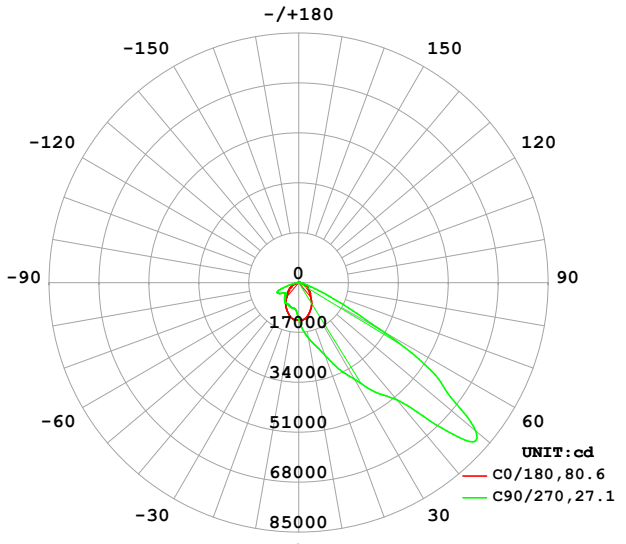
STREETLIGHT PHOTOMETRIC TEST REPORT

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:47556.4x1 lm		
NAME: FL72-300(300W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

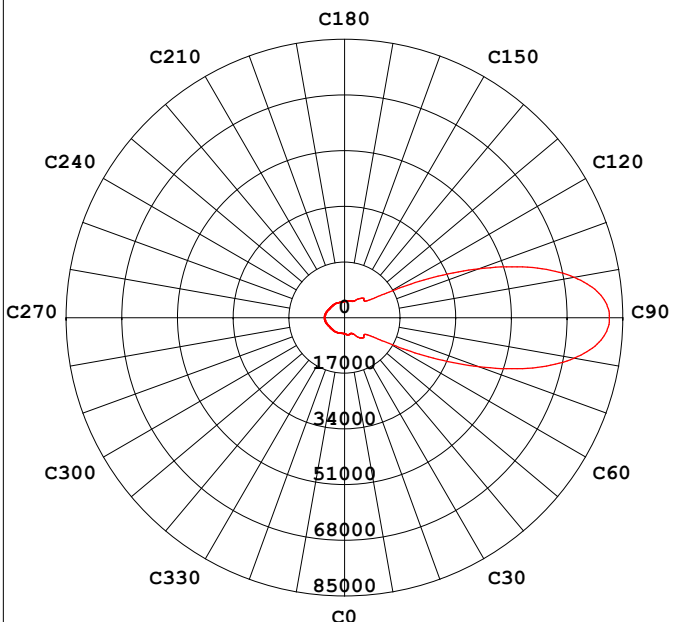
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 157.94 lm/W	
MODEL	/	Imax(cd)	80886	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.3
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	47556	η house_up(%)	0.0
NOMINAL FLUX(lm)	47556.4	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.7
LAMPS INSIDE	1	η up(%)	0.0	76 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

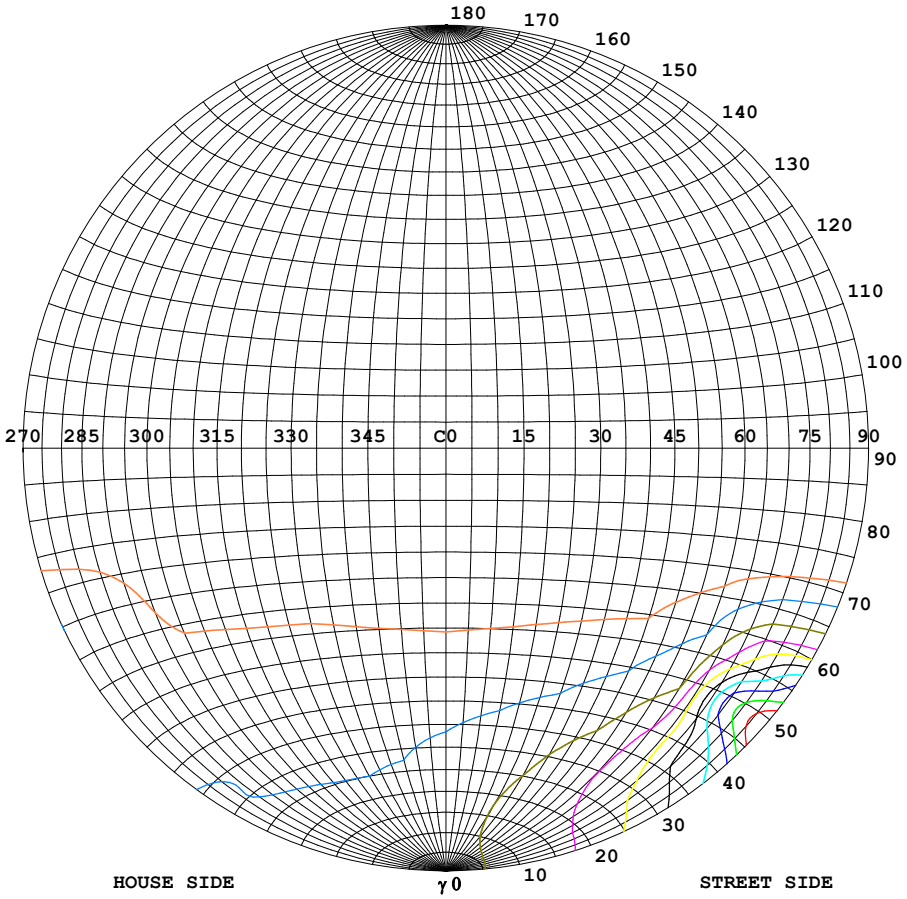


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

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:

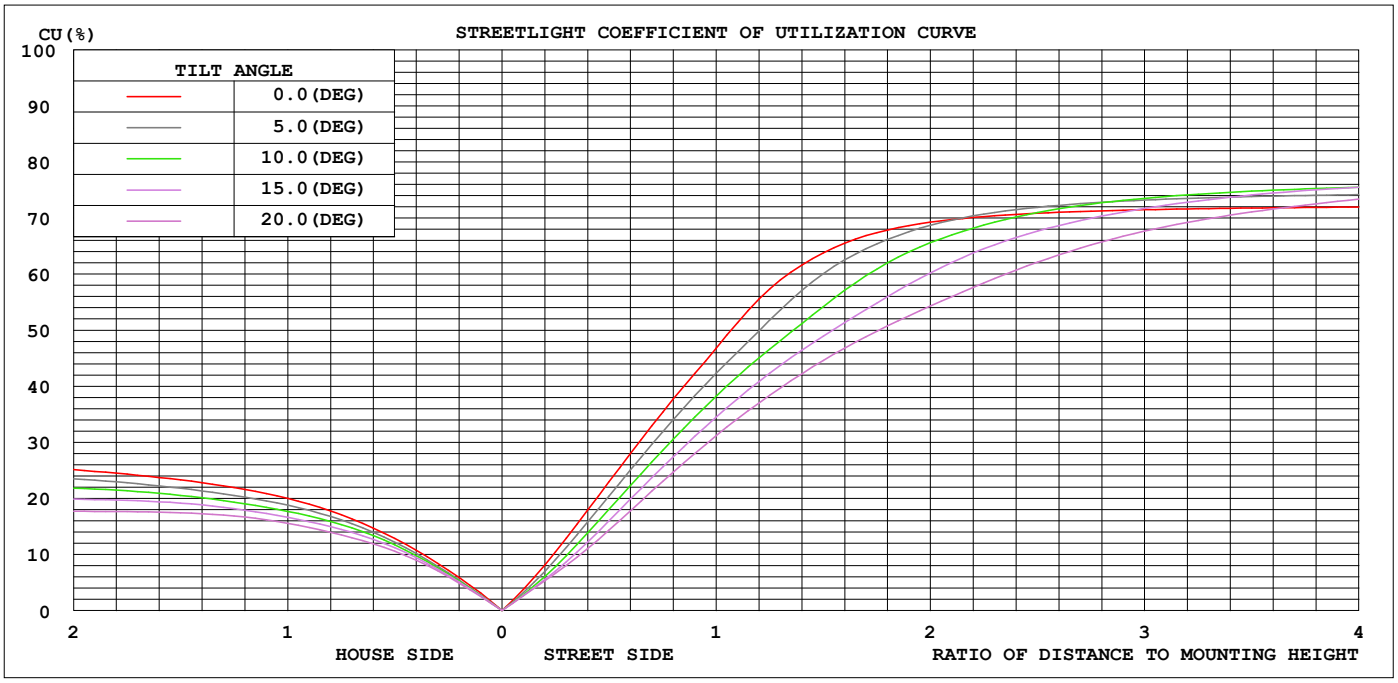
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:24.22cd/klm
Max.At90:1.408cd/klm
Max.80-90:32.07cd/klm

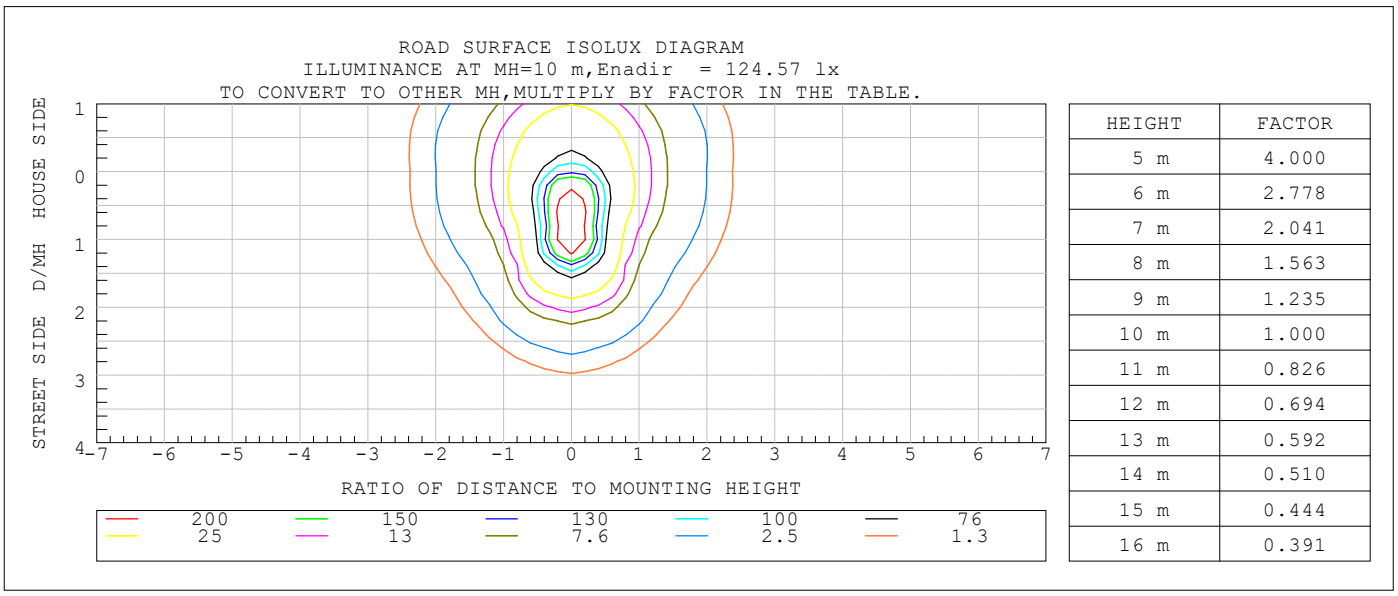
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	80886
90%	72797
80%	64709
70%	56620
60%	48531
50%	40443
40%	32354
30%	24266
20%	16177
10%	8089
5%	4044

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:

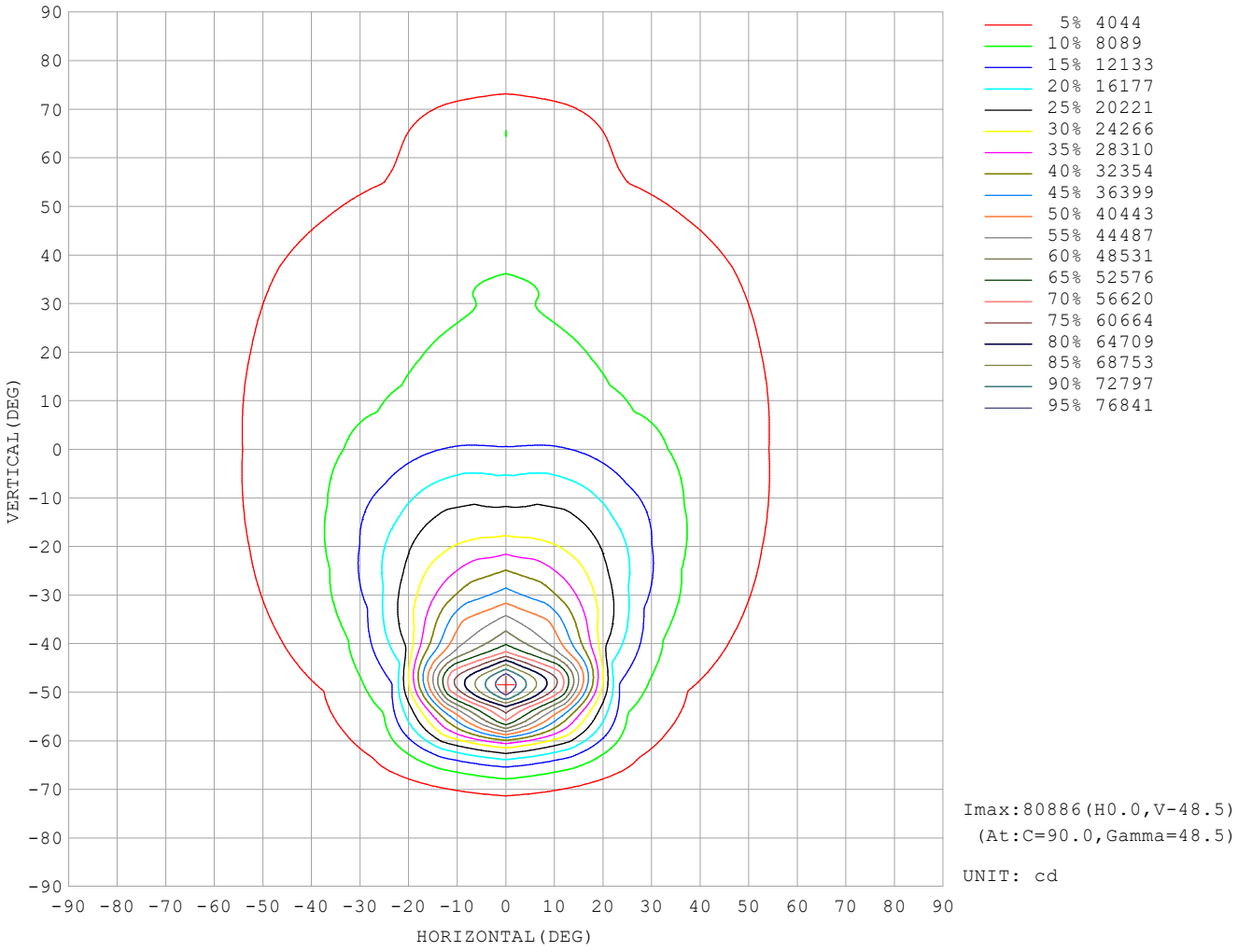
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1254	1771	1913	1771	1254	921.4	900.0	921.4	0- 10	1234	1234	2.6,2.6
20	1086	2069	2639	2069	1086	853.0	872.6	853.0	10- 20	3940	5174	10.9,10.9
30	890.8	1981	3800	1981	890.8	760.1	827.6	760.1	20- 30	6756	11930	25.1,25.1
40	643.6	1396	5217	1396	643.6	649.6	752.3	649.6	30- 40	9095	21025	44.2,44.2
50	477.1	773.2	7874	773.2	477.1	507.9	606.4	507.9	40- 50	10879	31904	67.1,67.1
60	324.1	388.5	3203	388.5	324.1	367.9	749.0	367.9	50- 60	9093	40997	86.2,86.2
70	181.8	210.5	534.8	210.5	181.8	203.7	653.4	203.7	60- 70	4552	45549	95.8,95.8
80	56.52	61.09	82.35	61.09	56.52	55.69	94.71	55.69	70- 80	1707	47256	99.4,99.4
90	1.204	0.3604	0.5816	0.3604	1.204	2.525	6.694	2.525	80- 90	300.1	47556	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:

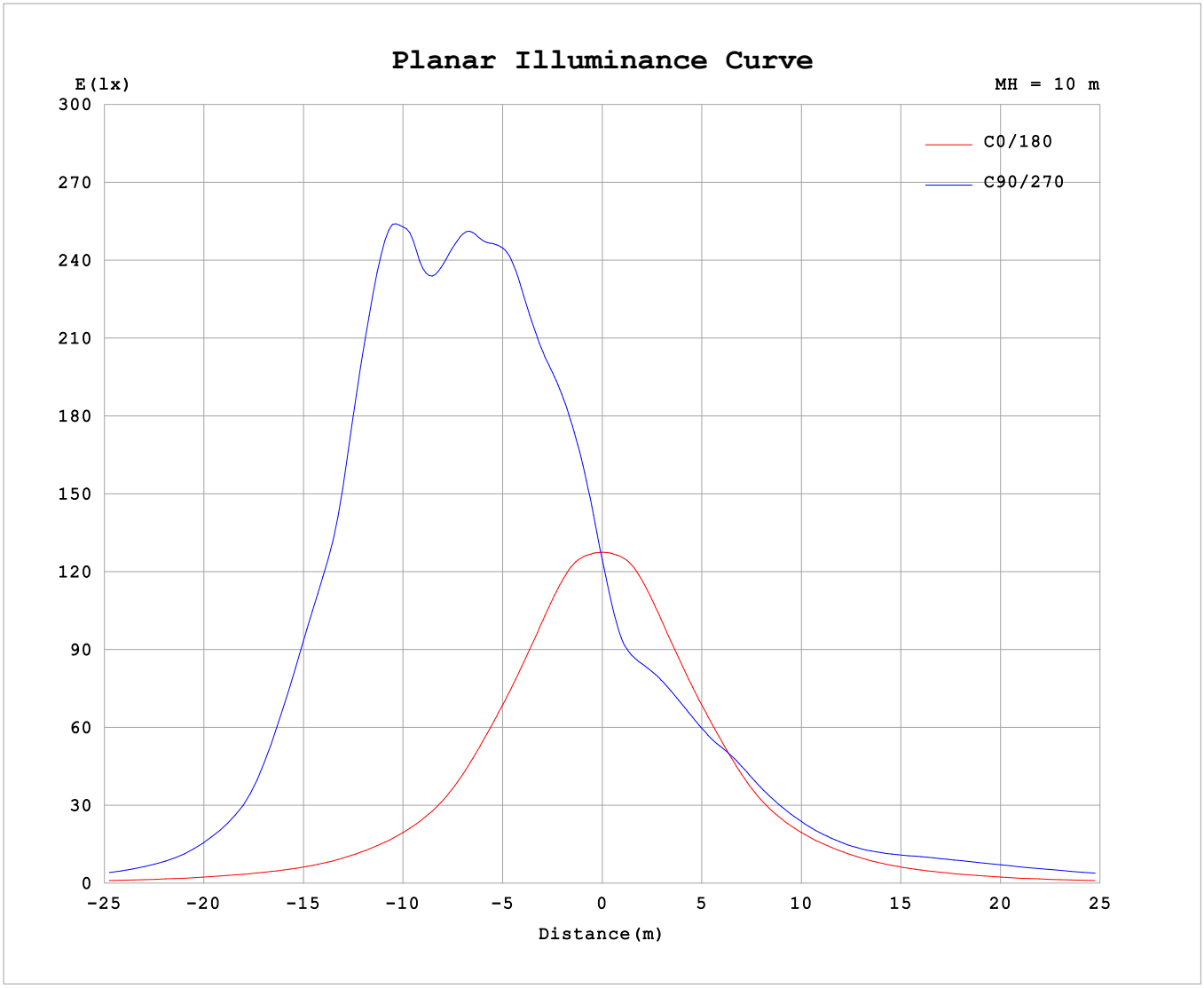
ISOCANDELA DIAGRAM



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



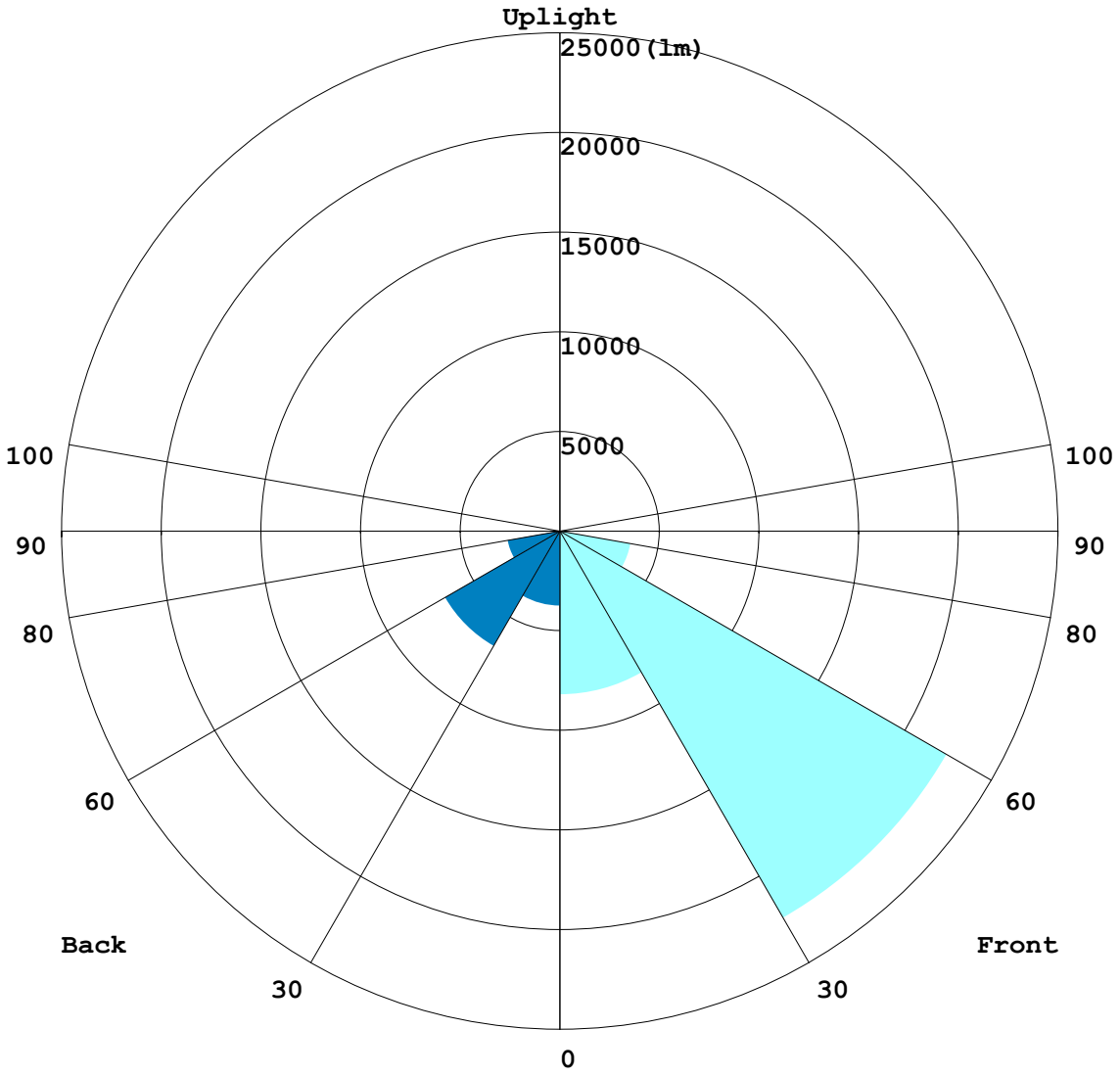
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:47556.4x1 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:47556.4x1 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)	8186.6	17.2
FM - Front-Medium(30-60)	22412	47.1
FH - Front-High(60-80)	3605.3	7.6
FVH - Front-Very High(80-90)	185.71	0.4
Total Forward Light	34390	72.3
BL - Back-Low(0-30)	3743.1	7.9
BM - Back-Medium(30-60)	6655.6	14.0
BH - Back-High(60-80)	2653.8	5.6
BVH - Back-Very High(80-90)	114.38	0.2
Total Back Light	13167	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-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13167	0	13167
Street Side	34390	0	34390

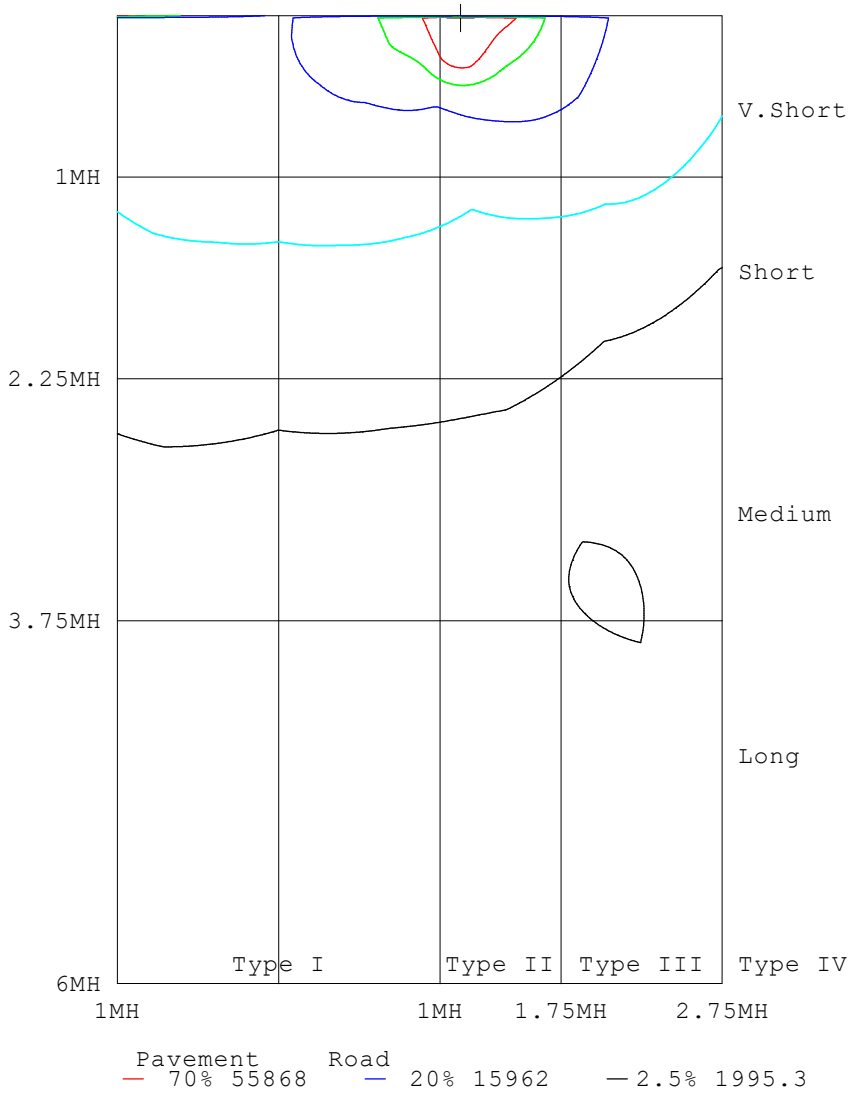
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:47556.4x1 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	1275	1245	1247	1244	1248	1243	1247	1243	1248	1244	1247	1245	1275	1245	1247	1244	1248	1243	1247
5	1275	1339	1434	1504	1559	1576	1599	1576	1559	1504	1434	1339	1275	1164	1097	1039	1002	978	974
10	1254	1413	1619	1771	1862	1885	1913	1885	1862	1771	1619	1413	1254	1079	976	921	901	898	900
15	1181	1414	1720	1955	2108	2175	2216	2175	2108	1955	1720	1414	1181	982	904	881	883	888	893
20	1086	1337	1719	2069	2305	2519	2639	2519	2305	2069	1719	1337	1086	910	858	853	862	869	873
25	991	1230	1616	2087	2490	2980	3247	2980	2490	2087	1616	1230	991	843	808	813	825	836	844
30	891	1103	1454	1981	2626	3397	3800	3397	2626	1981	1454	1103	891	772	755	760	778	805	828
35	765	932	1230	1743	2623	3928	4552	3928	2623	1743	1230	932	765	694	695	704	743	794	822
40	644	751	945	1396	2443	4280	5217	4280	2443	1396	945	751	644	611	627	650	685	717	752
45	555	627	735	1031	1976	5189	7152	5189	1976	1031	735	627	555	540	561	590	600	649	675
50	477	499	541	773	1417	5814	7874	5814	1417	773	541	499	477	475	500	508	530	578	606
55	391	411	444	507	1023	3757	5913	3757	1023	507	444	411	391	407	434	437	457	521	613
60	324	338	363	389	686	2335	3203	2335	686	389	363	338	324	339	355	368	381	529	749
65	253	268	277	292	463	1045	1318	1045	463	292	277	268	253	285	282	289	305	533	810
70	182	188	205	210	277	417	535	417	277	210	205	188	182	202	204	204	222	436	653
75	122	142	195	127	144	169	215	169	144	127	195	142	122	124	124	124	133	228	291
80	56.5	77.1	115	61.1	64.7	60.5	82.3	60.5	64.7	61.1	115	77.1	56.5	55.5	56.9	55.7	60.4	80.5	94.7
85	18.3	46.0	82.9	19.5	14.6	14.6	17.5	14.6	14.6	19.5	82.9	46.0	18.3	12.9	13.4	12.8	13.6	16.1	18.0
90	1.20	0.31	0.33	0.36	0.43	0.53	0.58	0.53	0.43	0.36	0.33	0.31	1.20	2.14	2.23	2.53	3.62	5.51	6.69

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	1243	1248	1244	1247	1245														
5	978	1002	1039	1097	1164														
10	898	901	921	976	1079														
15	888	883	881	904	982														
20	869	862	853	858	910														
25	836	825	813	808	843														
30	805	778	760	755	772														
35	794	743	704	695	694														
40	717	685	650	627	611														
45	649	600	590	561	540														
50	578	530	508	500	475														
55	521	457	437	434	407														
60	529	381	368	355	339														
65	533	305	289	282	285														
70	436	222	204	204	202														
75	228	133	124	124	124														
80	80.5	60.4	55.7	56.9	55.5														
85	16.1	13.6	12.8	13.4	12.9														
90	5.51	3.62	2.53	2.23	2.14														

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: