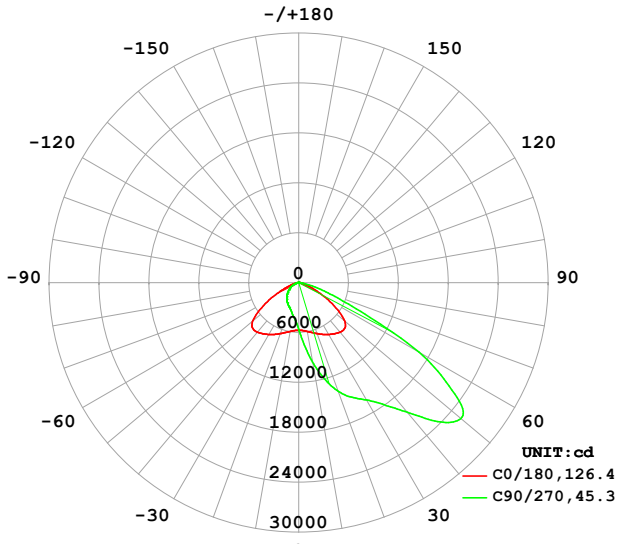
STREETLIGHT PHOTOMETRIC TEST REPORT

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:35836.4x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

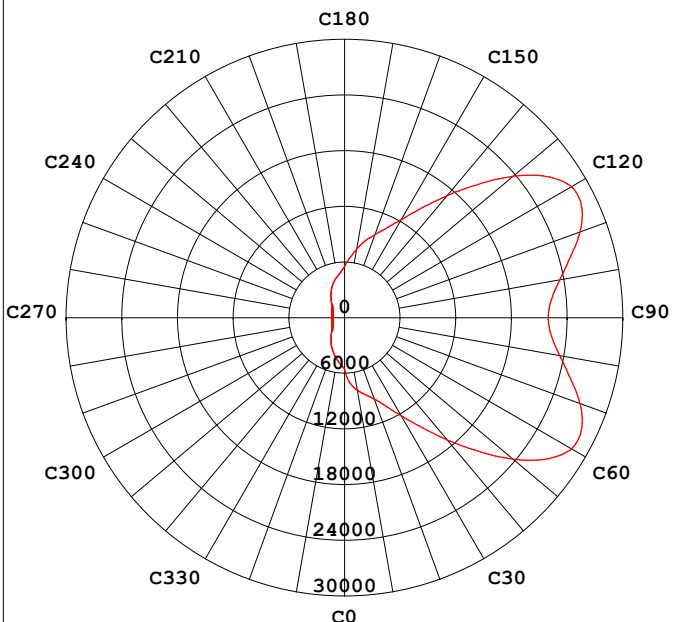
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 119.02 lm/W	
MODEL	/	Imax(cd)	28264	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	35836	η house_up(%)	0.0
NOMINAL FLUX(lm)	35836.4	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 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

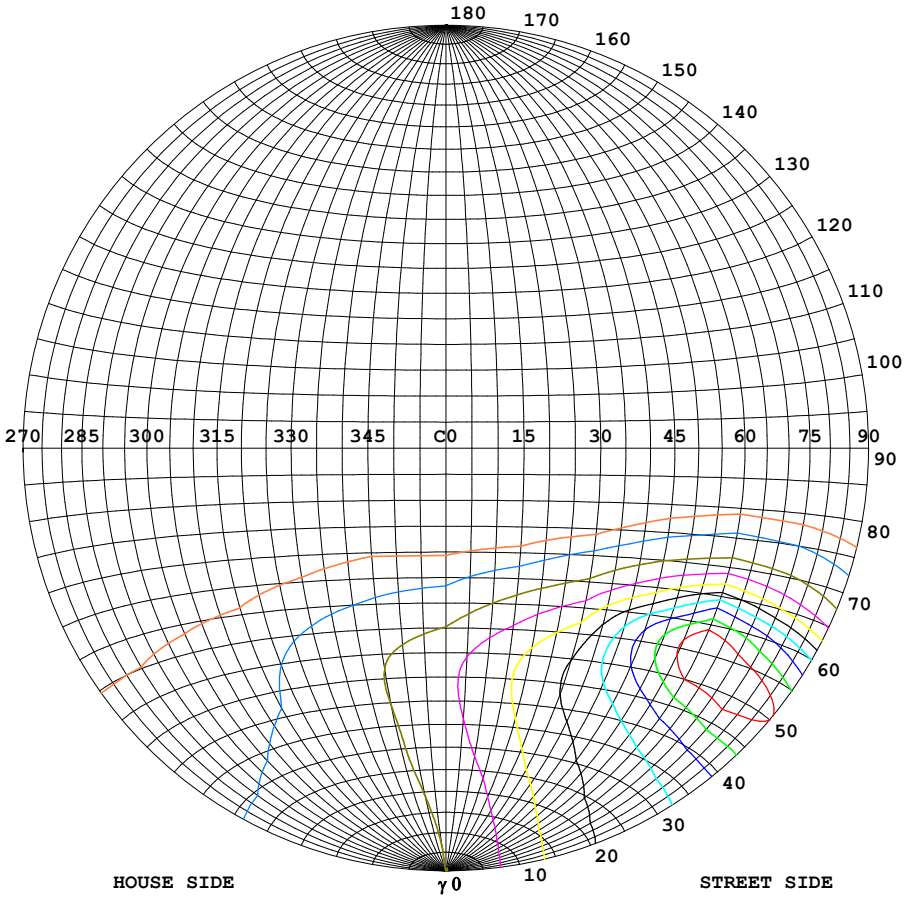


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

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:

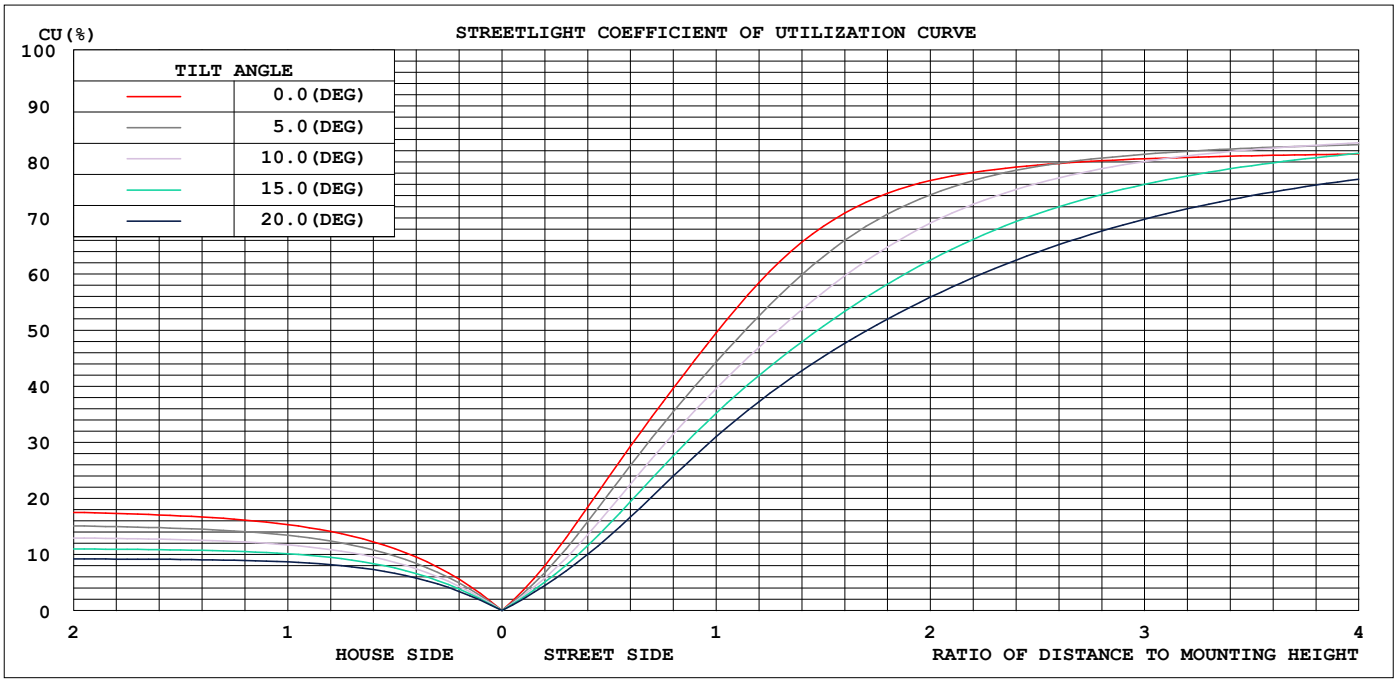
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

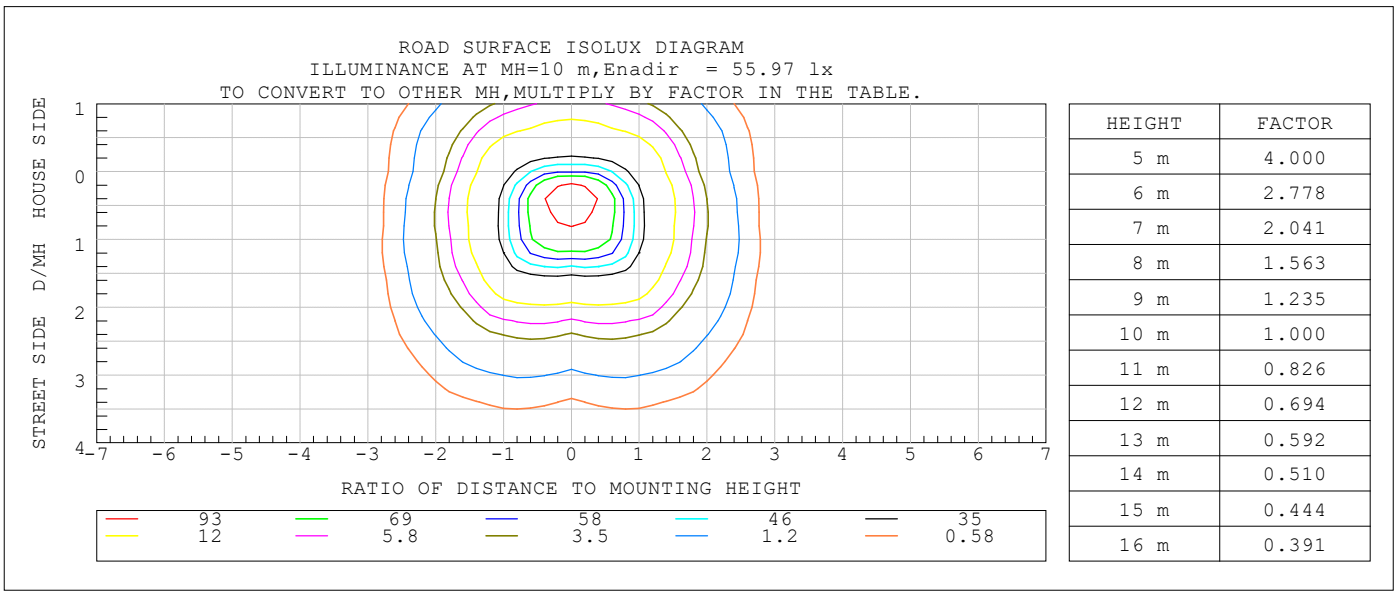
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	28264
90%	25438
80%	22611
70%	19785
60%	16958
50%	14132
40%	11306
30%	8479
20%	5653
10%	2826
5%	1413

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:

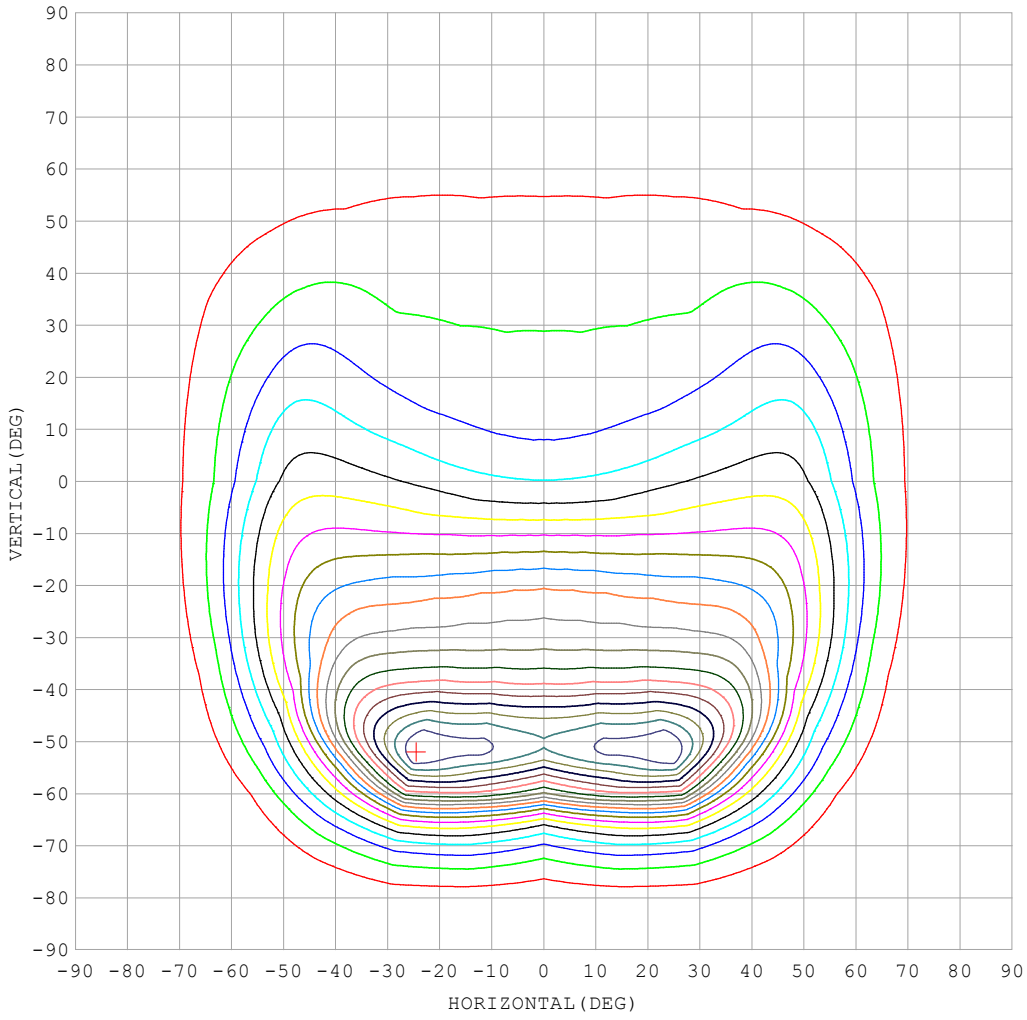
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	596.6	832.1	971.3	832.1	596.6	438.4	403.2	438.4	0- 10	573.6	573.6	1.6,1.6
20	653.5	1148	1390	1148	653.5	376.6	322.7	376.6	10- 20	1997	2571	7.17,7.17
30	721.0	1402	1630	1402	721.0	335.7	276.2	335.7	20- 30	3754	6324	17.6,17.6
40	778.1	1617	2035	1617	778.1	291.0	225.6	291.0	30- 40	5681	12005	33.5,33.5
50	723.5	1966	2544	1966	723.5	240.5	166.7	240.5	40- 50	8064	20069	56,56
60	399.3	1709	1670	1709	399.3	152.6	111.6	152.6	50- 60	9126	29195	81.5,81.5
70	128.8	553.3	404.9	553.3	128.8	69.60	53.25	69.60	60- 70	5143	34338	95.8,95.8
80	29.61	71.78	52.23	71.78	29.61	19.43	15.23	19.43	70- 80	1372	35709	99.6,99.6
90	0.9862	0.2125	0.2506	0.2125	0.9862	5.788	6.062	5.788	80- 90	127.2	35836	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



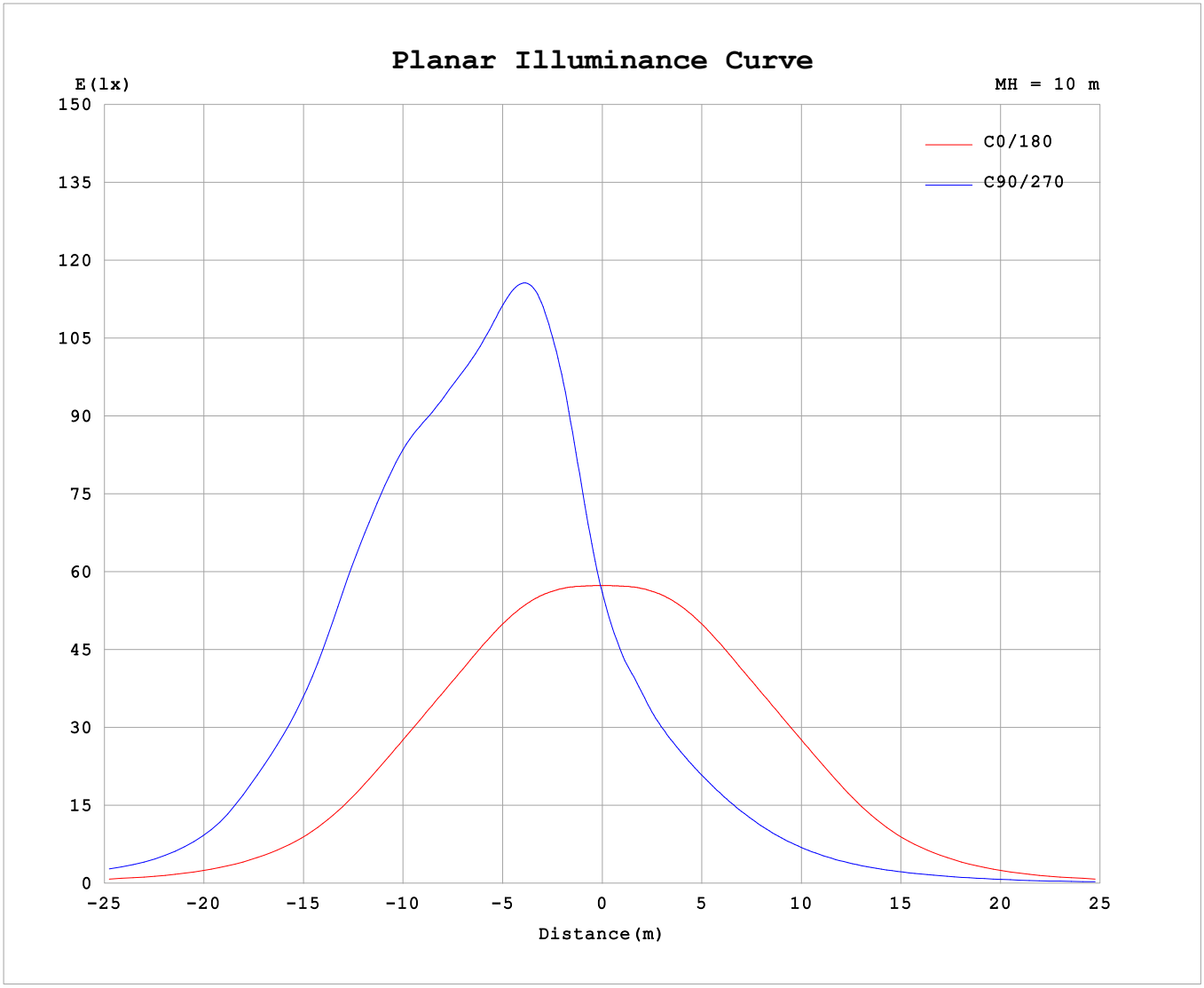
Imax:28188(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

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



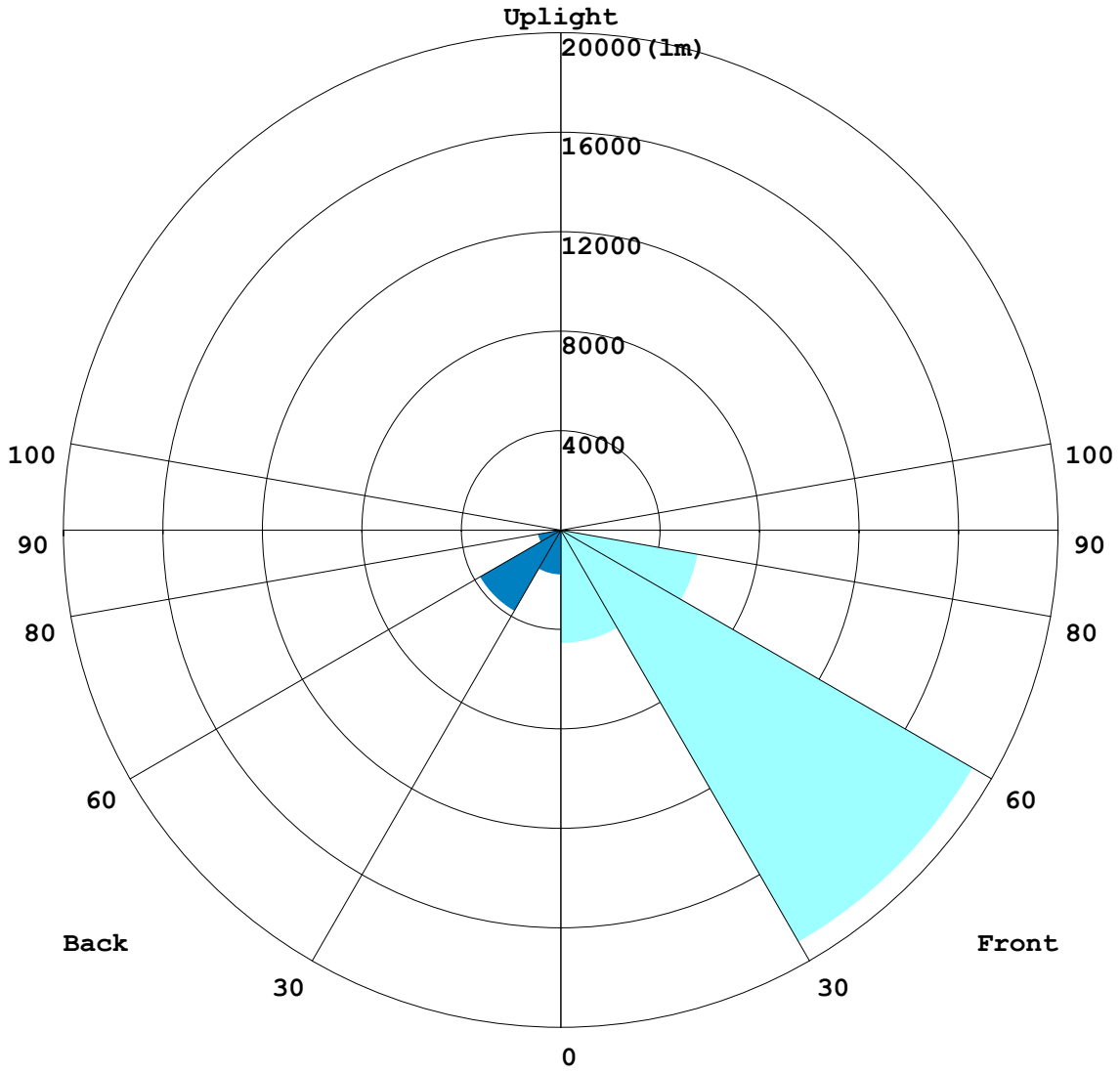
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:35836.4x1 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:35836.4x1 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)	4541.4	12.7
FM - Front-Medium(30-60)	19122	53.4
FH - Front-High(60-80)	5583.1	15.6
FVH - Front-Very High(80-90)	77.9	0.2
Total Forward Light	29324	81.8
BL - Back-Low(0-30)	1782.7	5.0
BM - Back-Medium(30-60)	3749.2	10.5
BH - Back-High(60-80)	931.15	2.6
BVH - Back-Very High(80-90)	49.253	0.1
Total Back Light	6512.3	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	6512.3	0	6512.3
Street Side	29324	0	29324

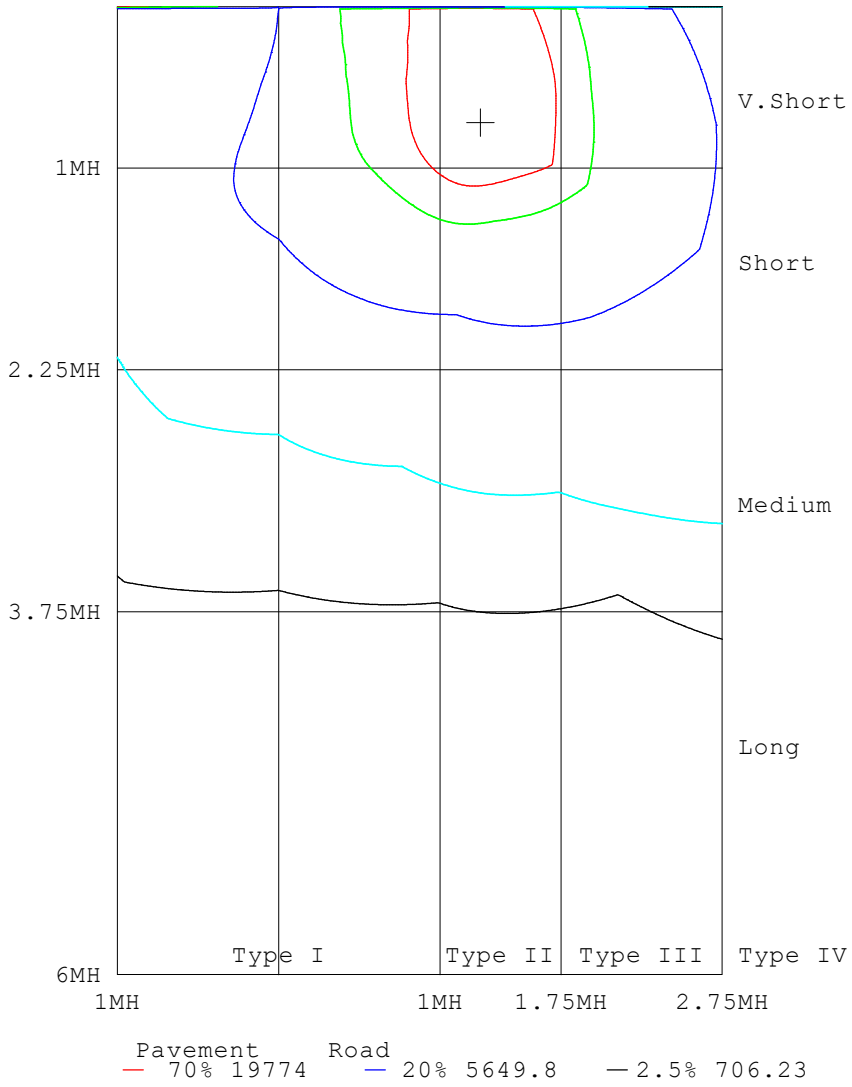
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:35836.4x1 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	574	560	561	559	561	559	561	559	561	559	561	560	574	560	561	559	561	559	561
5	579	602	642	677	711	728	738	728	711	677	642	602	579	533	506	484	470	460	459
10	597	658	747	832	908	952	971	952	908	832	747	658	597	521	473	438	419	406	403
15	622	724	865	1000	1104	1168	1195	1168	1104	1000	865	724	622	519	456	409	375	357	354
20	654	796	987	1148	1282	1360	1390	1360	1282	1148	987	796	654	525	443	377	344	326	323
25	688	870	1098	1285	1424	1497	1523	1497	1424	1285	1098	870	688	537	426	355	320	302	299
30	721	943	1200	1402	1534	1603	1630	1603	1534	1402	1200	943	721	546	414	336	298	279	276
35	751	1008	1294	1504	1652	1757	1793	1757	1652	1504	1294	1008	751	553	403	315	274	255	252
40	778	1064	1377	1617	1851	2002	2035	2002	1851	1617	1377	1064	778	566	395	291	248	229	226
45	782	1091	1430	1779	2146	2358	2363	2358	2146	1779	1430	1091	782	571	386	268	220	200	196
50	723	1044	1407	1966	2547	2667	2544	2667	2547	1966	1407	1044	723	537	358	241	192	171	167
55	573	880	1245	2042	2823	2568	2249	2568	2823	2042	1245	880	573	432	304	200	162	142	139
60	399	650	943	1709	2408	2056	1670	2056	2408	1709	943	650	399	308	228	153	129	115	112
65	235	398	602	1022	1555	1156	824	1156	1555	1022	602	398	235	215	153	106	92.7	82.3	78.9
70	129	180	328	553	727	597	405	597	727	553	328	180	129	130	94.4	69.6	60.6	54.9	53.3
75	66.6	74.6	109	240	326	282	184	282	326	240	109	74.6	66.6	69.2	53.7	40.9	36.5	33.3	32.7
80	29.6	30.1	28.4	71.8	106	86.1	52.2	86.1	106	71.8	28.4	30.1	29.6	30.5	24.1	19.4	16.7	15.3	15.2
85	6.48	5.51	3.98	5.75	6.05	4.78	4.14	4.78	6.05	5.75	3.98	5.51	6.48	7.18	6.55	6.70	7.27	7.15	6.95
90	0.99	0.21	0.20	0.21	0.23	0.24	0.25	0.24	0.23	0.21	0.20	0.21	0.99	2.45	3.92	5.79	6.83	6.55	6.06

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	559	561	559	561	560														
5	460	470	484	506	533														
10	406	419	438	473	521														
15	357	375	409	456	519														
20	326	344	377	443	525														
25	302	320	355	426	537														
30	279	298	336	414	546														
35	255	274	315	403	553														
40	229	248	291	395	566														
45	200	220	268	386	571														
50	171	192	241	358	537														
55	142	162	200	304	432														
60	115	129	153	228	308														
65	82.3	92.7	106	153	215														
70	54.9	60.6	69.6	94.4	130														
75	33.3	36.5	40.9	53.7	69.2														
80	15.3	16.7	19.4	24.1	30.5														
85	7.15	7.27	6.70	6.55	7.18														
90	6.55	6.83	5.79	3.92	2.45														

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: