

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: P1356940

Luminaire Tested: 2ASL4-5-1-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 2ASL4-5-1-92765-UNV_2700K
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

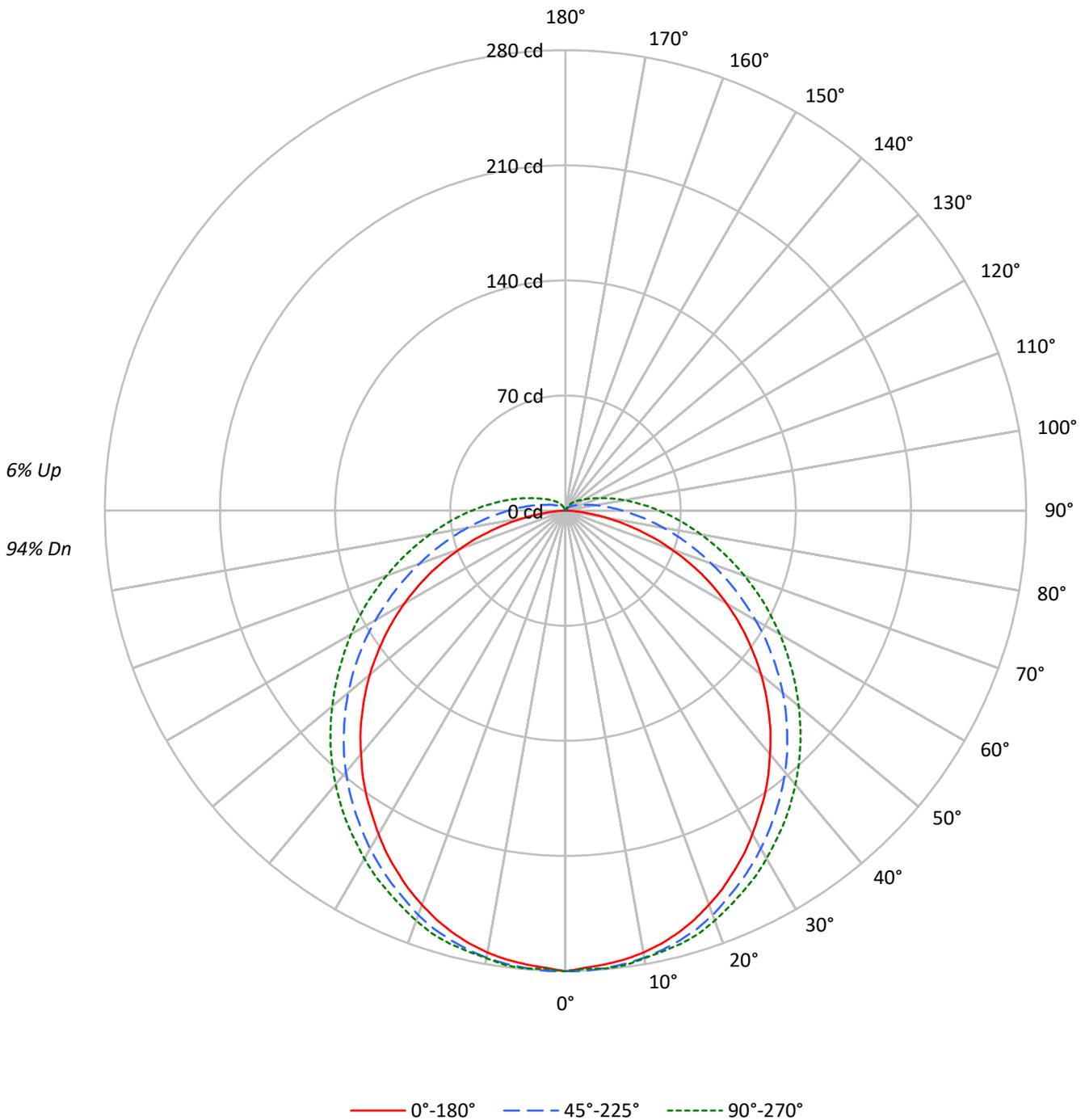
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 938.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 8.6
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				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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	78	78	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	64	64	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	54	54	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	46	46	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	40	40	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	35	35	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4572	4572	4572
5°	4516	4472	4456
10°	4480	4375	4340
15°	4424	4270	4249
20°	4346	4155	4136
25°	4254	4019	4015
30°	4154	3892	3901
35°	4055	3763	3786
40°	3943	3634	3668
45°	3834	3494	3549
50°	3709	3346	3423
55°	3556	3182	3298
60°	3382	3008	3186
65°	3167	2828	3077
70°	2838	2634	2970
75°	2424	2462	2887
80°	1860	2307	2837
85°	1005	2194	2854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3834 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	2.8
10°-20°	76.2	8.1
20°-30°	115.2	12.3
30°-40°	139.2	14.8
40°-50°	146.3	15.6
50°-60°	136.3	14.5
60°-70°	112.0	11.9
70°-80°	79.5	8.5
80°-90°	47.9	5.1
90°-100°	26.9	2.9
100°-110°	14.9	1.6
110°-120°	8.3	0.9
120°-130°	4.8	0.5
130°-140°	2.6	0.3
140°-150°	1.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	217.8	23.2
0°-40°	357.0	38.1
0°-60°	639.7	68.2
0°-90°	879.1	93.7
90°-120°	50.0	5.3
90°-150°	58.6	6.2
90°-180°	59.0	6.3
0°-180°	938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	277	280	279	279	280	26
15°	266	269	270	272	273	75
25°	242	247	250	254	256	112
35°	211	216	223	229	232	132
45°	175	181	190	198	202	135
55°	134	142	153	163	168	120
65°	91	100	114	127	133	90
75°	46	58	77	92	99	49
85°	9	25	46	63	70	11
90°	0	15	34	51	57	0
95°	0	9	25	40	46	0
105°	0	3	13	24	28	0
115°	0	2	8	15	17	0
125°	0	1	5	10	11	0
135°	0	0	3	6	8	0
145°	0	0	1	4	4	0
155°	0	0	0	1	1	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°	280.2	280.2	280.2	280.2	280.2
2.5°	278.3	280.8	280.2	278.9	278.9
5°	277.0	279.5	279.2	278.9	279.5
7.5°	275.4	278.0	278.0	278.3	278.9
10°	272.9	276.1	276.1	276.1	276.4
12.5°	269.7	272.9	273.5	273.8	274.5
15°	265.6	269.1	270.3	271.6	272.6
17.5°	260.8	264.3	266.5	268.1	269.7
20°	255.1	258.9	261.8	263.7	265.3
22.5°	249.1	252.9	255.8	258.6	260.5
25°	242.1	246.6	250.1	253.5	255.5
27.5°	235.2	239.6	244.0	248.2	250.4
30°	227.2	232.3	237.4	242.1	244.4
32.5°	219.0	224.4	230.4	235.5	238.0
35°	211.1	216.5	223.1	228.8	231.7
37.5°	202.5	207.9	215.5	221.9	224.7
40°	193.3	199.4	207.6	214.2	217.4
42.5°	184.5	190.5	199.4	206.6	209.8
45°	174.9	181.3	190.5	198.4	201.9
47.5°	165.1	171.8	181.6	189.8	193.6
50°	155.3	162.3	172.4	181.3	185.1
52.5°	144.8	152.1	162.9	172.4	176.5
55°	134.4	142.0	153.1	163.2	167.7
57.5°	123.9	131.5	143.6	154.3	159.1
60°	113.1	121.1	133.4	145.2	150.5
62.5°	102.1	110.3	123.3	136.0	141.7
65°	91.3	99.5	113.8	127.1	133.1
67.5°	79.9	88.7	104.0	117.9	124.2
70°	68.1	78.3	94.4	109.3	115.7
72.5°	57.7	68.1	85.6	100.8	107.4
75°	46.0	57.7	76.7	92.5	99.2
77.5°	35.8	48.5	68.5	84.6	91.3
80°	25.7	39.6	60.5	77.0	83.7
82.5°	16.5	31.7	53.2	70.0	76.4
85°	8.6	24.7	46.3	63.4	69.7
87.5°	2.5	19.0	39.9	56.7	63.1
90°	0.0	14.6	34.5	50.7	56.7
92.5°	0.0	11.1	29.8	45.3	51.3
95°	0.0	8.6	25.4	39.9	45.6
97.5°	0.0	6.7	21.9	35.2	40.9
100°	0.0	5.4	18.7	31.1	36.4
102.5°	0.0	4.4	16.2	27.6	32.3
105°	0.0	3.2	13.3	24.1	28.5
107.5°	0.0	2.2	11.7	21.2	25.0
110°	0.0	1.9	10.5	18.4	22.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	1.6	9.2	16.5	19.7
115°	0.0	1.6	8.2	14.6	17.4
117.5°	0.0	1.3	7.0	13.0	15.5
120°	0.0	1.3	6.3	11.7	13.9
122.5°	0.0	1.0	5.7	10.5	12.7
125°	0.0	1.0	5.1	9.5	11.1
127.5°	0.0	0.6	4.4	8.6	10.1
130°	0.0	0.6	4.1	7.6	9.2
132.5°	0.0	0.3	3.8	7.0	8.2
135°	0.0	0.3	3.2	6.0	7.6
137.5°	0.0	0.0	2.9	5.4	6.7
140°	0.0	0.0	2.2	4.8	6.0
142.5°	0.3	0.0	1.9	4.1	5.1
145°	0.3	0.0	1.3	3.5	4.4
147.5°	0.3	0.3	1.0	2.9	3.5
150°	0.3	0.3	0.6	1.9	2.9
152.5°	0.3	0.3	0.3	1.3	1.9
155°	0.3	0.3	0.0	1.0	1.3
157.5°	0.3	0.3	0.0	0.3	0.6
160°	0.3	0.3	0.0	0.0	0.3
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	14.65	16.20	15.11	16.65	17.12	16.55	18.10	17.01	18.55	19.01
	3H	16.15	17.56	16.62	18.01	18.52	18.93	20.34	19.40	20.79	21.30
	4H	16.62	17.96	17.12	18.43	18.96	20.06	21.40	20.56	21.87	22.40
	6H	16.90	18.15	17.41	18.63	19.17	21.22	22.47	21.73	22.96	23.49
	8H	16.96	18.15	17.47	18.66	19.20	21.81	23.00	22.33	23.51	24.06
	12H	16.97	18.12	17.49	18.62	19.19	22.43	23.58	22.96	24.08	24.66
4H	2H	15.50	16.84	16.00	17.31	17.84	16.99	18.33	17.48	18.80	19.32
	3H	17.23	18.37	17.74	18.89	19.43	19.59	20.73	20.10	21.24	21.79
	4H	17.83	18.88	18.36	19.40	19.98	20.89	21.94	21.42	22.46	23.04
	6H	18.23	19.15	18.78	19.70	20.29	22.24	23.17	22.79	23.72	24.31
	8H	18.32	19.19	18.87	19.74	20.35	22.93	23.80	23.48	24.35	24.95
	12H	18.37	19.15	18.94	19.73	20.34	23.68	24.47	24.25	25.05	25.66
8H	4H	18.47	19.33	19.02	19.88	20.49	21.11	21.98	21.66	22.53	23.13
	6H	19.03	19.77	19.62	20.36	20.97	22.63	23.36	23.21	23.95	24.57
	8H	19.21	19.87	19.81	20.48	21.10	23.45	24.12	24.05	24.72	25.34
	12H	19.32	19.91	19.92	20.50	21.19	24.38	24.97	24.98	25.57	26.26
12H	4H	18.64	19.42	19.21	20.00	20.61	21.12	21.91	21.69	22.49	23.10
	6H	19.30	19.96	19.89	20.56	21.19	22.66	23.33	23.26	23.93	24.56
	8H	19.56	20.16	20.16	20.75	21.44	23.56	24.15	24.16	24.74	25.43