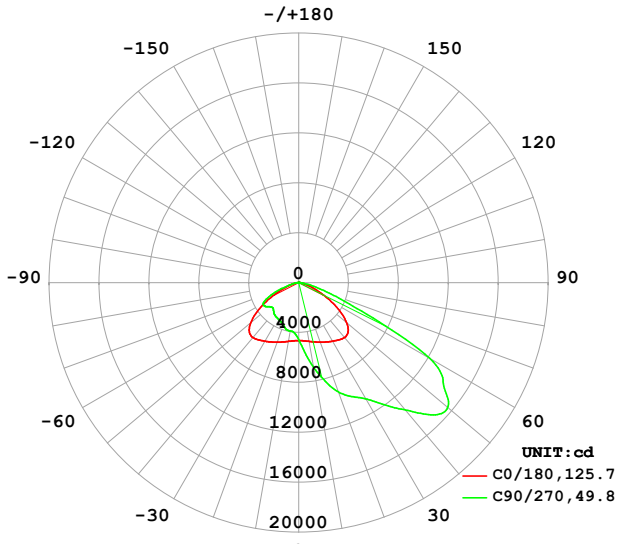
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:26454.6x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

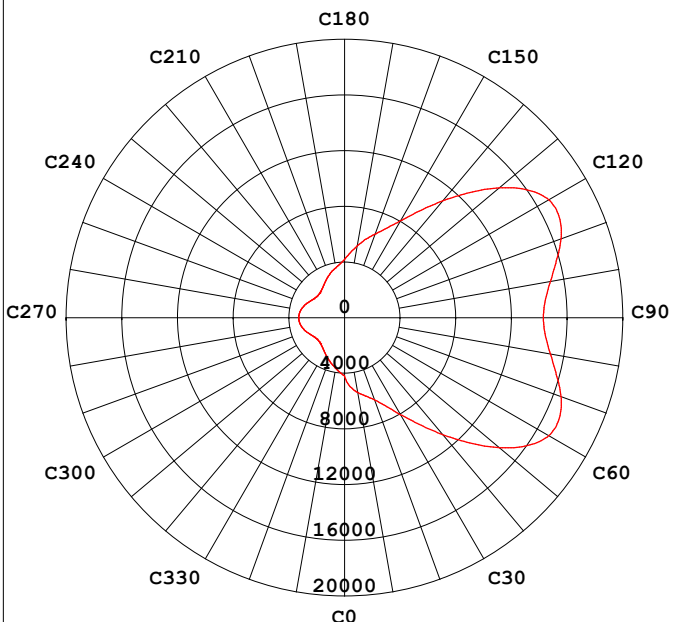
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 171.67 lm/W	
MODEL	/	Imax(cd)	16957	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	26455	η house_up(%)	0.0
NOMINAL FLUX(lm)	26454.6	MAXIMUM @(C,γ)	60,54.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 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

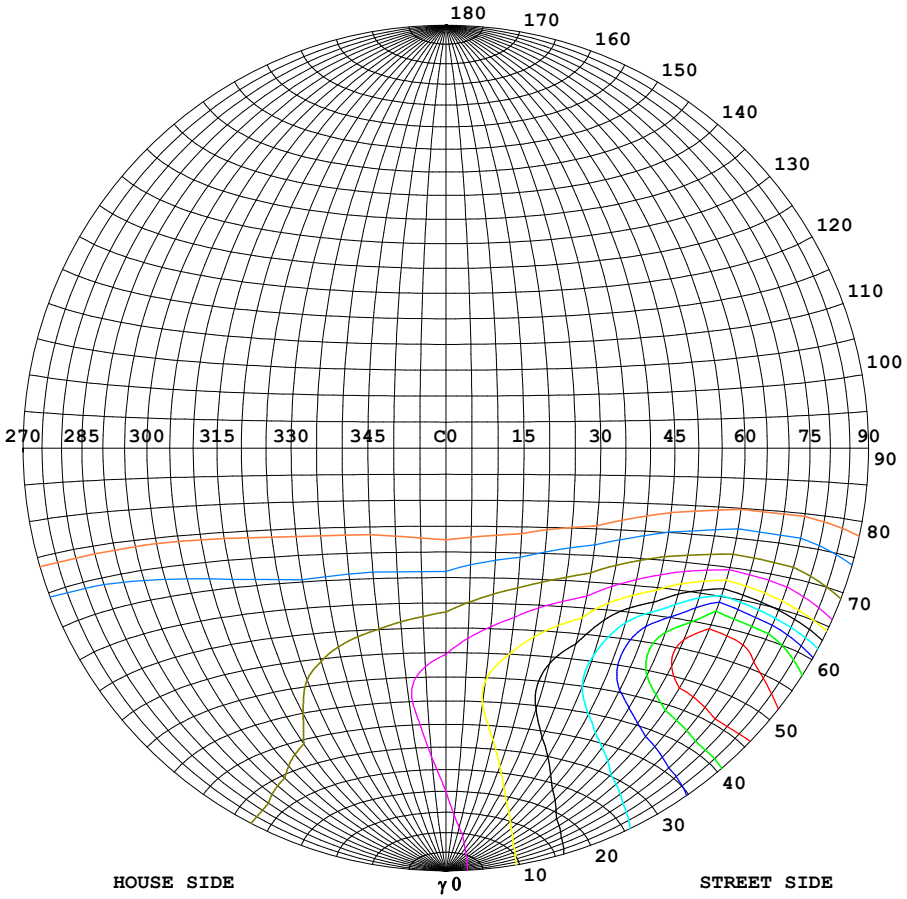


HOUSE SIDE Max @ γ = 54.5DEG STREET SIDE

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:

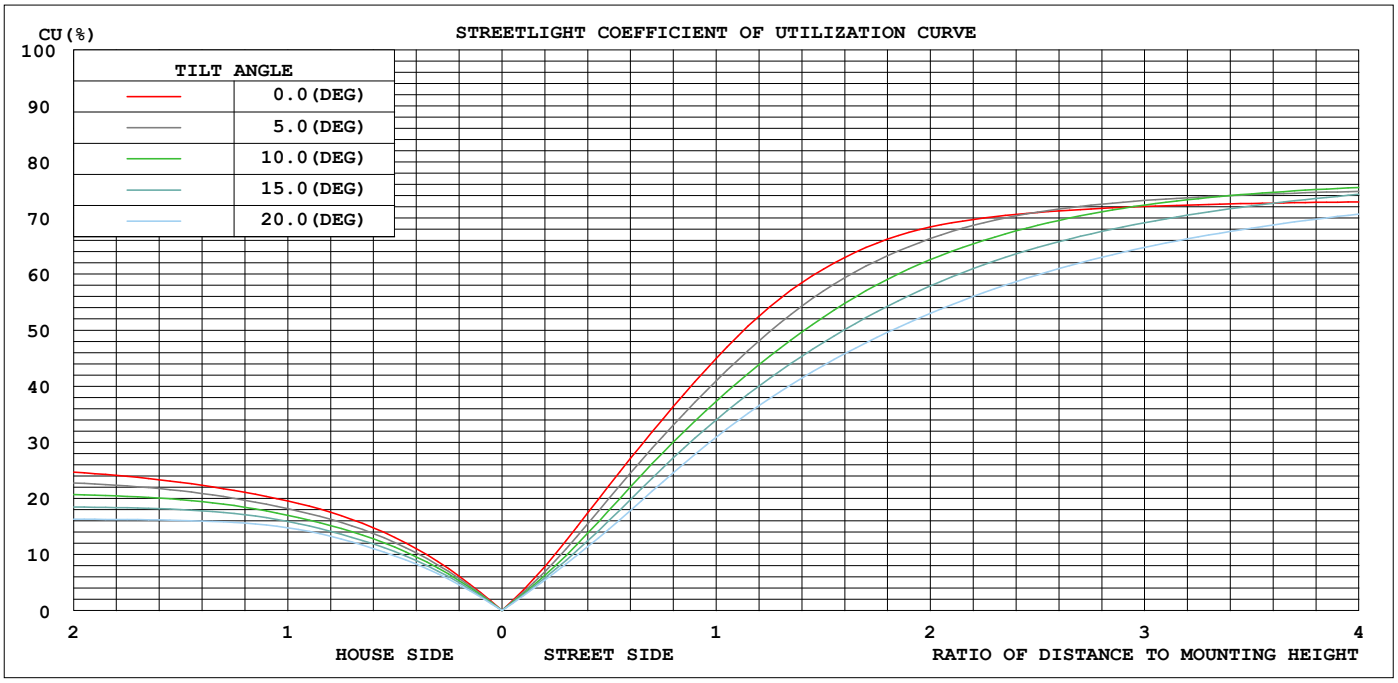
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:30.60cd/klm
Max.At90:1.732cd/klm
Max.80-90:30.60cd/klm

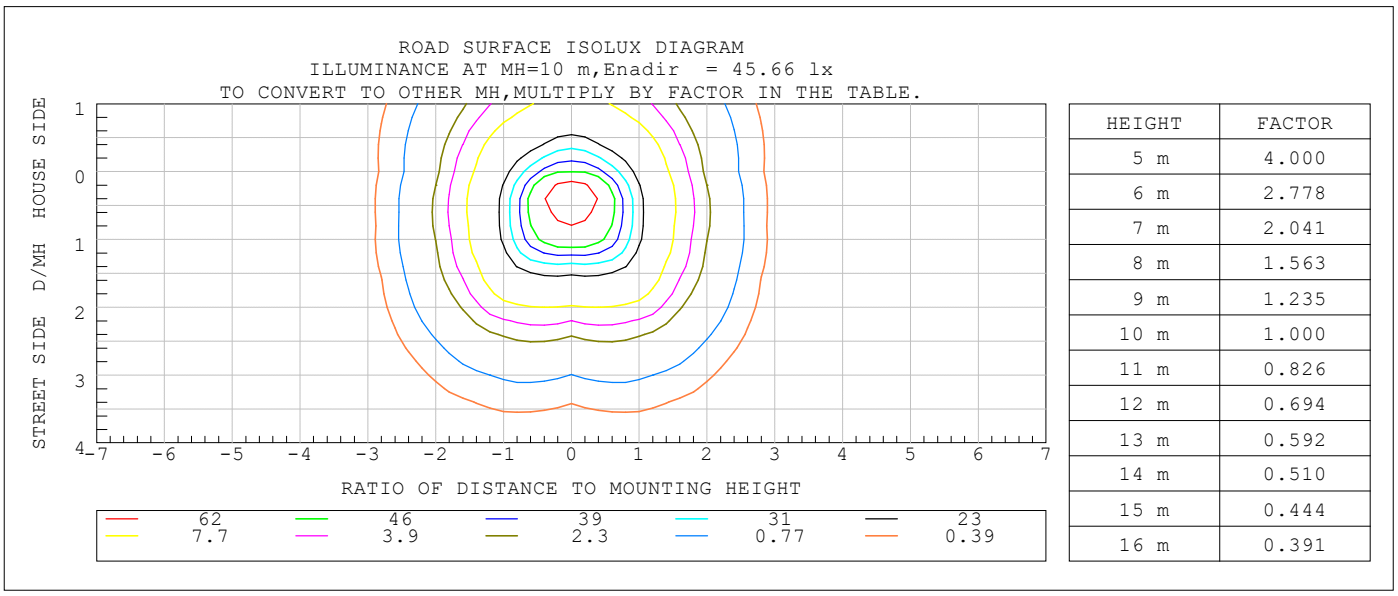
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16957
90%	15261
80%	13566
70%	11870
60%	10174
50%	8479
40%	6783
30%	5087
20%	3391
10%	1696
5%	848

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:

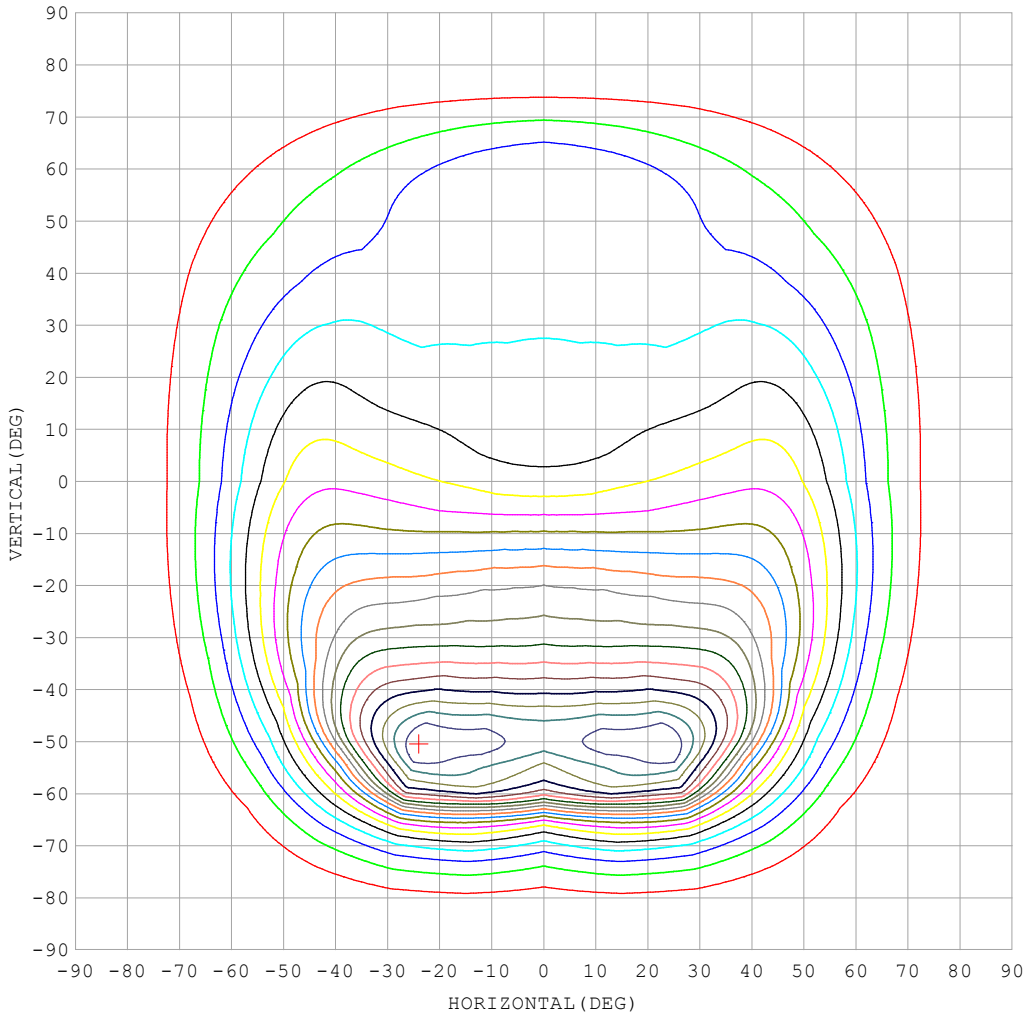
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	479.0	610.7	689.2	610.7	479.0	400.8	394.8	400.8	0- 10	461.4	461.4	1.74,1.74
20	508.7	784.6	932.8	784.6	508.7	390.9	362.4	390.9	10- 20	1560	2022	7.64,7.64
30	543.0	933.5	1077	933.5	543.0	352.3	334.2	352.3	20- 30	2823	4845	18.3,18.3
40	574.8	1072	1333	1072	574.8	320.8	312.3	320.8	30- 40	4188	9033	34.1,34.1
50	503.2	1264	1560	1264	503.2	279.8	303.0	279.8	40- 50	5716	14749	55.8,55.8
60	297.8	1049	1213	1049	297.8	220.4	328.2	220.4	50- 60	6332	21081	79.7,79.7
70	113.0	367.9	299.9	367.9	113.0	128.9	155.9	128.9	60- 70	4018	25099	94.9,94.9
80	27.08	59.47	51.69	59.47	27.08	32.29	29.21	32.29	70- 80	1215	26314	99.5,99.5
90	0.8337	0.2526	0.3294	0.2526	0.8337	3.873	4.319	3.873	80- 90	140.8	26455	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



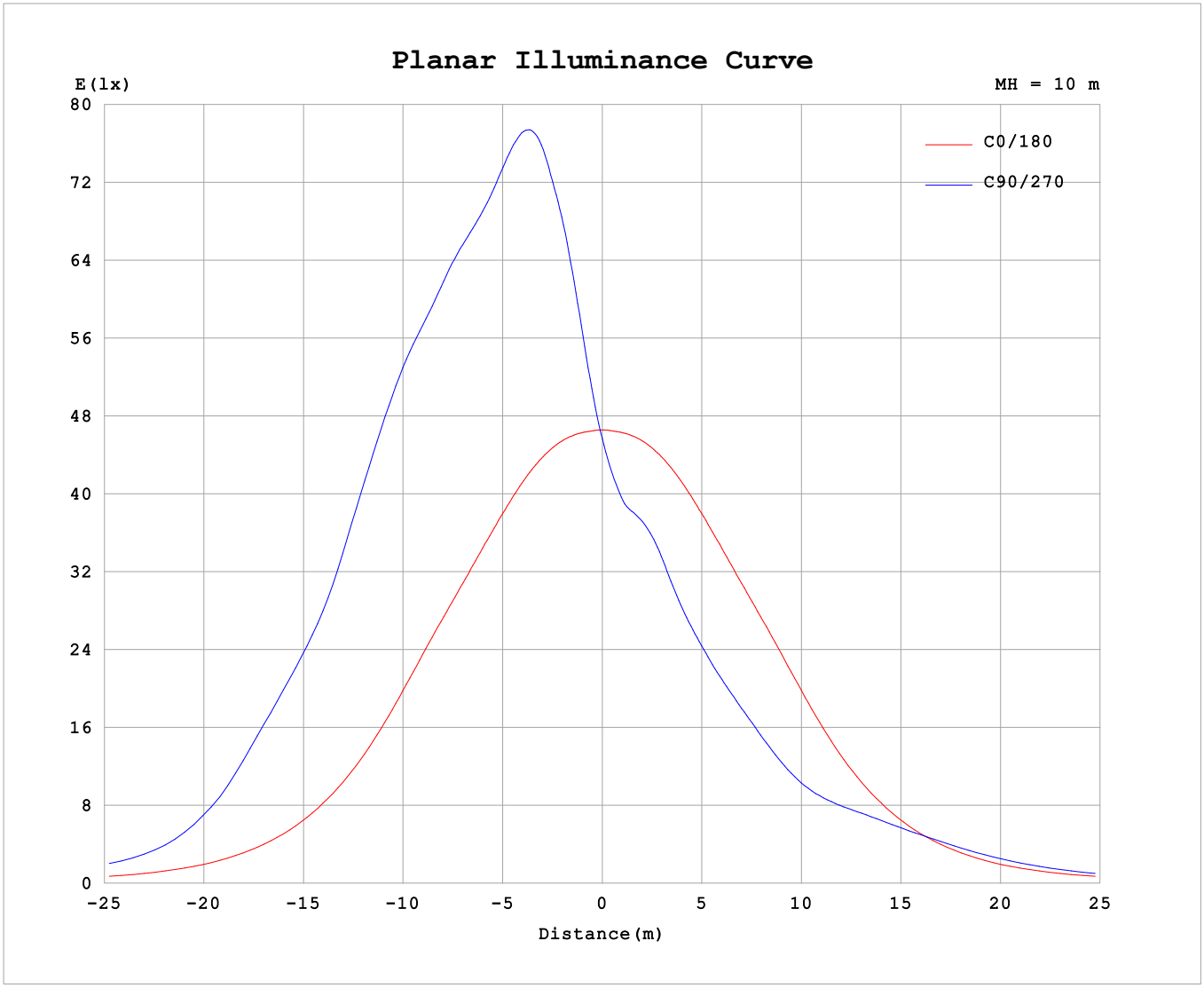
Imax:16955(H-24.0,V-50.5
(At:C=60.0,Gamma=54.5)

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



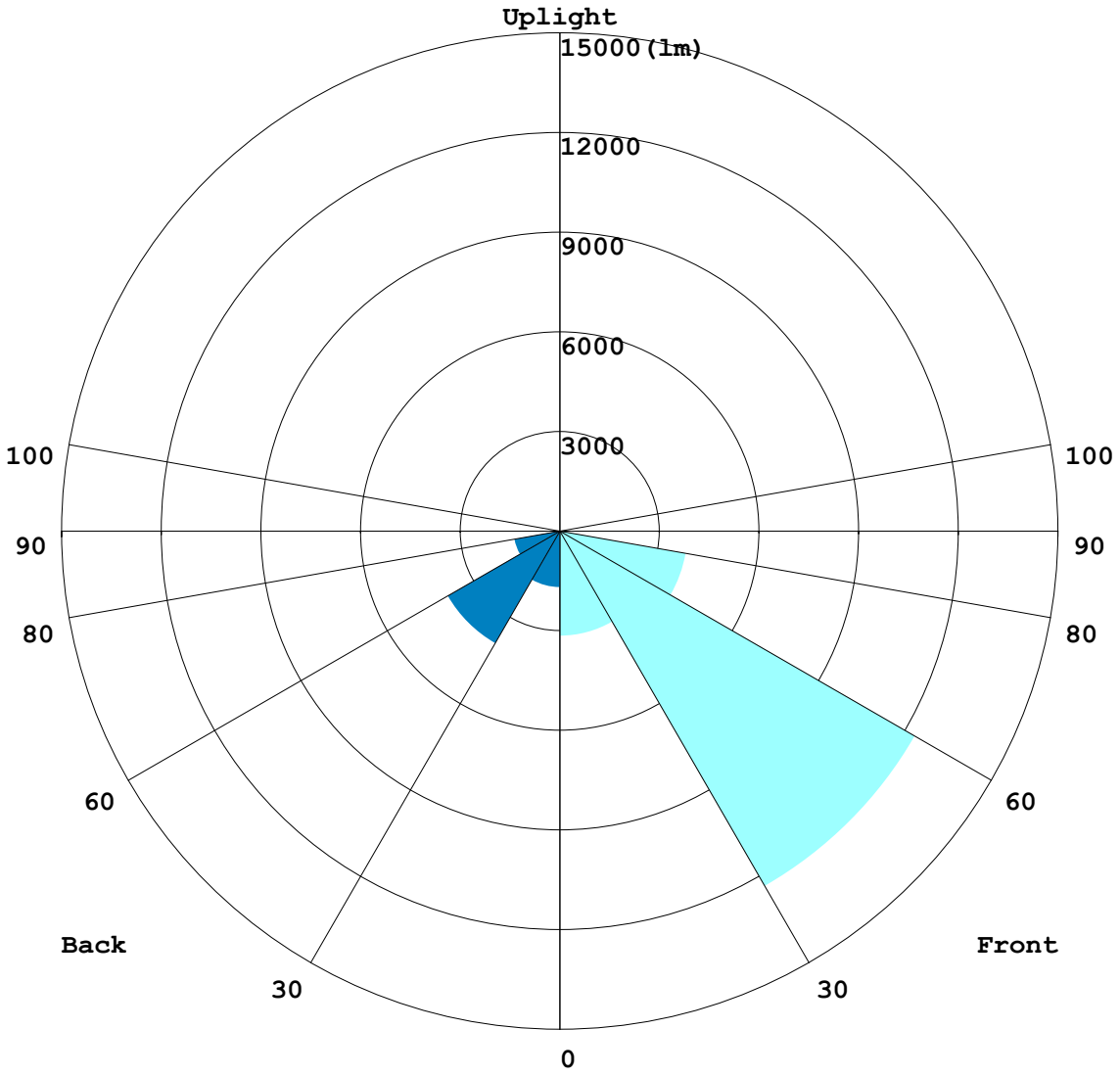
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:26454.6x1 lm		
NAME: FL72-300(150W)-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:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:26454.6x1 lm		
NAME: FL72-300(150W)-F04803	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3152.2	11.9
FM - Front-Medium(30-60)	12338	46.6
FH - Front-High(60-80)	3846.1	14.5
FVH - Front-Very High(80-90)	80.889	0.3
Total Forward Light	19417	73.4
BL - Back-Low(0-30)	1692.7	6.4
BM - Back-Medium(30-60)	3898.5	14.7
BH - Back-High(60-80)	1386.7	5.2
BVH - Back-Very High(80-90)	59.88	0.2
Total Back Light	7037.8	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	B3-U0-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7037.8	0	7037.8
Street Side	19417	0	19417

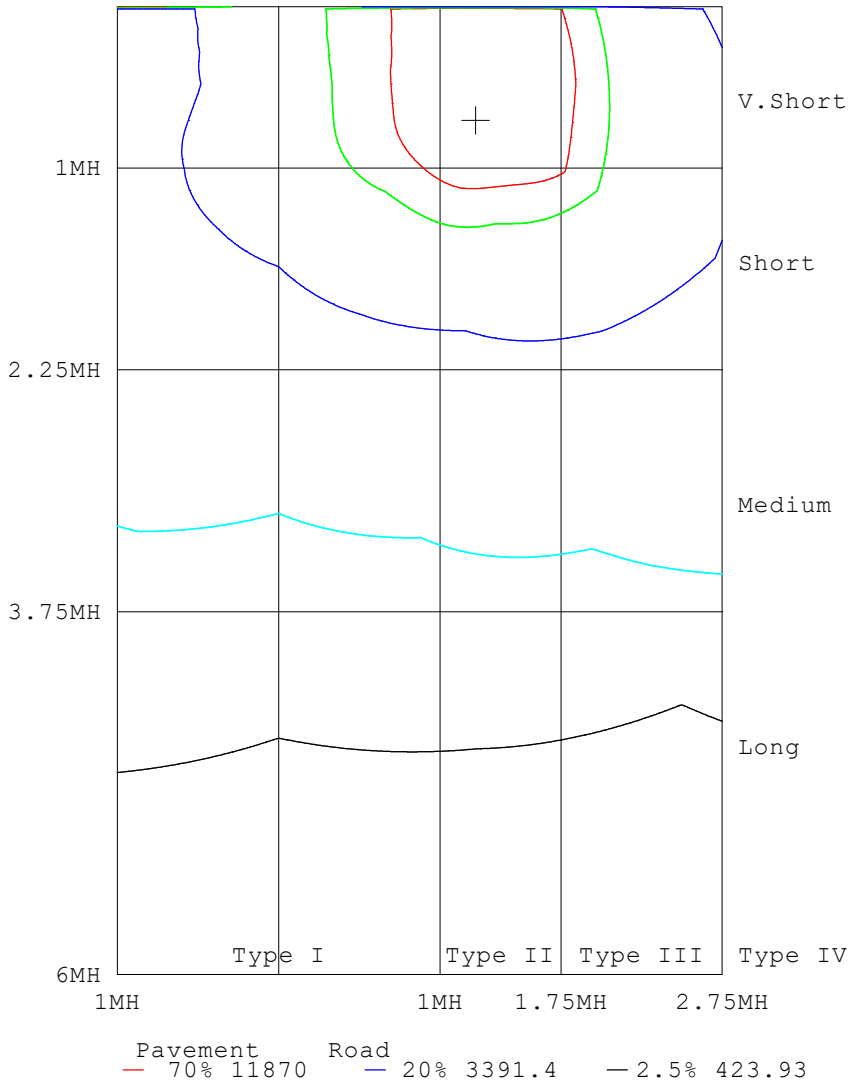
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:26454.6x1 lm		
NAME: FL72-300(150W)-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	466	457	457	456	457	456	457	456	457	456	457	457	466	457	457	456	457	456	457
5	469	480	502	522	541	551	557	551	541	522	502	480	469	443	429	418	411	406	406
10	479	512	561	611	654	678	689	678	654	611	561	512	479	438	414	401	397	395	395
15	493	548	627	703	762	796	816	796	762	703	627	548	493	438	413	401	393	389	388
20	509	586	692	785	868	912	933	912	868	785	692	586	509	443	415	391	374	364	362
25	526	624	750	866	951	990	1008	990	951	866	750	624	526	452	407	370	352	345	345
30	543	662	806	934	1014	1055	1077	1055	1014	934	806	662	543	456	393	352	337	333	334
35	561	701	864	995	1094	1164	1194	1164	1094	995	864	701	561	458	382	337	324	325	327
40	575	732	914	1072	1228	1312	1333	1312	1228	1072	914	732	575	465	374	321	310	311	312
45	561	731	937	1177	1391	1495	1499	1495	1391	1177	937	731	561	456	365	303	287	288	292
50	503	677	906	1264	1593	1637	1560	1637	1593	1264	906	677	503	414	334	280	265	289	303
55	410	571	788	1266	1695	1558	1416	1558	1695	1266	788	571	410	340	283	249	265	310	332
60	298	434	599	1049	1488	1423	1213	1423	1488	1049	599	434	298	257	225	220	259	300	328
65	190	283	399	647	1040	820	604	820	1040	647	399	283	190	186	174	184	211	237	257
70	113	148	232	368	477	424	300	424	477	368	232	148	113	123	121	129	140	150	156
75	61.4	69.7	95.3	171	219	206	144	206	219	171	95.3	69.7	61.4	71.0	71.0	73.9	73.6	71.3	69.5
80	27.1	29.0	30.6	59.5	80.9	76.0	51.7	76.0	80.9	59.5	30.6	29.0	27.1	31.7	31.1	32.3	31.8	30.5	29.2
85	5.99	6.04	5.72	8.65	12.9	12.6	9.00	12.6	12.9	8.65	5.72	6.04	5.99	7.30	7.46	7.95	8.24	8.25	8.14
90	0.83	0.20	0.22	0.25	0.28	0.31	0.33	0.31	0.28	0.25	0.22	0.20	0.83	1.85	2.72	3.87	4.58	4.55	4.32

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	456	457	456	457	457														
5	406	411	418	429	443														
10	395	397	401	414	438														
15	389	393	401	413	438														
20	364	374	391	415	443														
25	345	352	370	407	452														
30	333	337	352	393	456														
35	325	324	337	382	458														
40	311	310	321	374	465														
45	288	287	303	365	456														
50	289	265	280	334	414														
55	310	265	249	283	340														
60	300	259	220	225	257														
65	237	211	184	174	186														
70	150	140	129	121	123														
75	71.3	73.6	73.9	71.0	71.0														
80	30.5	31.8	32.3	31.1	31.7														
85	8.25	8.24	7.95	7.46	7.30														
90	4.55	4.58	3.87	2.72	1.85														

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: