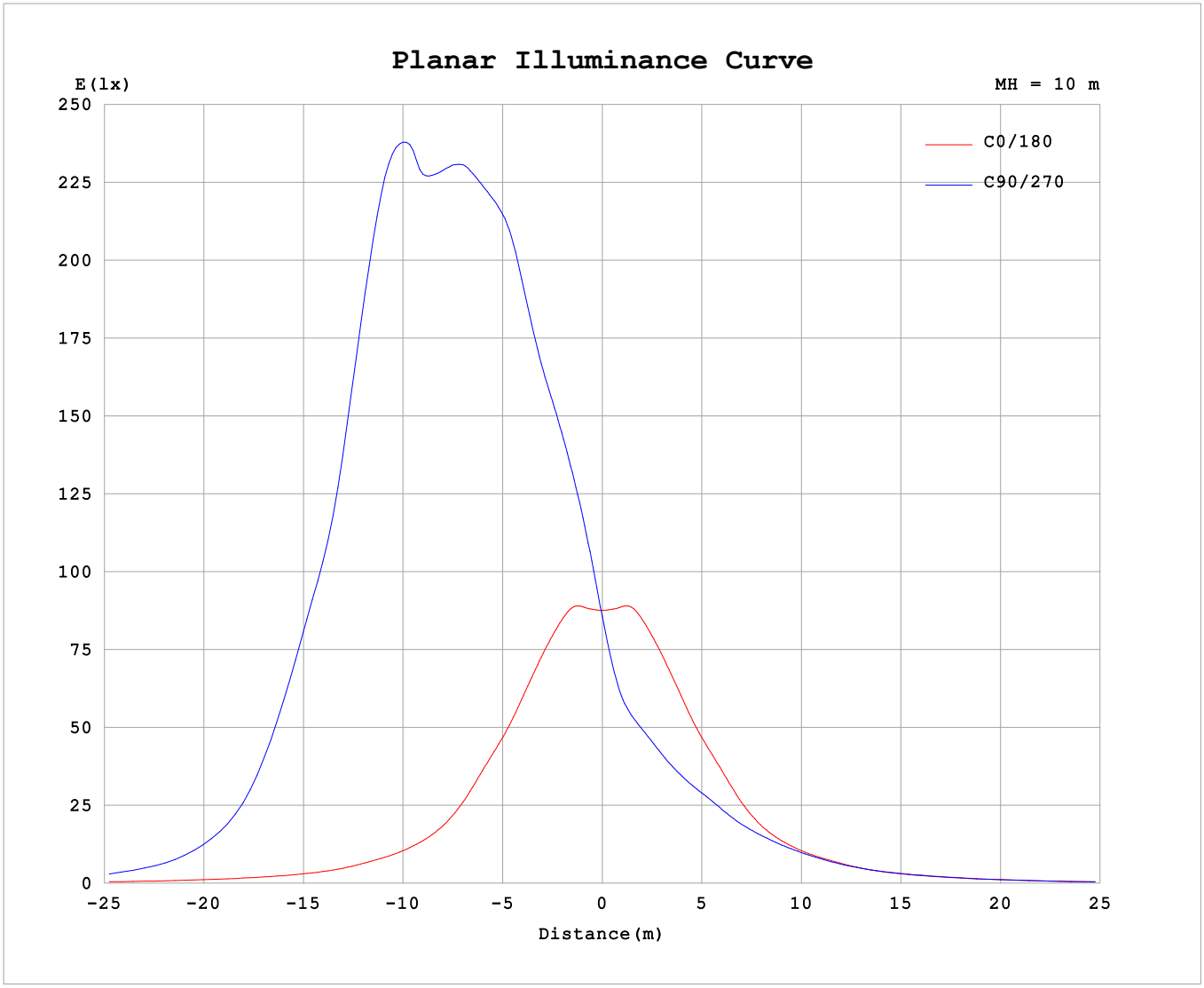
ISOCANDELA DIAGRAM



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



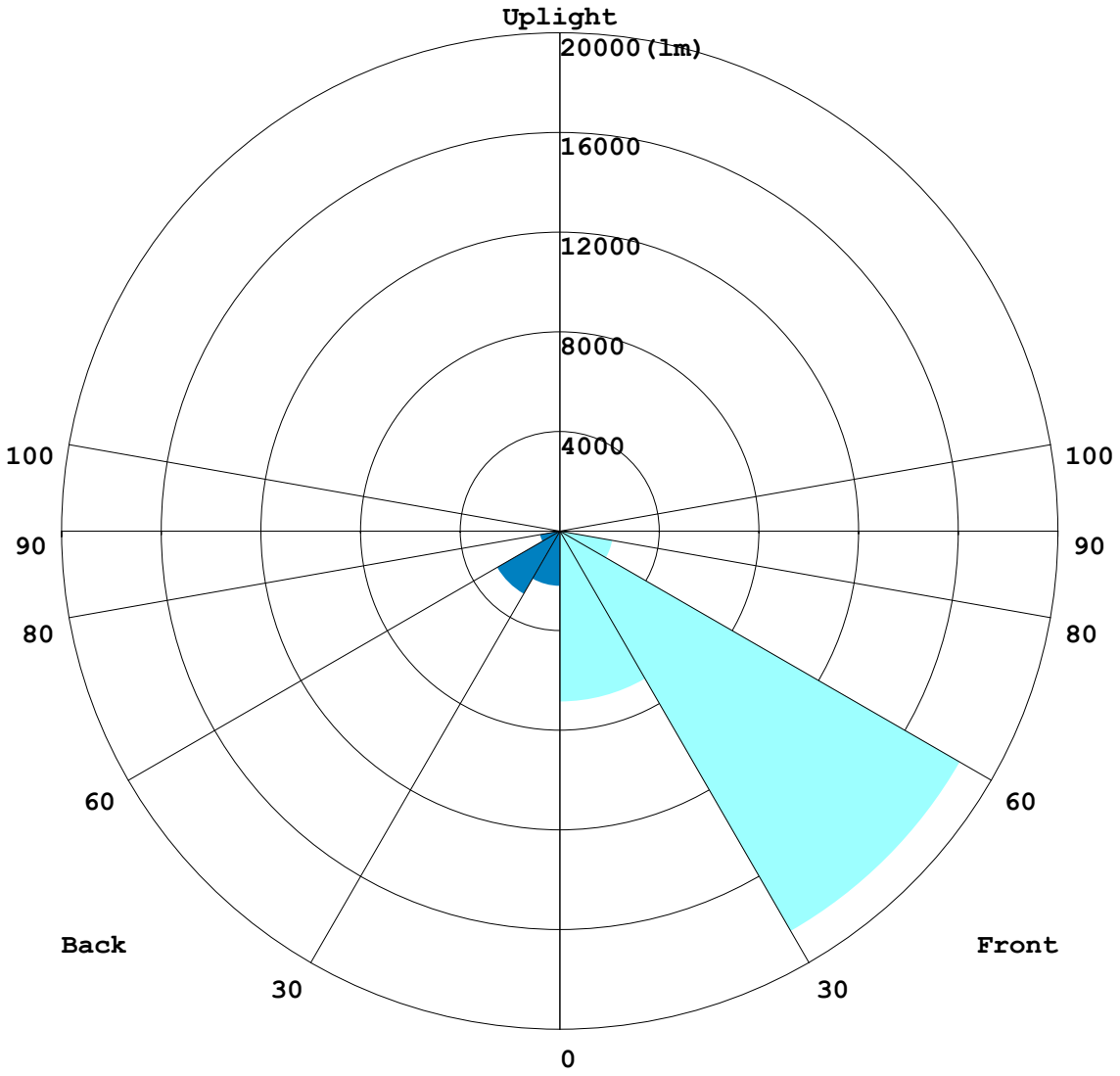
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:33555.9x1 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:33555.9x1 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)	6846.1	20.4
FM - Front-Medium(30-60)	18543	55.3
FH - Front-High(60-80)	2141	6.4
FVH - Front-Very High(80-90)	50.92	0.2
Total Forward Light	27581	82.2
BL - Back-Low(0-30)	2202.5	6.6
BM - Back-Medium(30-60)	2909.9	8.7
BH - Back-High(60-80)	811.22	2.4
BVH - Back-Very High(80-90)	51.746	0.2
Total Back Light	5975.4	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	5975.4	0	5975.4
Street Side	27581	0	27581

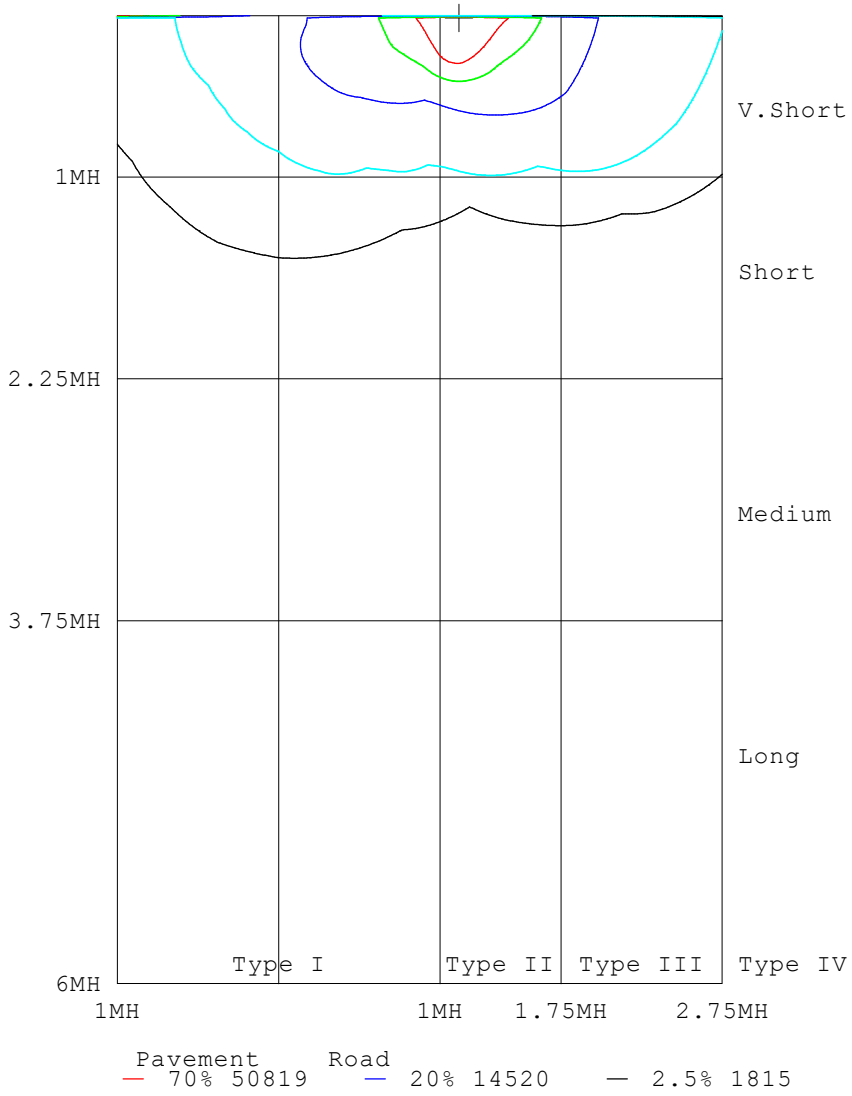
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:33555.9x1 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	877	853	855	853	857	854	858	854	857	853	855	853	877	853	855	853	857	854	858
5	896	955	1035	1090	1132	1149	1160	1149	1132	1090	1035	955	896	796	735	683	651	629	625
10	911	1078	1269	1389	1441	1441	1449	1441	1441	1389	1269	1078	911	734	636	580	553	541	539
15	859	1105	1427	1660	1763	1754	1759	1754	1763	1660	1427	1105	859	658	571	528	506	492	489
20	780	1044	1455	1838	2051	2145	2199	2145	2051	1838	1455	1044	780	597	524	483	458	446	443
25	683	934	1356	1865	2264	2624	2816	2624	2264	1865	1356	934	683	526	465	431	416	411	413
30	597	820	1192	1740	2364	3053	3419	3053	2364	1740	1192	820	597	460	403	378	379	379	386
35	474	640	951	1492	2323	3532	4197	3532	2323	1492	951	640	474	389	349	331	336	339	346
40	365	466	652	1112	2082	3986	5063	3986	2082	1112	652	466	365	319	297	289	282	302	315
45	298	362	454	735	1597	4744	6728	4744	1597	735	454	362	298	266	255	236	236	264	281
50	248	260	273	495	1085	4900	7120	4900	1085	495	273	260	248	224	216	195	196	220	238
55	192	197	202	258	736	3128	5148	3128	736	258	202	197	192	186	171	163	160	180	197
60	159	154	151	169	448	1822	2792	1822	448	169	151	154	159	152	137	133	129	147	166
65	127	122	110	108	253	752	1019	752	253	108	110	122	127	129	109	99.9	94.4	109	123
70	94.7	83.7	78.1	67.6	135	268	380	268	135	67.6	78.1	83.7	94.7	96.9	83.7	69.5	62.9	66.5	74.2
75	69.1	60.5	87.3	36.4	59.0	89.2	119	89.2	59.0	36.4	87.3	60.5	69.1	66.0	57.7	43.4	37.9	39.8	43.7
80	33.3	27.7	28.0	16.9	19.6	24.9	35.1	24.9	19.6	16.9	28.0	27.7	33.3	37.8	28.7	21.0	19.5	19.3	20.8
85	13.5	6.93	17.9	3.90	3.20	4.26	6.55	4.26	3.20	3.90	17.9	6.93	13.5	7.71	6.34	5.44	5.61	6.59	7.57
90	0.61	0.16	0.16	0.17	0.19	0.23	0.27	0.23	0.19	0.17	0.16	0.16	0.61	0.99	0.93	1.11	2.15	4.00	5.11

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	854	857	853	855	853														
5	629	651	683	735	796														
10	541	553	580	636	734														
15	492	506	528	571	658														
20	446	458	483	524	597														
25	411	416	431	465	526														
30	379	379	378	403	460														
35	339	336	331	349	389														
40	302	282	289	297	319														
45	264	236	236	255	266														
50	220	196	195	216	224														
55	180	160	163	171	186														
60	147	129	133	137	152														
65	109	94.4	99.9	109	129														
70	66.5	62.9	69.5	83.7	96.9														
75	39.8	37.9	43.4	57.7	66.0														
80	19.3	19.5	21.0	28.7	37.8														
85	6.59	5.61	5.44	6.34	7.71														
90	4.00	2.15	1.11	0.93	0.99														

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: