

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P1356843

Luminaire Tested: 2ASL4-15HE-2-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 2ASL4-15HE-2-92765-UNV_3500K
Description: 2FT 1500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

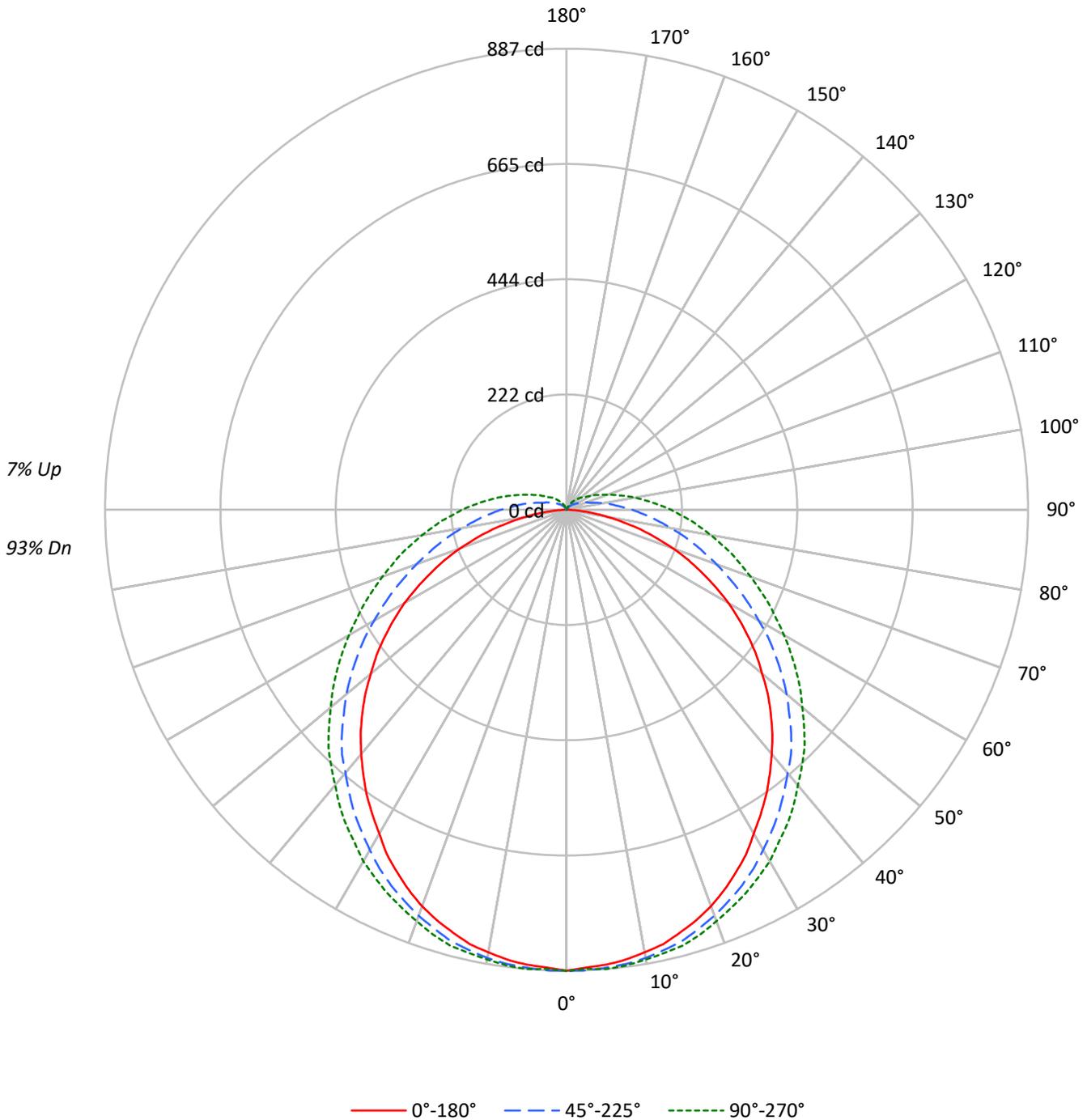
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3045.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14472	14472	14472
5°	14324	14162	14141
10°	14194	13878	13796
15°	14030	13573	13521
20°	13829	13192	13131
25°	13526	12818	12798
30°	13157	12394	12465
35°	12859	11999	12078
40°	12516	11572	11672
45°	12168	11202	11376
50°	11725	10720	10936
55°	11292	10202	10587
60°	10760	9624	10216
65°	9967	9080	9928
70°	9069	8562	9664
75°	7788	8148	9577
80°	5854	7763	9547
85°	3261	7666	9823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	2.8
10°-20°	241.8	7.9
20°-30°	366.4	12.0
30°-40°	443.1	14.6
40°-50°	467.2	15.3
50°-60°	436.0	14.3
60°-70°	360.0	11.8
70°-80°	261.1	8.6
80°-90°	165.0	5.4
90°-100°	98.5	3.2
100°-110°	56.5	1.9
110°-120°	32.1	1.1
120°-130°	18.3	0.6
130°-140°	9.9	0.3
140°-150°	4.3	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	692.3	22.7
0°-40°	1135.4	37.3
0°-60°	2038.6	66.9
0°-90°	2824.7	92.8
90°-120°	187.0	6.1
90°-150°	219.5	7.2
90°-180°	220.0	7.2
0°-180°	3045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	879	887	884	884	887	83
15°	842	854	859	862	868	238
25°	770	781	798	809	814	355
35°	669	686	711	731	739	418
45°	555	577	611	636	647	428
55°	427	452	491	524	538	381
65°	287	318	365	410	430	285
75°	148	187	254	307	329	155
85°	28	86	162	218	240	34
90°	0	53	126	178	201	1
95°	0	34	95	145	165	0
105°	0	11	53	92	106	0
115°	0	6	31	56	67	0
125°	0	3	20	36	42	0
135°	0	0	11	22	28	0
145°	0	0	6	14	17	0
155°	0	0	0	3	6	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.0	887.0	887.0	887.0	887.0
2.5°	881.4	889.8	887.0	884.2	884.2
5°	878.6	887.0	884.2	884.2	887.0
7.5°	873.0	881.4	881.4	881.4	884.2
10°	864.7	875.8	875.8	875.8	878.6
12.5°	856.3	864.7	867.5	870.2	873.0
15°	842.3	853.5	859.1	861.9	867.5
17.5°	828.4	836.8	845.1	853.5	856.3
20°	811.7	822.8	831.2	839.6	842.3
22.5°	792.1	803.3	814.5	822.8	828.4
25°	769.8	781.0	797.7	808.9	814.5
27.5°	747.5	758.7	778.2	792.1	797.7
30°	719.6	736.4	755.9	772.6	781.0
32.5°	694.5	711.3	733.6	753.1	758.7
35°	669.4	686.2	711.3	730.8	739.1
37.5°	641.5	661.0	686.2	708.5	716.8
40°	613.6	633.2	661.0	686.2	691.7
42.5°	585.7	605.3	638.7	661.0	669.4
45°	555.1	577.4	610.8	635.9	647.1
47.5°	524.4	546.7	580.2	608.1	619.2
50°	490.9	516.0	552.3	580.2	591.3
52.5°	460.2	485.3	521.6	552.3	566.2
55°	426.8	451.9	490.9	524.4	538.3
57.5°	393.3	418.4	460.2	496.5	510.4
60°	359.8	384.9	426.8	468.6	482.5
62.5°	323.6	351.4	396.1	437.9	454.6
65°	287.3	318.0	365.4	410.0	429.5
67.5°	253.8	284.5	334.7	384.9	401.6
70°	217.6	251.0	306.8	357.0	376.5
72.5°	181.3	217.6	278.9	331.9	351.4
75°	147.8	186.9	253.8	306.8	329.1
77.5°	111.6	159.0	228.7	284.5	304.0
80°	80.9	131.1	203.6	262.2	281.7
82.5°	53.0	106.0	181.3	239.9	259.4
85°	27.9	86.5	161.8	217.6	239.9
87.5°	8.4	66.9	142.3	198.0	217.6
90°	0.0	53.0	125.5	178.5	200.8
92.5°	0.0	41.8	108.8	161.8	181.3
95°	0.0	33.5	94.8	145.0	164.6
97.5°	0.0	27.9	83.7	131.1	147.8
100°	0.0	22.3	72.5	117.1	133.9
102.5°	0.0	16.7	61.4	103.2	119.9
105°	0.0	11.2	53.0	92.0	106.0
107.5°	0.0	8.4	44.6	80.9	94.8
110°	0.0	8.4	41.8	69.7	83.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	5.6	36.3	64.2	75.3
115°	0.0	5.6	30.7	55.8	66.9
117.5°	0.0	5.6	27.9	50.2	61.4
120°	0.0	5.6	25.1	44.6	53.0
122.5°	0.0	2.8	22.3	39.0	47.4
125°	0.0	2.8	19.5	36.3	41.8
127.5°	0.0	2.8	16.7	33.5	39.0
130°	0.0	2.8	16.7	30.7	36.3
132.5°	0.0	0.0	13.9	27.9	33.5
135°	0.0	0.0	11.2	22.3	27.9
137.5°	0.0	0.0	11.2	19.5	25.1
140°	0.0	0.0	8.4	19.5	22.3
142.5°	0.0	0.0	5.6	16.7	19.5
145°	0.0	0.0	5.6	13.9	16.7
147.5°	0.0	0.0	2.8	11.2	13.9
150°	0.0	0.0	2.8	8.4	11.2
152.5°	0.0	0.0	0.0	5.6	8.4
155°	0.0	0.0	0.0	2.8	5.6
157.5°	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.57	20.10	19.04	20.56	21.05	20.54	22.08	21.02	22.54	23.03
	3H	20.07	21.47	20.56	21.94	22.47	22.96	24.36	23.44	24.83	25.36
	4H	20.55	21.88	21.06	22.37	22.91	24.14	25.46	24.64	25.95	26.50
	6H	20.83	22.06	21.35	22.56	23.12	25.36	26.59	25.88	27.09	27.66
	8H	20.88	22.07	21.41	22.59	23.16	25.98	27.16	26.51	27.69	28.25
	12H	20.90	22.03	21.43	22.55	23.15	26.65	27.78	27.19	28.30	28.90
4H	2H	19.43	20.76	19.94	21.24	21.79	20.98	22.30	21.48	22.79	23.34
	3H	21.17	22.30	21.69	22.84	23.40	23.62	24.75	24.14	25.28	25.85
	4H	21.78	22.82	22.32	23.36	23.96	24.98	26.01	25.52	26.55	27.15
	6H	22.18	23.10	22.74	23.67	24.28	26.40	27.31	26.96	27.88	28.49
	8H	22.28	23.14	22.85	23.71	24.34	27.13	27.99	27.69	28.55	29.18
	12H	22.33	23.11	22.92	23.71	24.34	27.92	28.70	28.50	29.30	29.93
8H	4H	22.46	23.32	23.02	23.89	24.51	25.20	26.06	25.76	26.63	27.25
	6H	23.04	23.78	23.64	24.38	25.02	26.80	27.53	27.39	28.14	28.77
	8H	23.23	23.89	23.84	24.51	25.16	27.67	28.33	28.28	28.95	29.59
	12H	23.35	23.94	23.96	24.55	25.26	28.65	29.24	29.26	29.85	30.56
12H	4H	22.65	23.43	23.24	24.03	24.66	25.21	25.99	25.80	26.59	27.22
	6H	23.34	24.00	23.94	24.62	25.26	26.84	27.50	27.45	28.12	28.76
	8H	23.62	24.21	24.23	24.82	25.53	27.78	28.37	28.39	28.98	29.69