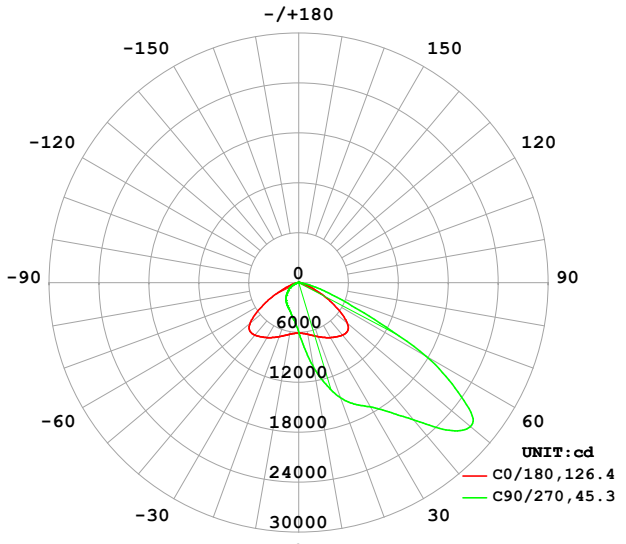
STREETLIGHT PHOTOMETRIC TEST REPORT

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:37969.5x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

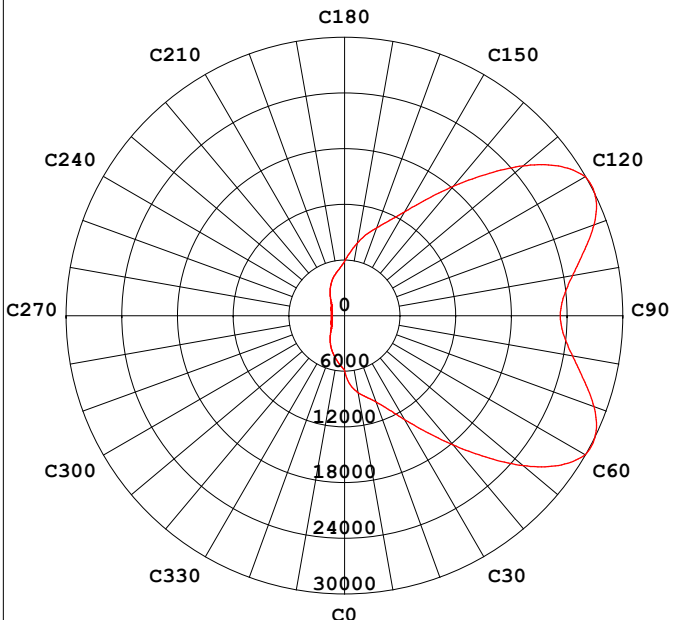
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 126.10 lm/W	
MODEL	/	Imax(cd)	29946	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	37969	η house_up(%)	0.0
NOMINAL FLUX(lm)	37969.5	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):85.9 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

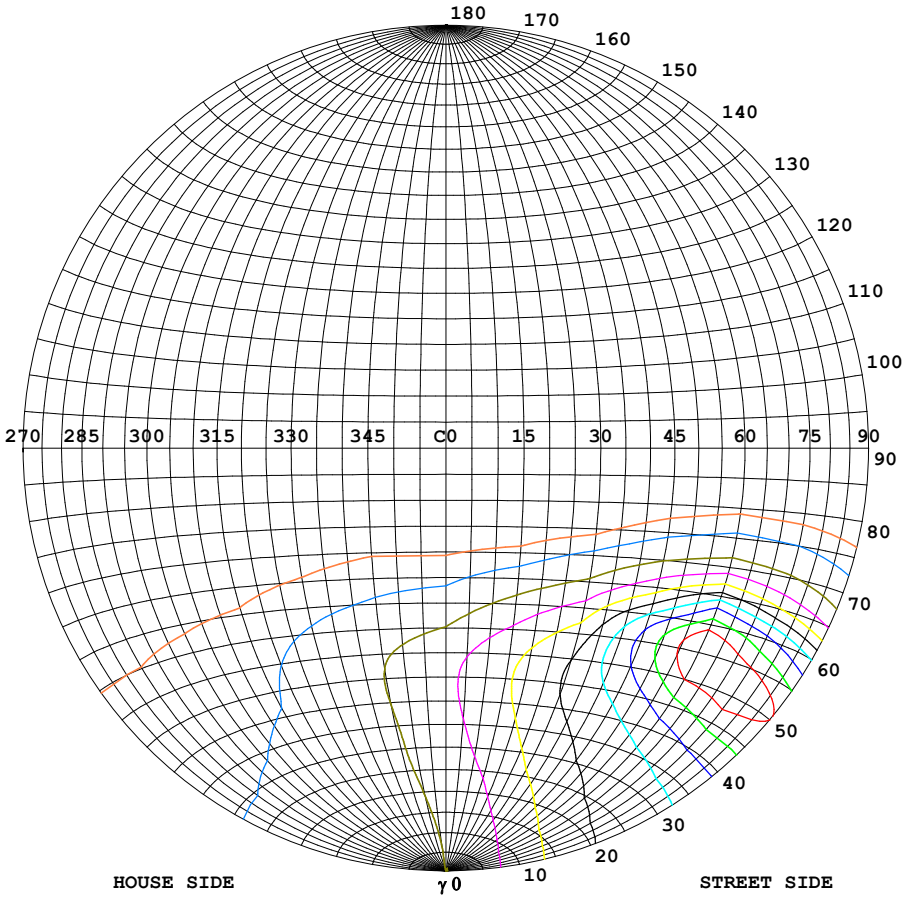


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

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:

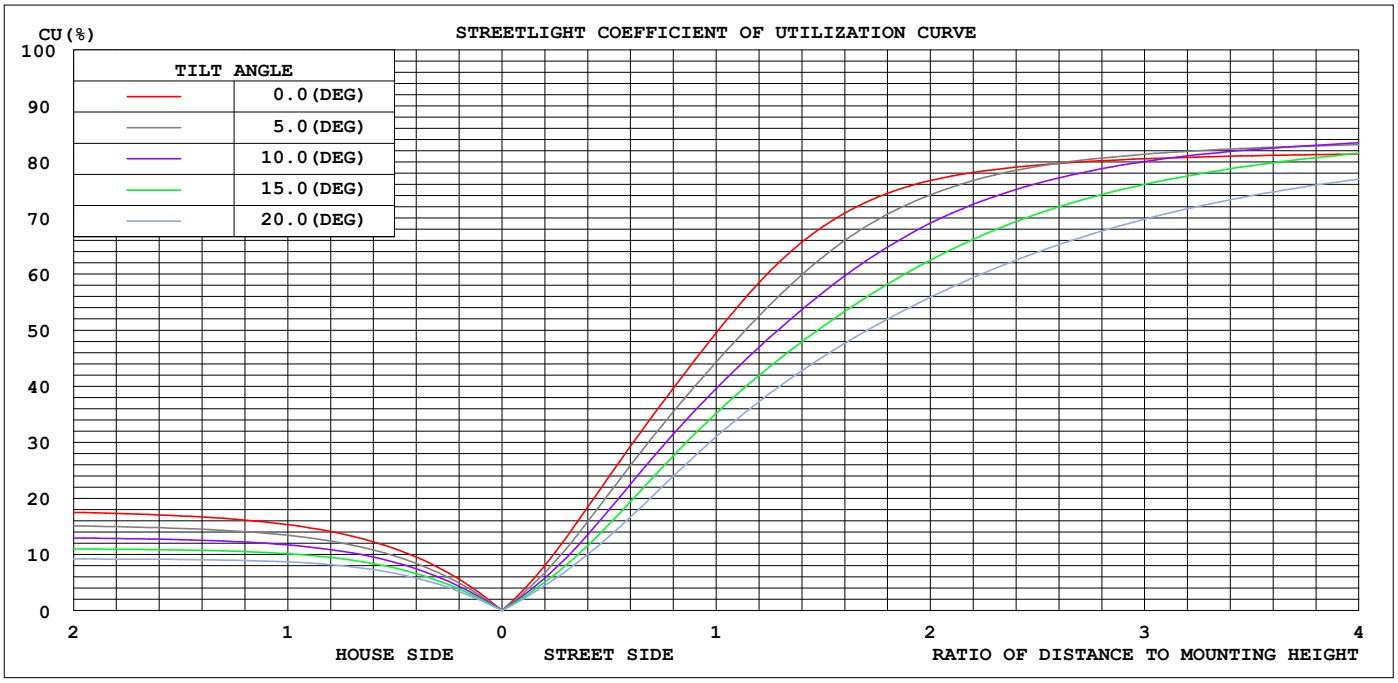
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

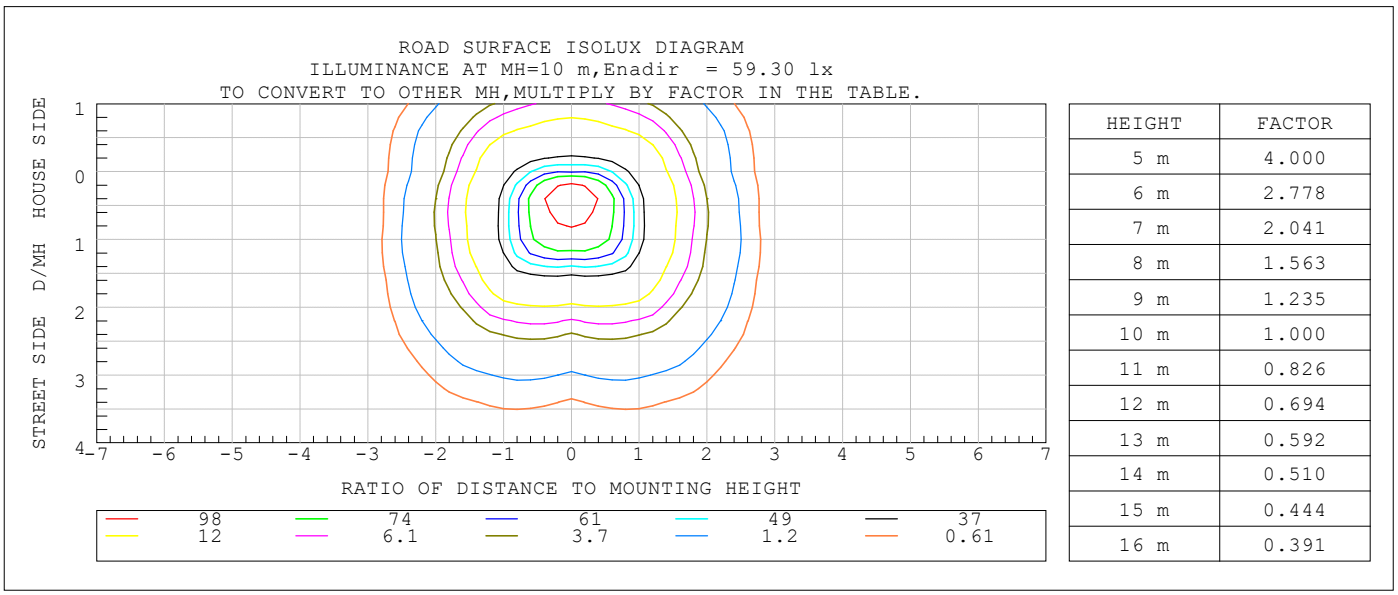
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	29946
90%	26952
80%	23957
70%	20962
60%	17968
50%	14973
40%	11979
30%	8984
20%	5989
10%	2995
5%	1497

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:

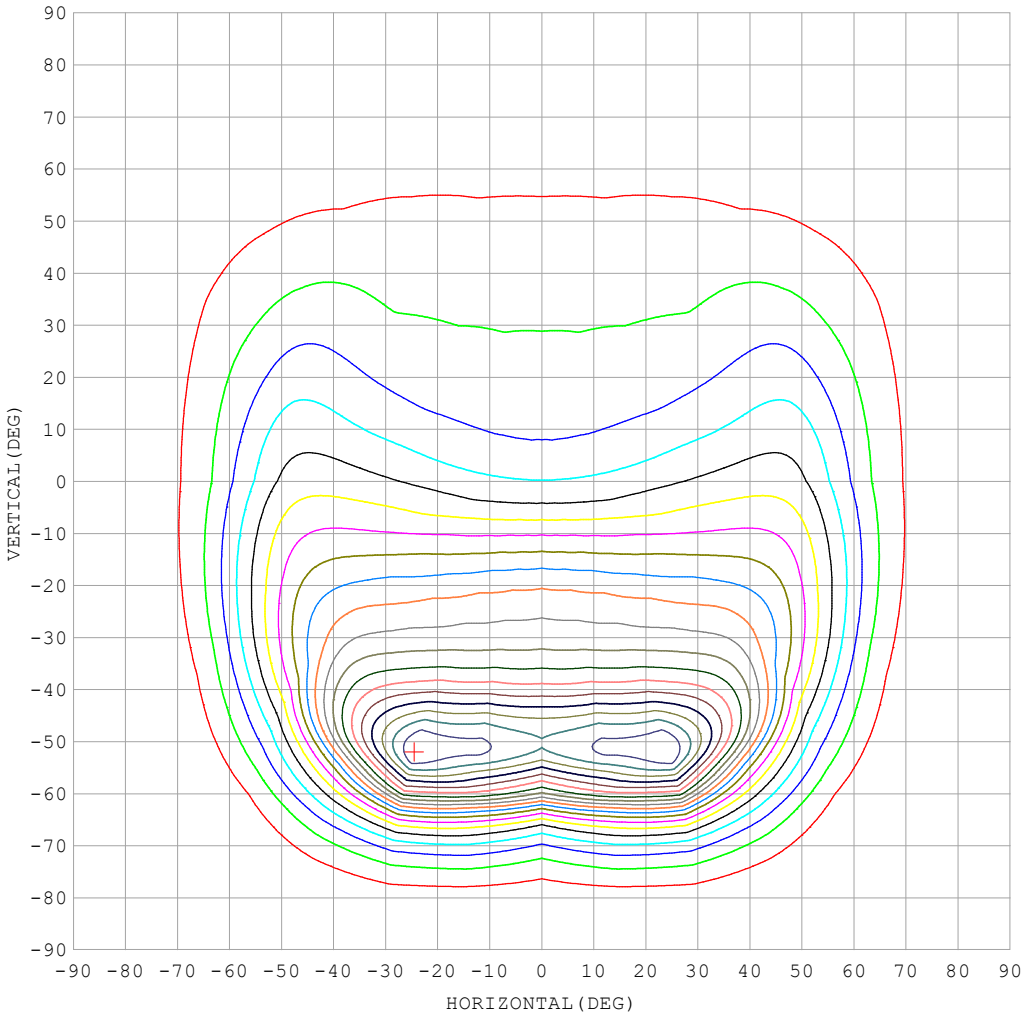
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	632.1	881.7	1029	881.7	632.1	464.5	427.2	464.5	0- 10	607.8	607.8	1.6,1.6
20	692.4	1216	1473	1216	692.4	399.0	341.9	399.0	10- 20	2116	2724	7.17,7.17
30	763.9	1485	1727	1485	763.9	355.7	292.6	355.7	20- 30	3977	6701	17.6,17.6
40	824.4	1713	2156	1713	824.4	308.3	239.0	308.3	30- 40	6019	12720	33.5,33.5
50	766.5	2084	2695	2084	766.5	254.8	176.6	254.8	40- 50	8544	21263	56,56
60	423.1	1811	1770	1811	423.1	161.7	118.3	161.7	50- 60	9669	30933	81.5,81.5
70	136.5	586.3	429.0	586.3	136.5	73.74	56.42	73.74	60- 70	5449	36381	95.8,95.8
80	31.37	76.05	55.34	76.05	31.37	20.59	16.14	20.59	70- 80	1453	37835	99.6,99.6
90	1.045	0.2251	0.2655	0.2251	1.045	6.132	6.423	6.132	80- 90	134.7	37969	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



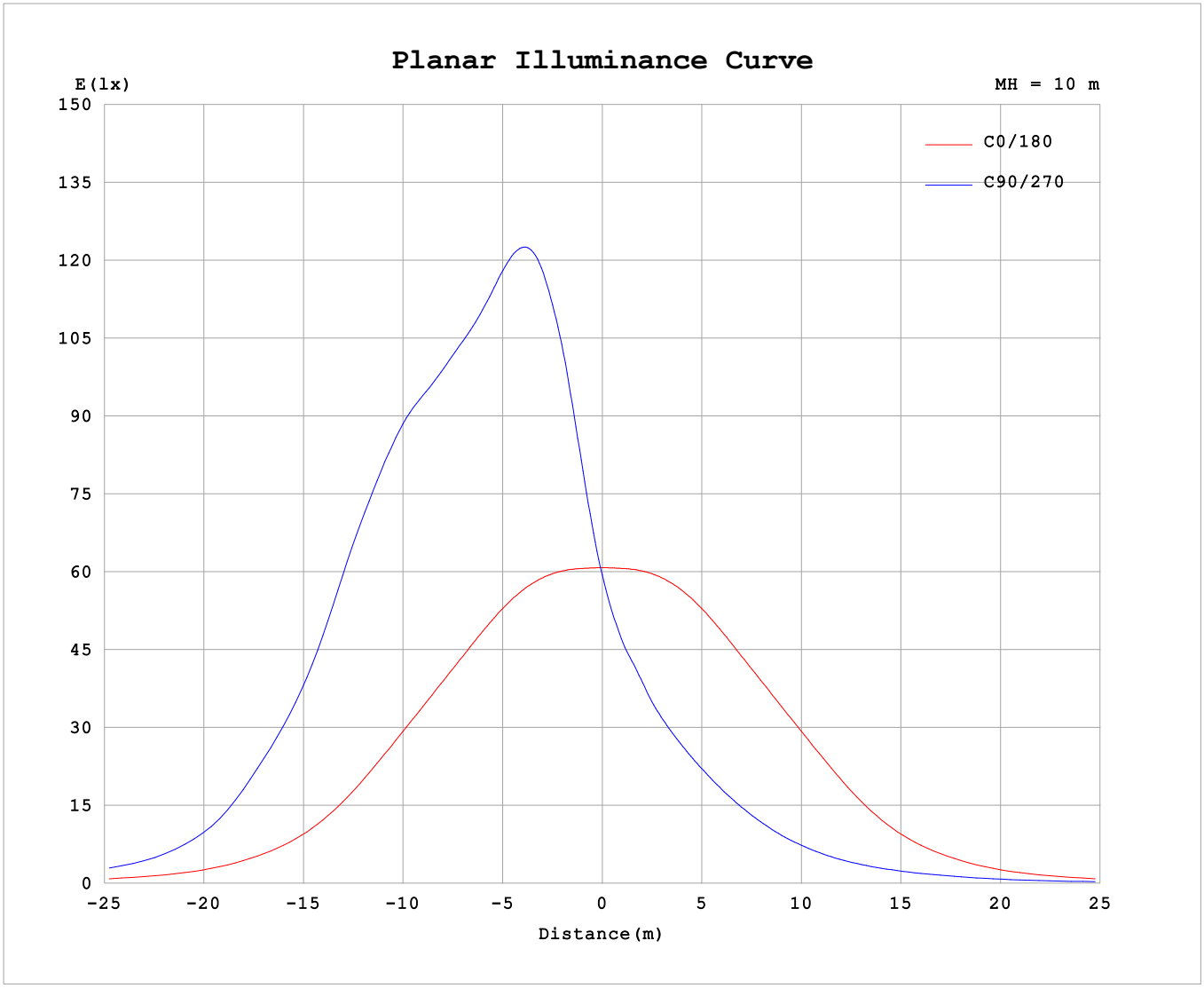
Imax:29866(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

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



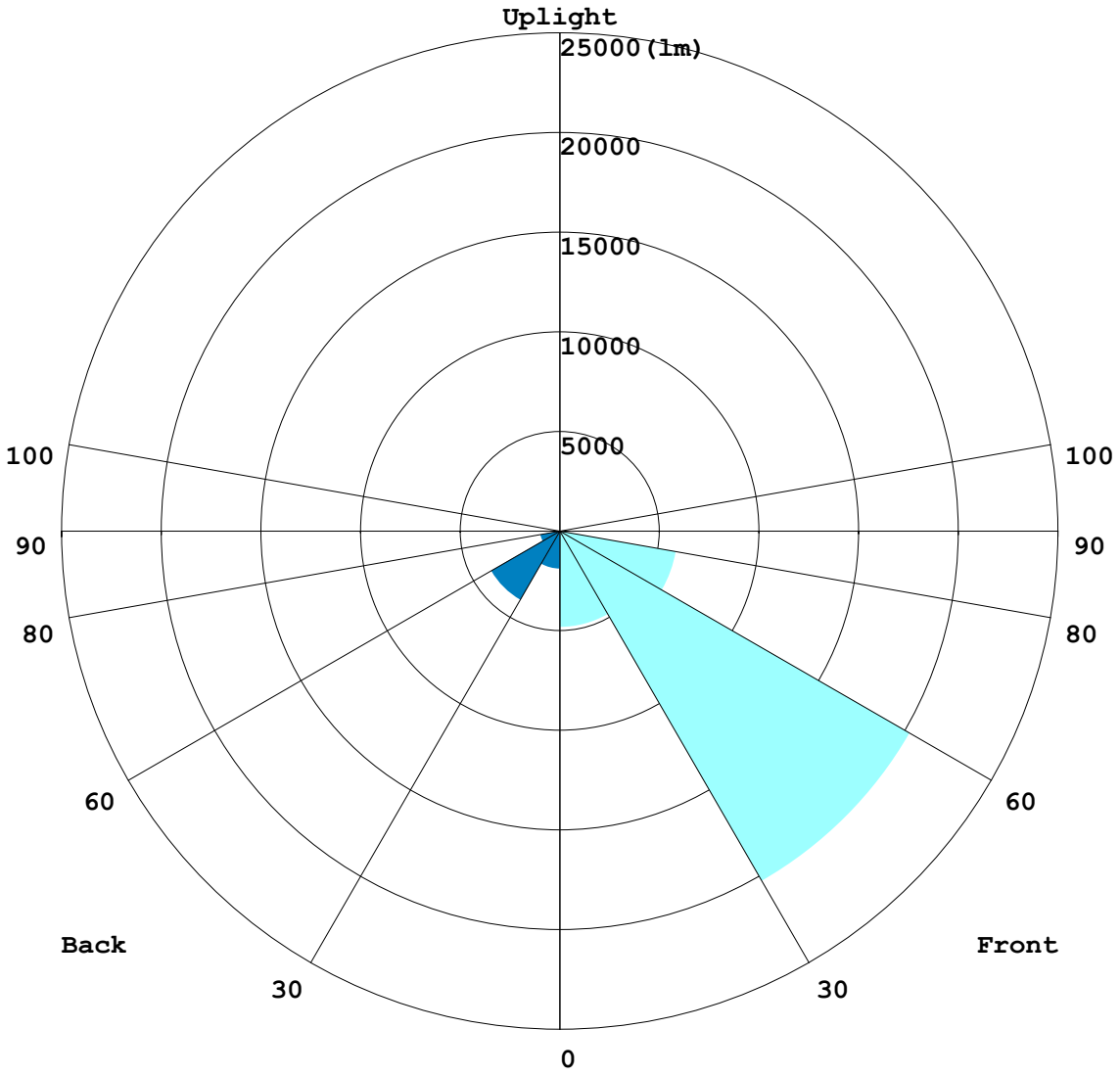
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:37969.5x1 lm		
NAME: FL72-300(300W)-F04803-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:37969.5x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4811.7	12.7
FM - Front-Medium(30-60)	20260	53.4
FH - Front-High(60-80)	5915.4	15.6
FVH - Front-Very High(80-90)	82.536	0.2
Total Forward Light	31070	81.8
BL - Back-Low(0-30)	1888.8	5.0
BM - Back-Medium(30-60)	3972.3	10.5
BH - Back-High(60-80)	986.57	2.6
BVH - Back-Very High(80-90)	52.185	0.1
Total Back Light	6899.9	18.2
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	6899.9	0	6899.9
Street Side	31070	0	31070

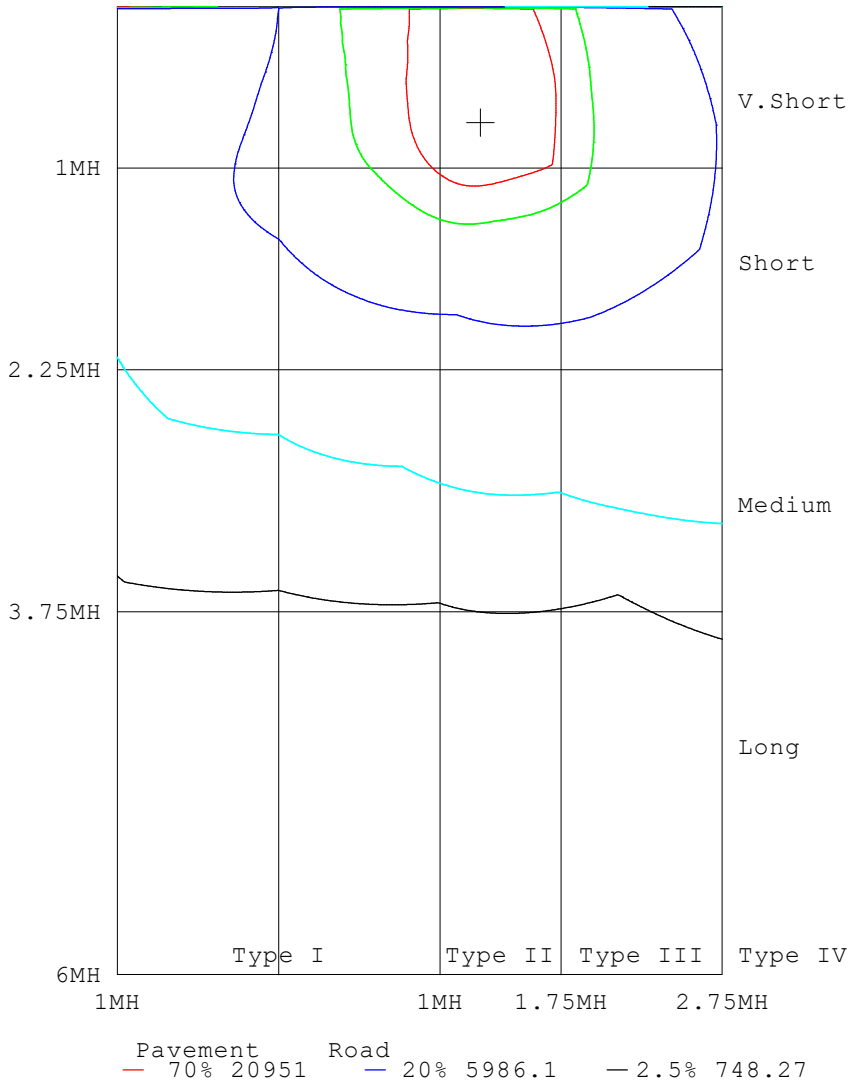
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:37969.5x1 lm		
NAME: FL72-300(300W)-F04803-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	608	593	594	593	594	592	594	592	594	593	594	593	608	593	594	593	594	592	594
5	614	638	680	717	753	772	782	772	753	717	680	638	614	565	537	513	498	488	486
10	632	698	791	882	962	1008	1029	1008	962	882	791	698	632	552	501	465	444	430	427
15	659	767	917	1059	1170	1237	1266	1237	1170	1059	917	767	659	550	483	433	398	378	375
20	692	844	1046	1216	1358	1441	1473	1441	1358	1216	1046	844	692	557	469	399	364	346	342
25	729	922	1163	1362	1509	1586	1614	1586	1509	1362	1163	922	729	569	451	377	339	320	316
30	764	999	1271	1485	1625	1698	1727	1698	1625	1485	1271	999	764	579	439	356	316	296	293
35	796	1068	1371	1594	1750	1861	1900	1861	1750	1594	1371	1068	796	586	427	333	291	270	267
40	824	1128	1459	1713	1961	2121	2156	2121	1961	1713	1459	1128	824	600	419	308	263	243	239
45	829	1156	1515	1885	2274	2499	2504	2499	2274	1885	1515	1156	829	605	409	284	234	212	208
50	767	1106	1490	2084	2698	2825	2695	2825	2698	2084	1490	1106	767	569	380	255	203	181	177
55	607	932	1319	2163	2991	2721	2383	2721	2991	2163	1319	932	607	458	322	212	171	151	147
60	423	688	999	1811	2551	2178	1770	2178	2551	1811	999	688	423	327	241	162	137	122	118
65	249	421	638	1082	1647	1225	873	1225	1647	1082	638	421	249	228	162	112	98.2	87.2	83.6
70	136	191	347	586	770	632	429	632	770	586	347	191	136	138	100	73.7	64.2	58.2	56.4
75	70.6	79.0	115	255	346	299	195	299	346	255	115	79.0	70.6	73.3	56.9	43.4	38.7	35.2	34.7
80	31.4	31.9	30.1	76.0	113	91.2	55.3	91.2	113	76.0	30.1	31.9	31.4	32.3	25.5	20.6	17.7	16.2	16.1
85	6.86	5.84	4.22	6.09	6.41	5.06	4.38	5.06	6.41	6.09	4.22	5.84	6.86	7.60	6.94	7.10	7.70	7.57	7.36
90	1.04	0.22	0.22	0.23	0.24	0.25	0.27	0.25	0.24	0.23	0.22	0.22	1.04	2.59	4.15	6.13	7.23	6.94	6.42

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	592	594	593	594	593														
5	488	498	513	537	565														
10	430	444	465	501	552														
15	378	398	433	483	550														
20	346	364	399	469	557														
25	320	339	377	451	569														
30	296	316	356	439	579														
35	270	291	333	427	586														
40	243	263	308	419	600														
45	212	234	284	409	605														
50	181	203	255	380	569														
55	151	171	212	322	458														
60	122	137	162	241	327														
65	87.2	98.2	112	162	228														
70	58.2	64.2	73.7	100	138														
75	35.2	38.7	43.4	56.9	73.3														
80	16.2	17.7	20.6	25.5	32.3														
85	7.57	7.70	7.10	6.94	7.60														
90	6.94	7.23	6.13	4.15	2.59														

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: