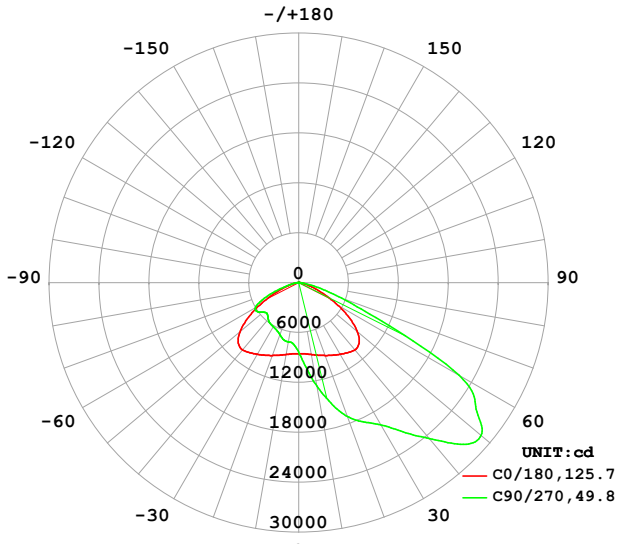
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:48528.8x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

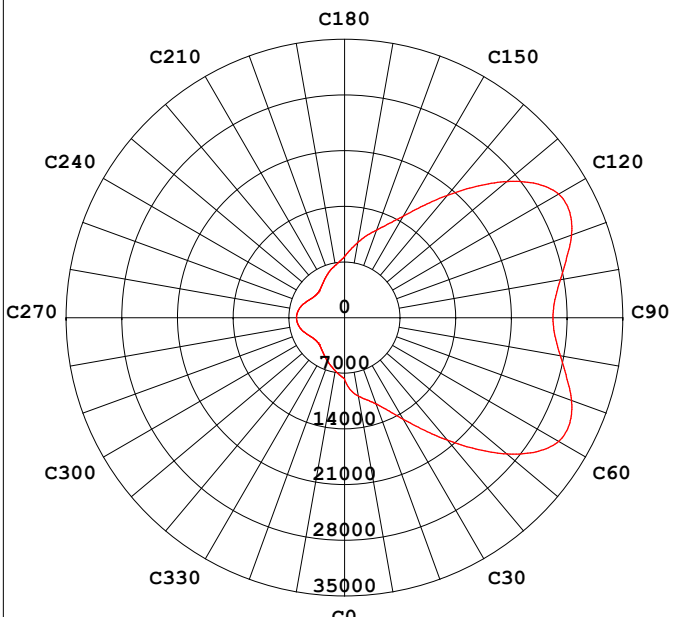
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 161.17 lm/W	
MODEL	/	Imax(cd)	31107	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	48529	η house_up(%)	0.0
NOMINAL FLUX(lm)	48528.8	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

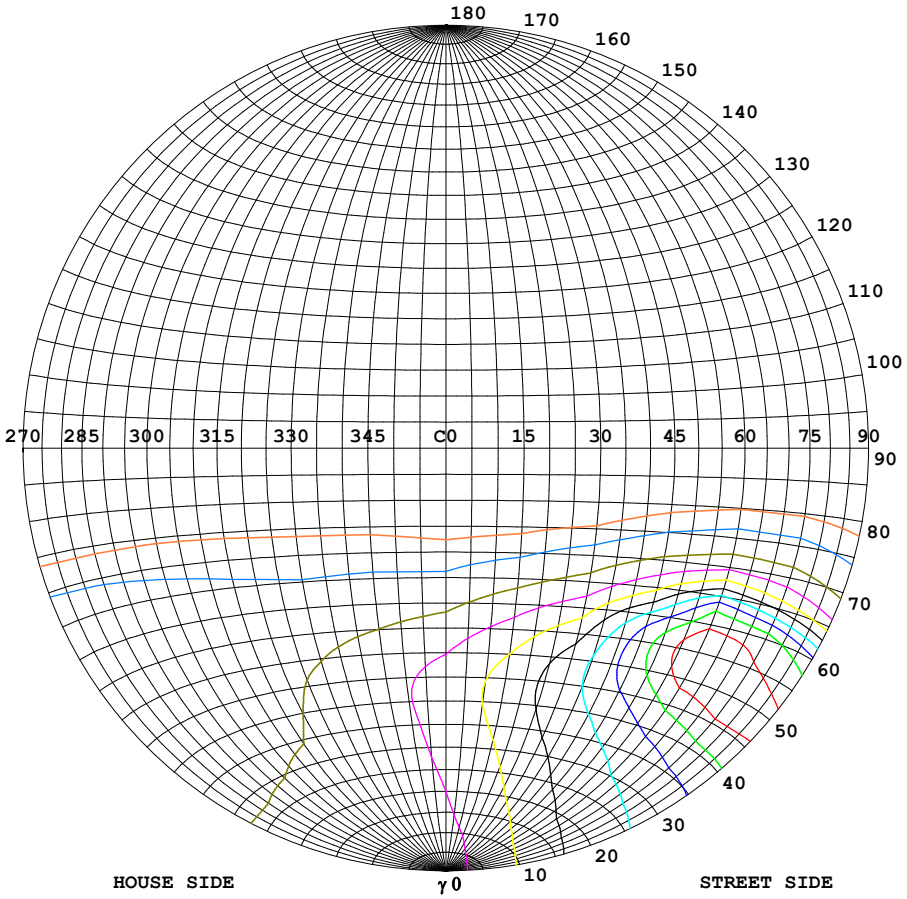


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

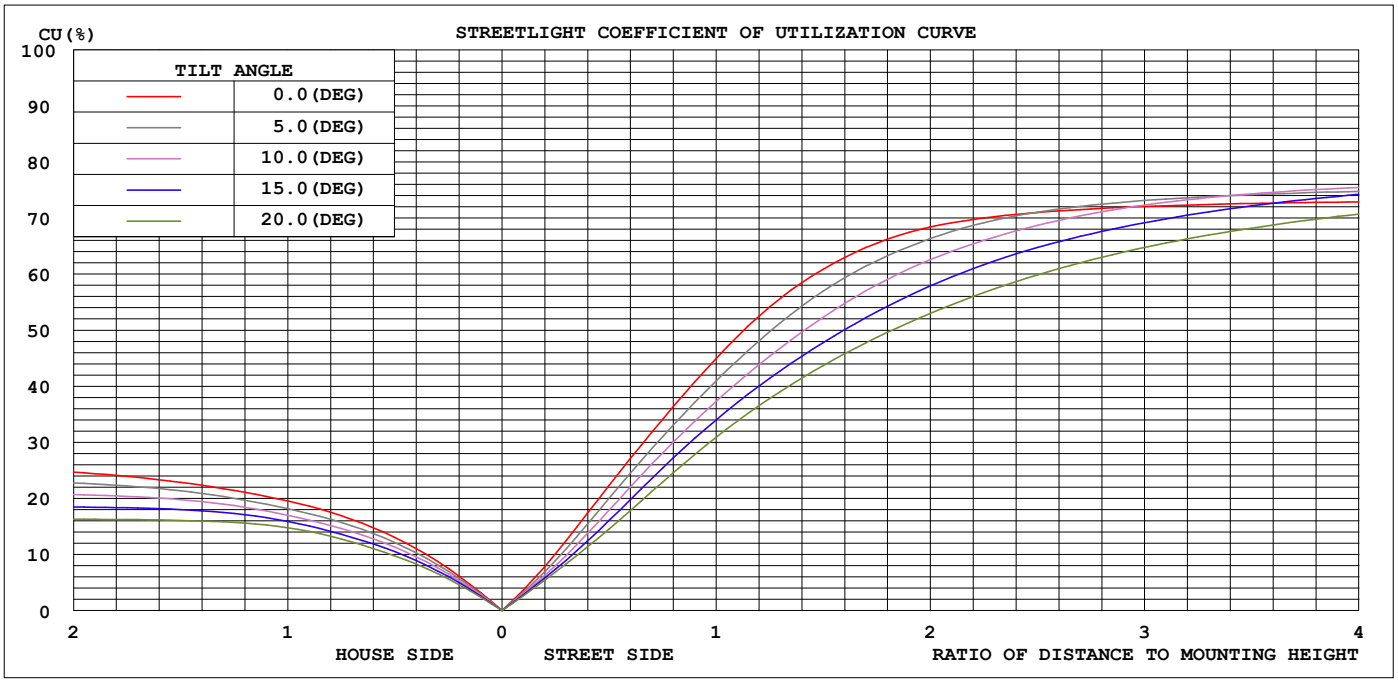
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

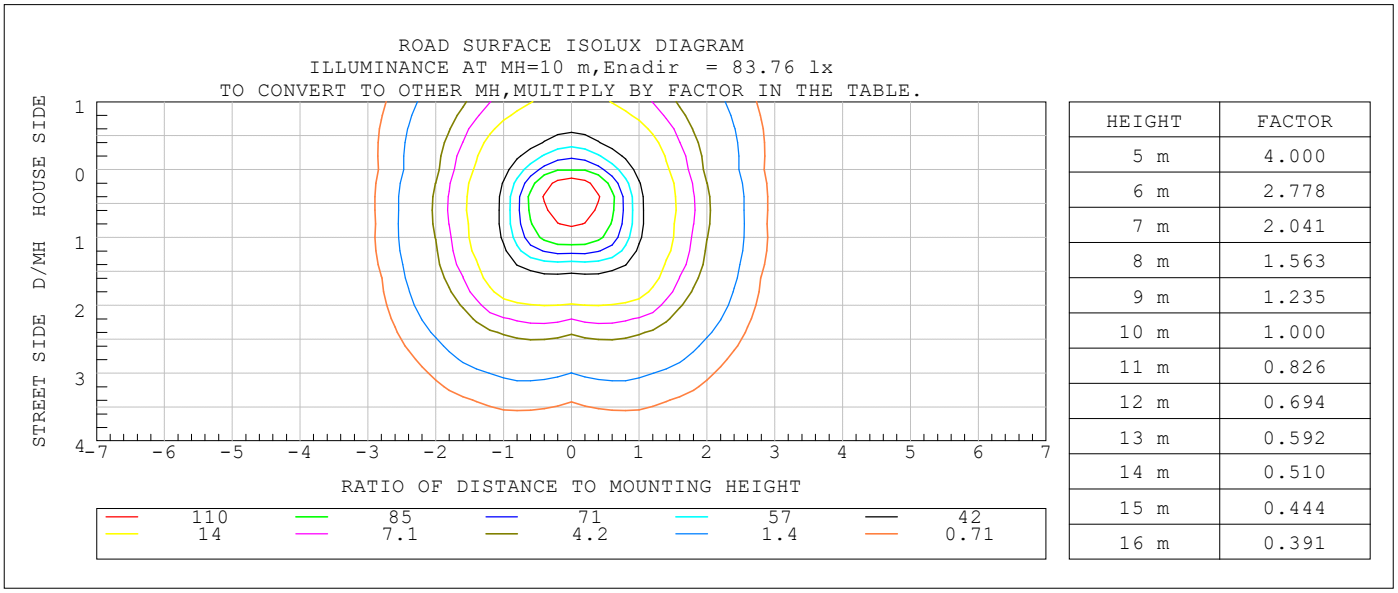
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	31107
90%	27996
80%	24885
70%	21775
60%	18664
50%	15553
40%	12443
30%	9332
20%	6221
10%	3111
5%	1555

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:

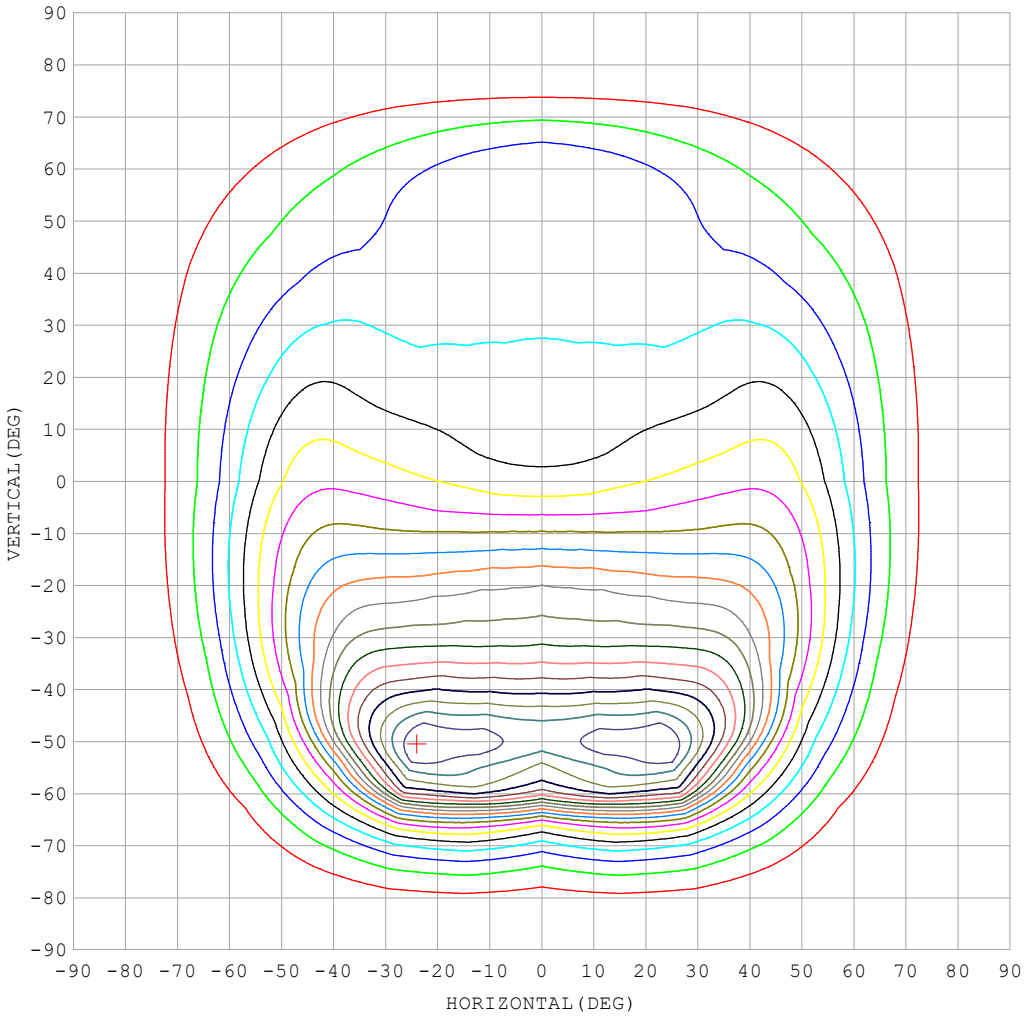
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	878.6	1120	1264	1120	878.6	735.2	724.3	735.2	0- 10	846.4	846.4	1.74,1.74
20	933.2	1439	1711	1439	933.2	717.1	664.8	717.1	10- 20	2862	3709	7.64,7.64
30	996.1	1712	1975	1712	996.1	646.3	613.1	646.3	20- 30	5179	8888	18.3,18.3
40	1055	1966	2446	1966	1055	588.4	572.9	588.4	30- 40	7683	16571	34.1,34.1
50	923.1	2319	2861	2319	923.1	513.3	555.8	513.3	40- 50	10485	27056	55.8,55.8
60	546.2	1925	2225	1925	546.2	404.3	602.1	404.3	50- 60	11615	38671	79.7,79.7
70	207.4	674.9	550.2	674.9	207.4	236.5	286.0	236.5	60- 70	7370	46041	94.9,94.9
80	49.68	109.1	94.83	109.1	49.68	59.23	53.59	59.23	70- 80	2229	48271	99.5,99.5
90	1.529	0.4633	0.6042	0.4633	1.529	7.106	7.923	7.106	80- 90	258.2	48529	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:

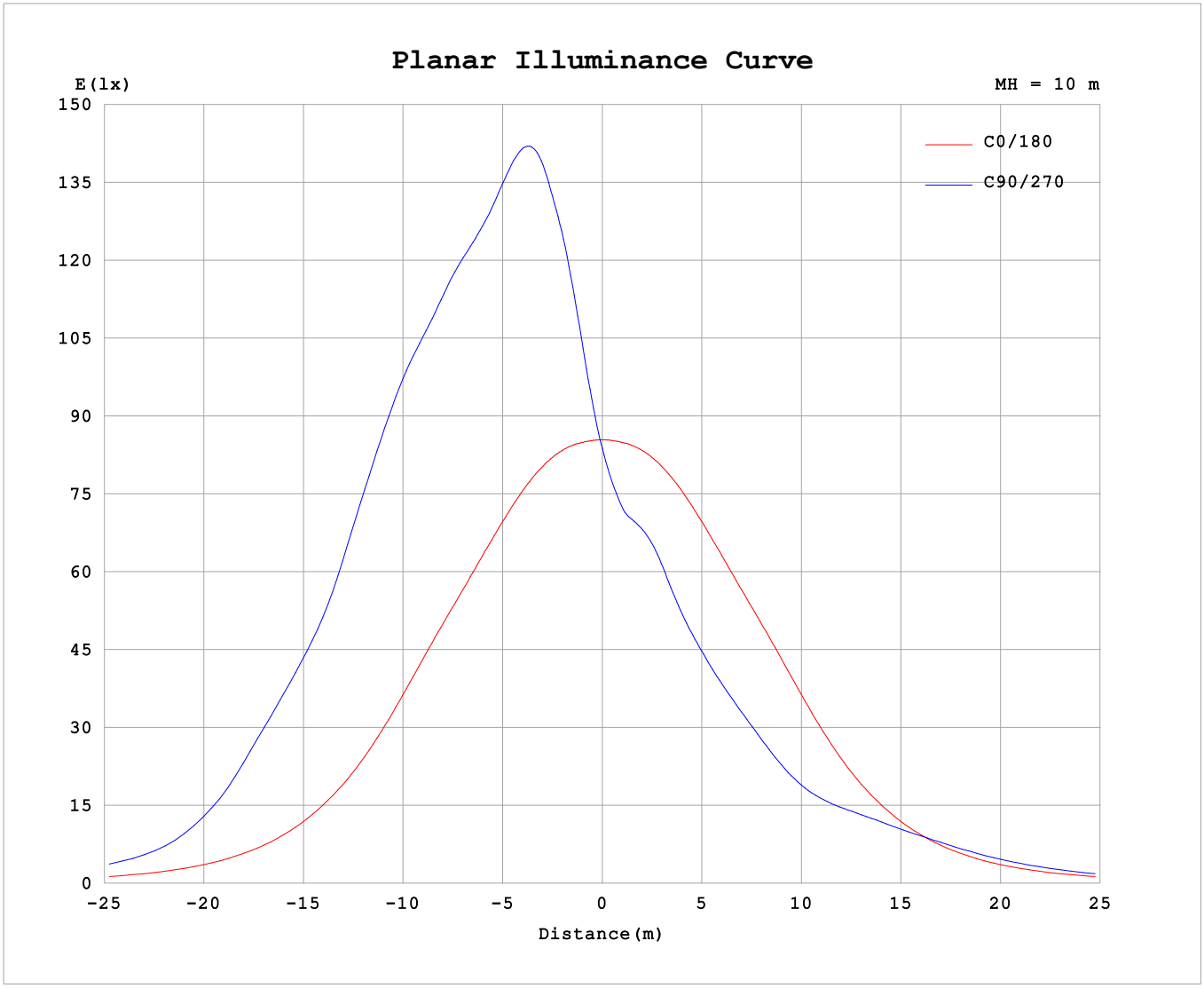
ISOCANDELA DIAGRAM



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



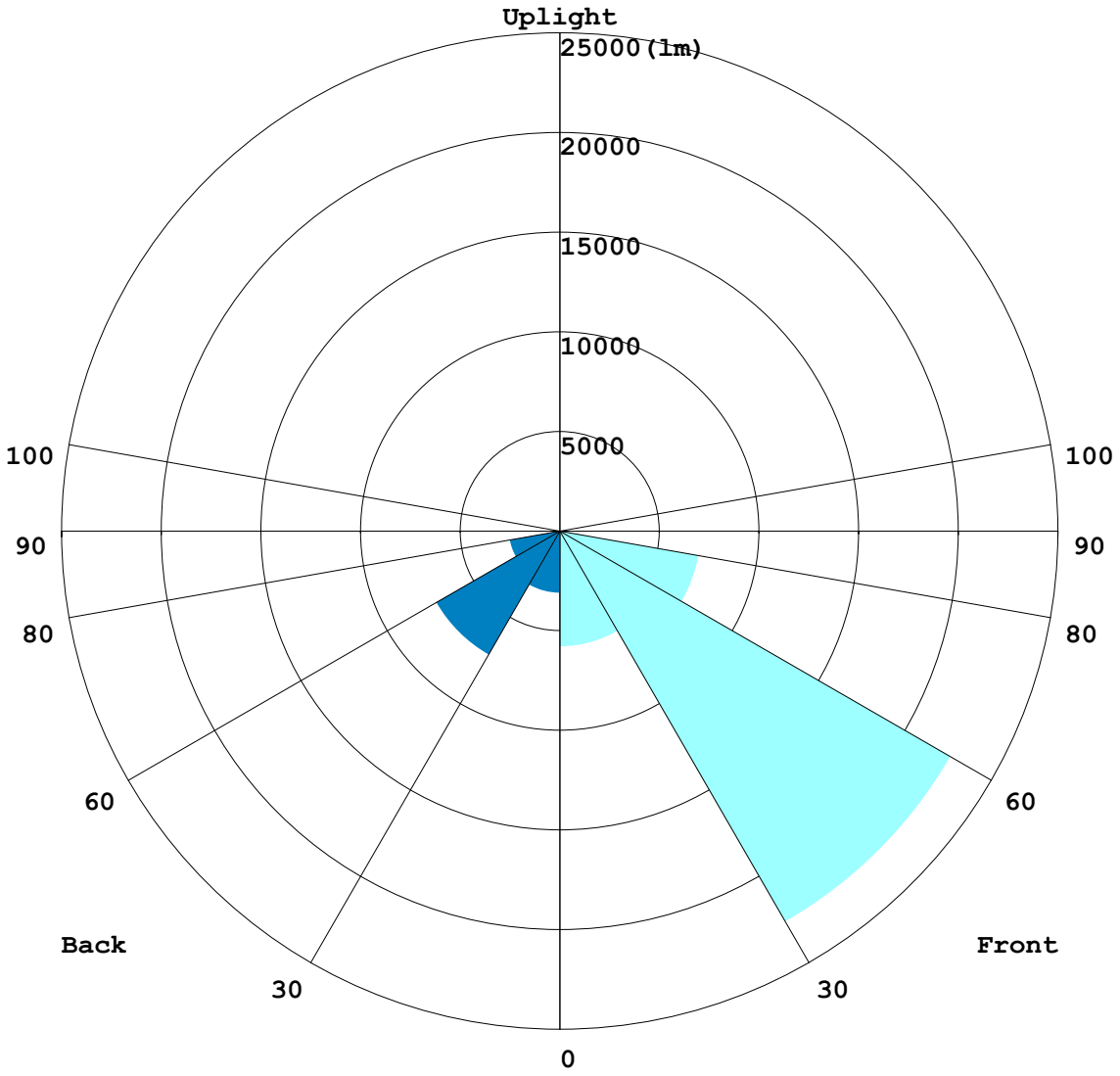
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:48528.8x1 lm		
NAME: FL72-300(300W)-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:1.3351A P:301.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:48528.8x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5782.5	11.9
FM - Front-Medium(30-60)	22632	46.6
FH - Front-High(60-80)	7055.4	14.5
FVH - Front-Very High(80-90)	148.39	0.3
Total Forward Light	35619	73.4
BL - Back-Low(0-30)	3105.2	6.4
BM - Back-Medium(30-60)	7151.5	14.7
BH - Back-High(60-80)	2543.7	5.2
BVH - Back-Very High(80-90)	109.85	0.2
Total Back Light	12910	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	B4-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12910	0	12910
Street Side	35619	0	35619

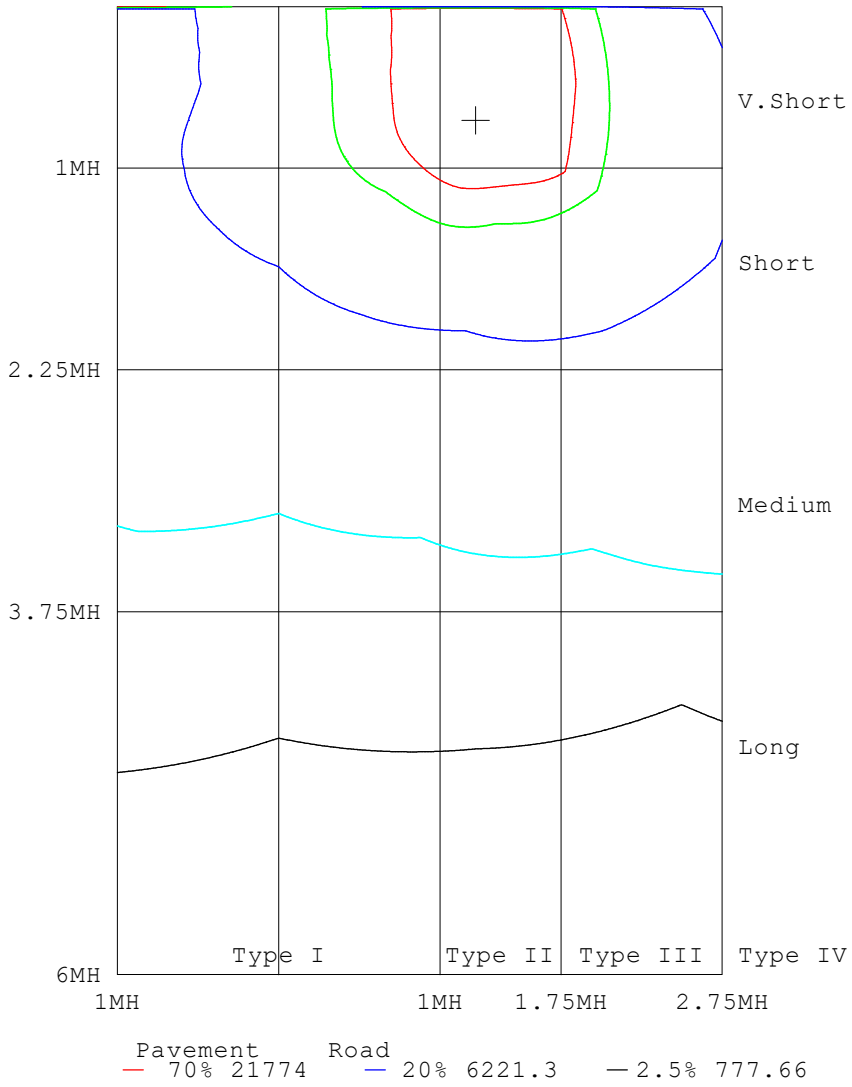
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:48528.8x1 lm		
NAME: FL72-300(300W)-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	854	838	839	837	838	836	838	836	838	837	839	838	854	838	839	837	838	836	838
5	860	881	921	958	993	1012	1023	1012	993	958	921	881	860	813	787	767	754	745	744
10	879	939	1030	1120	1199	1244	1264	1244	1199	1120	1030	939	879	803	760	735	728	725	724
15	904	1005	1150	1290	1398	1459	1496	1459	1398	1290	1150	1005	904	804	757	736	721	713	712
20	933	1074	1269	1439	1593	1673	1711	1673	1593	1439	1269	1074	933	813	762	717	687	668	665
25	964	1144	1376	1588	1745	1816	1848	1816	1745	1588	1376	1144	964	828	747	679	646	633	632
30	996	1215	1478	1712	1861	1935	1975	1935	1861	1712	1478	1215	996	837	721	646	619	611	613
35	1029	1285	1584	1826	2007	2135	2190	2135	2007	1826	1584	1285	1029	841	701	617	595	596	601
40	1055	1342	1677	1966	2252	2407	2446	2407	2252	1966	1677	1342	1055	852	687	588	569	570	573
45	1028	1341	1719	2159	2551	2742	2750	2742	2551	2159	1719	1341	1028	837	669	555	527	529	536
50	923	1242	1661	2319	2922	3003	2861	3003	2922	2319	1661	1242	923	759	613	513	486	529	556
55	752	1047	1446	2323	3109	2858	2598	2858	3109	2323	1446	1047	752	623	518	458	487	569	609
60	546	797	1100	1925	2729	2611	2225	2611	2729	1925	1100	797	546	471	413	404	476	551	602
65	349	519	732	1187	1908	1504	1109	1504	1908	1187	732	519	349	341	318	338	387	434	471
70	207	271	425	675	875	777	550	777	875	675	425	271	207	227	223	237	257	275	286
75	113	128	175	314	402	378	263	378	402	314	175	128	113	130	130	136	135	131	128
80	49.7	53.2	56.1	109	148	139	94.8	139	148	109	56.1	53.2	49.7	58.2	57.1	59.2	58.4	55.9	53.6
85	11.0	11.1	10.5	15.9	23.7	23.1	16.5	23.1	23.7	15.9	10.5	11.1	11.0	13.4	13.7	14.6	15.1	15.1	14.9
90	1.53	0.38	0.41	0.46	0.52	0.58	0.60	0.58	0.52	0.46	0.41	0.38	1.53	3.39	4.99	7.11	8.41	8.34	7.92

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	836	838	837	839	838														
5	745	754	767	787	813														
10	725	728	735	760	803														
15	713	721	736	757	804														
20	668	687	717	762	813														
25	633	646	679	747	828														
30	611	619	646	721	837														
35	596	595	617	701	841														
40	570	569	588	687	852														
45	529	527	555	669	837														
50	529	486	513	613	759														
55	569	487	458	518	623														
60	551	476	404	413	471														
65	434	387	338	318	341														
70	275	257	237	223	227														
75	131	135	136	130	130														
80	55.9	58.4	59.2	57.1	58.2														
85	15.1	15.1	14.6	13.7	13.4														
90	8.34	8.41	7.11	4.99	3.39														

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: