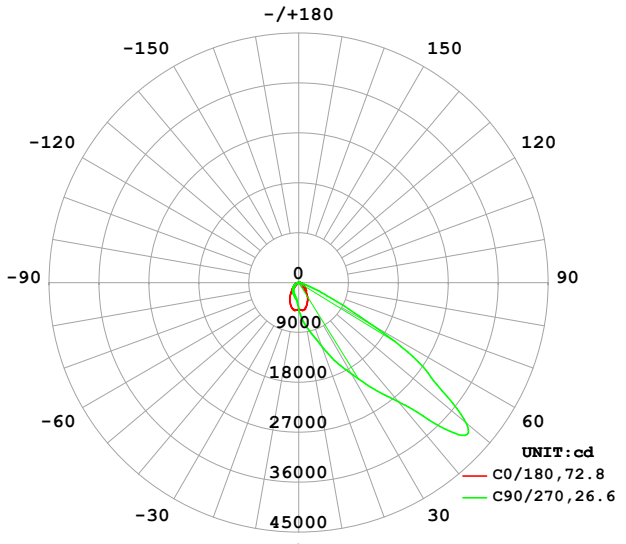
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18614.1x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

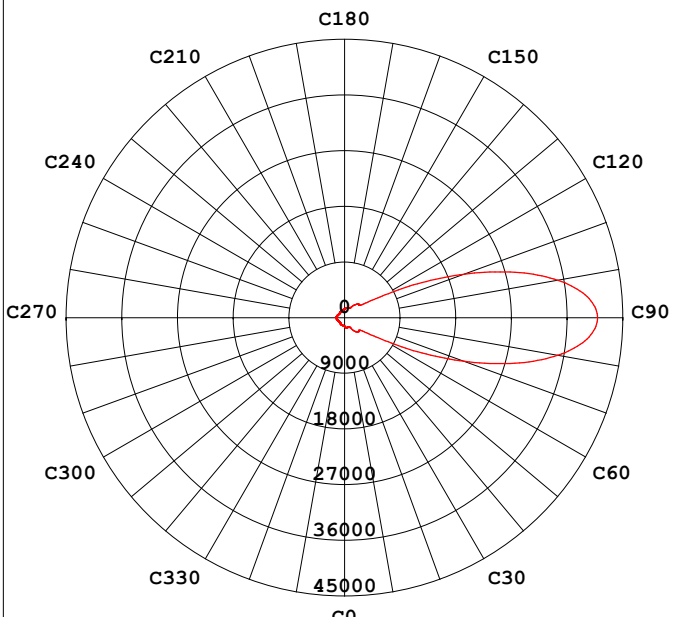
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 120.79 lm/W	
MODEL	/	Imax(cd)	40910	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.2
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	18614	η house_up(%)	0.0
NOMINAL FLUX(lm)	18614.1	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	17.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):49.7 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

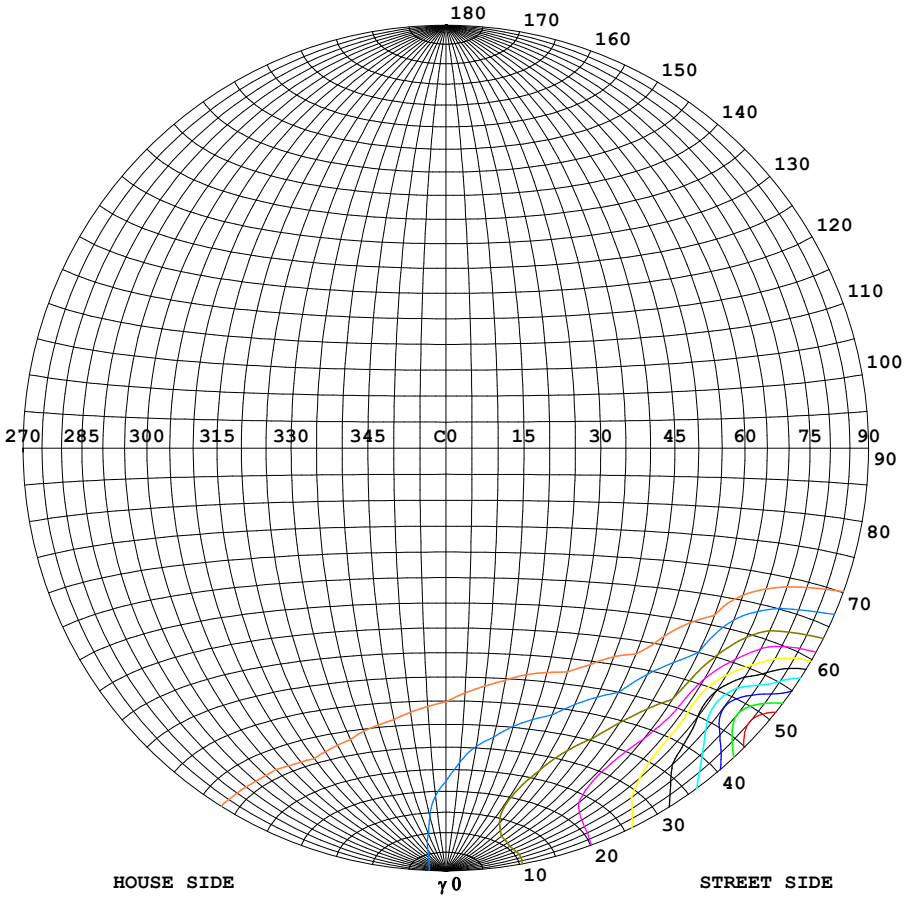


HOUSE SIDE Max @ γ = 48.0DEG STREET SIDE

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:

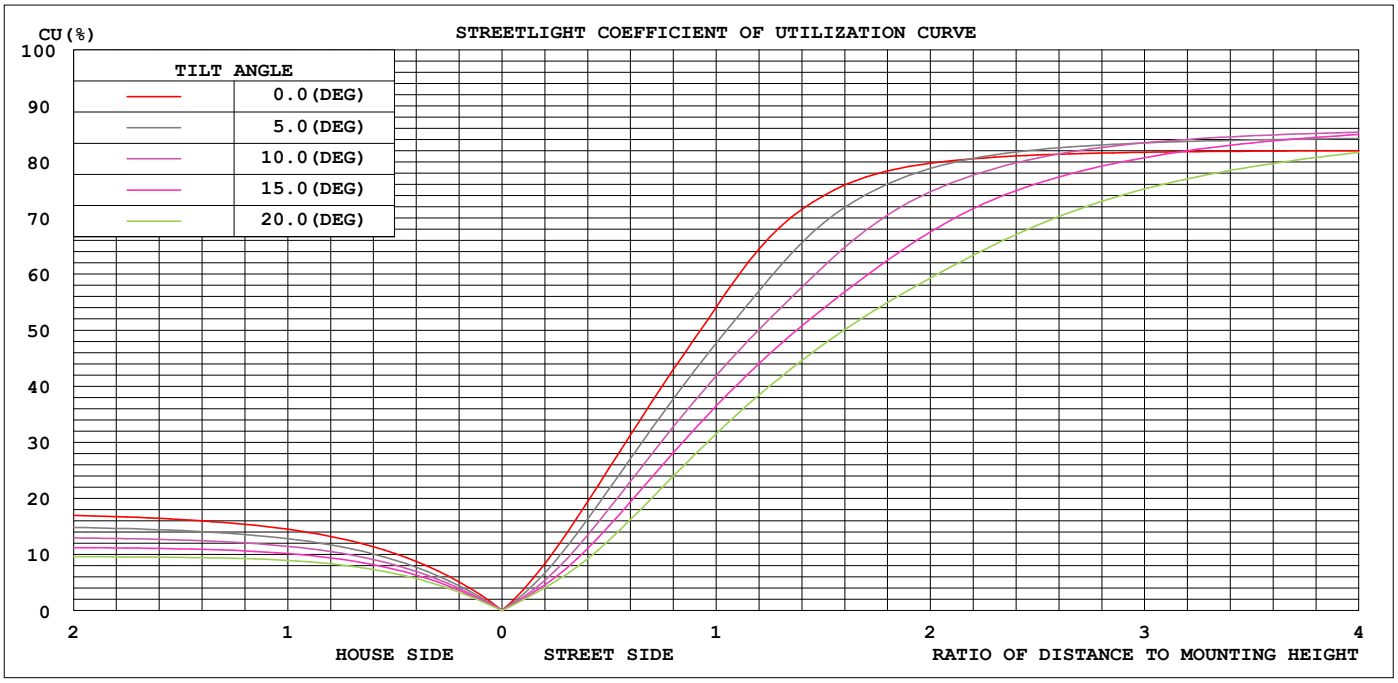
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.28cd/klm
Max.At90:1.522cd/klm
Max.80-90:11.28cd/klm

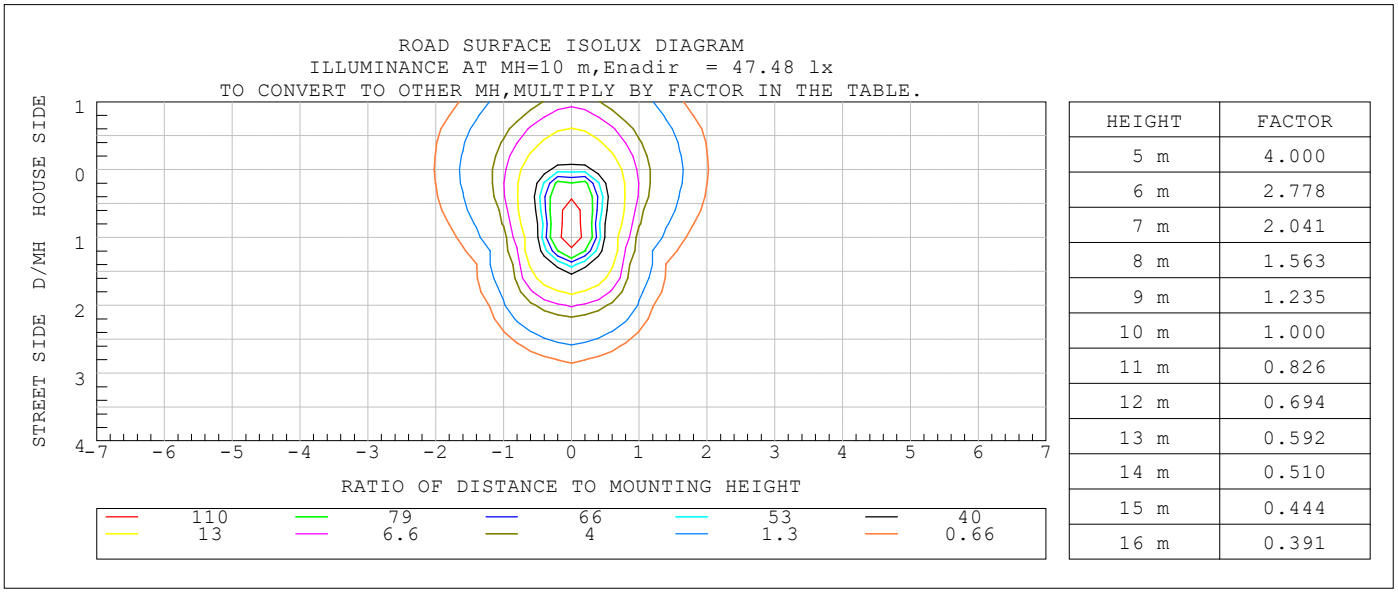
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	40910
90%	36819
80%	32728
70%	28637
60%	24546
50%	20455
40%	16364
30%	12273
20%	8182
10%	4091
5%	2046

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:

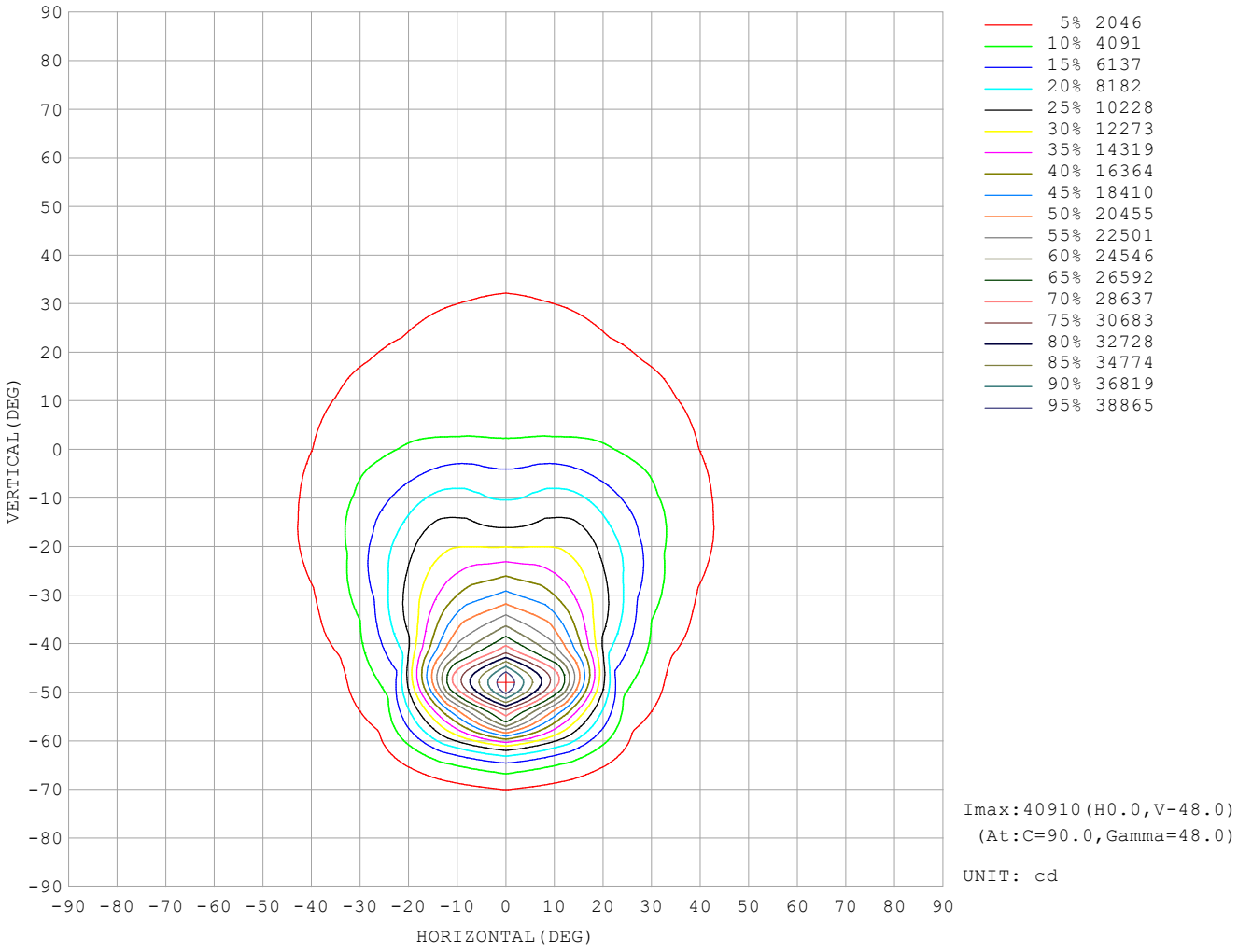
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	505.1	770.7	803.7	770.7	505.1	321.8	298.9	321.8	0- 10	484.1	484.1	2.6,2.6
20	432.8	1020	1220	1020	432.8	267.9	245.8	267.9	10- 20	1638	2122	11.4,11.4
30	331.0	965.0	1897	965.0	331.0	209.8	214.3	209.8	20- 30	2897	5019	27,27
40	202.4	616.9	2809	616.9	202.4	160.4	174.7	160.4	30- 40	3874	8894	47.8,47.8
50	137.4	274.3	3950	274.3	137.4	107.9	132.3	107.9	40- 50	4573	13467	72.3,72.3
60	88.24	93.80	1549	93.80	88.24	73.61	91.90	73.61	50- 60	3452	16920	90.9,90.9
70	52.54	37.48	210.6	37.48	52.54	38.53	41.16	38.53	60- 70	1276	18196	97.8,97.8
80	18.46	9.401	19.49	9.401	18.46	11.63	11.53	11.63	70- 80	361.6	18557	99.7,99.7
90	0.3369	0.0942	0.1478	0.0942	0.3369	0.6162	2.832	0.6162	80- 90	56.95	18614	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:

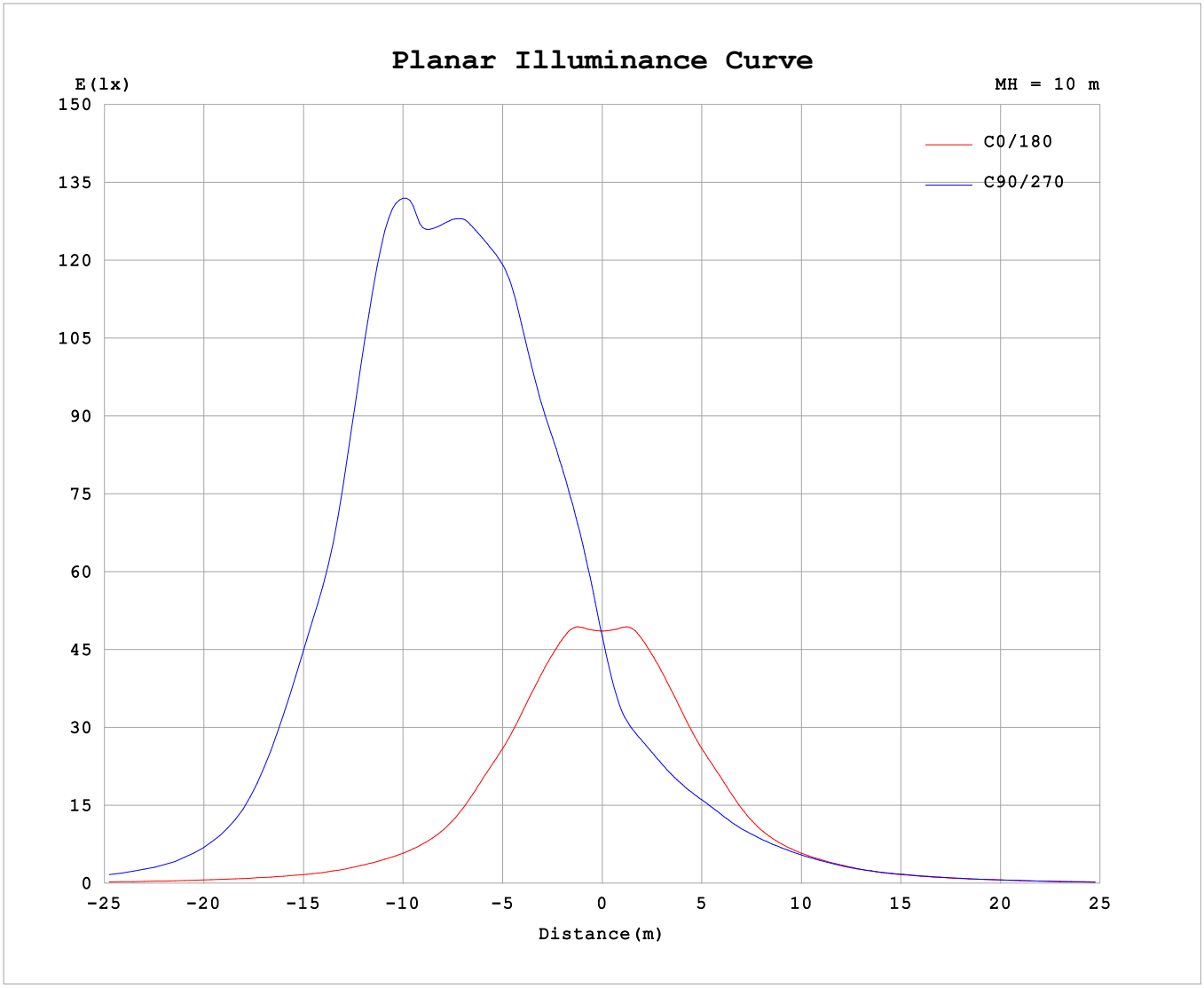
ISOCANDELA DIAGRAM



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



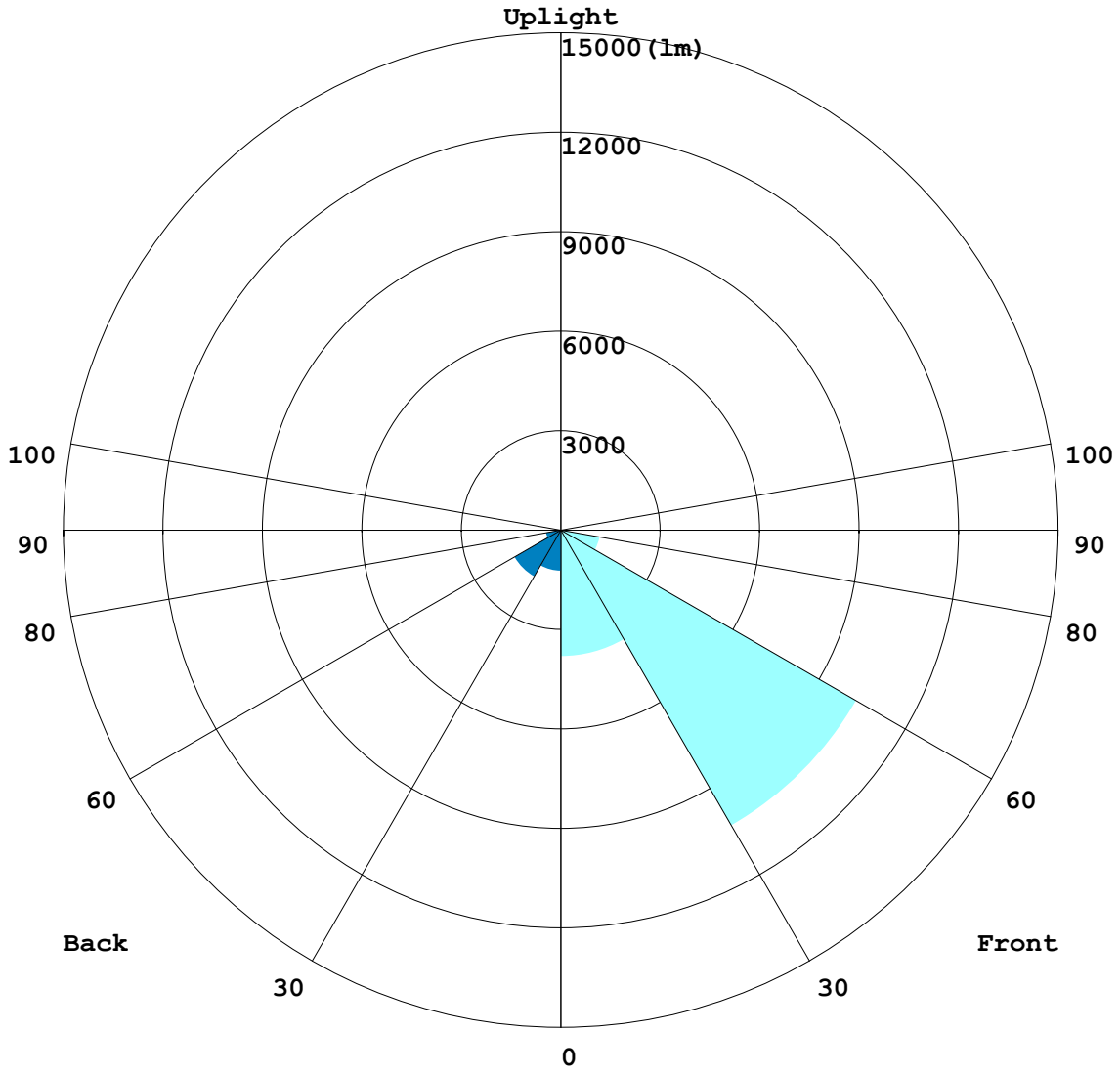
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18614.1x1 lm		
NAME: FL72-300(150W)-F04802-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:0.6833A P:154.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18614.1x1 lm		
NAME: FL72-300(150W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3797.7	20.4
FM - Front-Medium(30-60)	10286	55.3
FH - Front-High(60-80)	1187.6	6.4
FVH - Front-Very High(80-90)	28.247	0.2
Total Forward Light	15299	82.2
BL - Back-Low(0-30)	1221.8	6.6
BM - Back-Medium(30-60)	1614.2	8.7
BH - Back-High(60-80)	450	2.4
BVH - Back-Very High(80-90)	28.704	0.2
Total Back Light	3314.6	17.8
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-G1

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3314.6	0	3314.6
Street Side	15299	0	15299

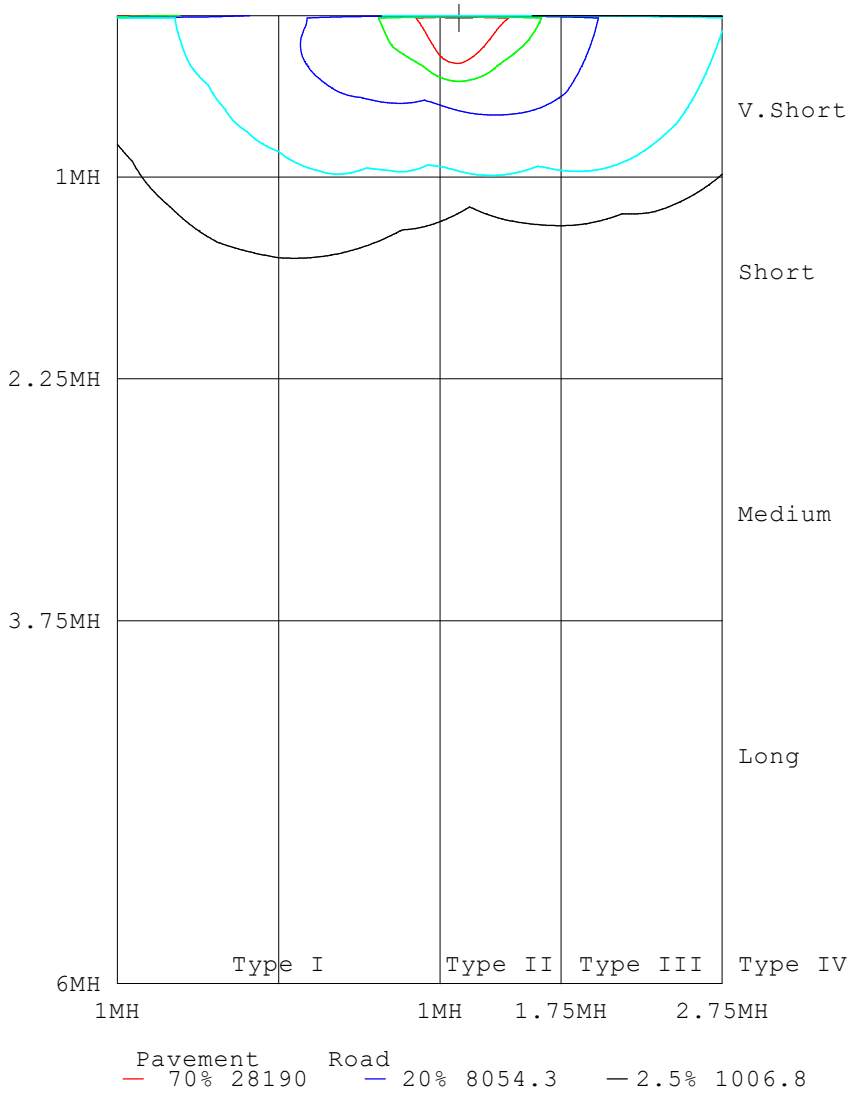
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

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:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18614.1x1 lm		
NAME: FL72-300(150W)-F04802-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	486	473	475	473	476	474	476	474	476	473	475	473	486	473	475	473	476	474	476
5	497	530	574	605	628	637	644	637	628	605	574	530	497	442	408	379	361	349	347
10	505	598	704	771	799	799	804	799	799	771	704	598	505	407	353	322	307	300	299
15	477	613	791	921	978	973	976	973	978	921	791	613	477	365	317	293	281	273	271
20	433	579	807	1020	1138	1190	1220	1190	1138	1020	807	579	433	331	291	268	254	247	246
25	379	518	752	1034	1256	1455	1562	1455	1256	1034	752	518	379	292	258	239	231	228	229
30	331	455	661	965	1311	1694	1897	1694	1311	965	661	455	331	255	224	210	210	210	214
35	263	355	527	828	1288	1959	2328	1959	1288	828	527	355	263	216	194	184	187	188	192
40	202	258	362	617	1155	2211	2809	2211	1155	617	362	258	202	177	165	160	156	168	175
45	166	201	252	408	886	2632	3732	2632	886	408	252	201	166	148	142	131	131	147	156
50	137	144	151	274	602	2718	3950	2718	602	274	151	144	137	124	120	108	109	122	132
55	106	109	112	143	408	1735	2855	1735	408	143	112	109	106	103	94.6	90.2	88.9	99.8	109
60	88.2	85.7	83.7	93.8	249	1010	1549	1010	249	93.8	83.7	85.7	88.2	84.3	76.0	73.6	71.4	81.7	91.9
65	70.2	67.8	61.2	59.7	140	417	565	417	140	59.7	61.2	67.8	70.2	71.5	60.5	55.4	52.4	60.3	68.1
70	52.5	46.4	43.3	37.5	75.0	149	211	149	75.0	37.5	43.3	46.4	52.5	53.8	46.5	38.5	34.9	36.9	41.2
75	38.3	33.6	48.5	20.2	32.7	49.5	66.2	49.5	32.7	20.2	48.5	33.6	38.3	36.6	32.0	24.1	21.0	22.1	24.2
80	18.5	15.4	15.5	9.40	10.9	13.8	19.5	13.8	10.9	9.40	15.5	15.4	18.5	21.0	15.9	11.6	10.8	10.7	11.5
85	7.50	3.85	9.91	2.16	1.77	2.36	3.63	2.36	1.77	2.16	9.91	3.85	7.50	4.28	3.51	3.02	3.11	3.66	4.20
90	0.34	0.09	0.09	0.09	0.11	0.13	0.15	0.13	0.11	0.09	0.09	0.09	0.34	0.55	0.52	0.62	1.19	2.22	2.83

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	474	476	473	475	473														
5	349	361	379	408	442														
10	300	307	322	353	407														
15	273	281	293	317	365														
20	247	254	268	291	331														
25	228	231	239	258	292														
30	210	210	210	224	255														
35	188	187	184	194	216														
40	168	156	160	165	177														
45	147	131	131	142	148														
50	122	109	108	120	124														
55	99.8	88.9	90.2	94.6	103														
60	81.7	71.4	73.6	76.0	84.3														
65	60.3	52.4	55.4	60.5	71.5														
70	36.9	34.9	38.5	46.5	53.8														
75	22.1	21.0	24.1	32.0	36.6														
80	10.7	10.8	11.6	15.9	21.0														
85	3.66	3.11	3.02	3.51	4.28														
90	2.22	1.19	0.62	0.52	0.55														

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: