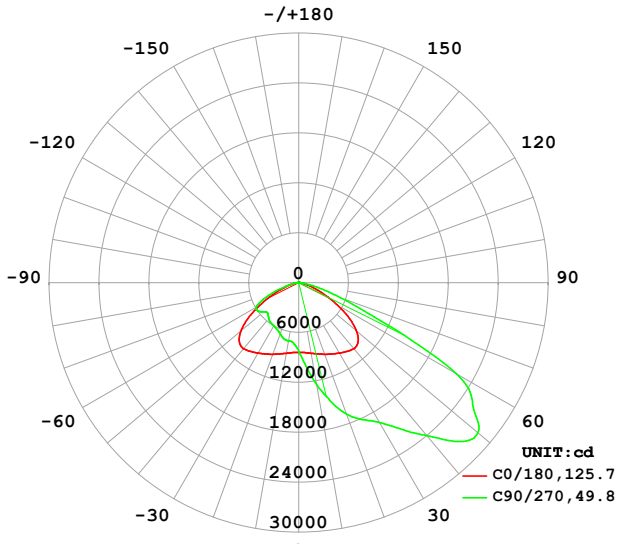
STREETLIGHT PHOTOMETRIC TEST REPORT

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:47690x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

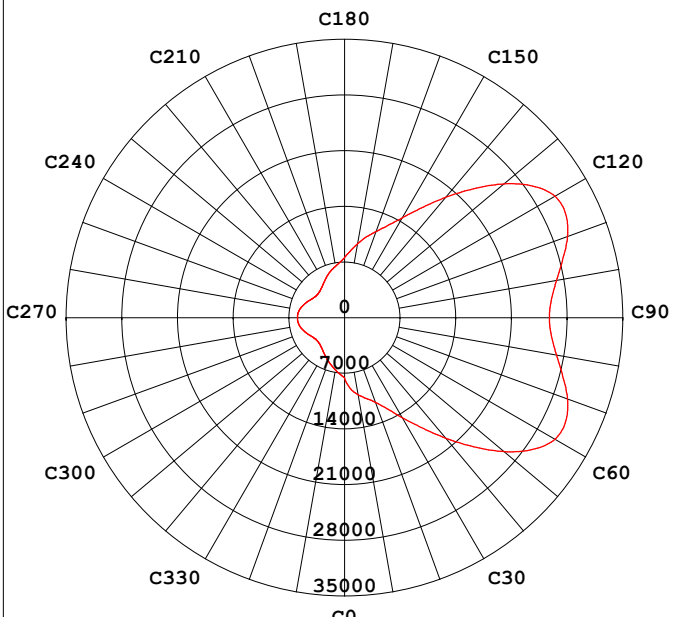
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 158.39 lm/W	
MODEL	/	Imax(cd)	30569	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	47690	η house_up(%)	0.0
NOMINAL FLUX(lm)	47690	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

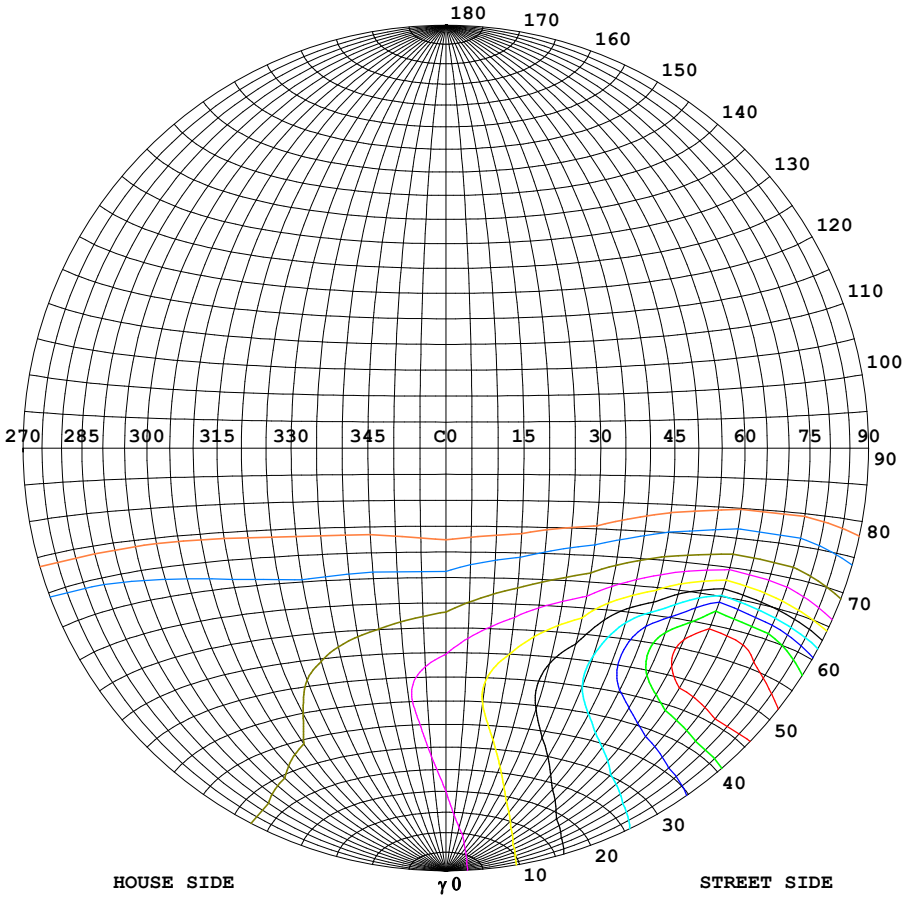


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

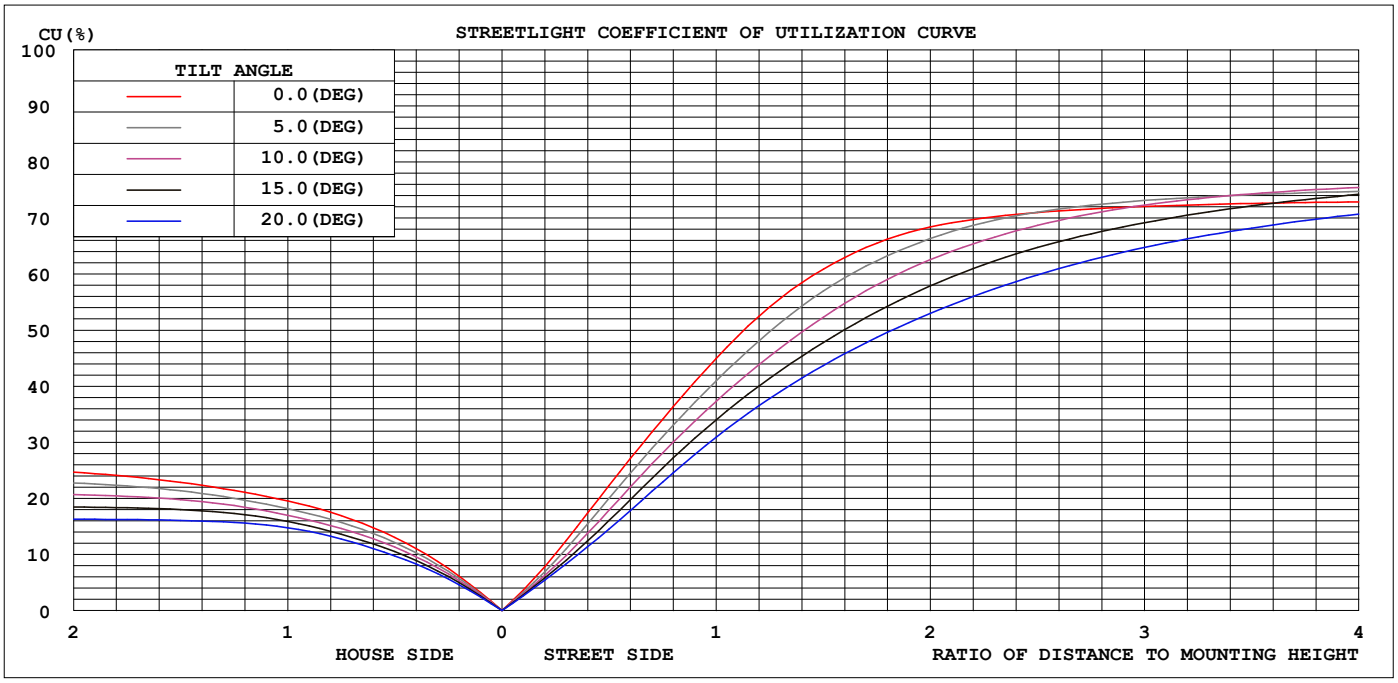
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

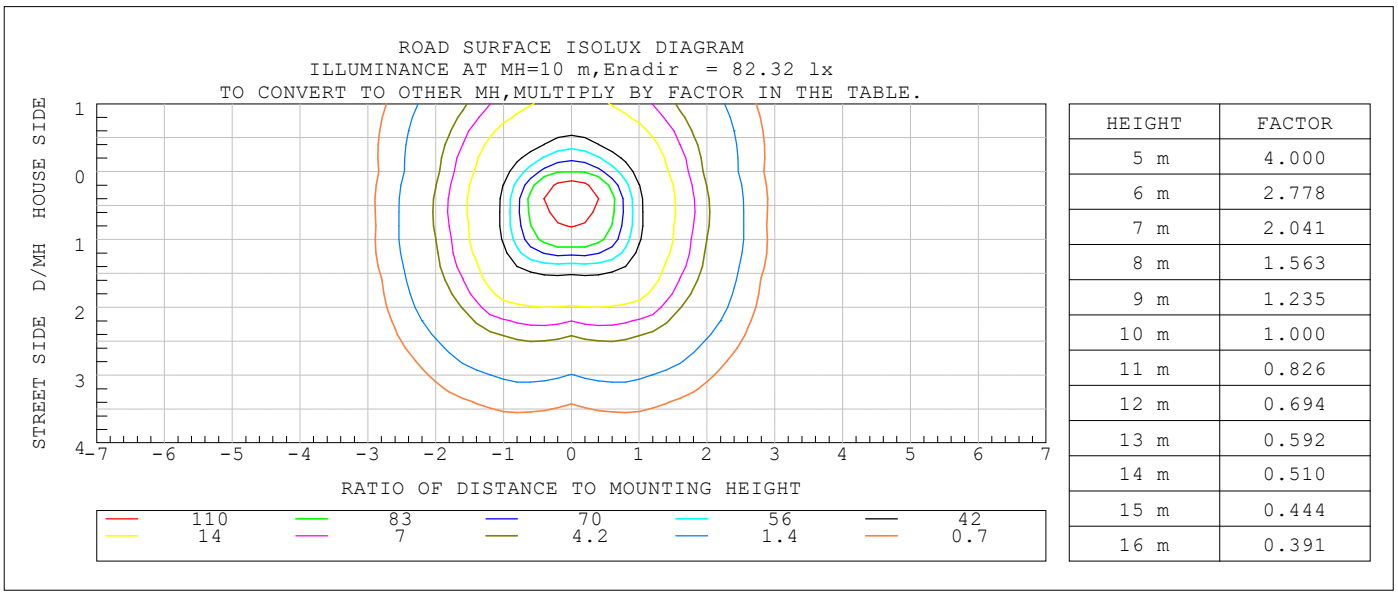
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	30569
90%	27512
80%	24455
70%	21398
60%	18341
50%	15284
40%	12228
30%	9171
20%	6114
10%	3057
5%	1528

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:

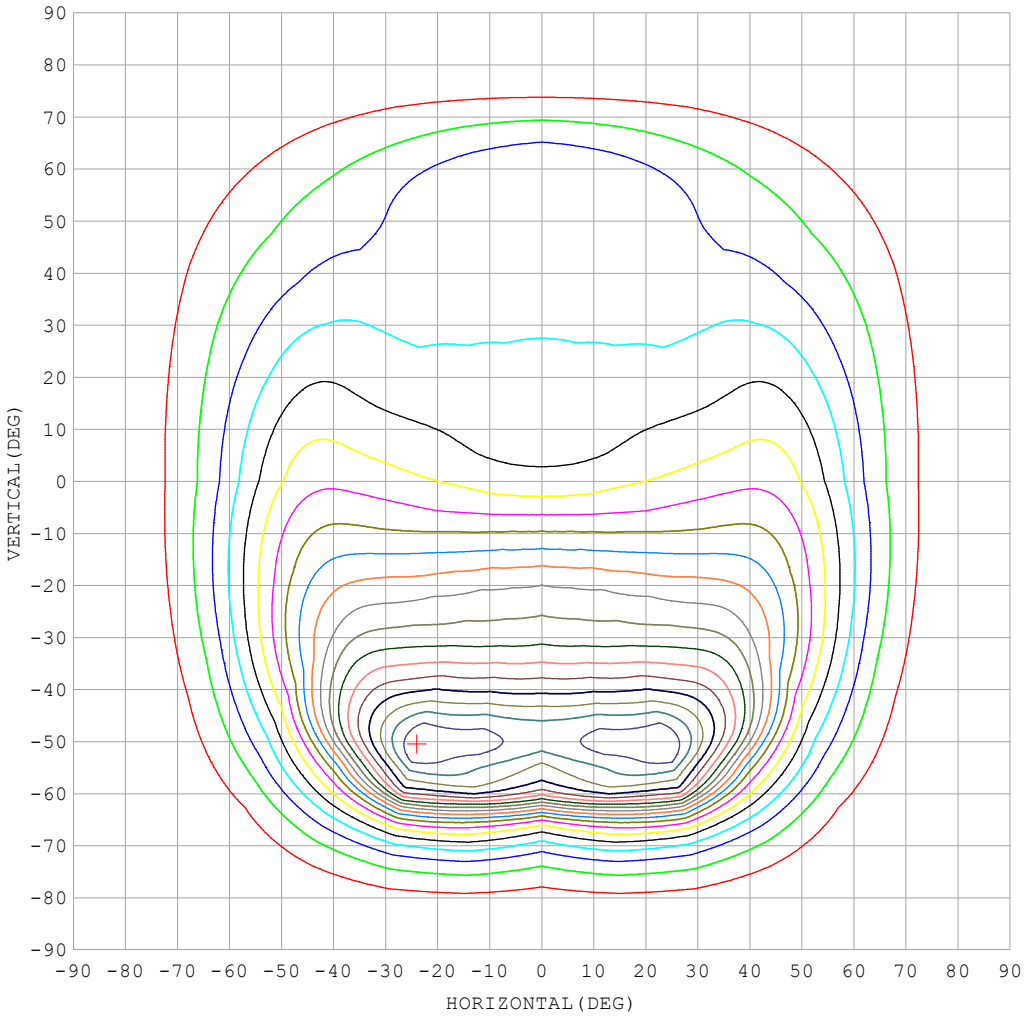
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	863.4	1101	1242	1101	863.4	722.5	711.8	722.5	0- 10	831.7	831.7	1.74,1.74
20	917.1	1414	1682	1414	917.1	704.7	653.3	704.7	10- 20	2813	3644	7.64,7.64
30	978.8	1683	1941	1683	978.8	635.1	602.5	635.1	20- 30	5090	8734	18.3,18.3
40	1036	1932	2403	1932	1036	578.2	563.0	578.2	30- 40	7550	16284	34.1,34.1
50	907.1	2279	2812	2279	907.1	504.4	546.2	504.4	40- 50	10304	26589	55.8,55.8
60	536.8	1892	2187	1892	536.8	397.3	591.7	397.3	50- 60	11415	38003	79.7,79.7
70	203.8	663.3	540.7	663.3	203.8	232.4	281.0	232.4	60- 70	7243	45246	94.9,94.9
80	48.82	107.2	93.19	107.2	48.82	58.21	52.66	58.21	70- 80	2191	47436	99.5,99.5
90	1.503	0.4553	0.5938	0.4553	1.503	6.983	7.786	6.983	80- 90	253.8	47690	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



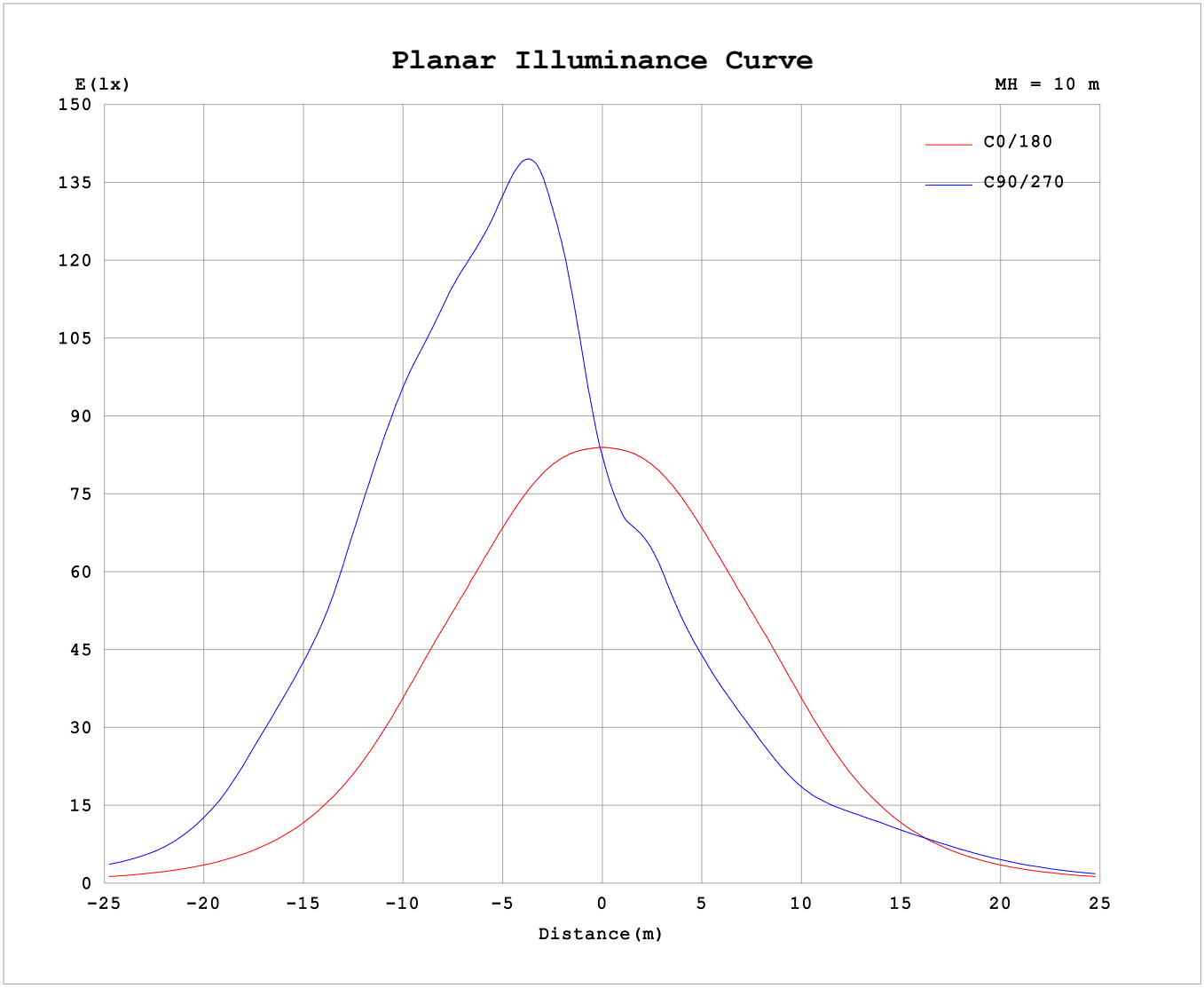
Imax:30565(H-24.0,V-50.5
(At:C=60.0,Gamma=54.5)

UNIT: cd

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



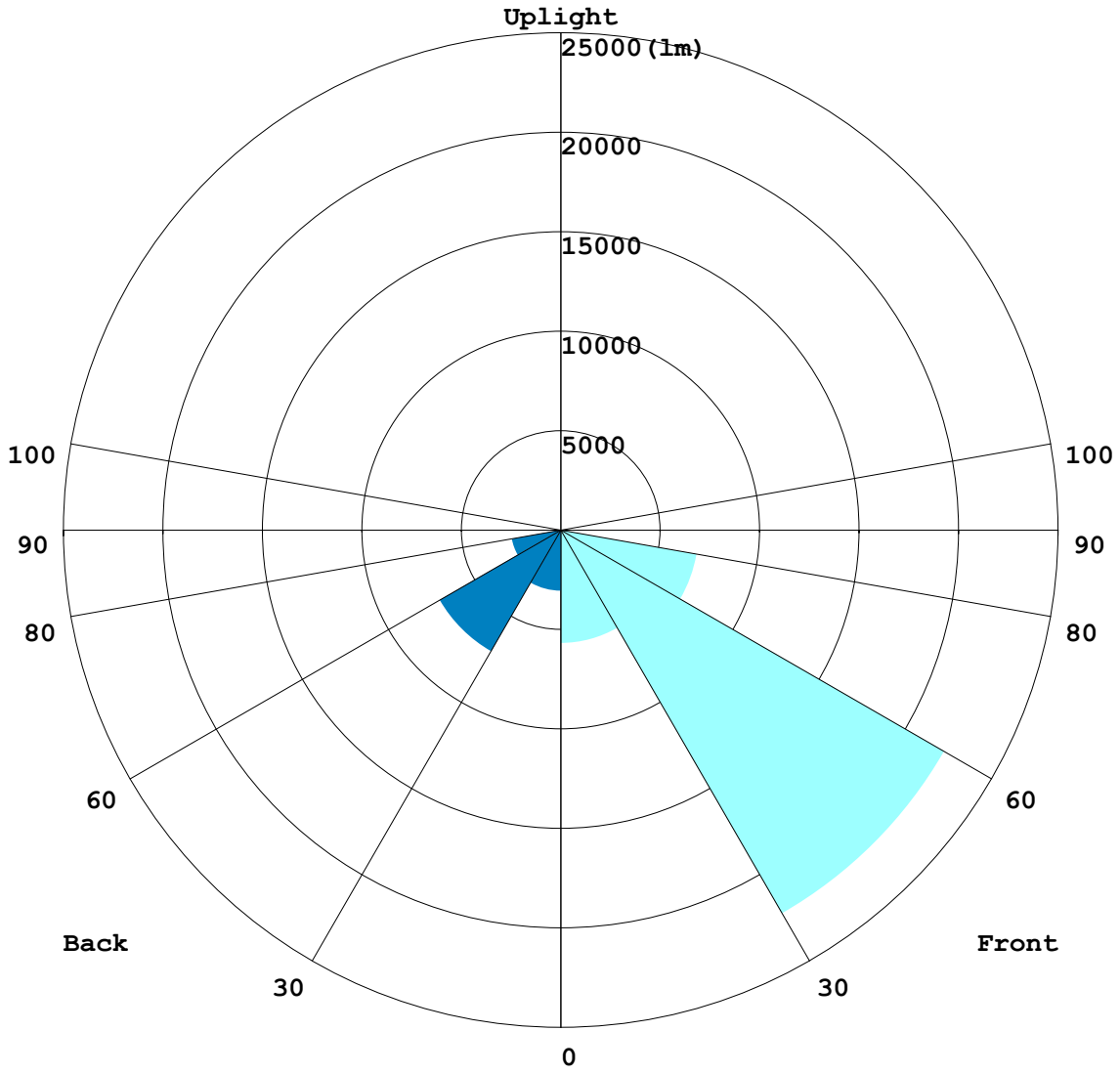
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:47690x1 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:47690x1 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)	5682.5	11.9
FM - Front-Medium(30-60)	22241	46.6
FH - Front-High(60-80)	6933.5	14.5
FVH - Front-Very High(80-90)	145.82	0.3
Total Forward Light	35003	73.4
BL - Back-Low(0-30)	3051.5	6.4
BM - Back-Medium(30-60)	7027.9	14.7
BH - Back-High(60-80)	2499.7	5.2
BVH - Back-Very High(80-90)	107.95	0.2
Total Back Light	12687	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-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12687	0	12687
Street Side	35003	0	35003

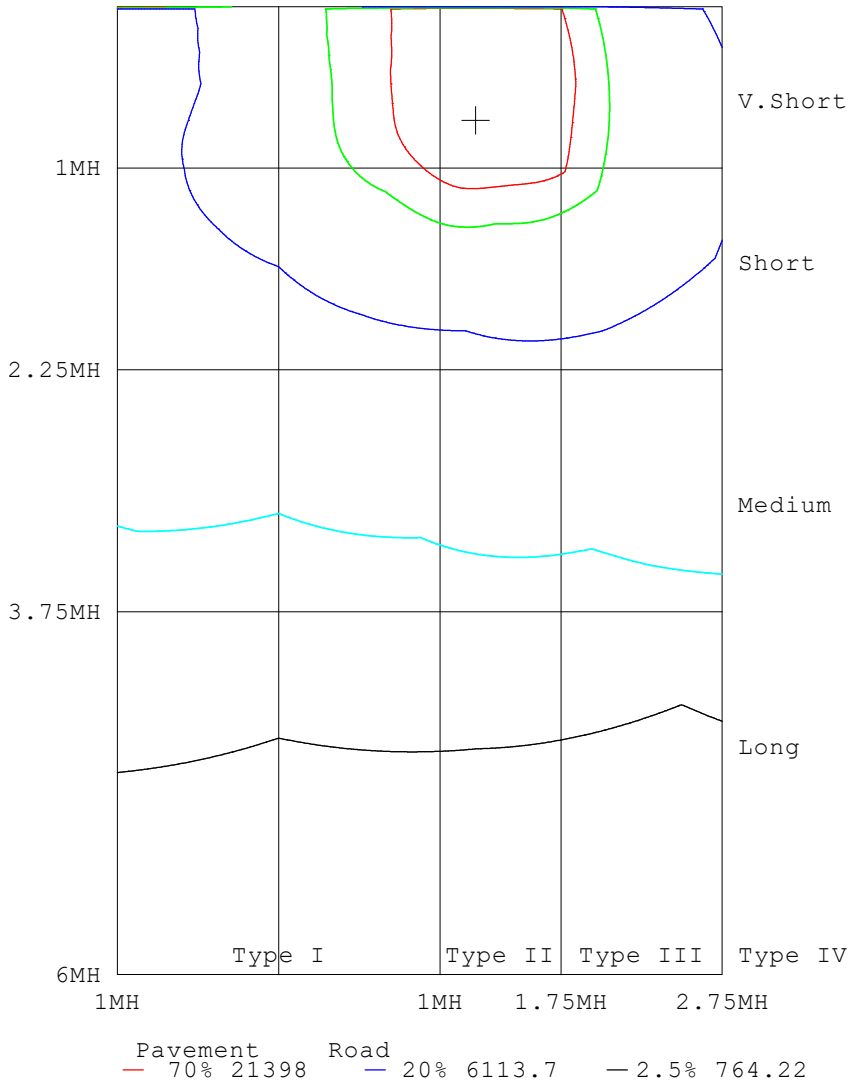
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:47690x1 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	840	824	824	823	824	822	824	822	824	823	824	824	840	824	824	823	824	822	824
5	845	865	905	941	976	994	1005	994	976	941	905	865	845	799	774	753	741	733	731
10	863	923	1012	1101	1178	1223	1242	1223	1178	1101	1012	923	863	789	747	722	715	712	712
15	889	988	1130	1267	1373	1434	1470	1434	1373	1267	1130	988	889	790	744	723	709	701	699
20	917	1056	1247	1414	1565	1644	1682	1644	1565	1414	1247	1056	917	799	748	705	675	657	653
25	948	1125	1352	1561	1715	1785	1816	1785	1715	1561	1352	1125	948	814	735	667	635	622	621
30	979	1194	1453	1683	1829	1902	1941	1902	1829	1683	1453	1194	979	823	709	635	608	601	603
35	1011	1263	1557	1794	1972	2098	2153	2098	1972	1794	1557	1263	1011	826	689	607	585	586	590
40	1036	1319	1648	1932	2213	2365	2403	2365	2213	1932	1648	1319	1036	837	675	578	559	560	563
45	1011	1318	1689	2121	2507	2695	2703	2695	2507	2121	1689	1318	1011	822	657	545	518	519	527
50	907	1221	1632	2279	2871	2951	2812	2951	2871	2279	1632	1221	907	746	602	504	478	520	546
55	739	1029	1421	2283	3056	2808	2553	2808	3056	2283	1421	1029	739	612	509	450	479	559	598
60	537	783	1081	1892	2682	2566	2187	2566	2682	1892	1081	783	537	463	406	397	468	542	592
65	343	510	720	1166	1875	1478	1089	1478	1875	1166	720	510	343	335	313	332	380	427	463
70	204	267	418	663	860	764	541	764	860	663	418	267	204	223	219	232	252	271	281
75	111	126	172	308	395	371	259	371	395	308	172	126	111	128	128	133	133	129	125
80	48.8	52.3	55.2	107	146	137	93.2	137	146	107	55.2	52.3	48.8	57.2	56.1	58.2	57.4	54.9	52.7
85	10.8	10.9	10.3	15.6	23.3	22.7	16.2	22.7	23.3	15.6	10.3	10.9	10.8	13.2	13.4	14.3	14.8	14.9	14.7
90	1.50	0.37	0.40	0.46	0.51	0.57	0.59	0.57	0.51	0.46	0.40	0.37	1.50	3.33	4.90	6.98	8.26	8.19	7.79

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	822	824	823	824	824														
5	733	741	753	774	799														
10	712	715	722	747	789														
15	701	709	723	744	790														
20	657	675	705	748	799														
25	622	635	667	735	814														
30	601	608	635	709	823														
35	586	585	607	689	826														
40	560	559	578	675	837														
45	519	518	545	657	822														
50	520	478	504	602	746														
55	559	479	450	509	612														
60	542	468	397	406	463														
65	427	380	332	313	335														
70	271	252	232	219	223														
75	129	133	133	128	128														
80	54.9	57.4	58.2	56.1	57.2														
85	14.9	14.8	14.3	13.4	13.2														
90	8.19	8.26	6.98	4.90	3.33														

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: