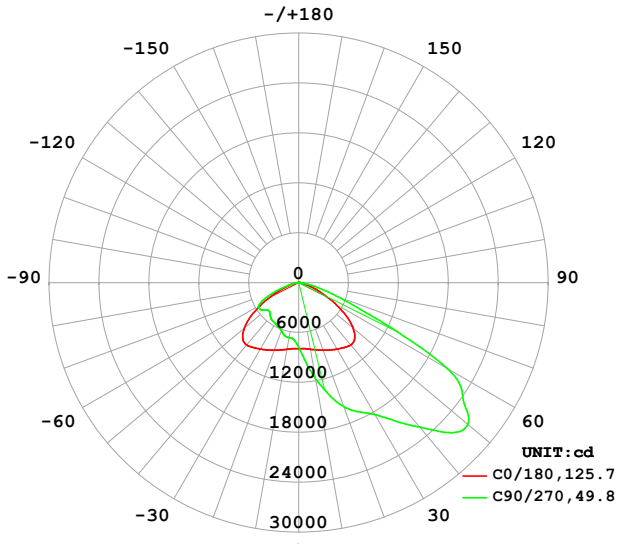
STREETLIGHT PHOTOMETRIC TEST REPORT

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:45010.9x1 lm		
NAME: FL72-300(300W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

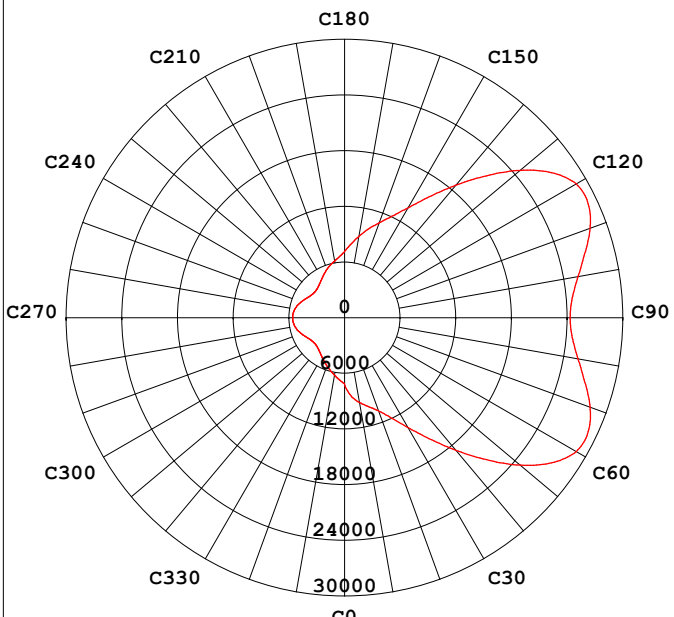
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 149.49 lm/W	
MODEL	/	Imax(cd)	28852	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	45011	η house_up(%)	0.0
NOMINAL FLUX(lm)	45010.9	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

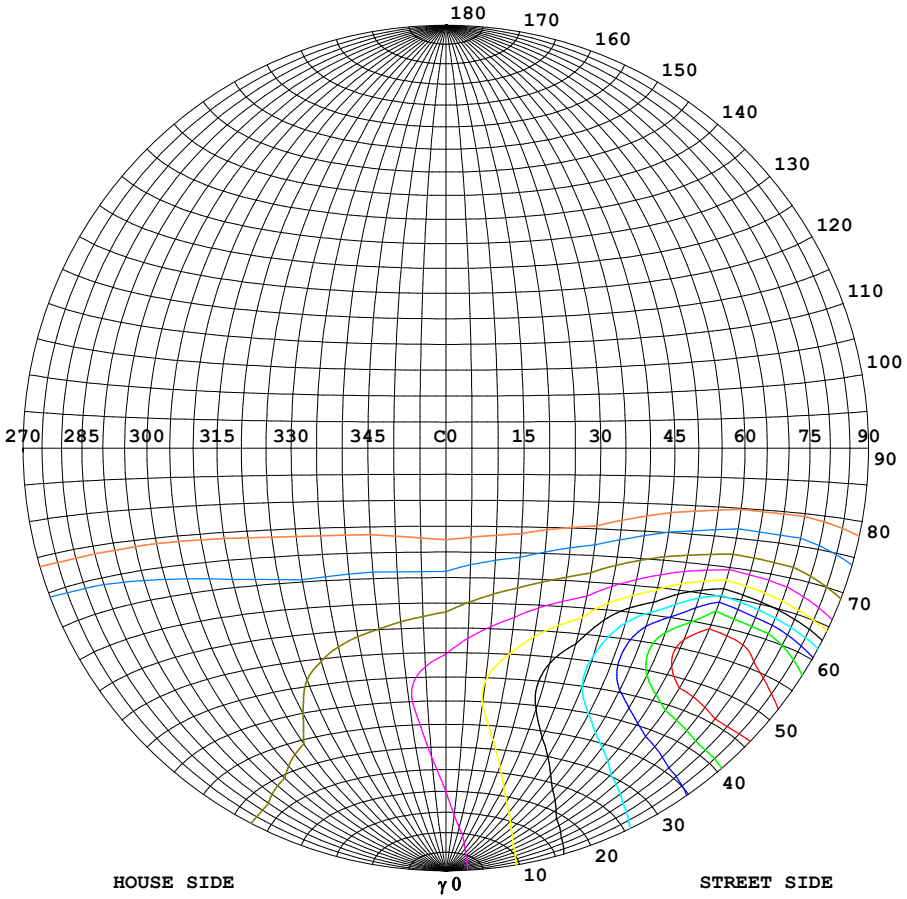


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

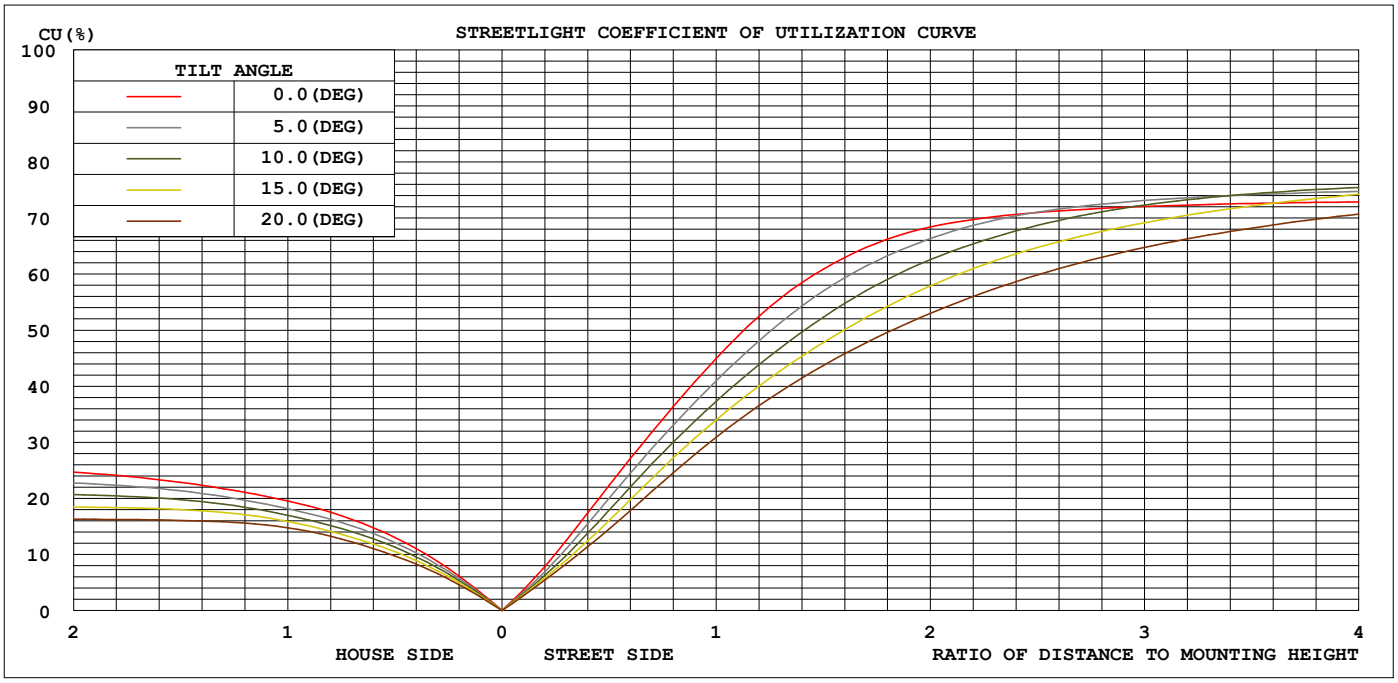
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

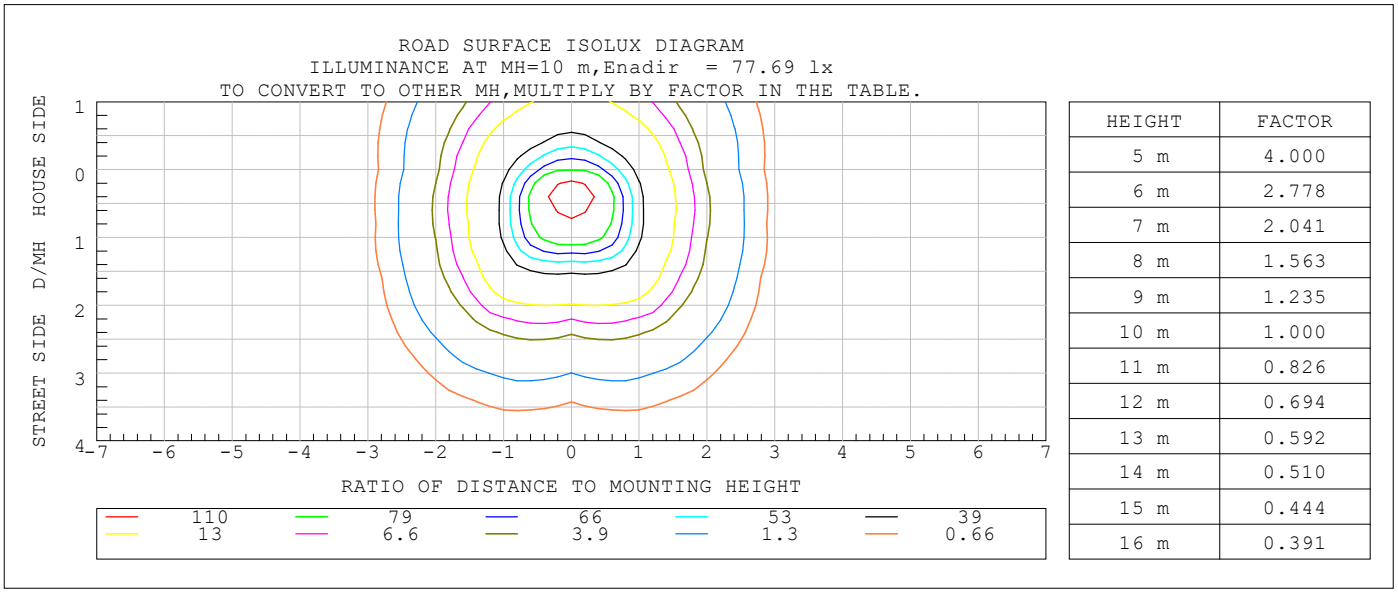
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	28852
90%	25966
80%	23081
70%	20196
60%	17311
50%	14426
40%	11541
30%	8655
20%	5770
10%	2885
5%	1443

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:

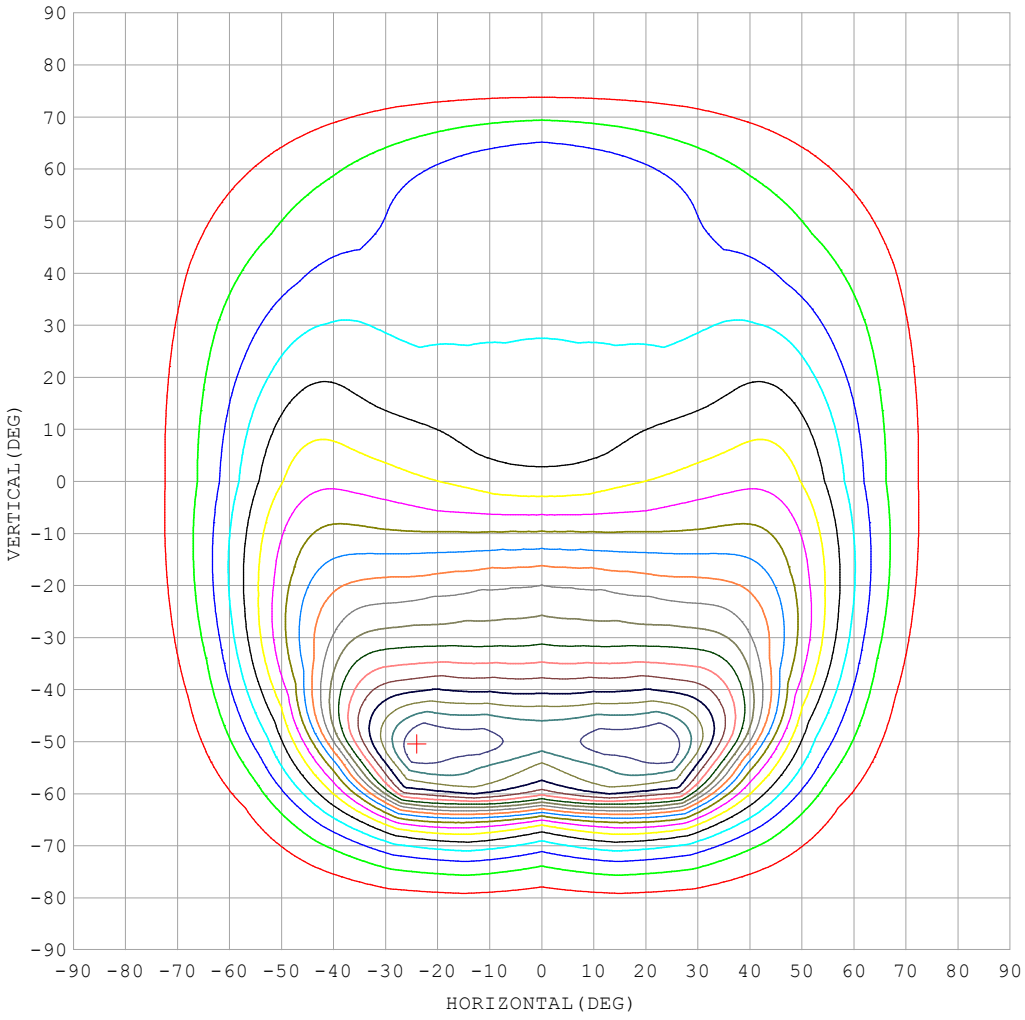
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	814.9	1039	1173	1039	814.9	681.9	671.8	681.9	0- 10	785.0	785.0	1.74,1.74
20	865.6	1335	1587	1335	865.6	665.1	616.6	665.1	10- 20	2655	3440	7.64,7.64
30	923.8	1588	1832	1588	923.8	599.5	568.7	599.5	20- 30	4804	8243	18.3,18.3
40	978.1	1824	2268	1824	978.1	545.7	531.4	545.7	30- 40	7126	15370	34.1,34.1
50	856.1	2151	2654	2151	856.1	476.1	515.5	476.1	40- 50	9725	25095	55.8,55.8
60	506.6	1785	2064	1785	506.6	375.0	558.5	375.0	50- 60	10773	35868	79.7,79.7
70	192.3	626.0	510.3	626.0	192.3	219.4	265.3	219.4	60- 70	6836	42704	94.9,94.9
80	46.08	101.2	87.95	101.2	46.08	54.94	49.70	54.94	70- 80	2068	44771	99.5,99.5
90	1.419	0.4297	0.5604	0.4297	1.419	6.590	7.348	6.590	80- 90	239.5	45011	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



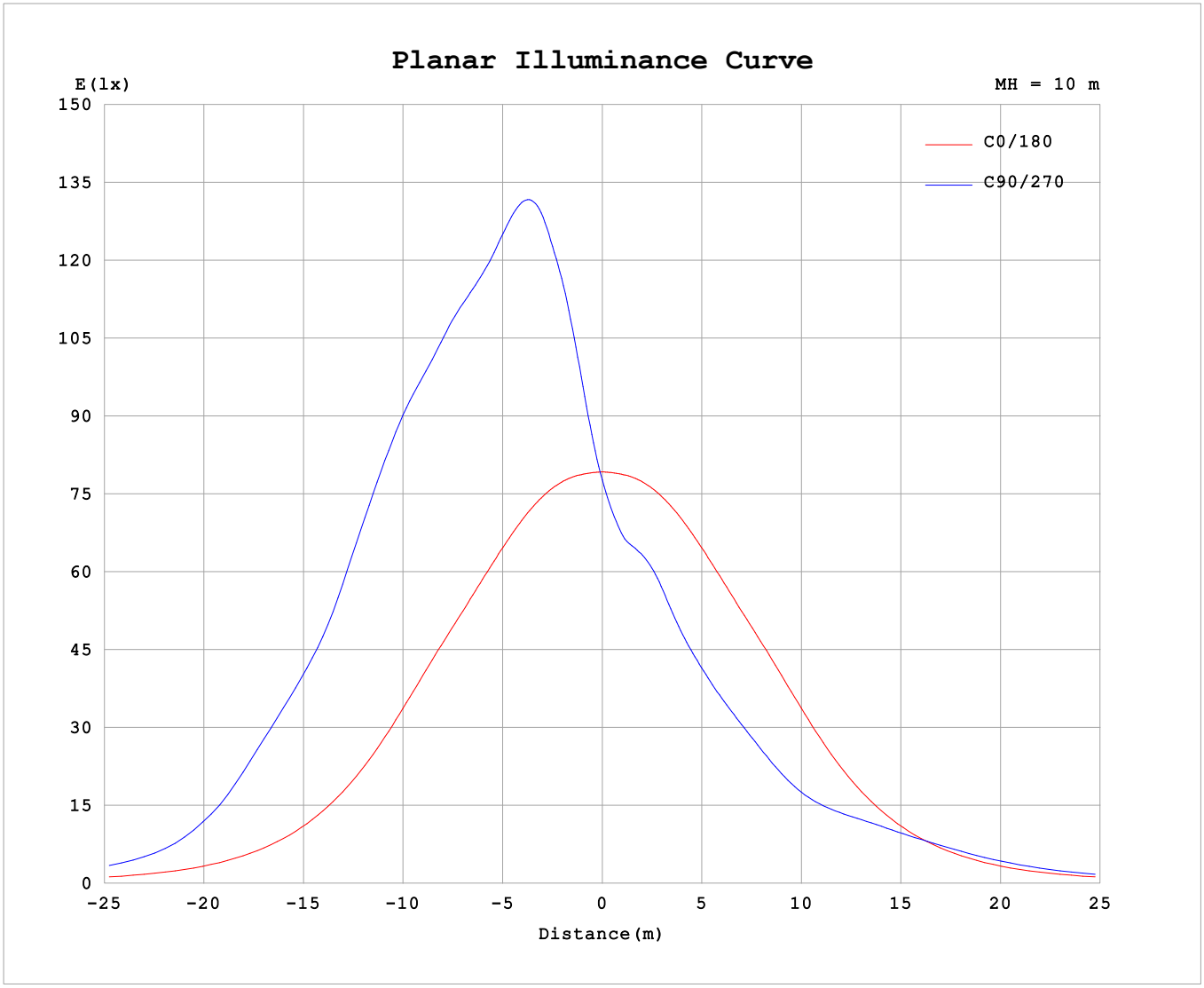
Imax:28848(H-24.0,V-50.5
(At:C=60.0,Gamma=54.5)

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



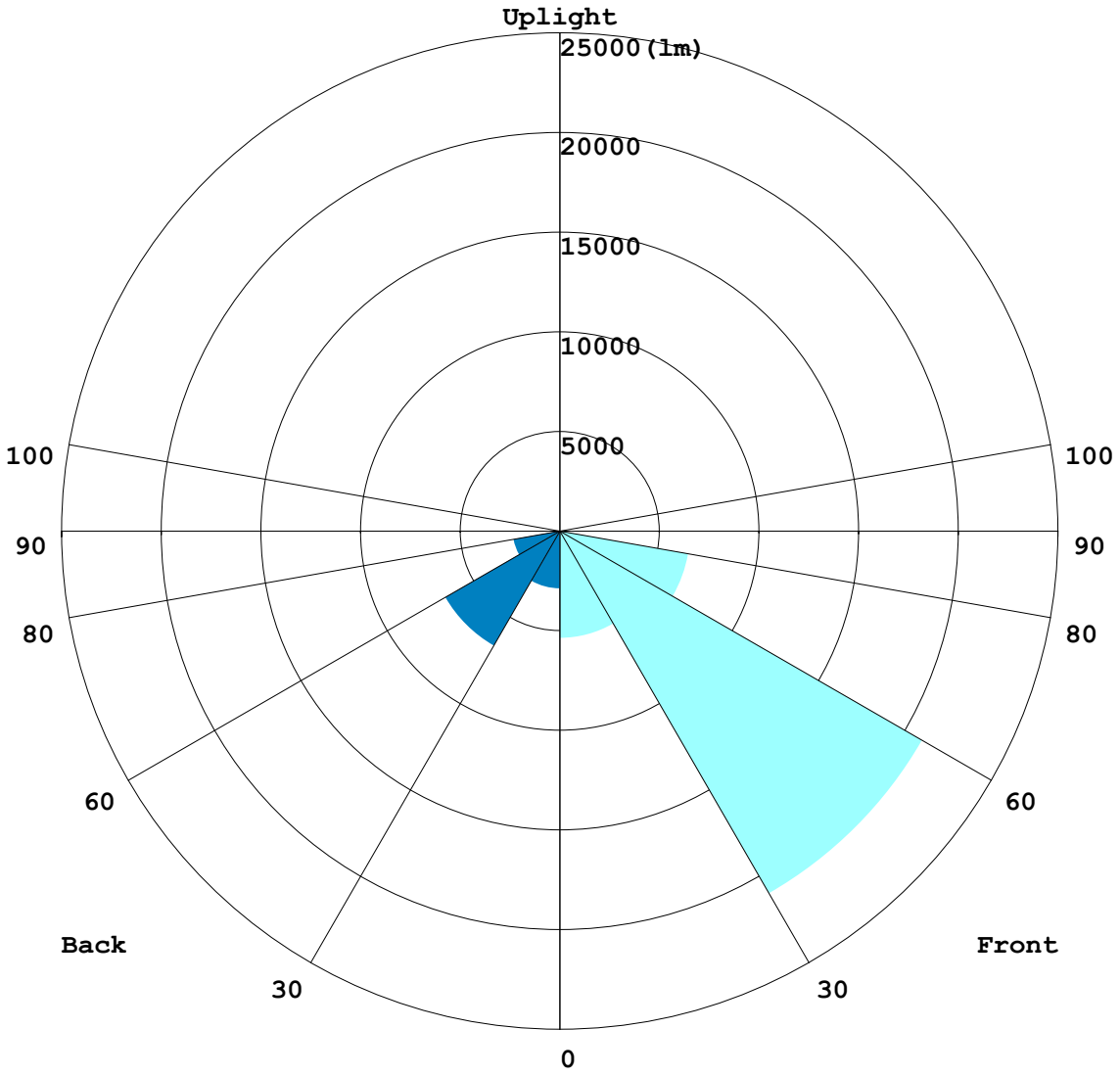
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:45010.9x1 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:45010.9x1 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)	5363.3	11.9
FM - Front-Medium(30-60)	20992	46.6
FH - Front-High(60-80)	6544	14.5
FVH - Front-Very High(80-90)	137.63	0.3
Total Forward Light	33037	73.4
BL - Back-Low(0-30)	2880.1	6.4
BM - Back-Medium(30-60)	6633.1	14.7
BH - Back-High(60-80)	2359.3	5.2
BVH - Back-Very High(80-90)	101.88	0.2
Total Back Light	11974	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	11974	0	11974
Street Side	33037	0	33037

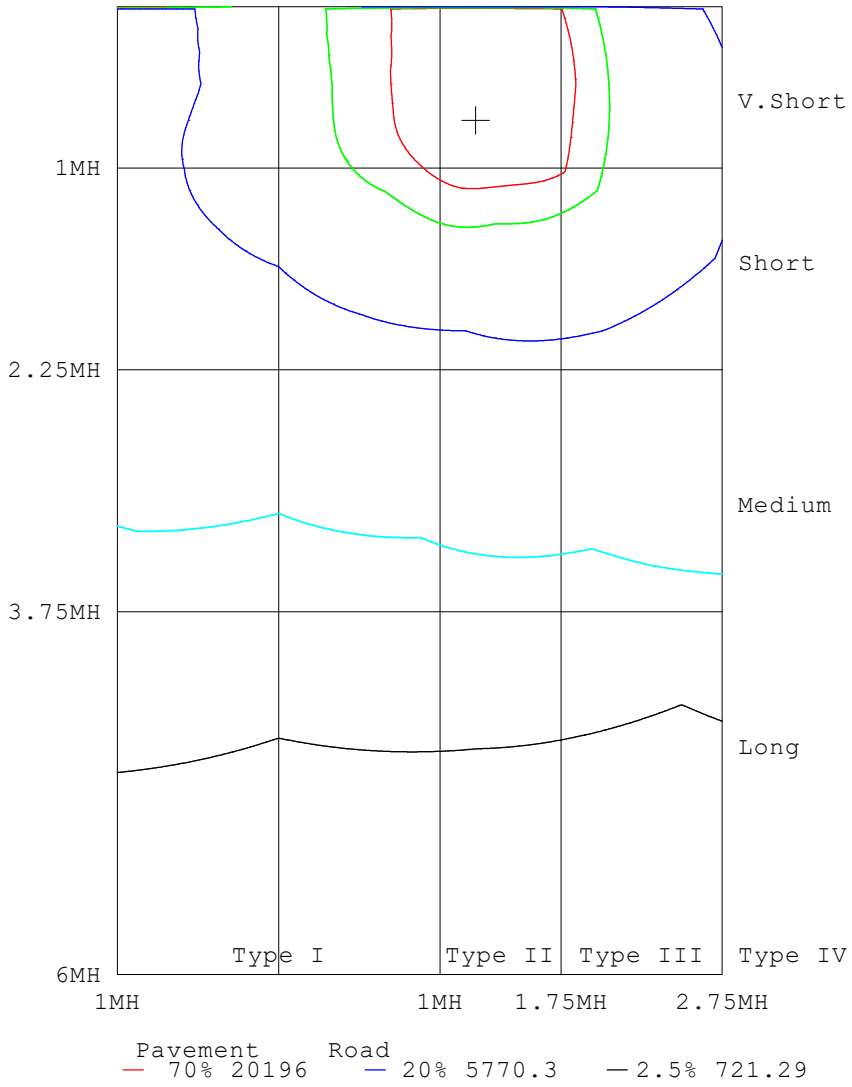
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:45010.9x1 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	793	777	778	777	778	776	777	776	778	777	778	777	793	777	778	777	778	776	777
5	798	817	854	889	921	938	948	938	921	889	854	817	798	754	730	711	699	691	690
10	815	871	955	1039	1112	1154	1173	1154	1112	1039	955	871	815	745	705	682	675	672	672
15	839	932	1067	1196	1296	1354	1388	1354	1296	1196	1067	932	839	746	702	682	669	661	660
20	866	996	1177	1335	1477	1552	1587	1552	1477	1335	1177	996	866	754	706	665	637	620	617
25	894	1061	1276	1473	1618	1684	1714	1684	1618	1473	1276	1061	894	768	693	629	599	587	586
30	924	1127	1371	1588	1726	1795	1832	1795	1726	1588	1371	1127	924	776	669	599	574	567	569
35	954	1192	1469	1694	1861	1980	2032	1980	1861	1694	1469	1192	954	780	650	573	552	553	557
40	978	1245	1555	1824	2089	2232	2268	2232	2089	1824	1555	1245	978	790	637	546	527	528	531
45	954	1244	1594	2002	2366	2544	2551	2544	2366	2002	1594	1244	954	776	620	515	489	490	497
50	856	1152	1541	2151	2710	2786	2654	2786	2710	2151	1541	1152	856	704	569	476	451	491	515
55	697	971	1342	2155	2884	2650	2410	2650	2884	2155	1342	971	697	578	481	424	452	528	565
60	507	739	1020	1785	2532	2422	2064	2422	2532	1785	1020	739	507	437	383	375	441	511	558
65	324	481	679	1101	1769	1395	1028	1395	1769	1101	679	481	324	317	295	314	359	403	437
70	192	252	395	626	812	721	510	721	812	626	395	252	192	210	207	219	238	255	265
75	105	119	162	291	373	350	244	350	373	291	162	119	105	121	121	126	125	121	118
80	46.1	49.4	52.1	101	138	129	88.0	129	138	101	52.1	49.4	46.1	54.0	53.0	54.9	54.1	51.9	49.7
85	10.2	10.3	9.73	14.7	22.0	21.4	15.3	21.4	22.0	14.7	9.73	10.3	10.2	12.4	12.7	13.5	14.0	14.0	13.8
90	1.42	0.35	0.38	0.43	0.48	0.53	0.56	0.53	0.48	0.43	0.38	0.35	1.42	3.15	4.63	6.59	7.80	7.73	7.35

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	776	778	777	778	777														
5	691	699	711	730	754														
10	672	675	682	705	745														
15	661	669	682	702	746														
20	620	637	665	706	754														
25	587	599	629	693	768														
30	567	574	599	669	776														
35	553	552	573	650	780														
40	528	527	546	637	790														
45	490	489	515	620	776														
50	491	451	476	569	704														
55	528	452	424	481	578														
60	511	441	375	383	437														
65	403	359	314	295	317														
70	255	238	219	207	210														
75	121	125	126	121	121														
80	51.9	54.1	54.9	53.0	54.0														
85	14.0	14.0	13.5	12.7	12.4														
90	7.73	7.80	6.59	4.63	3.15														

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: