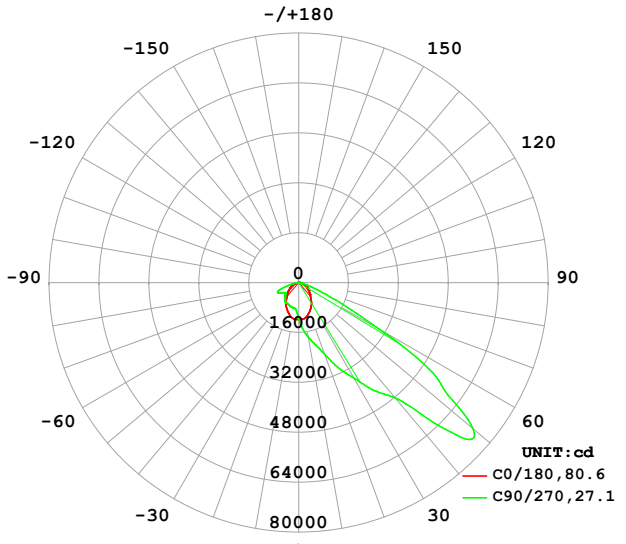
STREETLIGHT PHOTOMETRIC TEST REPORT

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:44109x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

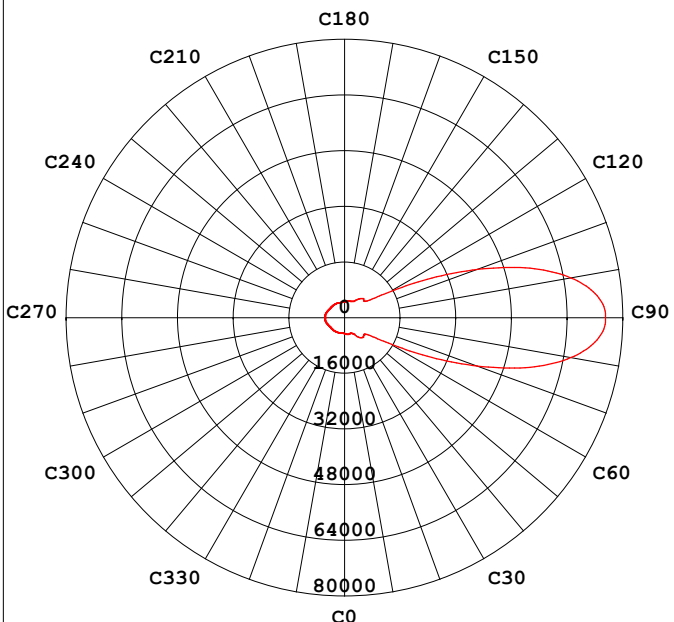
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 146.49 lm/W	
MODEL	/	Imax(cd)	75022	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	44109	η house_up(%)	0.0
NOMINAL FLUX(lm)	44109	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):53.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

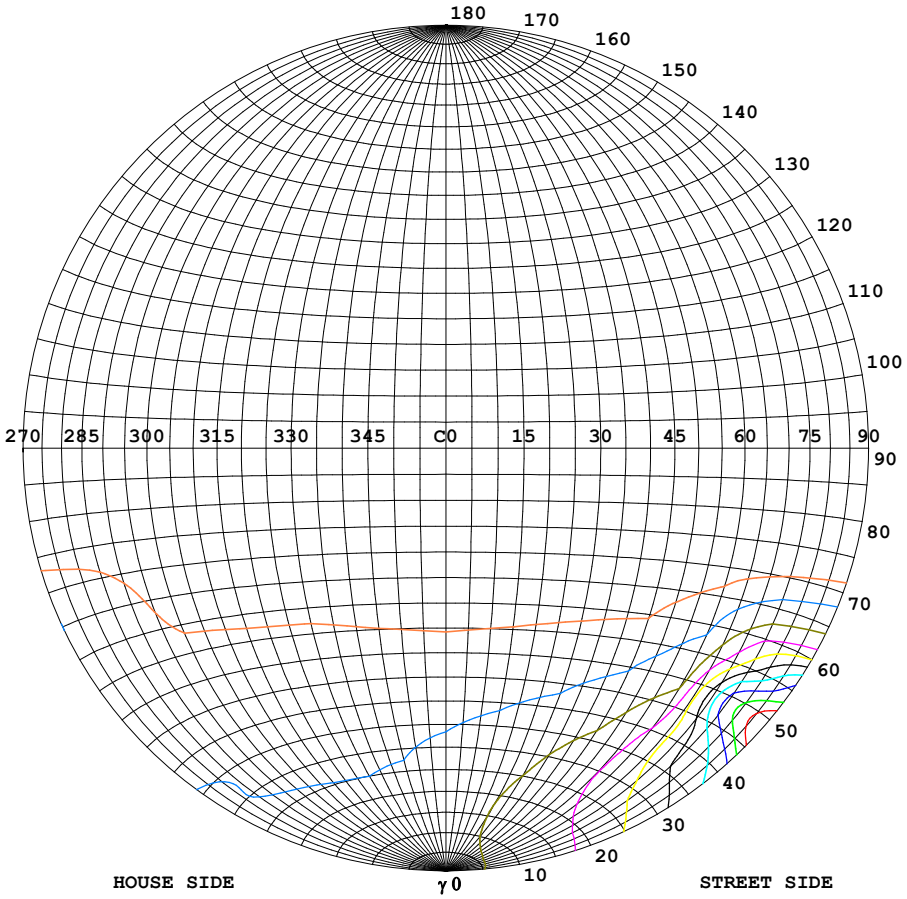


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

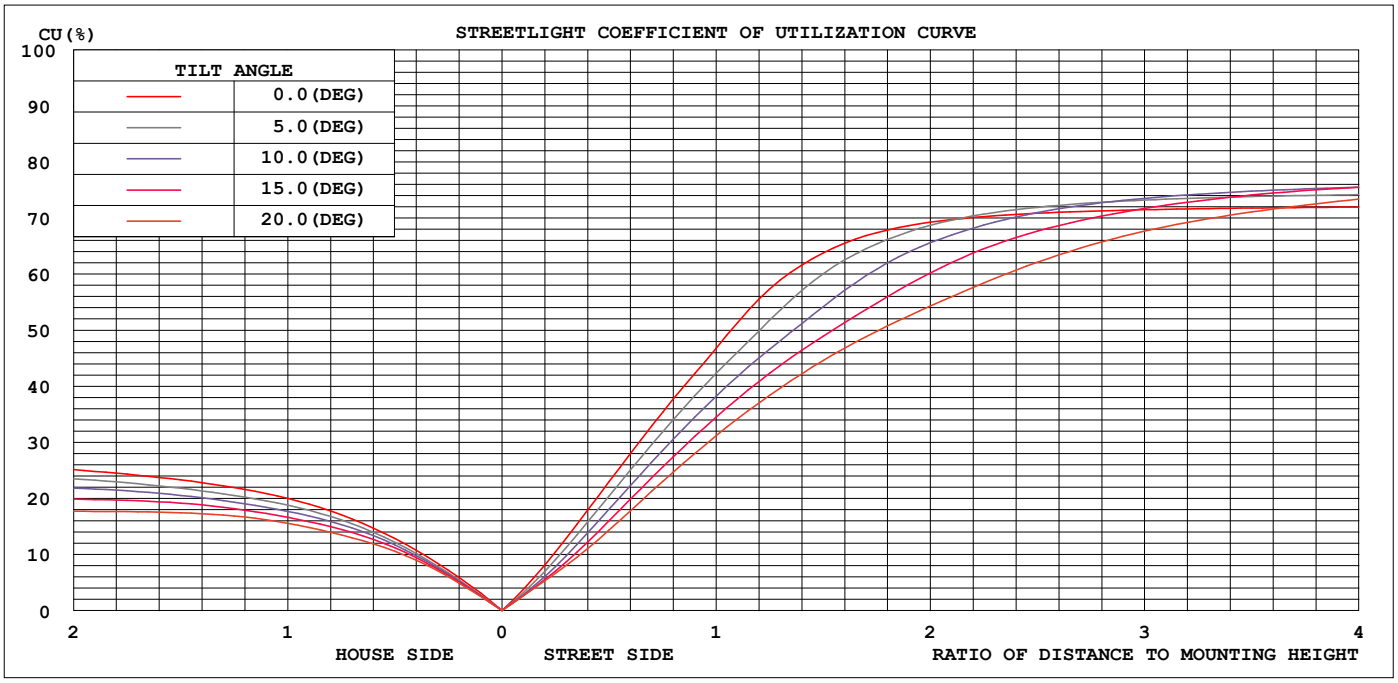
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

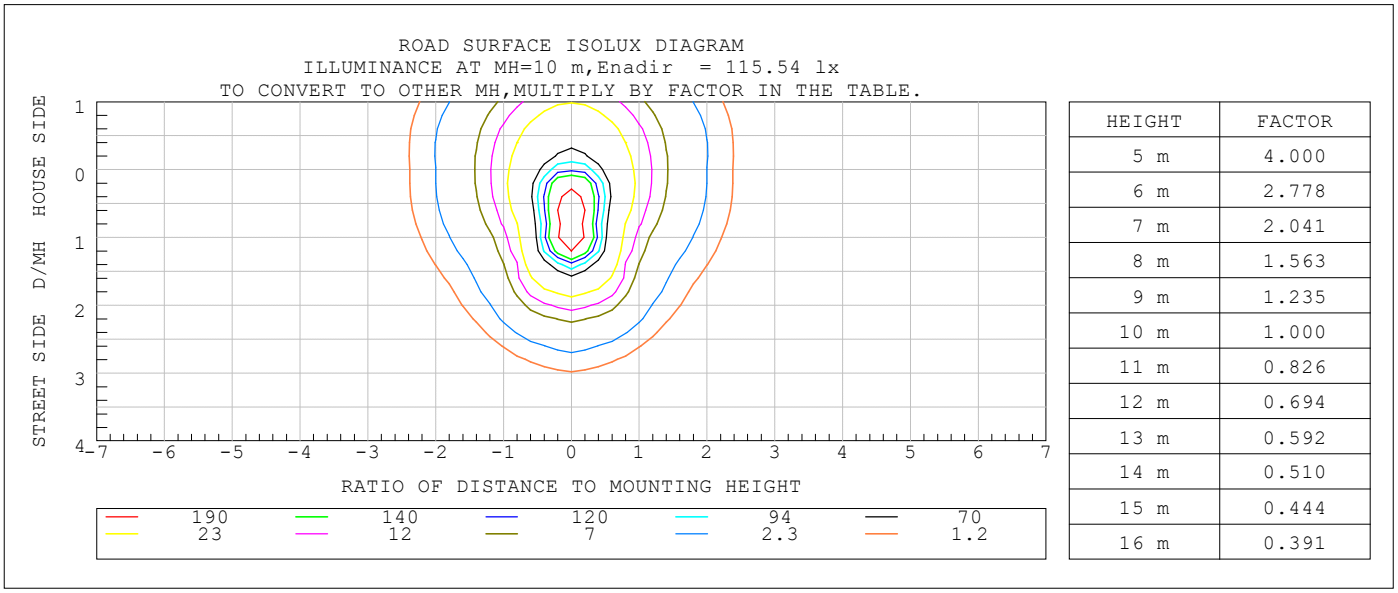
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	75022
90%	67520
80%	60018
70%	52515
60%	45013
50%	37511
40%	30009
30%	22507
20%	15004
10%	7502
5%	3751

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:

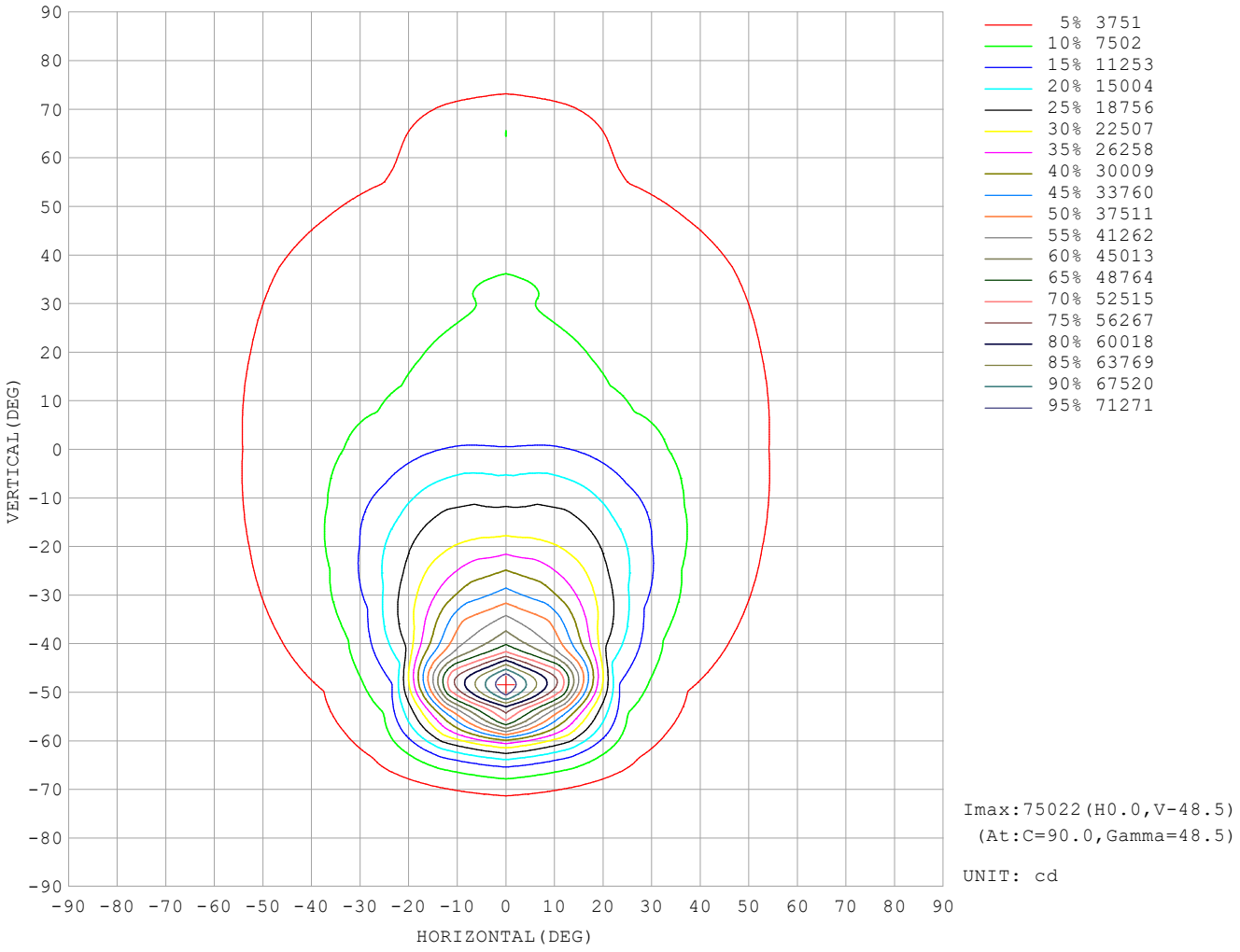
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1163	1643	1774	1643	1163	854.6	834.7	854.6	0- 10	1145	1145	2.6,2.6
20	1007	1919	2448	1919	1007	791.2	809.3	791.2	10- 20	3654	4799	10.9,10.9
30	826.2	1837	3525	1837	826.2	705.0	767.6	705.0	20- 30	6266	11065	25.1,25.1
40	596.9	1295	4838	1295	596.9	602.5	697.8	602.5	30- 40	8436	19501	44.2,44.2
50	442.5	717.1	7303	717.1	442.5	471.1	562.5	471.1	40- 50	10091	29591	67.1,67.1
60	300.6	360.3	2971	360.3	300.6	341.2	694.7	341.2	50- 60	8434	38025	86.2,86.2
70	168.6	195.2	496.1	195.2	168.6	189.0	606.1	189.0	60- 70	4222	42248	95.8,95.8
80	52.42	56.66	76.38	56.66	52.42	51.65	87.85	51.65	70- 80	1583	43831	99.4,99.4
90	1.117	0.3343	0.5394	0.3343	1.117	2.342	6.209	2.342	80- 90	278.3	44109	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:

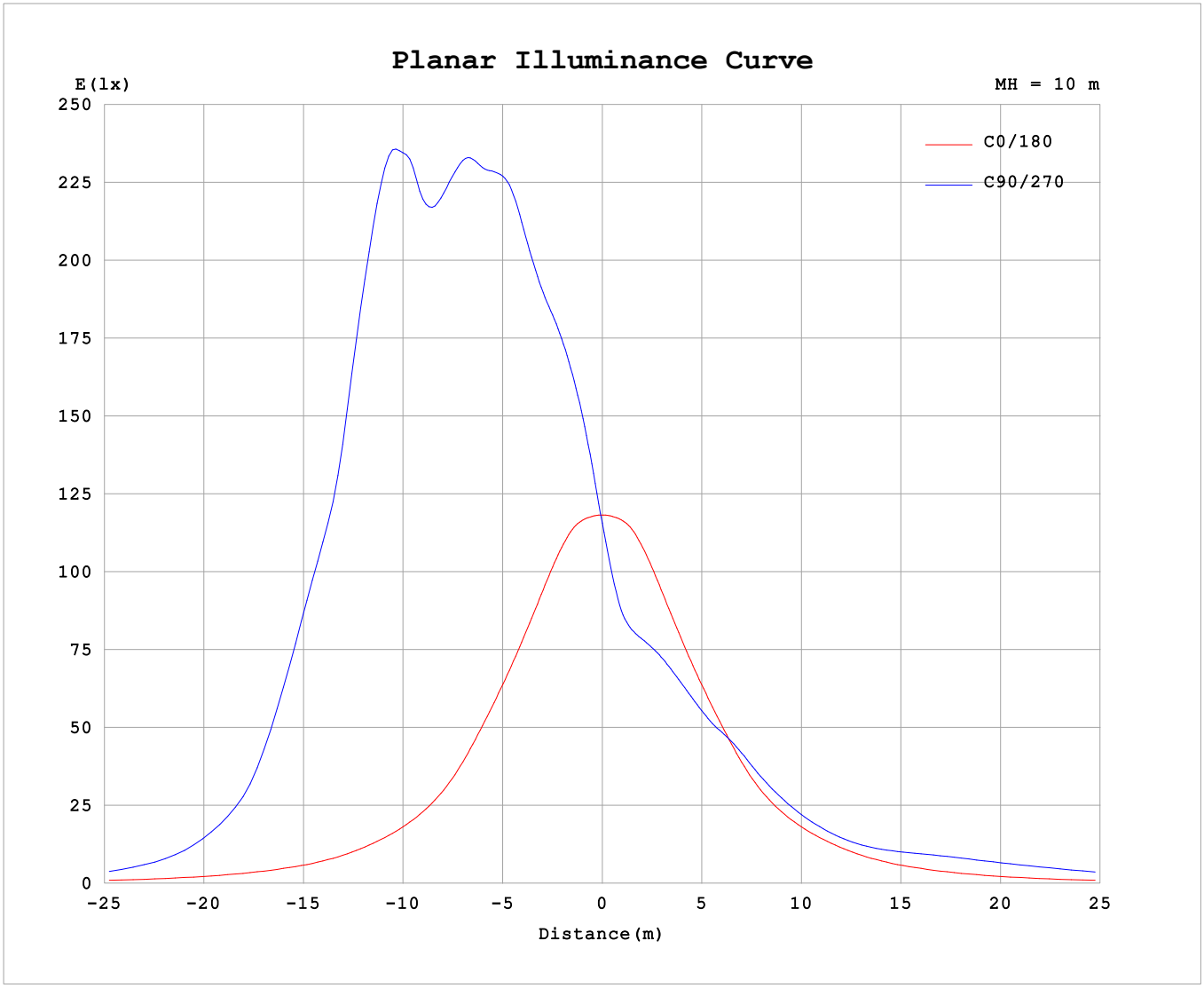
ISOCANDELA DIAGRAM



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



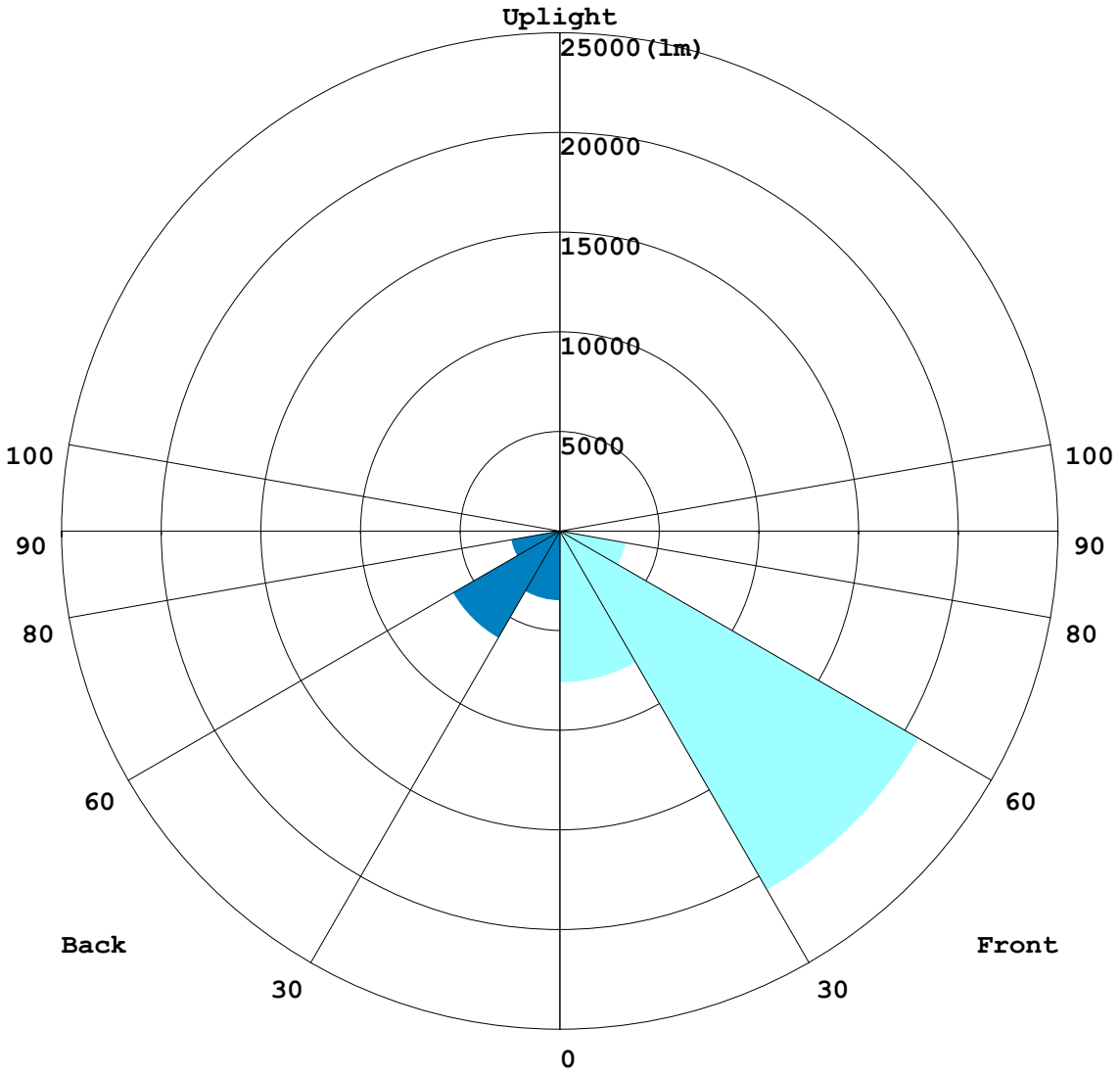
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:44109x1 lm		
NAME: FL72-300(300W)-F04802	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:44109x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7593.2	17.2
FM - Front-Medium(30-60)	20787	47.1
FH - Front-High(60-80)	3343.9	7.6
FVH - Front-Very High(80-90)	172.25	0.4
Total Forward Light	31897	72.3
BL - Back-Low(0-30)	3471.8	7.9
BM - Back-Medium(30-60)	6173.1	14.0
BH - Back-High(60-80)	2461.4	5.6
BVH - Back-Very High(80-90)	106.09	0.2
Total Back Light	12212	27.7
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	12212	0	12212
Street Side	31897	0	31897

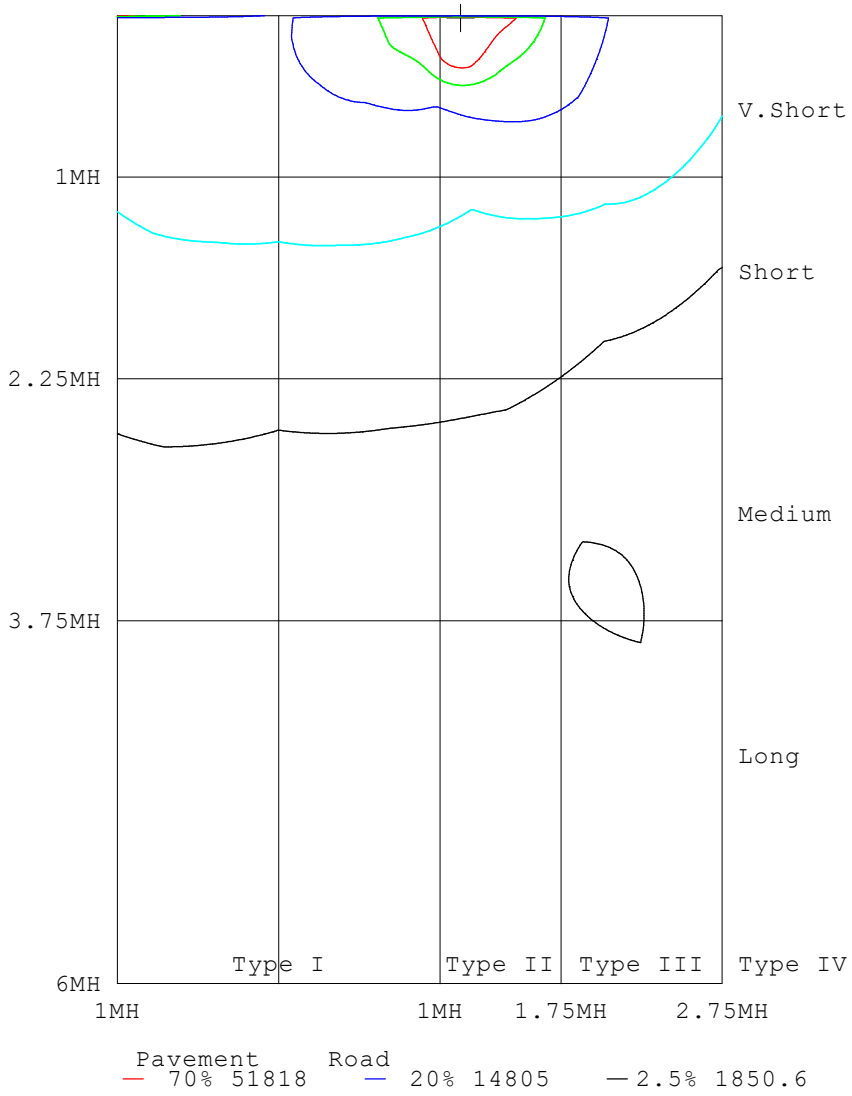
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:44109x1 lm		
NAME: FL72-300(300W)-F04802	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	1183	1155	1157	1154	1157	1153	1157	1153	1157	1154	1157	1155	1183	1155	1157	1154	1157	1153	1157
5	1183	1242	1330	1395	1446	1462	1483	1462	1446	1395	1330	1242	1183	1080	1017	963	930	907	904
10	1163	1311	1501	1643	1727	1748	1774	1748	1727	1643	1501	1311	1163	1001	905	855	836	833	835
15	1096	1311	1595	1813	1955	2018	2055	2018	1955	1813	1595	1311	1096	911	838	817	819	823	828
20	1007	1240	1594	1919	2138	2336	2448	2336	2138	1919	1594	1240	1007	844	796	791	800	806	809
25	919	1141	1499	1935	2310	2764	3012	2764	2310	1935	1499	1141	919	782	750	754	766	775	783
30	826	1023	1349	1837	2435	3151	3525	3151	2435	1837	1349	1023	826	716	700	705	722	746	768
35	709	864	1141	1617	2433	3643	4222	3643	2433	1617	1141	864	709	644	644	653	690	736	763
40	597	697	877	1295	2266	3969	4838	3969	2266	1295	877	697	597	567	582	602	636	665	698
45	514	582	682	956	1833	4813	6633	4813	1833	956	682	582	514	501	520	547	556	602	626
50	443	463	501	717	1315	5392	7303	5392	1315	717	501	463	443	440	464	471	491	536	562
55	363	381	412	470	949	3485	5485	3485	949	470	412	381	363	377	402	405	424	484	569
60	301	313	337	360	636	2166	2971	2166	636	360	337	313	301	314	329	341	354	491	695
65	235	248	257	271	429	970	1222	970	429	271	257	248	235	265	261	268	283	495	751
70	169	175	191	195	257	387	496	387	257	195	191	175	169	187	190	189	206	404	606
75	114	132	181	117	133	157	199	157	133	117	181	132	114	115	115	115	123	212	270
80	52.4	71.5	107	56.7	60.0	56.1	76.4	56.1	60.0	56.7	107	71.5	52.4	51.5	52.7	51.7	56.0	74.7	87.8
85	16.9	42.6	76.9	18.1	13.6	13.5	16.2	13.5	13.6	18.1	76.9	42.6	16.9	12.0	12.4	11.8	12.6	14.9	16.7
90	1.12	0.29	0.31	0.33	0.40	0.49	0.54	0.49	0.40	0.33	0.31	0.29	1.12	1.98	2.07	2.34	3.36	5.11	6.21

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	1153	1157	1154	1157	1155														
5	907	930	963	1017	1080														
10	833	836	855	905	1001														
15	823	819	817	838	911														
20	806	800	791	796	844														
25	775	766	754	750	782														
30	746	722	705	700	716														
35	736	690	653	644	644														
40	665	636	602	582	567														
45	602	556	547	520	501														
50	536	491	471	464	440														
55	484	424	405	402	377														
60	491	354	341	329	314														
65	495	283	268	261	265														
70	404	206	189	190	187														
75	212	123	115	115	115														
80	74.7	56.0	51.7	52.7	51.5														
85	14.9	12.6	11.8	12.4	12.0														
90	5.11	3.36	2.34	2.07	1.98														

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: