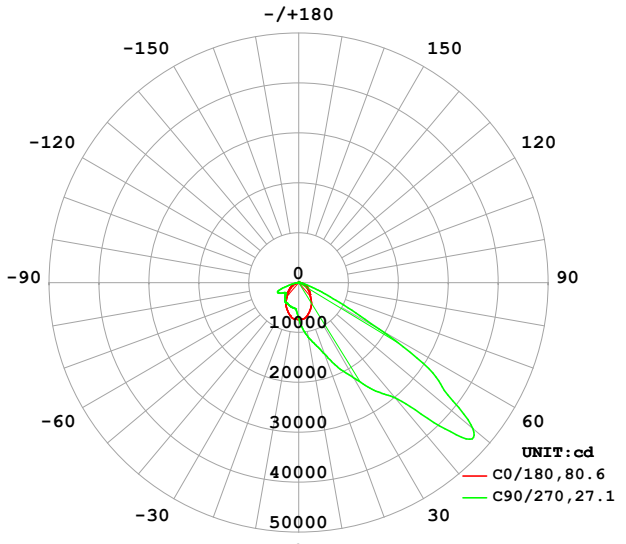
STREETLIGHT PHOTOMETRIC TEST REPORT

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:27519.4x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

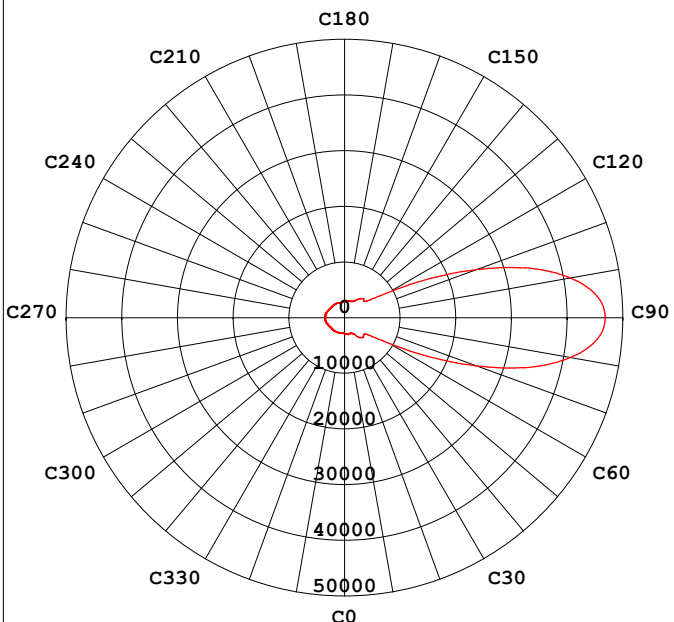
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 178.58 lm/W
MODEL	/	Imax(cd)	46806	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	27519	η house_up(%)	0.0
NOMINAL FLUX(lm)	27519.4	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):53.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

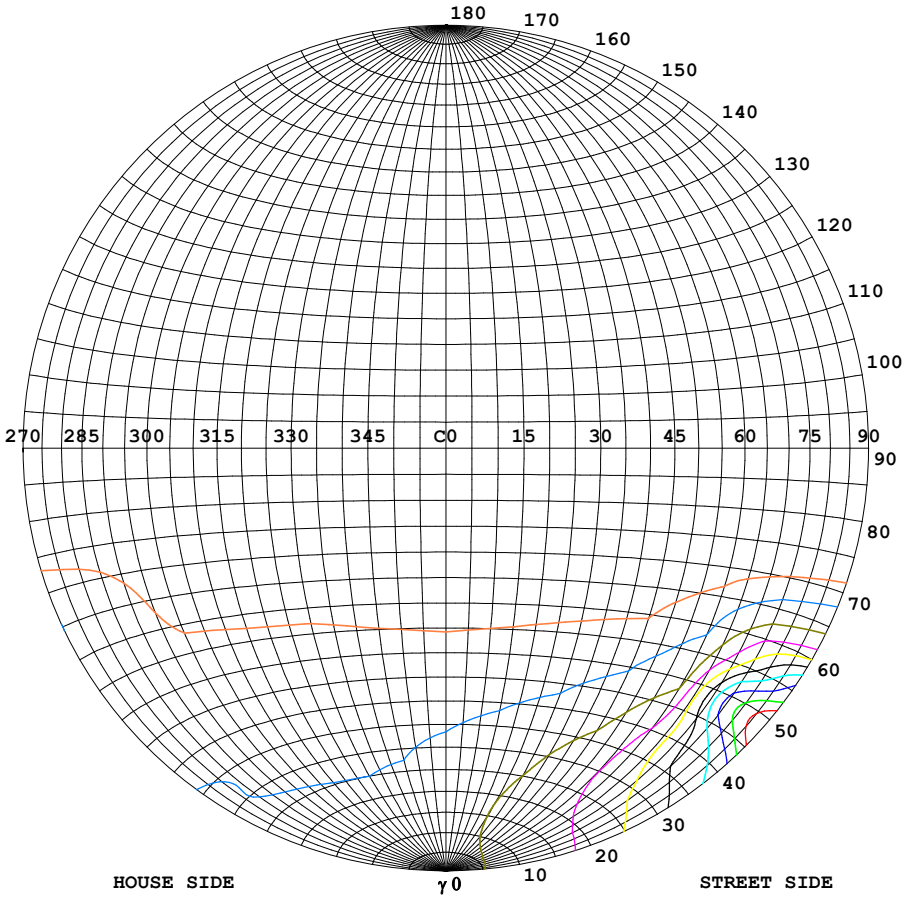


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

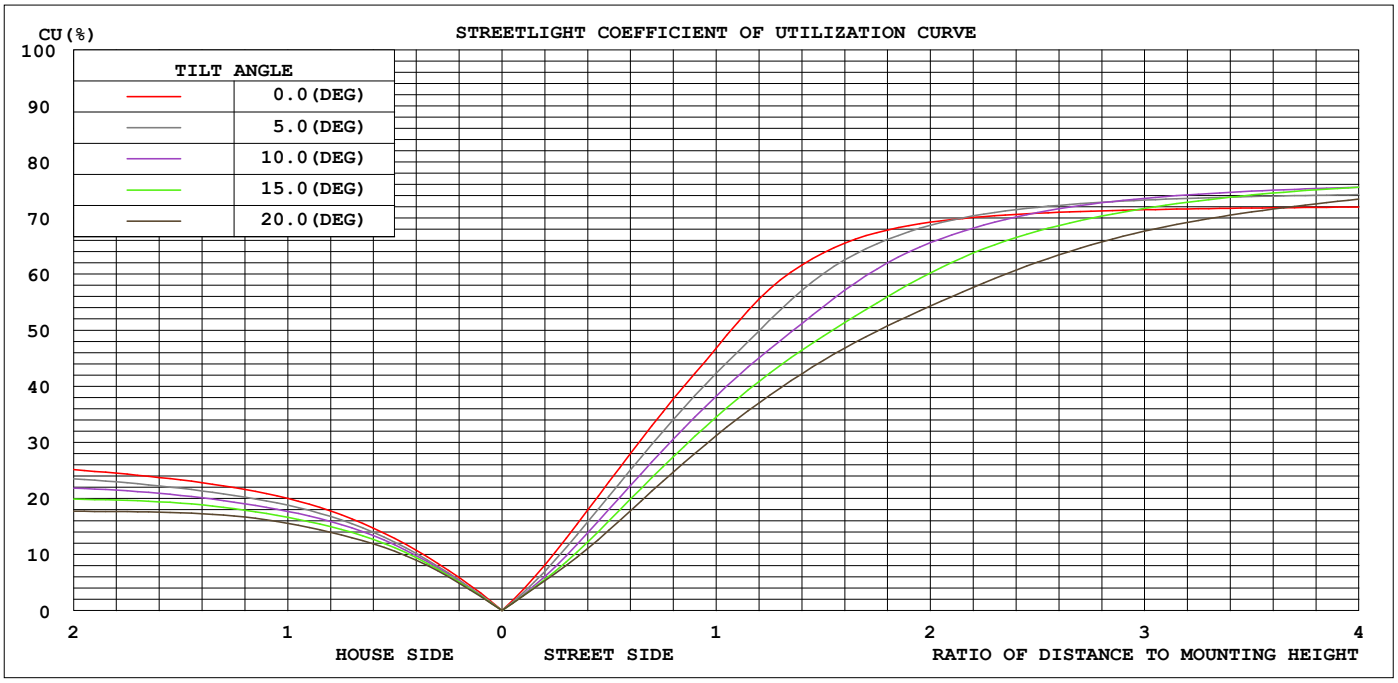
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

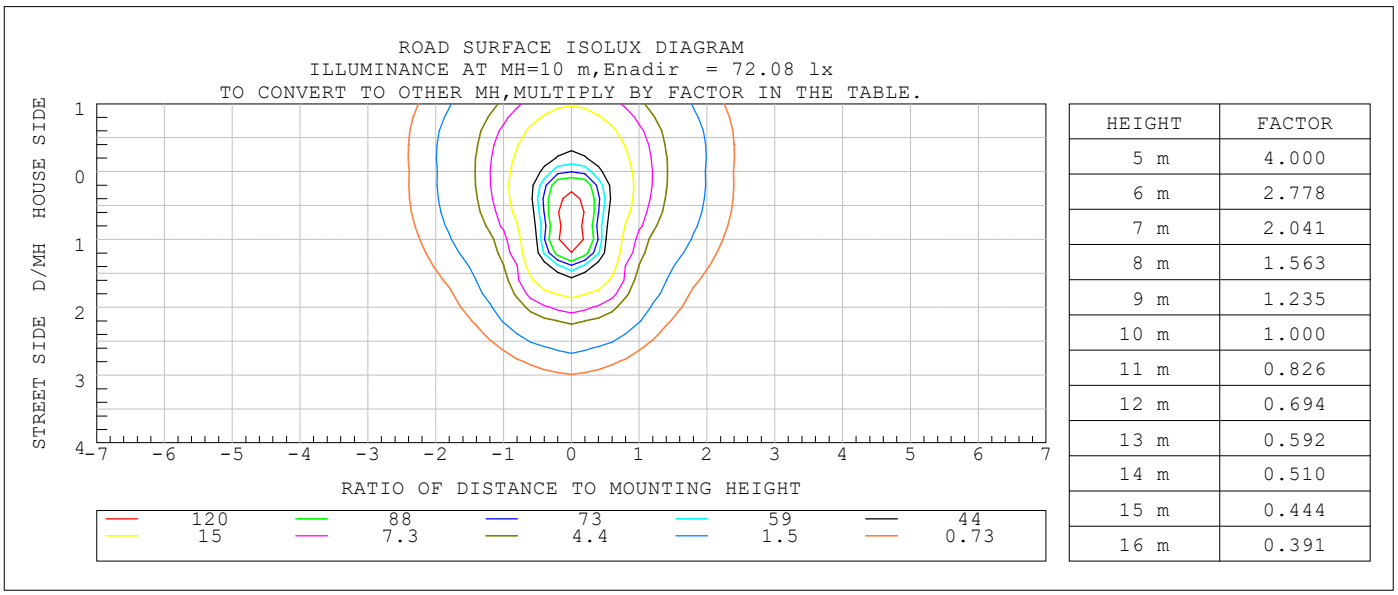
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	46806
90%	42125
80%	37445
70%	32764
60%	28084
50%	23403
40%	18722
30%	14042
20%	9361
10%	4681
5%	2340

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:

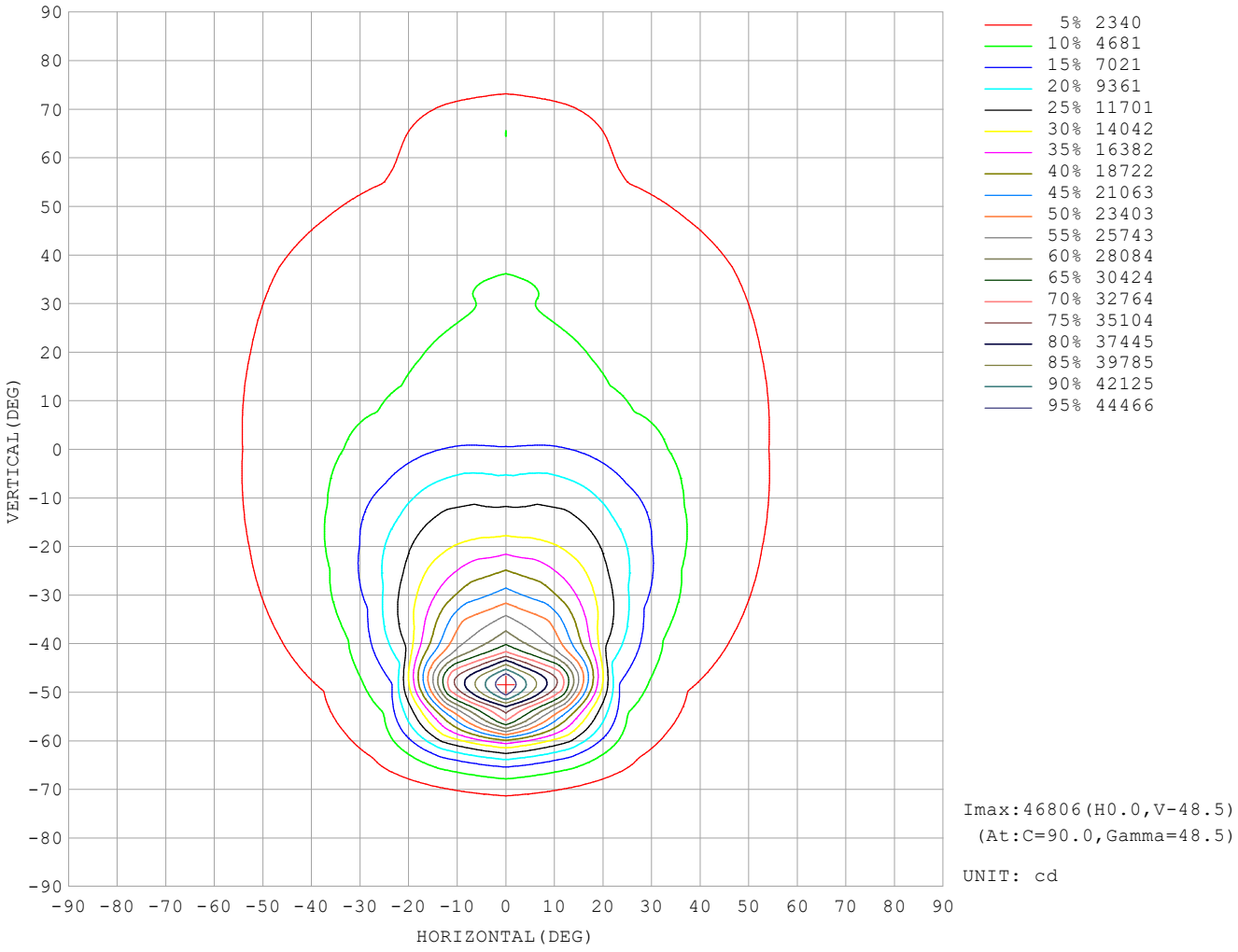
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	725.6	1025	1107	1025	725.6	533.2	520.8	533.2	0- 10	714.2	714.2	2.6,2.6
20	628.5	1197	1527	1197	628.5	493.6	504.9	493.6	10- 20	2280	2994	10.9,10.9
30	515.5	1146	2199	1146	515.5	439.8	478.9	439.8	20- 30	3909	6903	25.1,25.1
40	372.4	807.7	3019	807.7	372.4	375.9	435.3	375.9	30- 40	5263	12166	44.2,44.2
50	276.1	447.4	4556	447.4	276.1	293.9	350.9	293.9	40- 50	6295	18462	67.1,67.1
60	187.5	224.8	1853	224.8	187.5	212.9	433.4	212.9	50- 60	5262	23724	86.2,86.2
70	105.2	121.8	309.5	121.8	105.2	117.9	378.1	117.9	60- 70	2634	26358	95.8,95.8
80	32.71	35.35	47.65	35.35	32.71	32.23	54.81	32.23	70- 80	987.7	27346	99.4,99.4
90	0.6966	0.2086	0.3365	0.2086	0.6966	1.461	3.874	1.461	80- 90	173.7	27519	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:

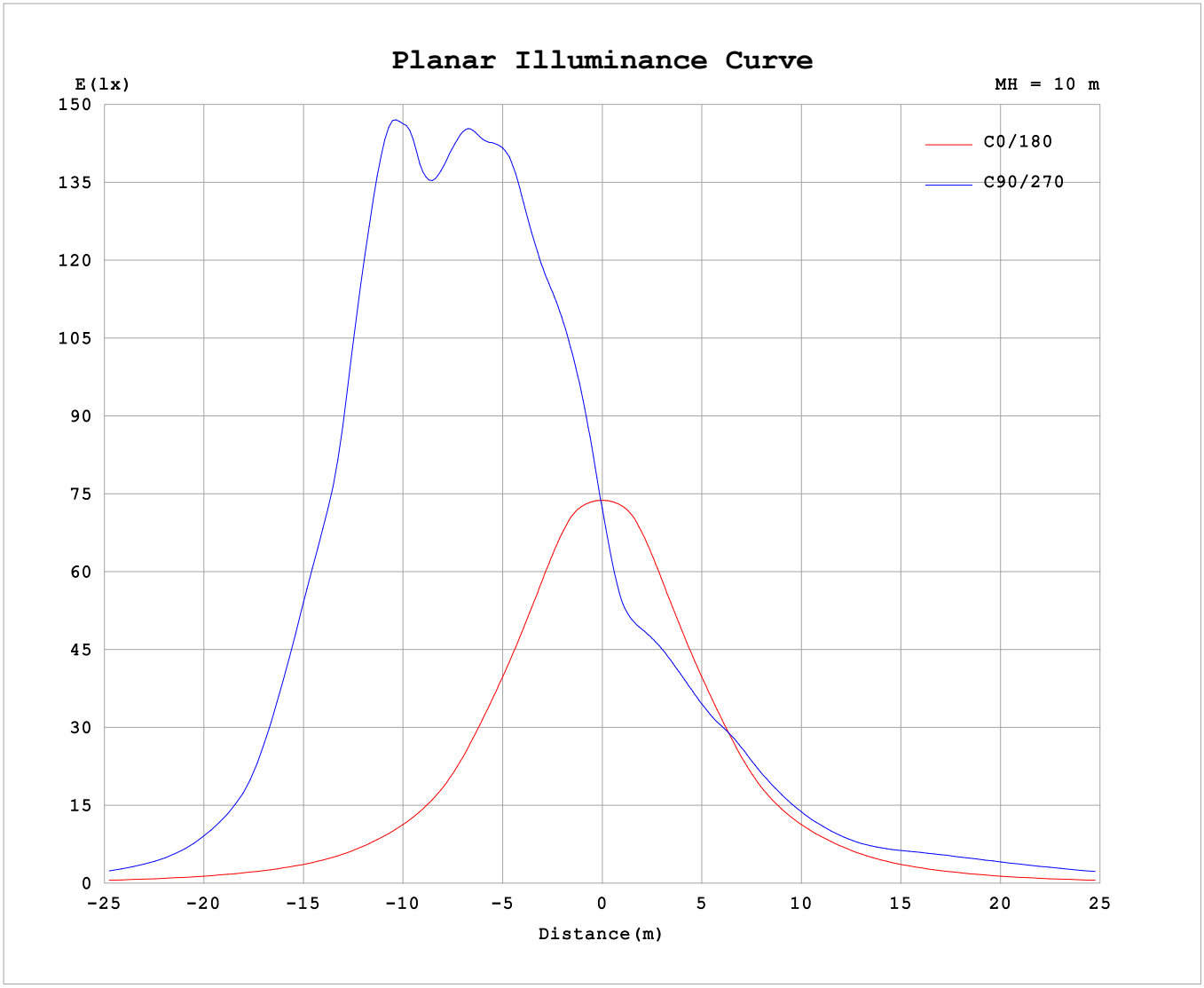
ISOCANDELA DIAGRAM



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



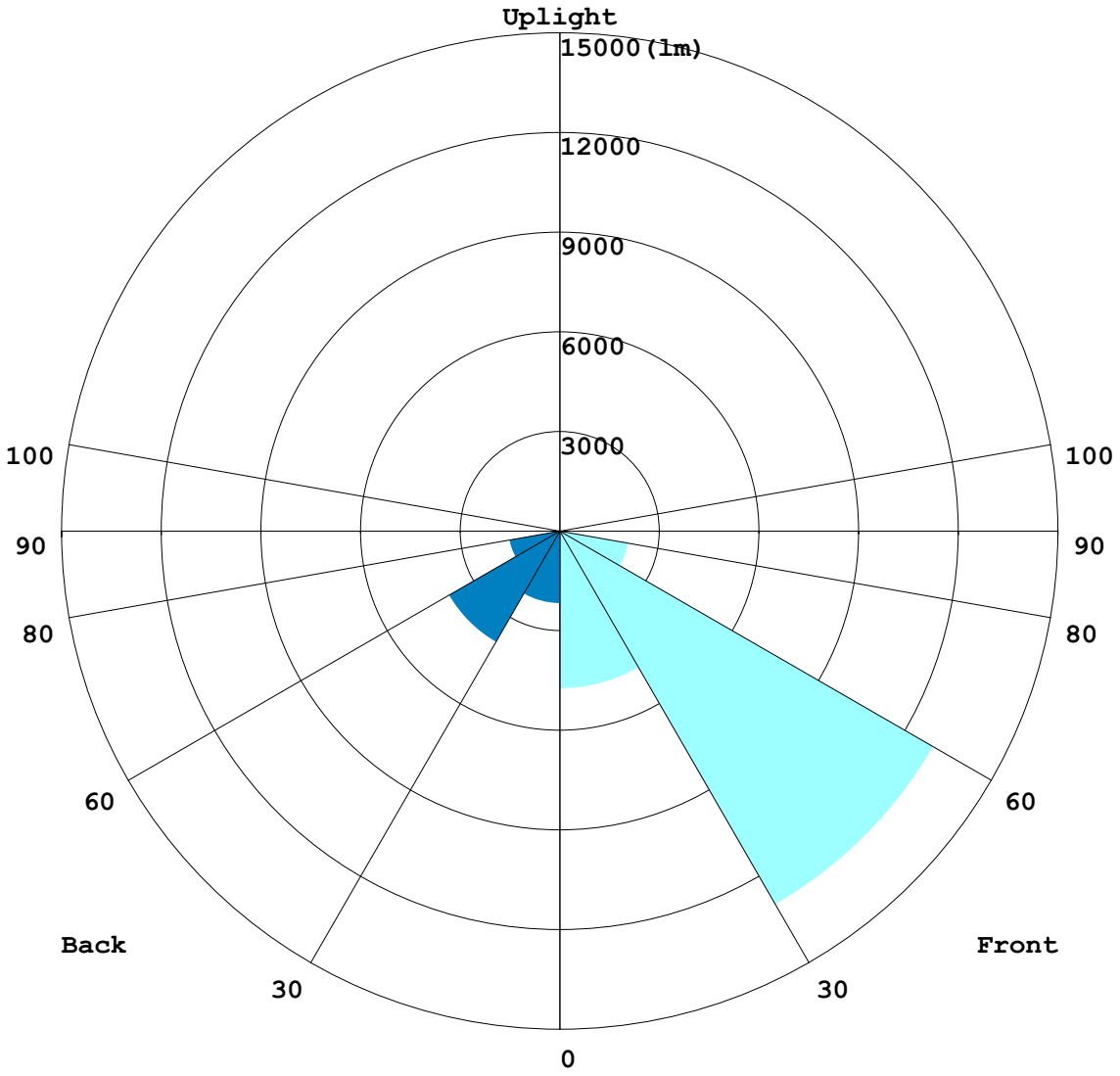
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:27519.4x1 lm		
NAME: FL72-300(150W)-F04802	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:27519.4x1 lm		
NAME: FL72-300(150W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4737.3	17.2
FM - Front-Medium(30-60)	12969	47.1
FH - Front-High(60-80)	2086.2	7.6
FVH - Front-Very High(80-90)	107.46	0.4
Total Forward Light	19900	72.3
BL - Back-Low(0-30)	2166	7.9
BM - Back-Medium(30-60)	3851.4	14.0
BH - Back-High(60-80)	1535.7	5.6
BVH - Back-Very High(80-90)	66.191	0.2
Total Back Light	7619.3	27.7
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	7619.3	0	7619.3
Street Side	19900	0	19900

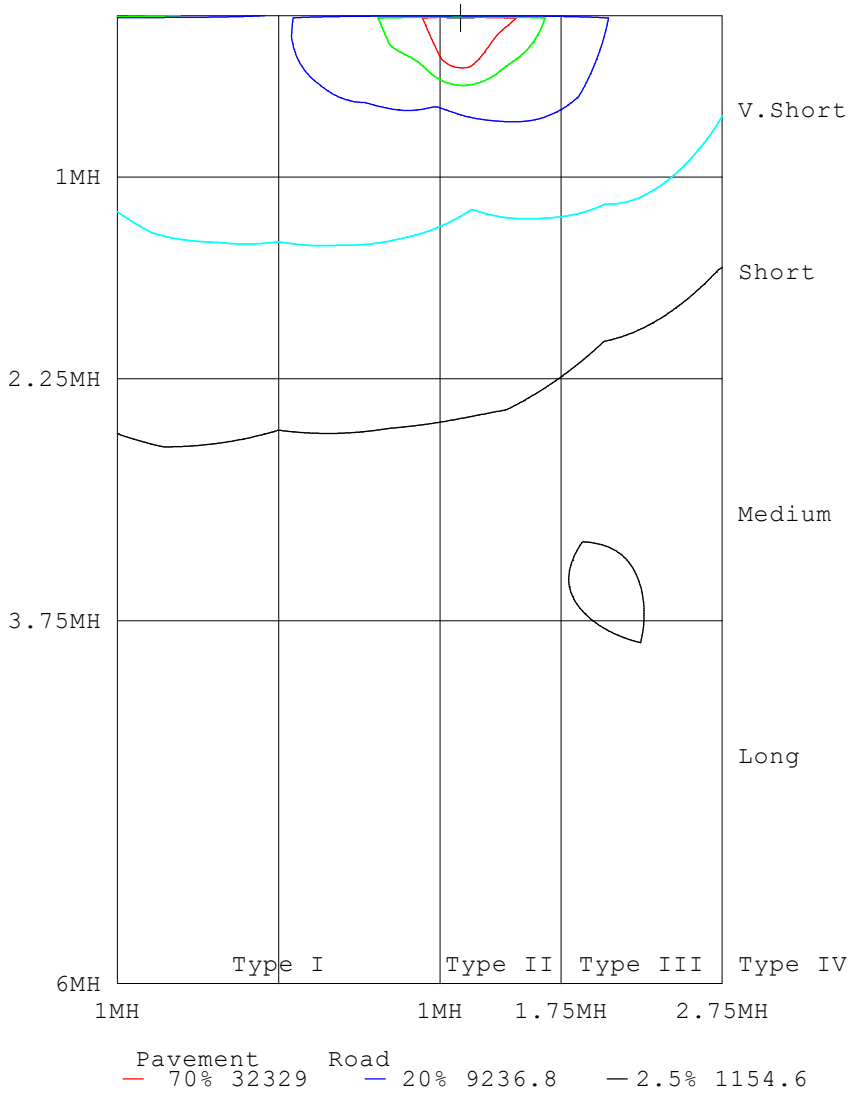
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:27519.4x1 lm		
NAME: FL72-300(150W)-F04802	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	738	721	722	720	722	719	722	719	722	720	722	721	738	721	722	720	722	719	722
5	738	775	830	871	902	912	925	912	902	871	830	775	738	674	635	601	580	566	564
10	726	818	937	1025	1077	1091	1107	1091	1077	1025	937	818	726	625	565	533	522	520	521
15	684	818	995	1131	1220	1259	1282	1259	1220	1131	995	818	684	568	523	510	511	514	517
20	629	774	995	1197	1334	1457	1527	1457	1334	1197	995	774	629	527	497	494	499	503	505
25	574	712	935	1207	1441	1725	1879	1725	1441	1207	935	712	574	488	468	470	478	484	489
30	515	638	842	1146	1519	1966	2199	1966	1519	1146	842	638	515	446	437	440	450	466	479
35	443	539	712	1009	1518	2273	2634	2273	1518	1009	712	539	443	402	402	407	430	459	476
40	372	435	547	808	1414	2477	3019	2477	1414	808	547	435	372	354	363	376	396	415	435
45	321	363	425	597	1143	3003	4138	3003	1143	597	425	363	321	313	325	341	347	376	391
50	276	289	313	447	820	3364	4556	3364	820	447	313	289	276	275	289	294	307	335	351
55	226	238	257	294	592	2174	3422	2174	592	294	257	238	226	235	251	253	264	302	355
60	188	195	210	225	397	1351	1853	1351	397	225	210	195	188	196	205	213	221	306	433
65	146	155	160	169	268	605	763	605	268	169	160	155	146	165	163	167	176	309	469
70	105	109	119	122	160	242	309	242	160	122	119	109	105	117	118	118	129	252	378
75	70.9	82.4	113	73.2	83.3	98.0	124	98.0	83.3	73.2	113	82.4	70.9	72.0	71.7	71.6	76.9	132	168
80	32.7	44.6	66.7	35.4	37.4	35.0	47.7	35.0	37.4	35.4	66.7	44.6	32.7	32.1	32.9	32.2	34.9	46.6	54.8
85	10.6	26.6	48.0	11.3	8.47	8.45	10.1	8.45	8.47	11.3	48.0	26.6	10.6	7.48	7.73	7.38	7.86	9.30	10.4
90	0.70	0.18	0.19	0.21	0.25	0.31	0.34	0.31	0.25	0.21	0.19	0.18	0.70	1.24	1.29	1.46	2.10	3.19	3.87

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	719	722	720	722	721														
5	566	580	601	635	674														
10	520	522	533	565	625														
15	514	511	510	523	568														
20	503	499	494	497	527														
25	484	478	470	468	488														
30	466	450	440	437	446														
35	459	430	407	402	402														
40	415	396	376	363	354														
45	376	347	341	325	313														
50	335	307	294	289	275														
55	302	264	253	251	235														
60	306	221	213	205	196														
65	309	176	167	163	165														
70	252	129	118	118	117														
75	132	76.9	71.6	71.7	72.0														
80	46.6	34.9	32.2	32.9	32.1														
85	9.30	7.86	7.38	7.73	7.48														
90	3.19	2.10	1.46	1.29	1.24														

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: