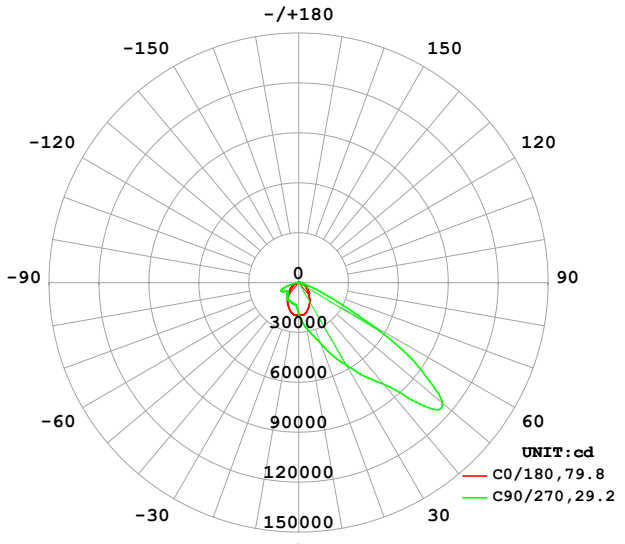
STREETLIGHT PHOTOMETRIC TEST REPORT

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:71135.2x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

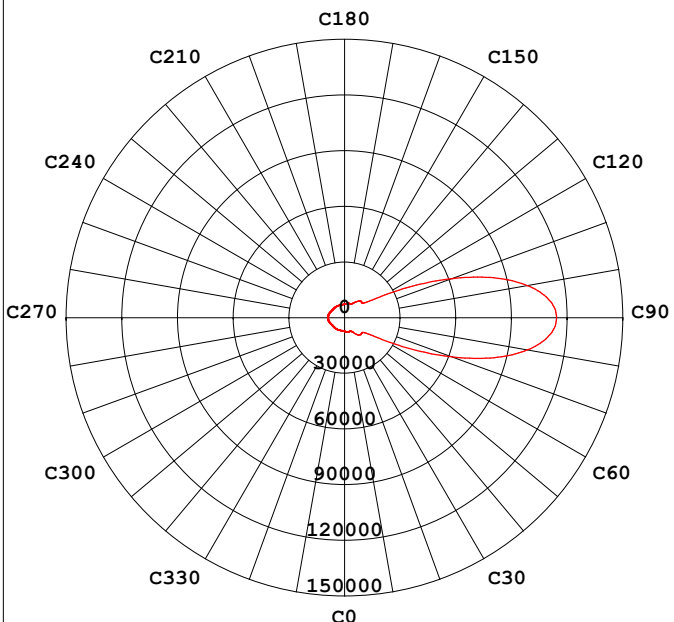
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 144.26 lm/W	
MODEL	/	Imax(cd)	114199	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	72.4
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	71135	η house_up(%)	0.0
NOMINAL FLUX(lm)	71135.2	MAXIMUM @(C,γ)	90,48.5	η house_down(%)	27.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):54.5 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

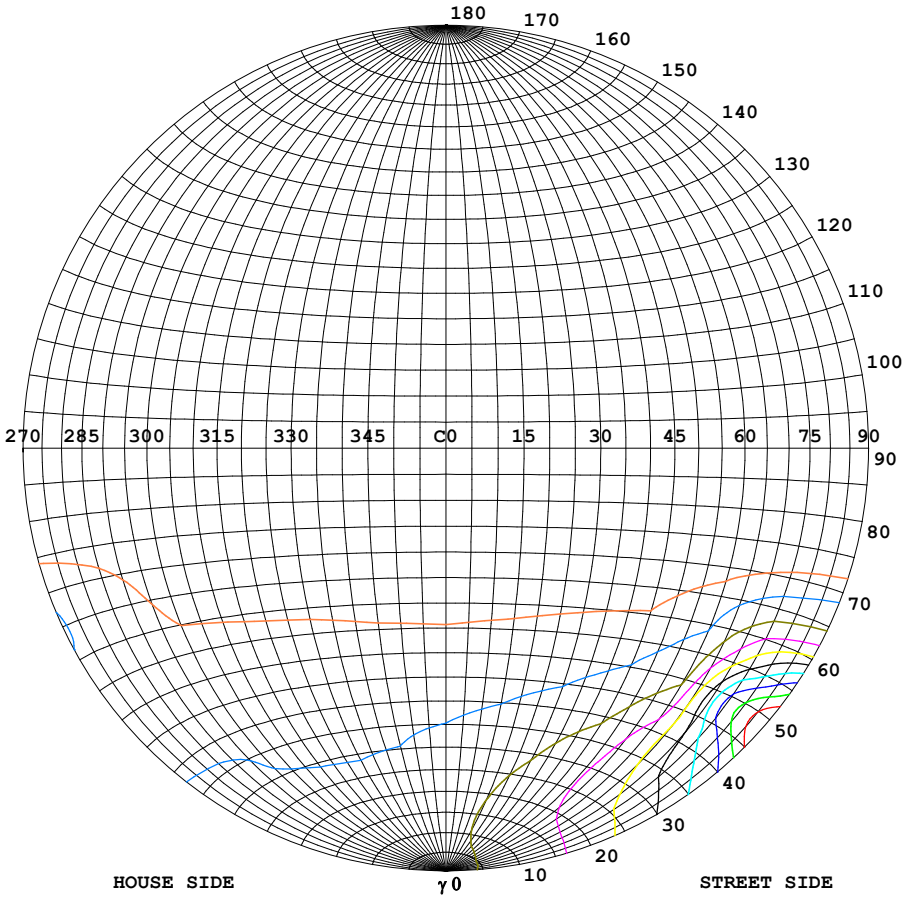


HOUSE SIDE Max @ γ = 48.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:

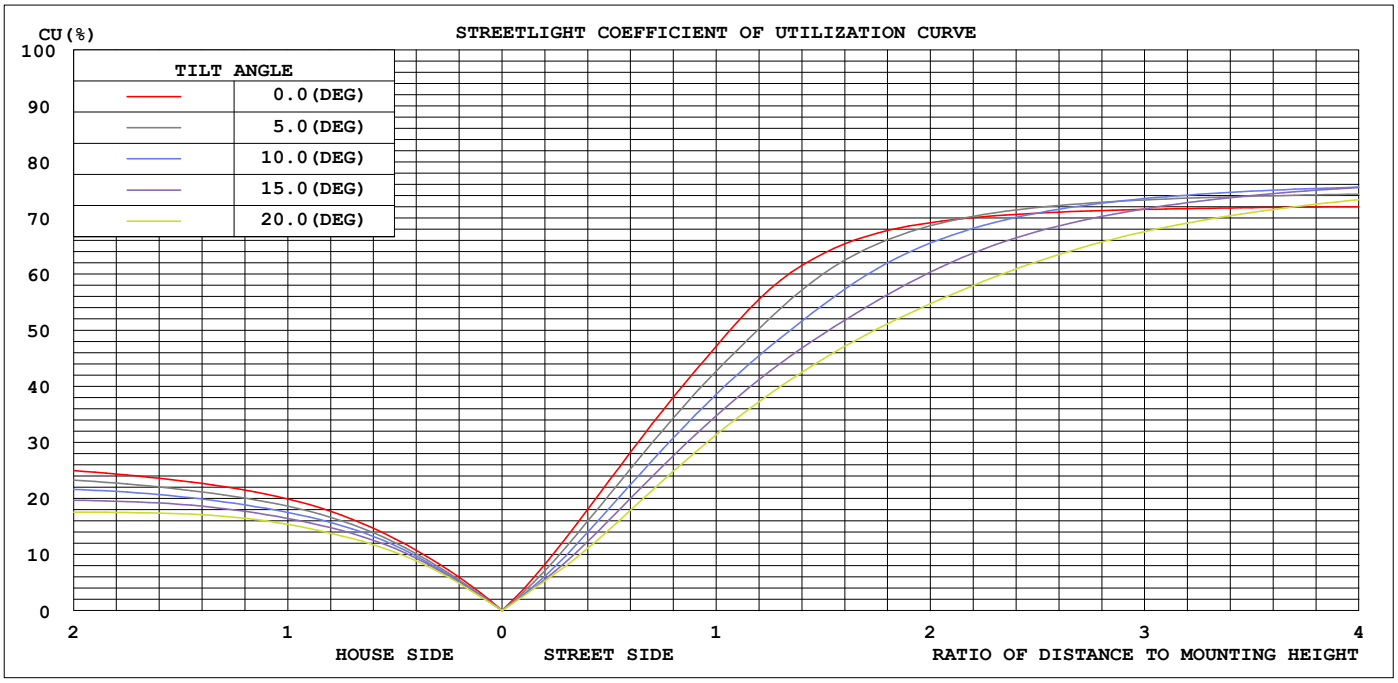
IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:27.86cd/klm
Max.At90:1.478cd/klm
Max.80-90:33.64cd/klm

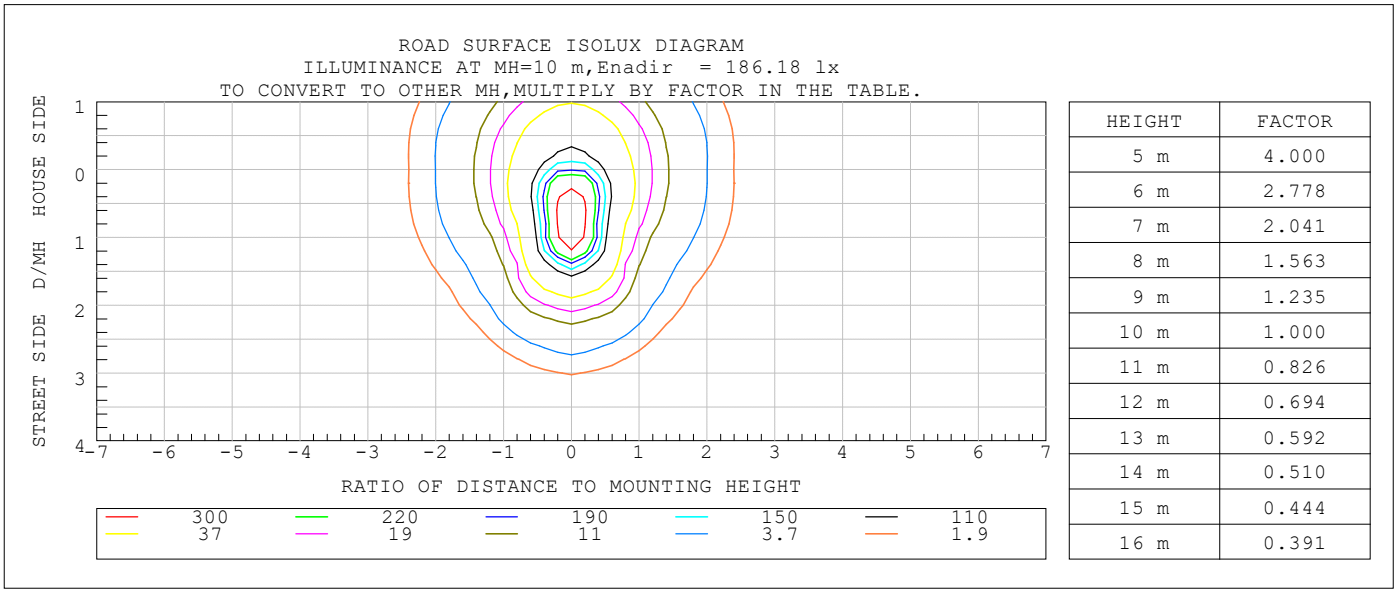
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	114199
90%	102779
80%	91360
70%	79940
60%	68520
50%	57100
40%	45680
30%	34260
20%	22840
10%	11420
5%	5710

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:2026-01-15

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:

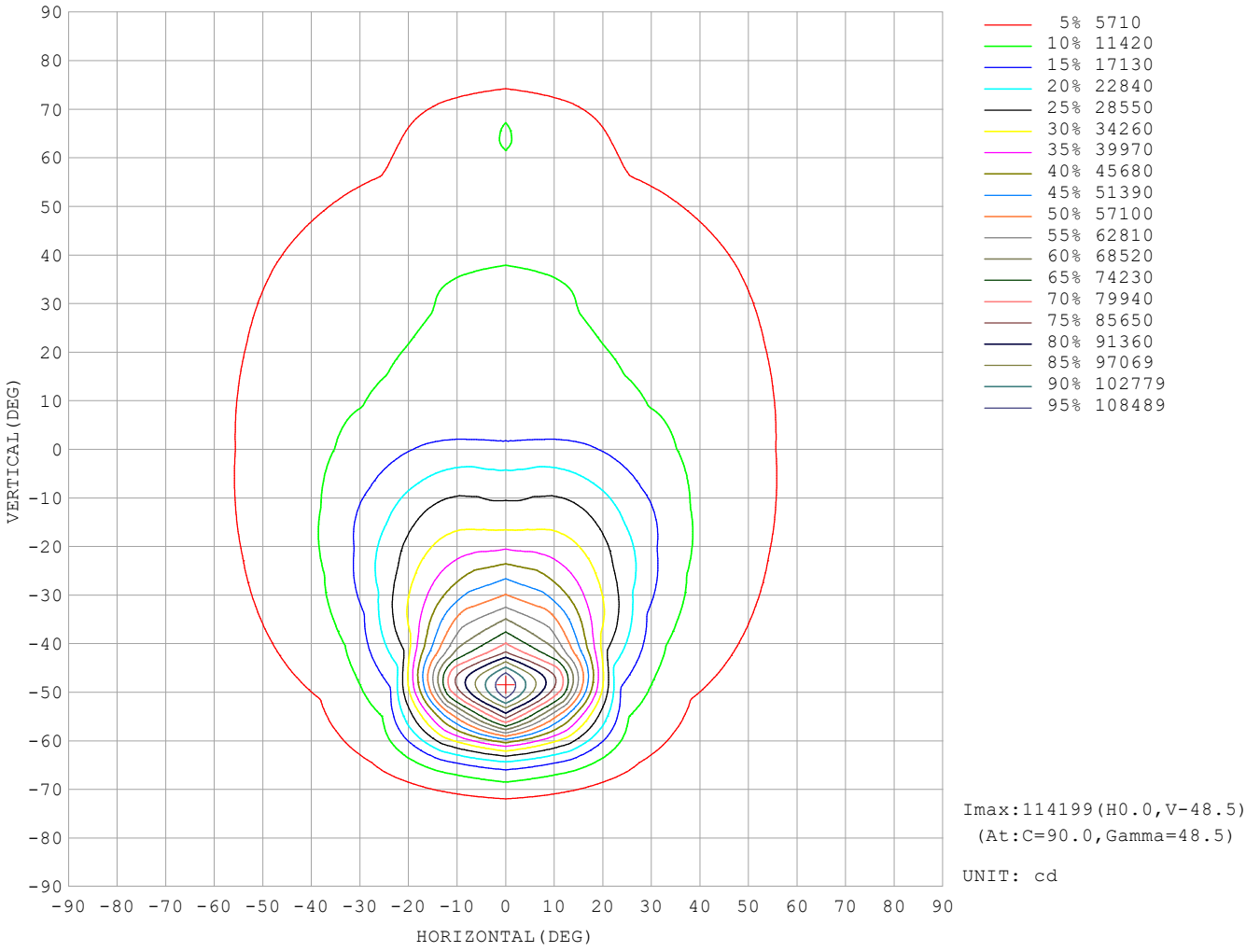
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	194.4	262.5	280.4	262.5	194.4	138.6	134.6	138.6	0- 10	1848	1848	2.6,2.6
20	167.8	313.5	389.8	313.5	167.8	126.9	129.2	126.9	10- 20	5928	7776	10.9,10.9
30	135.5	297.9	572.8	297.9	135.5	112.6	123.6	112.6	20- 30	10168	17944	25.2,25.2
40	96.12	211.9	799.5	211.9	96.12	96.46	109.4	96.46	30- 40	13696	31640	44.5,44.5
50	71.25	117.1	1128	117.1	71.25	74.38	90.09	74.38	40- 50	16020	47660	67,67
60	48.55	59.23	491.7	59.23	48.55	54.41	109.6	54.41	50- 60	13428	61088	85.9,85.9
70	27.68	32.89	86.54	32.89	27.68	30.36	97.55	30.36	60- 70	6869	67957	95.5,95.5
80	8.863	10.09	13.45	10.09	8.863	8.725	16.52	8.725	70- 80	2678	70634	99.3,99.3
90	0.1745	0.0451	0.0650	0.0451	0.1745	0.3895	1.052	0.3895	80- 90	500.9	71135	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:2026-01-15

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:

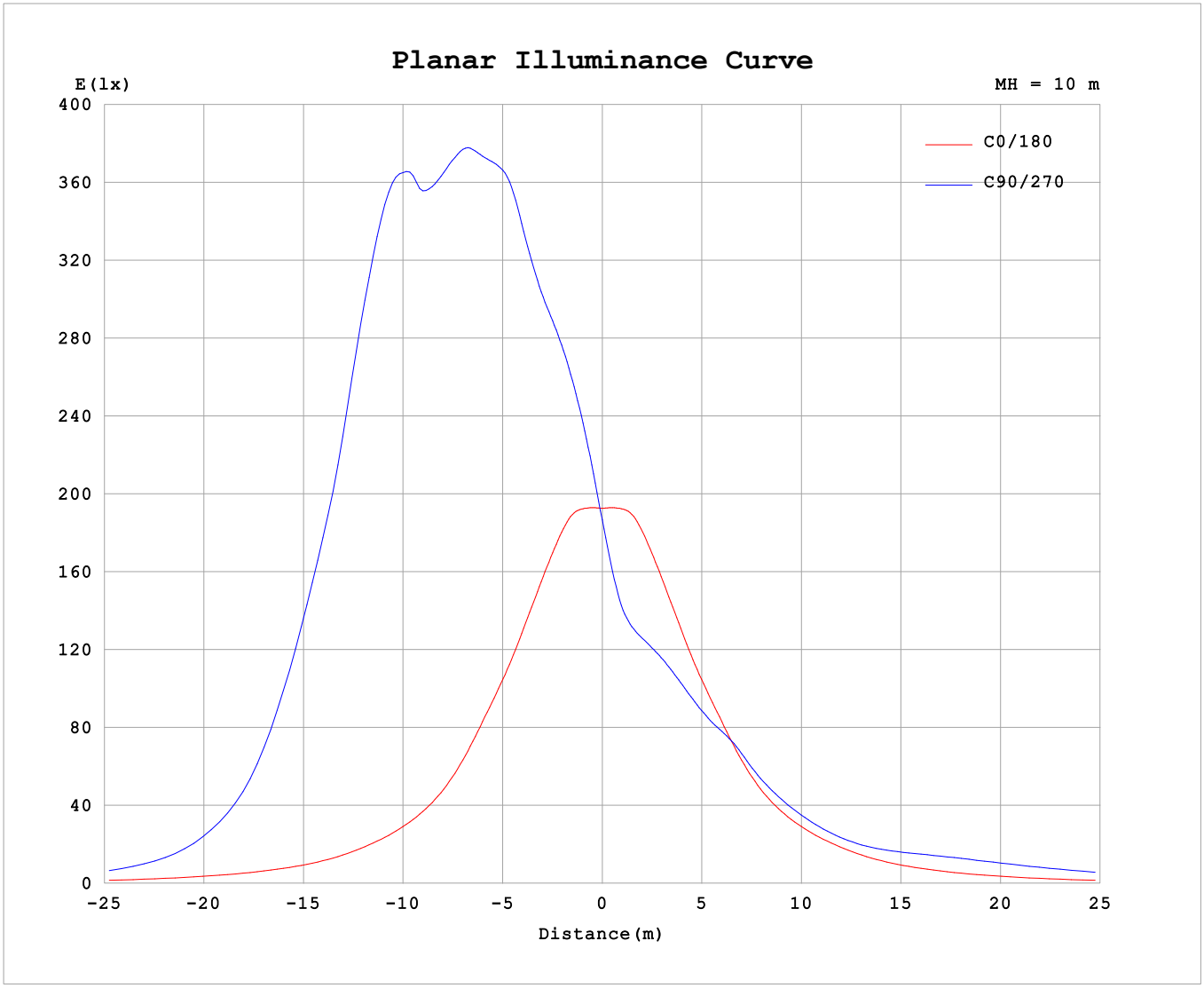
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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



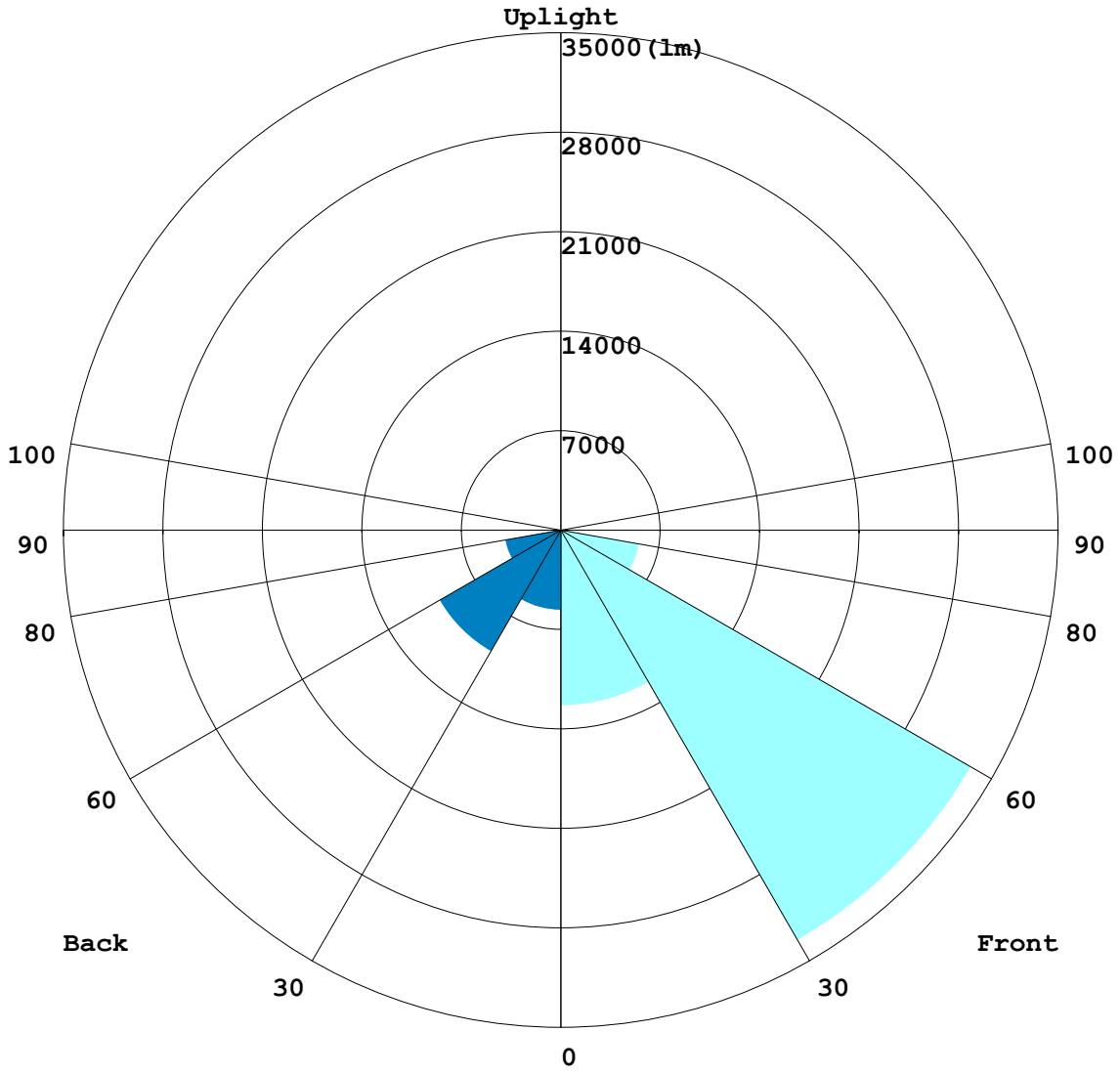
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:71135.2x1 lm		
NAME: FL72-500(500W)-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:2026-01-15

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:71135.2x1 lm		
NAME: FL72-500(500W)-F04802	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	12329	17.3
FM - Front-Medium(30-60)	33300	46.8
FH - Front-High(60-80)	5584.4	7.9
FVH - Front-Very High(80-90)	313.1	0.4
Total Forward Light	51526	72.4
BL - Back-Low(0-30)	5615.2	7.9
BM - Back-Medium(30-60)	9844	13.8
BH - Back-High(60-80)	3962	5.6
BVH - Back-Very High(80-90)	187.77	0.3
Total Back Light	19609	27.6
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	B5-U0-G4

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19609	0	19609
Street Side	51526	0	51526

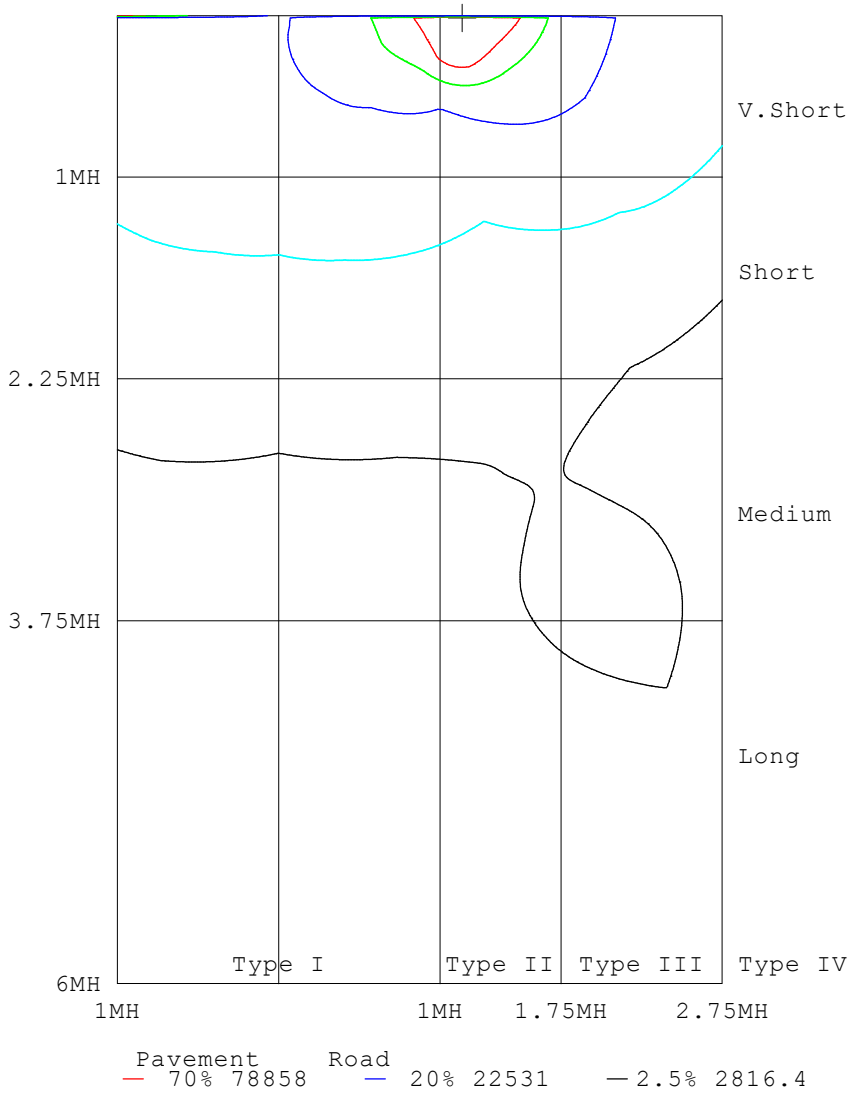
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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:71135.2x1 lm		
NAME: FL72-500(500W)-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:2026-01-15

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	193	186	187	185	187	185	187	185	187	185	187	186	193	186	187	185	187	185	187
5	195	201	214	222	230	232	235	232	230	222	214	201	195	176	166	156	152	147	147
10	194	216	244	262	274	277	280	277	274	262	244	216	194	164	148	139	136	134	135
15	183	217	262	294	315	322	326	322	315	294	262	217	183	150	137	132	131	132	132
20	168	205	262	314	349	376	390	376	349	314	262	205	168	139	129	127	128	129	129
25	151	187	246	315	377	447	484	447	377	315	246	187	151	127	121	121	122	124	125
30	136	168	221	298	397	512	573	512	397	298	221	168	136	116	112	113	116	120	124
35	115	140	186	264	397	590	686	590	397	264	186	140	115	103	103	104	111	118	121
40	96.1	113	142	212	368	656	800	656	368	212	142	113	96.1	90.5	92.4	96.5	102	105	109
45	82.7	93.9	111	156	294	766	1033	766	294	156	111	93.9	82.7	79.7	82.4	87.4	87.6	95.4	99.3
50	71.2	75.0	81.8	117	211	812	1128	812	211	117	81.8	75.0	71.2	69.9	73.0	74.4	78.1	85.9	90.1
55	58.5	61.6	67.0	77.7	152	561	880	561	152	77.7	67.0	61.6	58.5	60.0	63.1	64.2	67.9	77.8	90.7
60	48.5	51.0	55.1	59.2	104	345	492	345	104	59.2	55.1	51.0	48.5	49.7	51.8	54.4	56.8	77.9	110
65	38.1	40.7	42.6	44.8	70.7	162	204	162	70.7	44.8	42.6	40.7	38.1	41.7	41.3	43.0	45.0	77.2	118
70	27.7	29.4	32.1	32.9	42.6	66.5	86.5	66.5	42.6	32.9	32.1	29.4	27.7	29.7	30.4	30.4	32.8	64.3	97.6
75	18.6	22.6	32.2	20.4	22.2	26.9	34.4	26.9	22.2	20.4	32.2	22.6	18.6	18.5	18.8	18.8	20.0	36.6	49.2
80	8.86	13.0	19.8	10.1	10.5	9.70	13.5	9.70	10.5	10.1	19.8	13.0	8.86	8.83	8.87	8.72	9.46	13.5	16.5
85	2.96	8.08	14.8	3.31	2.60	2.54	3.12	2.54	2.60	3.31	14.8	8.08	2.96	2.22	2.28	2.12	2.26	2.82	3.17
90	0.17	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.17	0.32	0.34	0.39	0.56	0.87	1.05

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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	185	187	185	187	186														
5	147	152	156	166	176														
10	134	136	139	148	164														
15	132	131	132	137	150														
20	129	128	127	129	139														
25	124	122	121	121	127														
30	120	116	113	112	116														
35	118	111	104	103	103														
40	105	102	96.5	92.4	90.5														
45	95.4	87.6	87.4	82.4	79.7														
50	85.9	78.1	74.4	73.0	69.9														
55	77.8	67.9	64.2	63.1	60.0														
60	77.9	56.8	54.4	51.8	49.7														
65	77.2	45.0	43.0	41.3	41.7														
70	64.3	32.8	30.4	30.4	29.7														
75	36.6	20.0	18.8	18.8	18.5														
80	13.5	9.46	8.72	8.87	8.83														
85	2.82	2.26	2.12	2.28	2.22														
90	0.87	0.56	0.39	0.34	0.32														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-15

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: