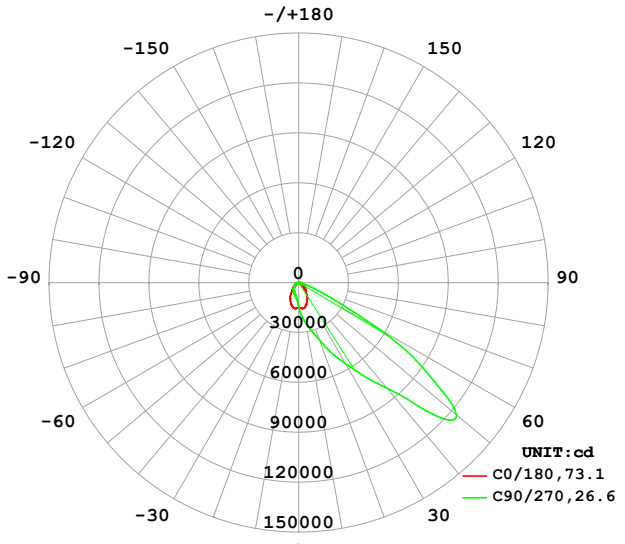
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57912x1 lm		
NAME: FL72-500(500W)-F04802-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

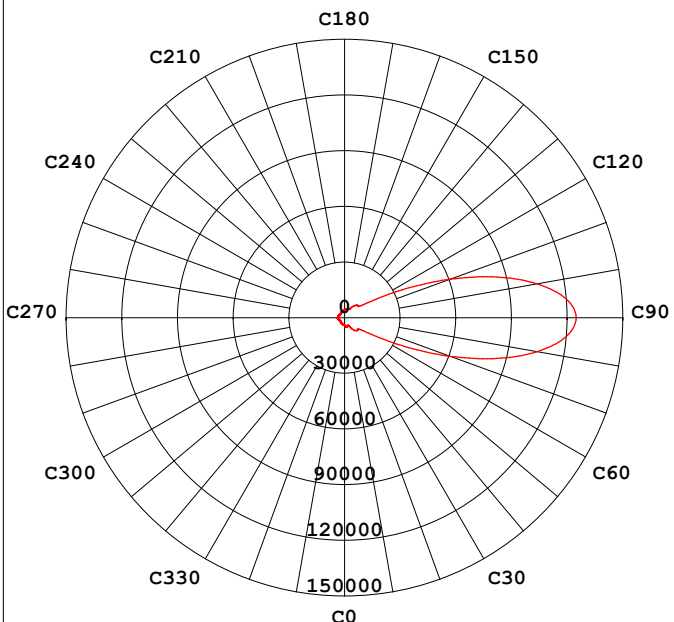
DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.44 lm/W			
MODEL	/	Imax(cd)	124841	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	82.6
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	57912	η house_up(%)	0.0
NOMINAL FLUX(lm)	57912	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	17.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):49.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

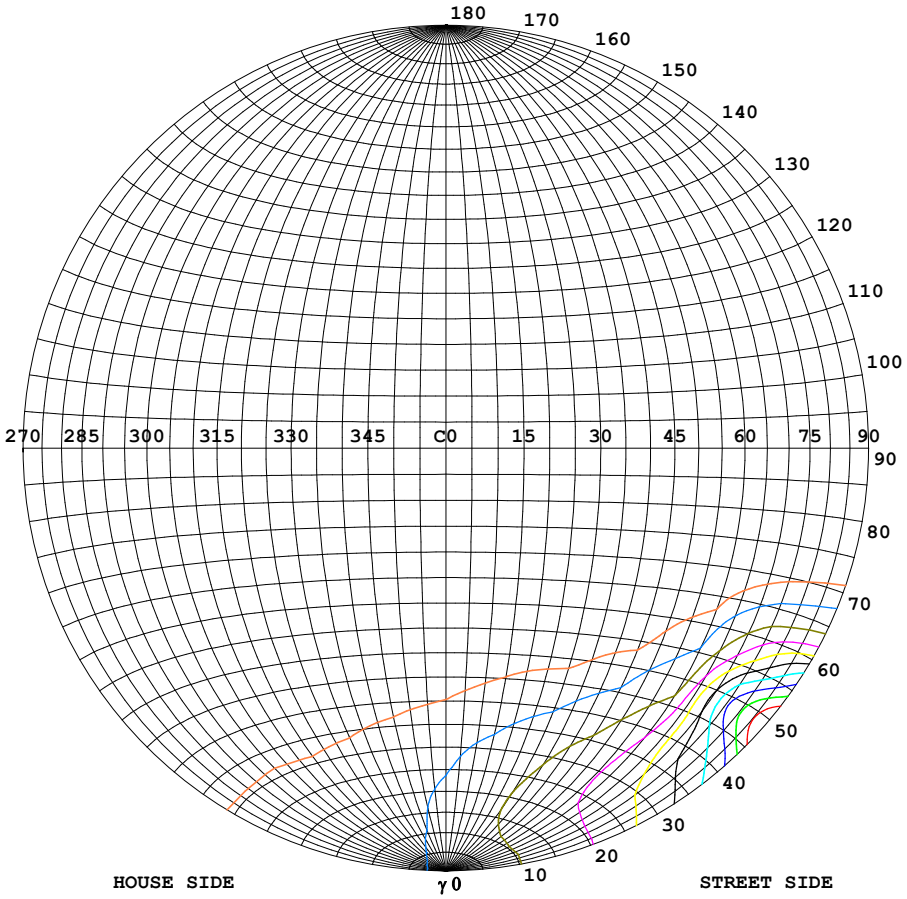


HOUSE SIDE Max @ γ = 49.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:

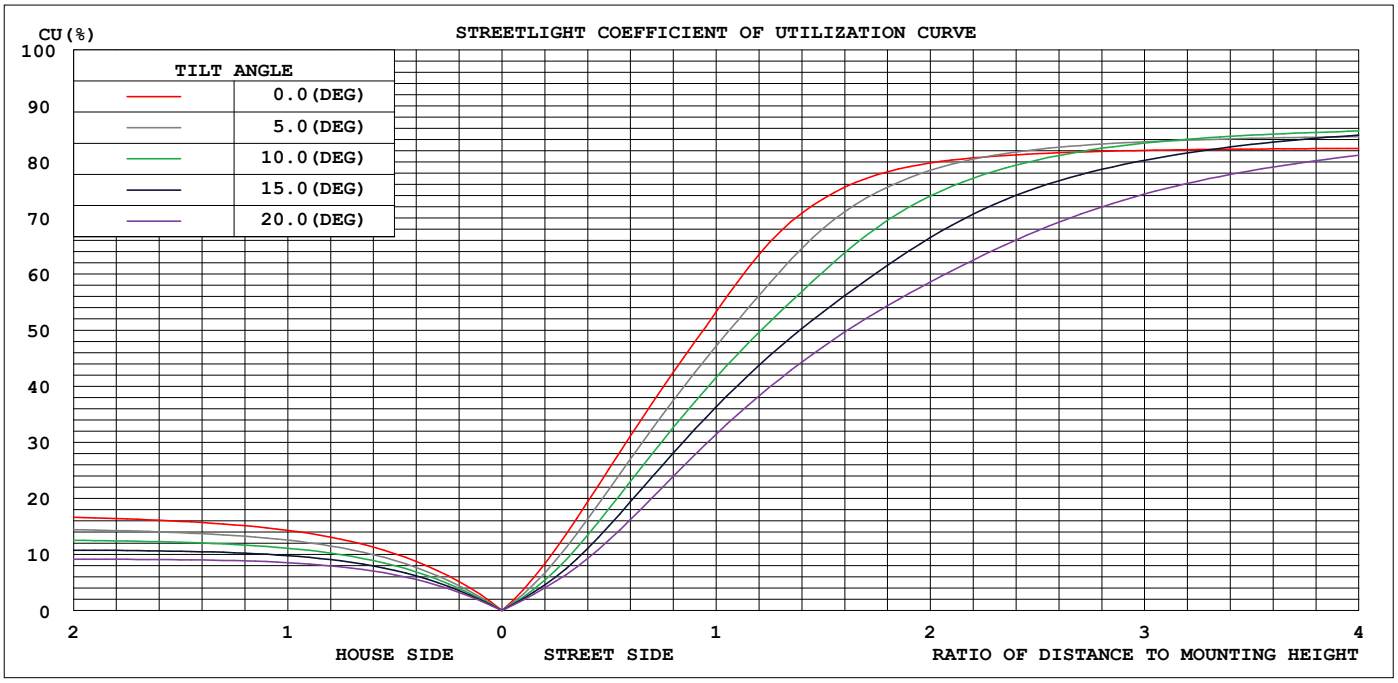
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.99cd/klm
Max.At90:1.705cd/klm
Max.80-90:12.99cd/klm

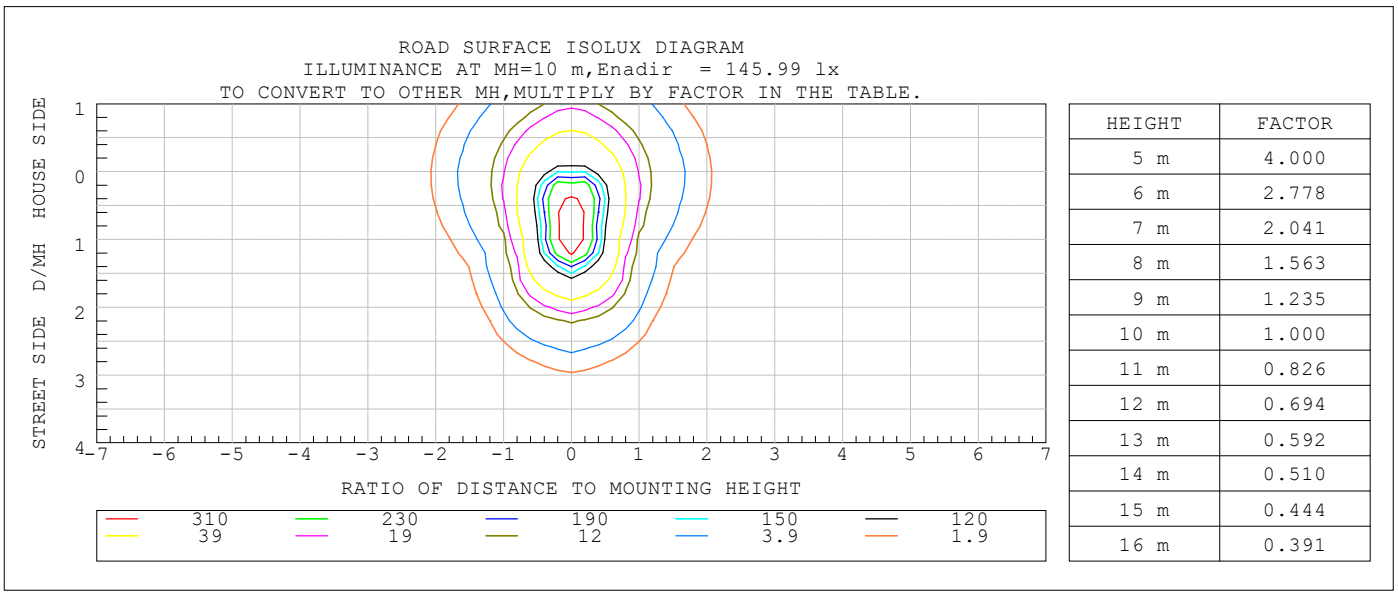
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	124841
90%	112357
80%	99873
70%	87389
60%	74905
50%	62420
40%	49936
30%	37452
20%	24968
10%	12484
5%	6242

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2026-01-16

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:

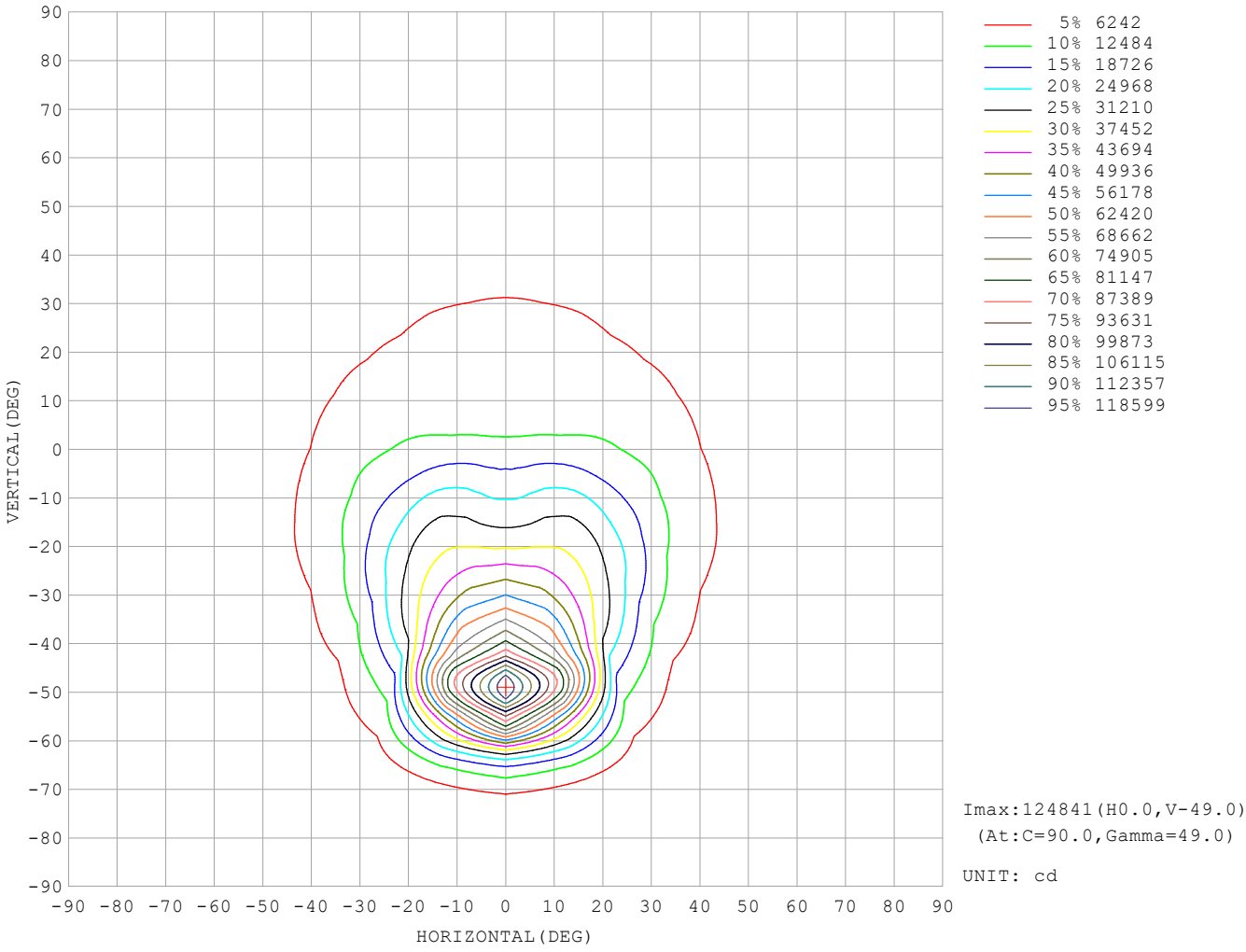
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	157.8	236.0	246.5	236.0	157.8	100.8	93.06	100.8	0- 10	1492	1492	2.58,2.58
20	137.3	314.8	367.5	314.8	137.3	83.10	75.26	83.10	10- 20	5060	6552	11.3,11.3
30	104.3	301.9	561.5	301.9	104.3	64.87	64.68	64.87	20- 30	8901	15453	26.7,26.7
40	63.17	198.3	828.7	198.3	63.17	48.55	51.42	48.55	30- 40	11797	27250	47.1,47.1
50	42.77	90.61	1238	90.61	42.77	31.91	38.36	31.91	40- 50	13866	41116	71,71
60	27.63	32.22	553.3	32.22	27.63	21.00	26.45	21.00	50- 60	11146	52262	90.2,90.2
70	16.26	13.25	78.80	13.25	16.26	11.16	11.77	11.16	60- 70	4255	56517	97.6,97.6
80	5.888	3.462	7.521	3.462	5.888	3.406	3.133	3.406	70- 80	1201	57718	99.7,99.7
90	0.0997	0.0253	0.0305	0.0253	0.0997	0.2149	0.9875	0.2149	80- 90	194.2	57912	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:X100cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:

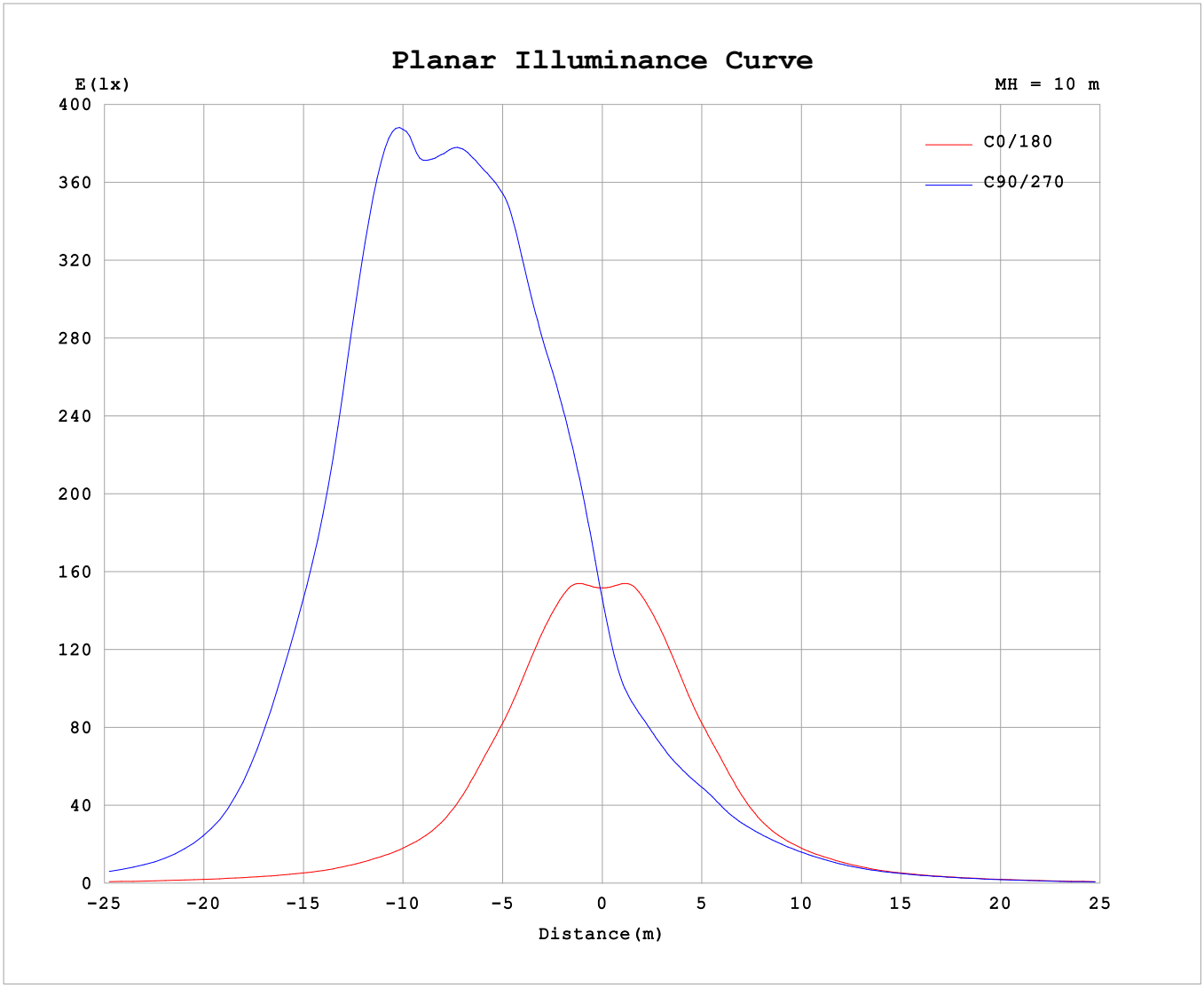
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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



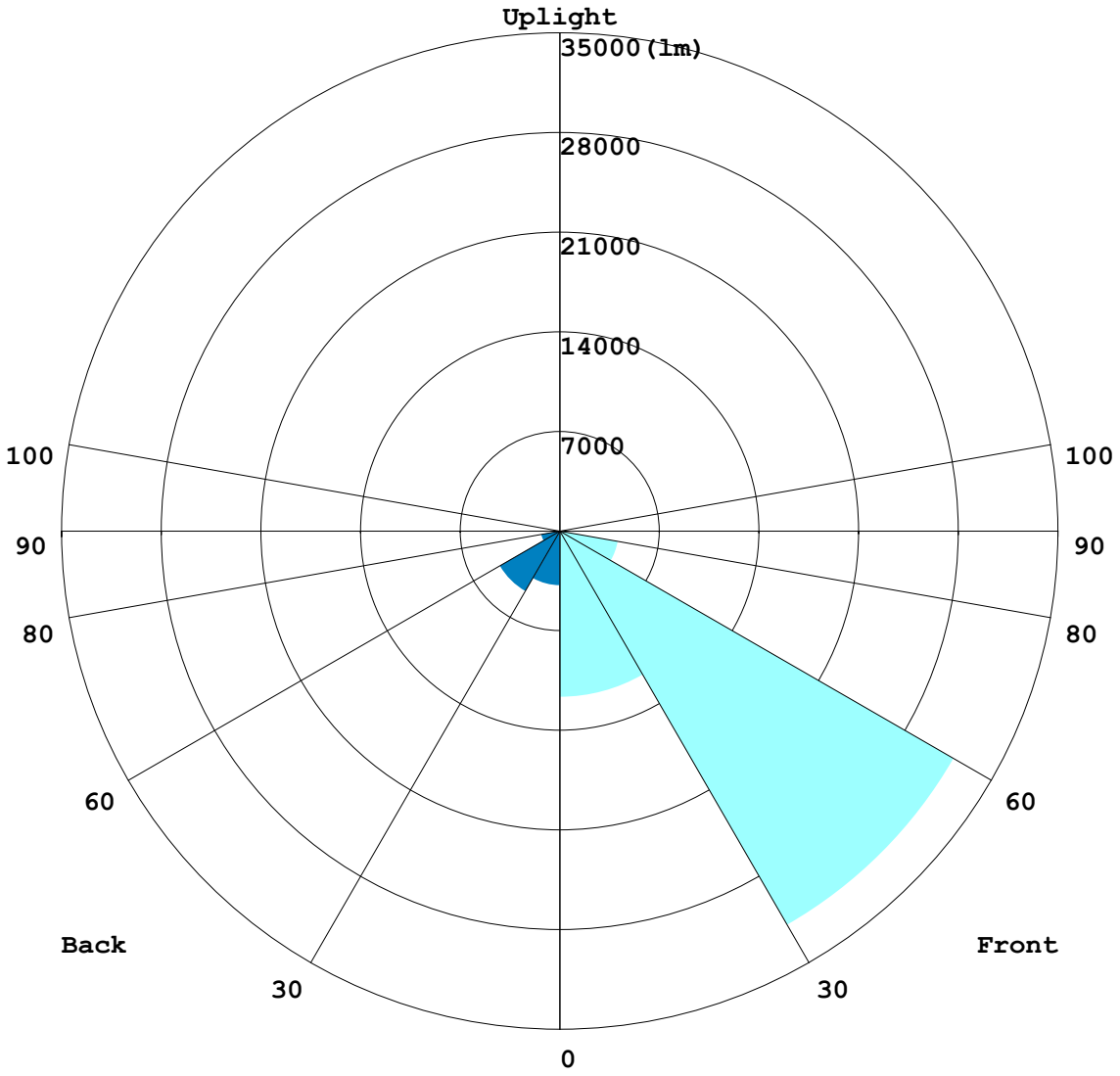
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57912x1 lm		
NAME: FL72-500(500W)-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:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57912x1 lm		
NAME: FL72-500(500W)-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)	11647	20.1
FM - Front-Medium(30-60)	31948	55.2
FH - Front-High(60-80)	4145.7	7.2
FVH - Front-Very High(80-90)	106.45	0.2
Total Forward Light	47846	82.6

BL - Back-Low(0-30)	3806.1	6.6
BM - Back-Medium(30-60)	4861.5	8.4
BH - Back-High(60-80)	1310.1	2.3
BVH - Back-Very High(80-90)	87.728	0.2
Total Back Light	10065	17.4

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	10065	0	10065
Street Side	47846	0	47846

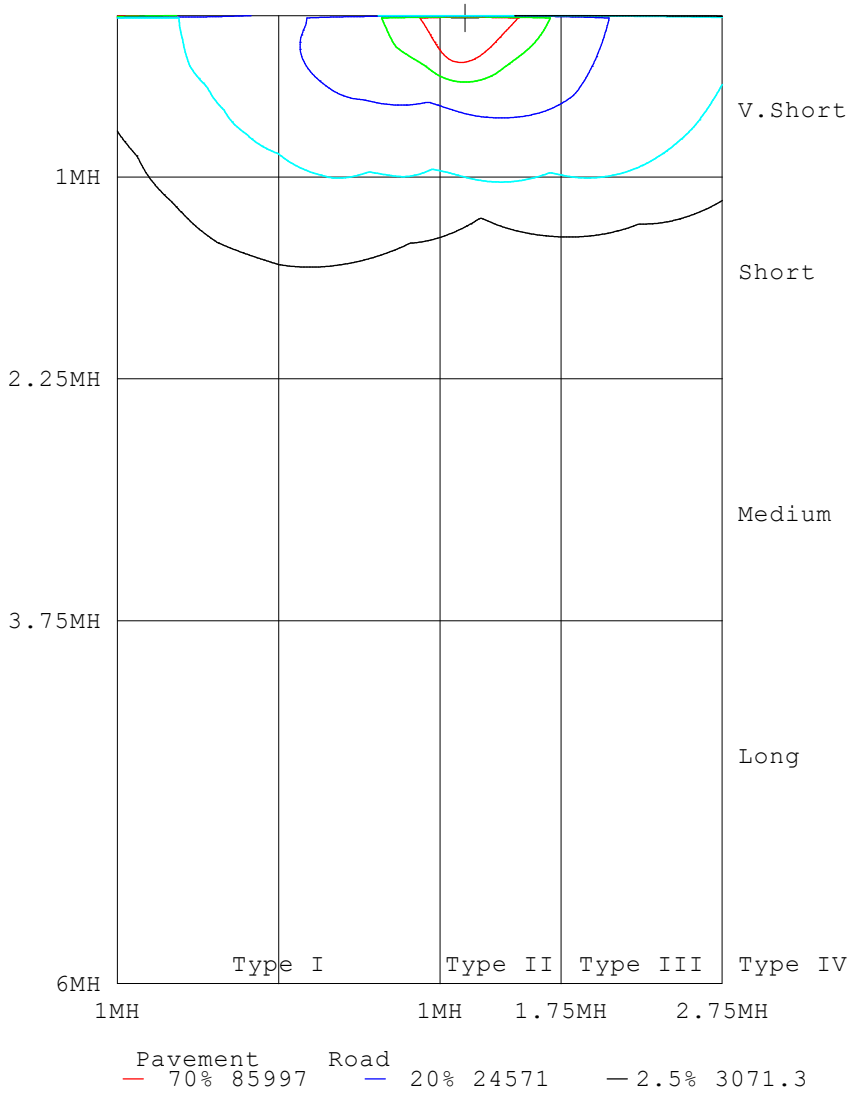
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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:2.1864A P:493.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57912x1 lm		
NAME: FL72-500(500W)-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:2026-01-16

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: X100cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	152	146	146	146	146	146	146	146	146	146	146	146	152	146	146	146	146	146	146
5	155	163	176	185	192	194	197	194	192	185	176	163	155	137	127	118	113	109	109
10	158	183	215	236	245	245	247	245	245	236	215	183	158	127	110	101	96.0	93.5	93.1
15	151	190	244	284	300	298	298	298	300	284	244	190	151	115	99.7	91.4	86.9	84.2	83.5
20	137	181	251	315	349	362	367	362	349	315	251	181	137	105	91.2	83.1	78.3	75.8	75.3
25	120	162	235	321	384	439	466	439	384	321	235	162	120	91.9	80.5	73.9	71.4	70.2	70.4
30	104	143	208	302	399	507	562	507	399	302	208	143	104	80.1	69.3	64.9	65.0	64.2	64.7
35	82.7	112	168	261	393	582	686	582	393	261	168	112	82.7	67.5	59.6	56.7	56.1	55.9	56.7
40	63.2	81.9	117	198	357	655	829	655	357	198	117	81.9	63.2	54.9	50.7	48.6	46.4	49.8	51.4
45	51.3	63.4	81.5	134	280	768	1095	768	280	134	81.5	63.4	51.3	45.4	43.2	38.9	38.7	43.0	45.6
50	42.8	46.4	50.5	90.6	195	834	1238	834	195	90.6	50.5	46.4	42.8	38.1	35.9	31.9	31.8	35.6	38.4
55	33.3	35.0	37.0	49.6	133	573	935	573	133	49.6	37.0	35.0	33.3	31.6	27.8	26.3	25.6	28.8	31.4
60	27.6	27.9	28.1	32.2	84.1	334	553	334	84.1	32.2	28.1	27.9	27.6	25.2	22.2	21.0	20.3	23.4	26.4
65	21.8	22.2	20.8	20.9	47.9	148	202	148	47.9	20.9	20.8	22.2	21.8	20.7	17.5	15.7	15.0	17.5	20.0
70	16.3	15.6	14.9	13.2	26.2	54.7	78.8	54.7	26.2	13.2	14.9	15.6	16.3	15.5	13.2	11.2	10.0	10.6	11.8
75	11.8	11.8	16.4	7.41	11.8	18.2	24.4	18.2	11.8	7.41	16.4	11.8	11.8	10.7	9.44	7.09	6.04	6.16	6.68
80	5.89	5.67	6.06	3.46	4.04	5.24	7.52	5.24	4.04	3.46	6.06	5.67	5.89	6.21	4.94	3.41	3.03	2.96	3.13
85	2.54	1.87	3.76	0.87	0.68	0.93	1.51	0.93	0.68	0.87	3.76	1.87	2.54	1.53	1.21	0.93	0.89	1.03	1.19
90	0.10	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.10	0.18	0.18	0.21	0.42	0.78	0.99

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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: X100cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	146	146	146	146	146														
5	109	113	118	127	137														
10	93.5	96.0	101	110	127														
15	84.2	86.9	91.4	99.7	115														
20	75.8	78.3	83.1	91.2	105														
25	70.2	71.4	73.9	80.5	91.9														
30	64.2	65.0	64.9	69.3	80.1														
35	55.9	56.1	56.7	59.6	67.5														
40	49.8	46.4	48.6	50.7	54.9														
45	43.0	38.7	38.9	43.2	45.4														
50	35.6	31.8	31.9	35.9	38.1														
55	28.8	25.6	26.3	27.8	31.6														
60	23.4	20.3	21.0	22.2	25.2														
65	17.5	15.0	15.7	17.5	20.7														
70	10.6	10.0	11.2	13.2	15.5														
75	6.16	6.04	7.09	9.44	10.7														
80	2.96	3.03	3.41	4.94	6.21														
85	1.03	0.89	0.93	1.21	1.53														
90	0.78	0.42	0.21	0.18	0.18														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-16

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: