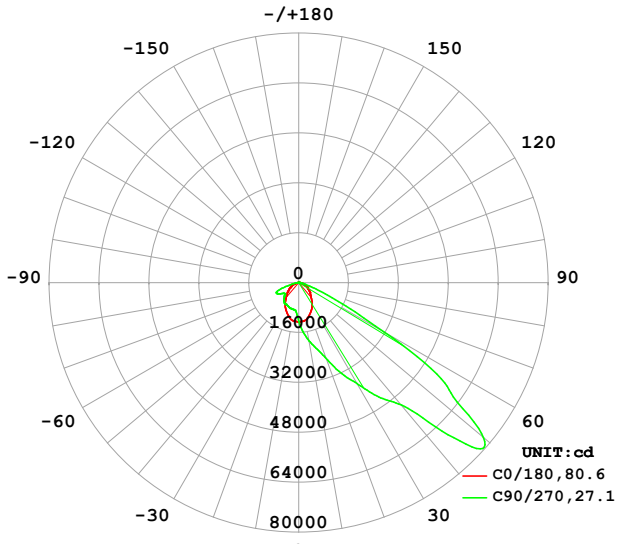
STREETLIGHT PHOTOMETRIC TEST REPORT

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:46734.5x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

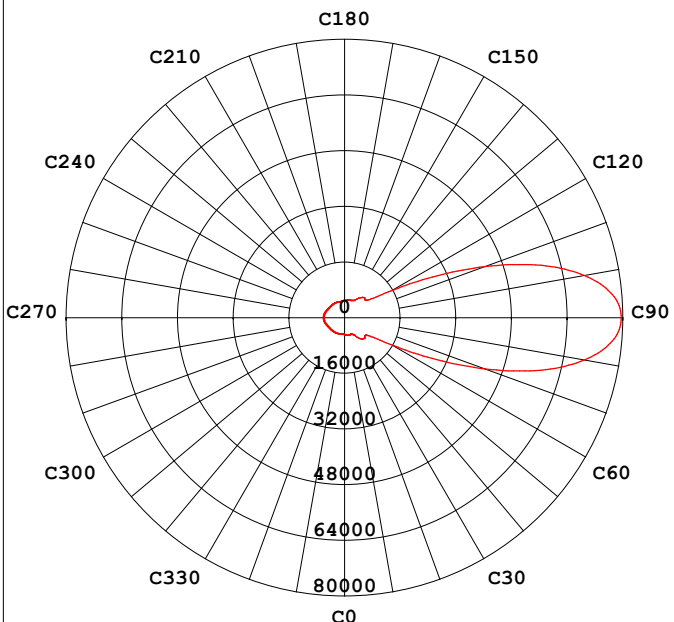
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 155.21 lm/W
MODEL	/	Imax(cd)	79488	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	46734	η house_up(%)	0.0
NOMINAL FLUX(lm)	46734.5	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 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

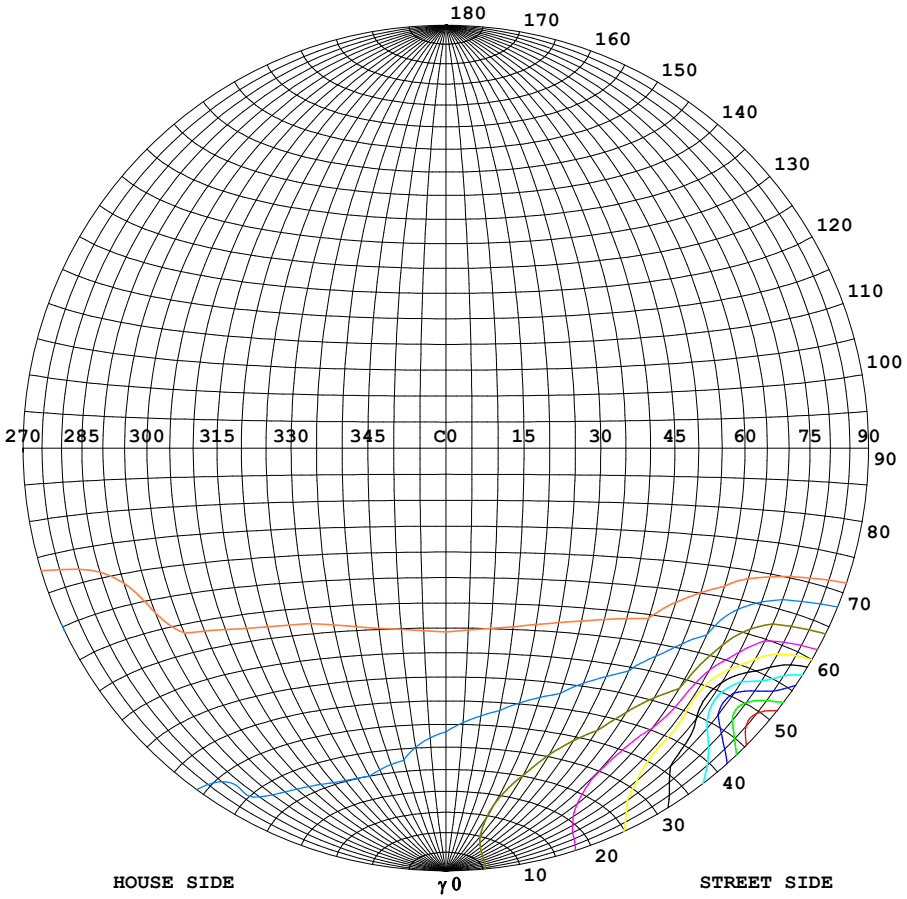


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

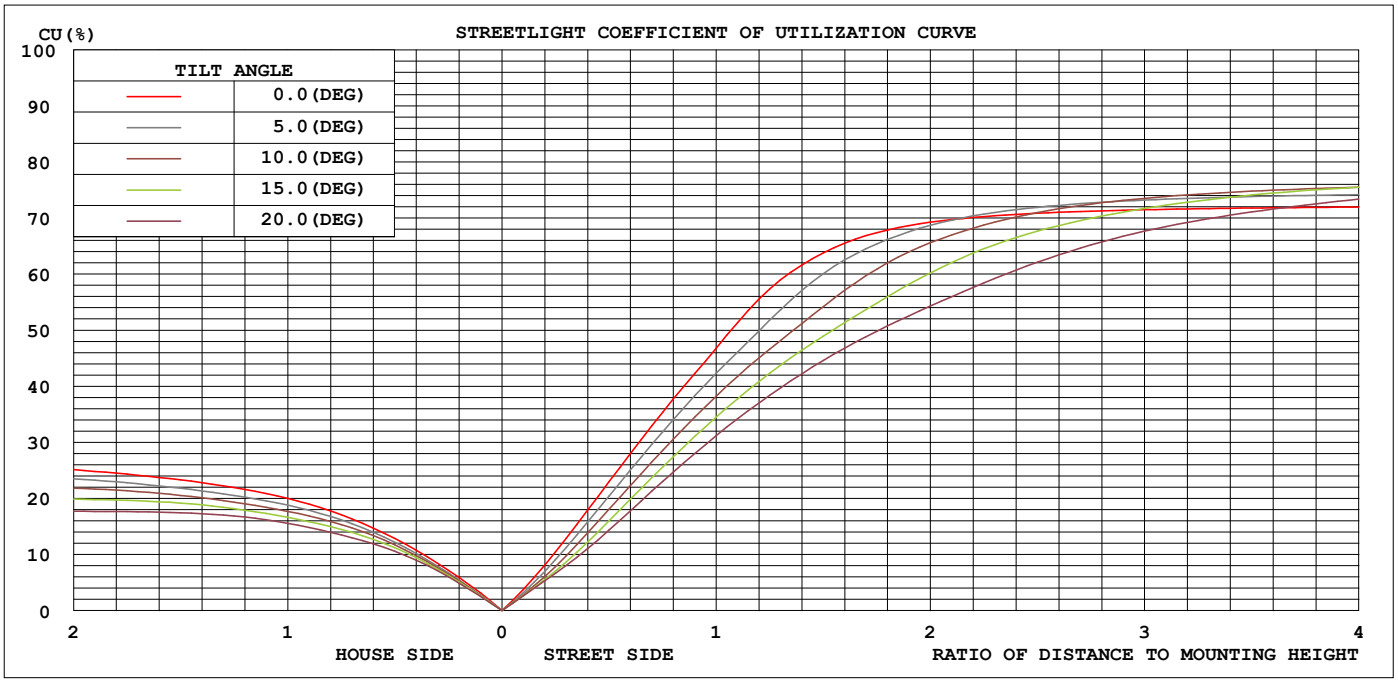
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

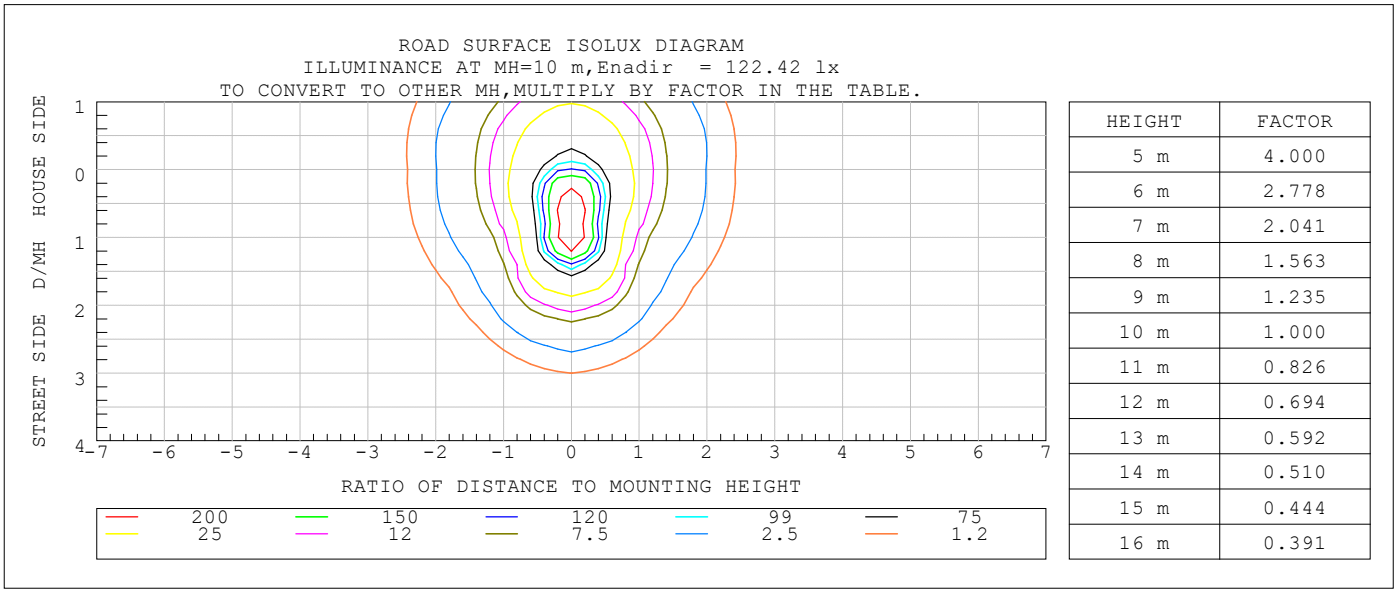
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	79488
90%	71539
80%	63590
70%	55641
60%	47693
50%	39744
40%	31795
30%	23846
20%	15898
10%	7949
5%	3974

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:

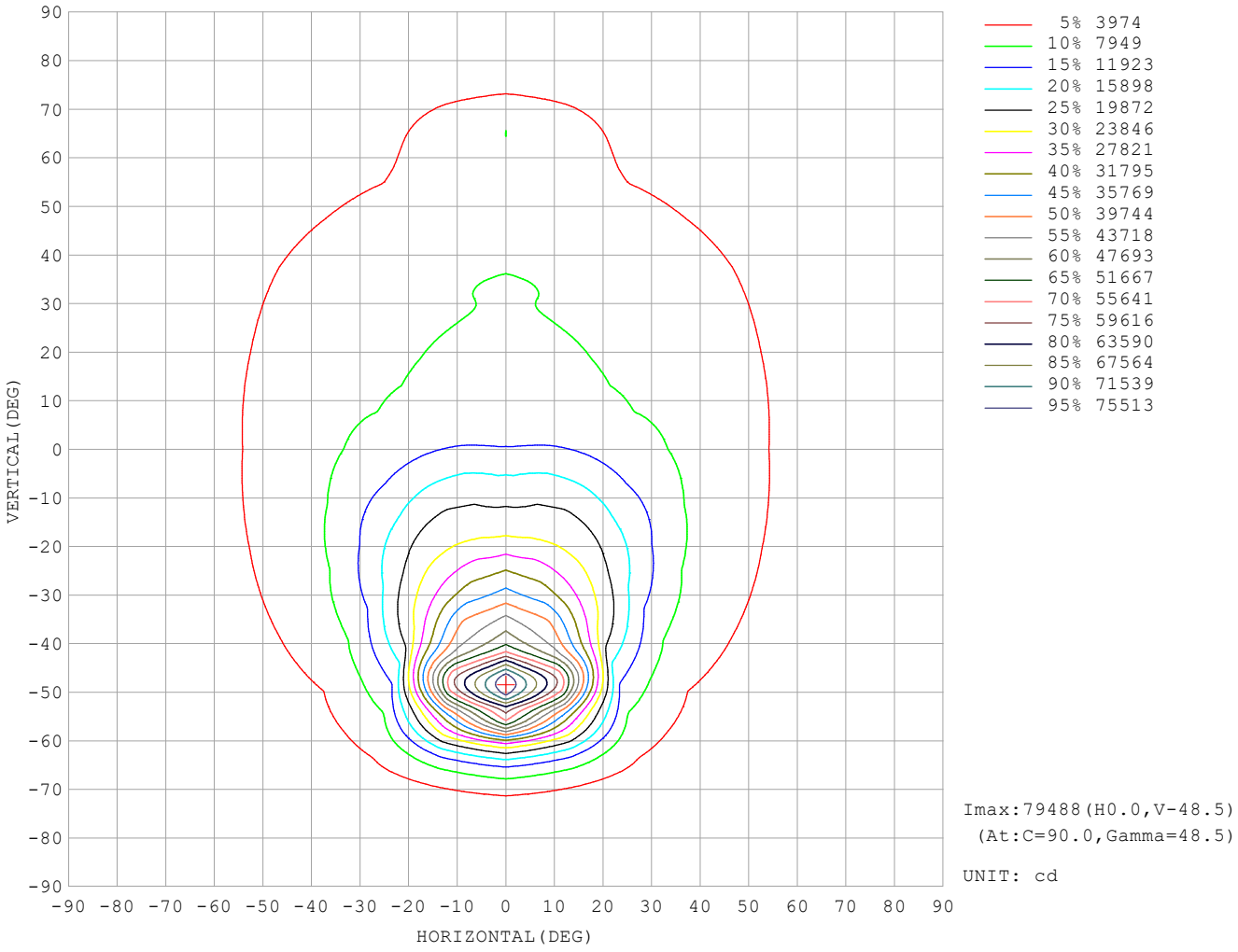
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1232	1740	1880	1740	1232	905.5	884.4	905.5	0- 10	1213	1213	2.6,2.6
20	1067	2033	2593	2033	1067	838.3	857.5	838.3	10- 20	3872	5085	10.9,10.9
30	875.4	1947	3735	1947	875.4	746.9	813.3	746.9	20- 30	6639	11724	25.1,25.1
40	632.4	1372	5126	1372	632.4	638.3	739.3	638.3	30- 40	8938	20661	44.2,44.2
50	468.9	759.8	7738	759.8	468.9	499.1	596.0	499.1	40- 50	10691	31353	67.1,67.1
60	318.5	381.8	3147	381.8	318.5	361.6	736.1	361.6	50- 60	8936	40289	86.2,86.2
70	178.7	206.8	525.6	206.8	178.7	200.2	642.1	200.2	60- 70	4474	44762	95.8,95.8
80	55.54	60.04	80.92	60.04	55.54	54.73	93.08	54.73	70- 80	1677	46440	99.4,99.4
90	1.183	0.3542	0.5715	0.3542	1.183	2.482	6.579	2.482	80- 90	294.9	46734	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:

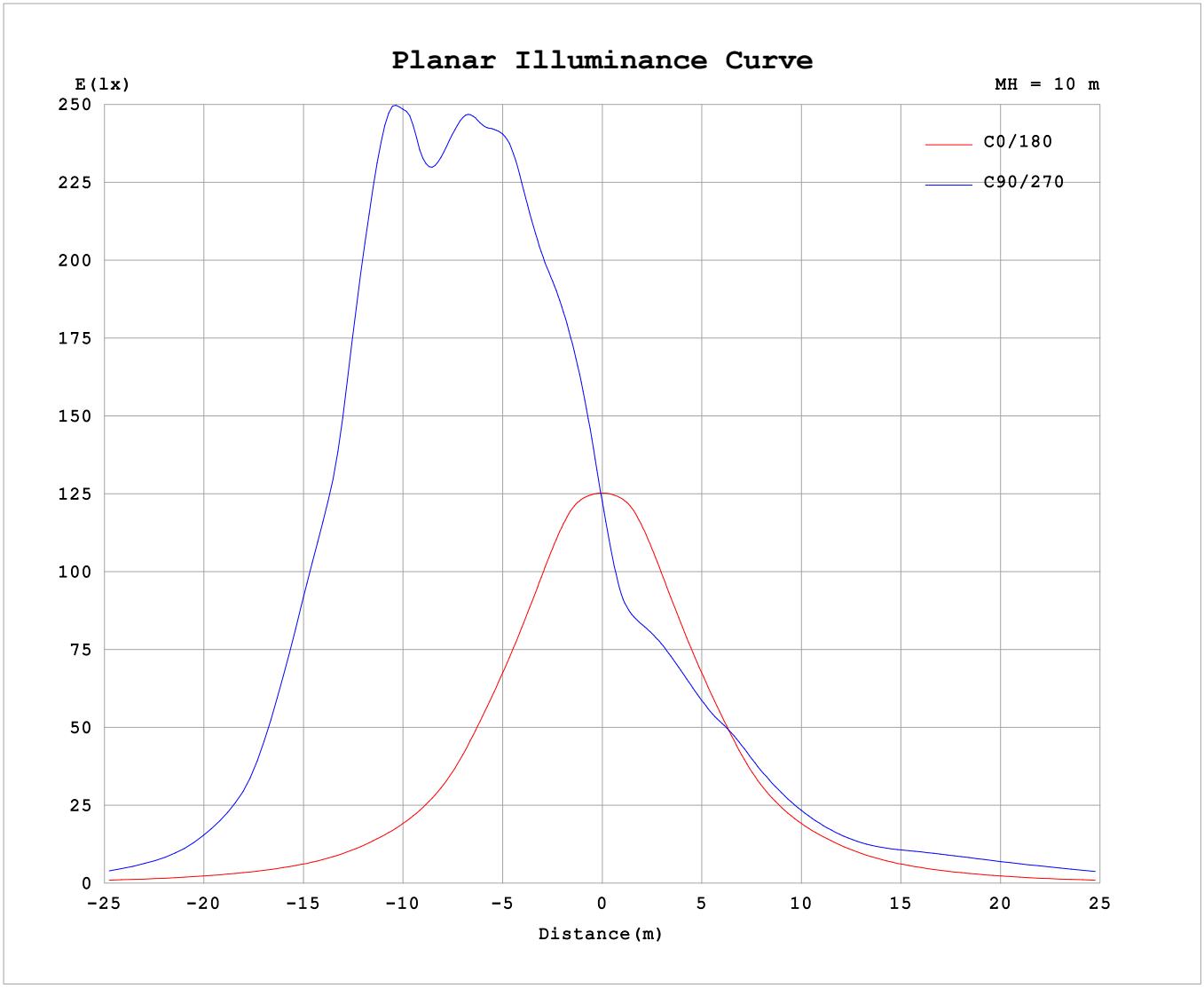
ISOCANDELA DIAGRAM



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



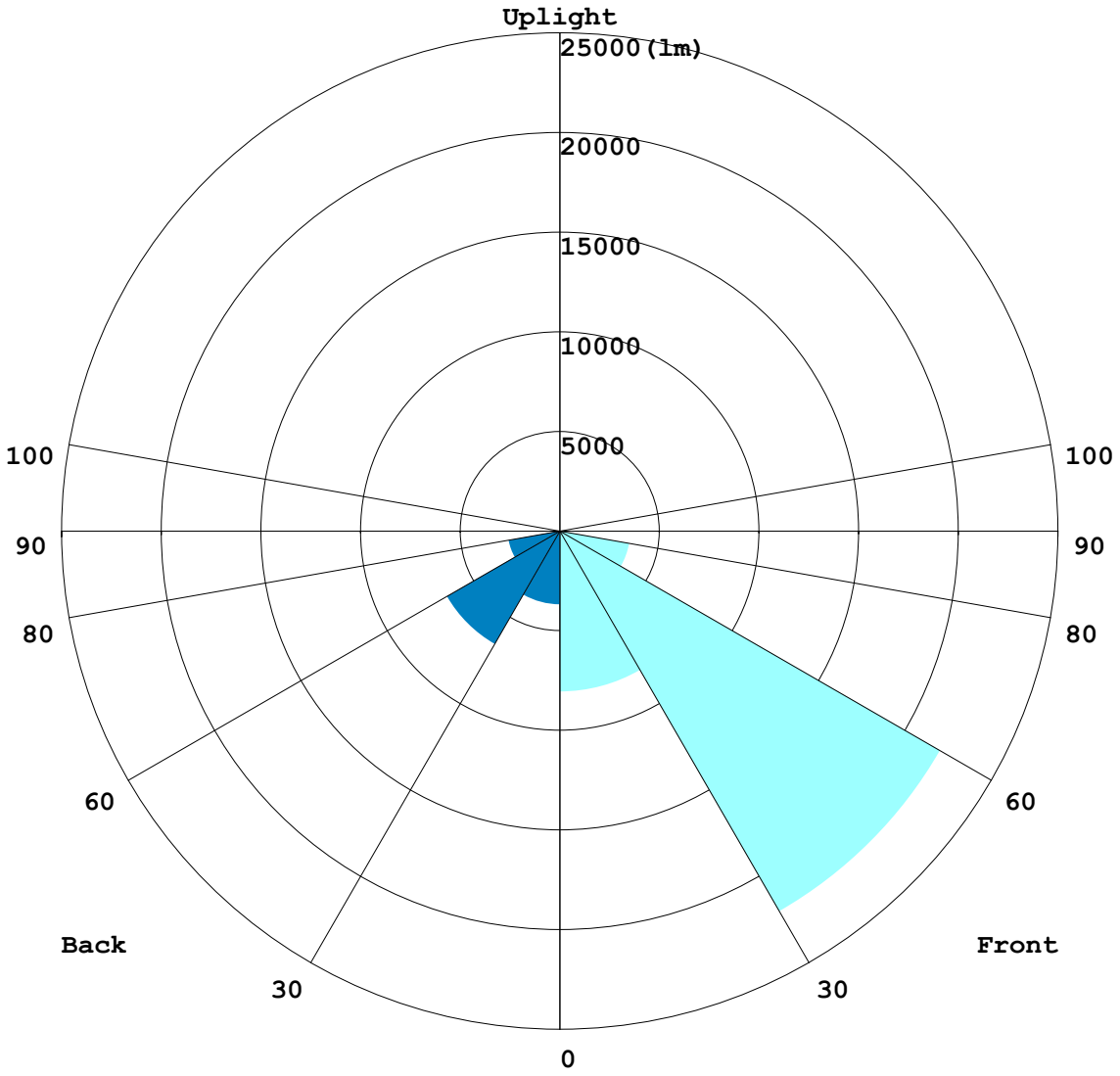
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:46734.5x1 lm		
NAME: FL72-300(300W)-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:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:46734.5x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8045.1	17.2
FM - Front-Medium(30-60)	22025	47.1
FH - Front-High(60-80)	3542.9	7.6
FVH - Front-Very High(80-90)	182.5	0.4
Total Forward Light	33795	72.3
BL - Back-Low(0-30)	3678.4	7.9
BM - Back-Medium(30-60)	6540.6	14.0
BH - Back-High(60-80)	2607.9	5.6
BVH - Back-Very High(80-90)	112.41	0.2
Total Back Light	12939	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	B4-U0-G4	

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12939	0	12939
Street Side	33795	0	33795

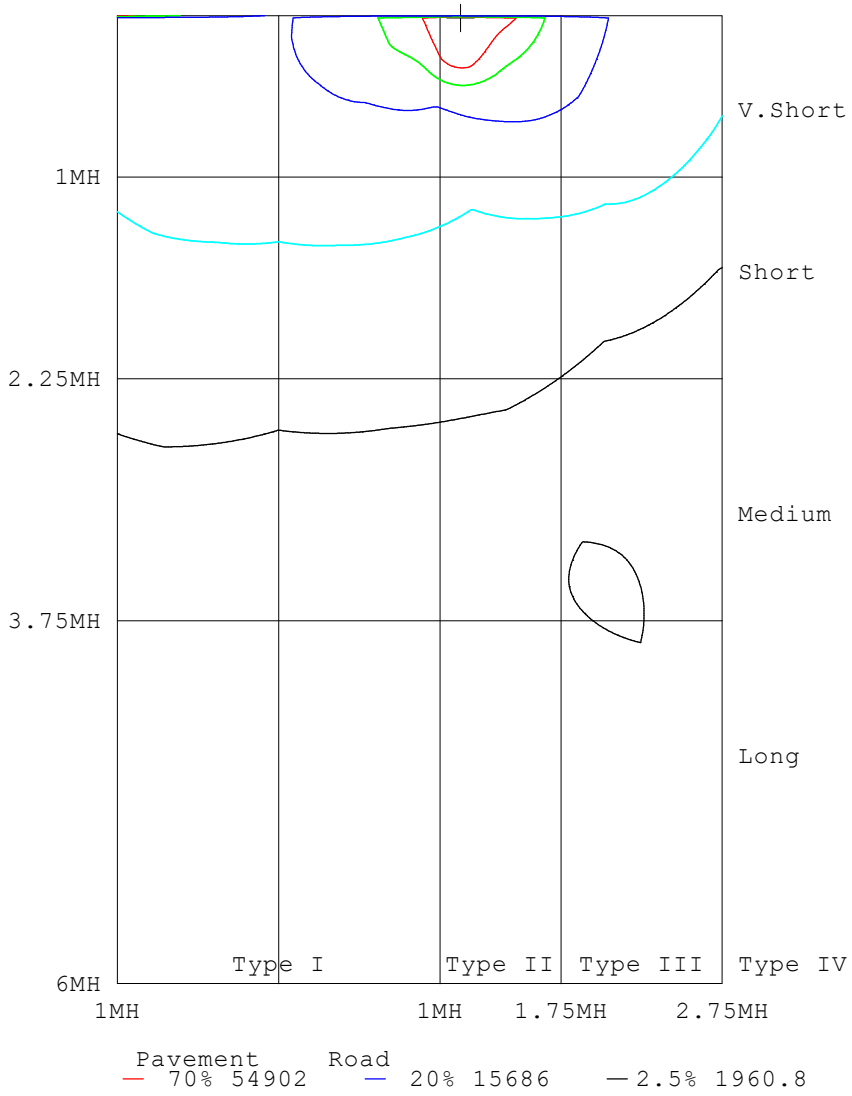
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:46734.5x1 lm		
NAME: FL72-300(300W)-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	1253	1224	1225	1223	1226	1221	1226	1221	1226	1223	1225	1224	1253	1224	1225	1223	1226	1221	1226
5	1253	1316	1409	1478	1533	1549	1571	1549	1533	1478	1409	1316	1253	1144	1078	1021	985	961	957
10	1232	1389	1591	1740	1830	1852	1880	1852	1830	1740	1591	1389	1232	1061	959	905	886	882	884
15	1161	1389	1690	1921	2072	2138	2177	2138	2072	1921	1690	1389	1161	965	888	866	868	872	877
20	1067	1314	1689	2033	2266	2475	2593	2475	2266	2033	1689	1314	1067	894	843	838	848	854	857
25	974	1209	1588	2051	2447	2929	3191	2929	2447	2051	1588	1209	974	828	794	799	811	821	830
30	875	1084	1429	1947	2580	3338	3735	3338	2580	1947	1429	1084	875	758	742	747	765	791	813
35	752	916	1209	1713	2578	3860	4473	3860	2578	1713	1209	916	752	682	683	692	731	780	808
40	632	738	929	1372	2401	4206	5126	4206	2401	1372	929	738	632	601	616	638	673	705	739
45	545	616	722	1013	1942	5099	7028	5099	1942	1013	722	616	545	531	551	580	589	638	663
50	469	490	531	760	1393	5713	7738	5713	1393	760	531	490	469	466	491	499	521	568	596
55	385	404	436	498	1006	3692	5811	3692	1006	498	436	404	385	400	426	429	449	512	602
60	318	332	357	382	674	2295	3147	2295	674	382	357	332	318	333	349	362	375	520	736
65	249	263	272	287	455	1027	1295	1027	455	287	272	263	249	280	277	284	300	524	796
70	179	185	202	207	272	410	526	410	272	207	202	185	179	198	201	200	219	429	642
75	120	140	192	124	141	166	211	166	141	124	192	140	120	122	122	122	131	224	286
80	55.5	75.8	113	60.0	63.6	59.4	80.9	59.4	63.6	60.0	113	75.8	55.5	54.6	55.9	54.7	59.4	79.1	93.1
85	18.0	45.2	81.4	19.2	14.4	14.4	17.2	14.4	14.4	19.2	81.4	45.2	18.0	12.7	13.1	12.5	13.3	15.8	17.7
90	1.18	0.30	0.33	0.35	0.43	0.52	0.57	0.52	0.43	0.35	0.33	0.30	1.18	2.10	2.19	2.48	3.56	5.42	6.58

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	1221	1226	1223	1225	1224														
5	961	985	1021	1078	1144														
10	882	886	905	959	1061														
15	872	868	866	888	965														
20	854	848	838	843	894														
25	821	811	799	794	828														
30	791	765	747	742	758														
35	780	731	692	683	682														
40	705	673	638	616	601														
45	638	589	580	551	531														
50	568	521	499	491	466														
55	512	449	429	426	400														
60	520	375	362	349	333														
65	524	300	284	277	280														
70	429	219	200	201	198														
75	224	131	122	122	122														
80	79.1	59.4	54.7	55.9	54.6														
85	15.8	13.3	12.5	13.1	12.7														
90	5.42	3.56	2.48	2.19	2.10														

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: