

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: P1356942

Luminaire Tested: 2ASL4-5-1-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356942
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_3500K
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

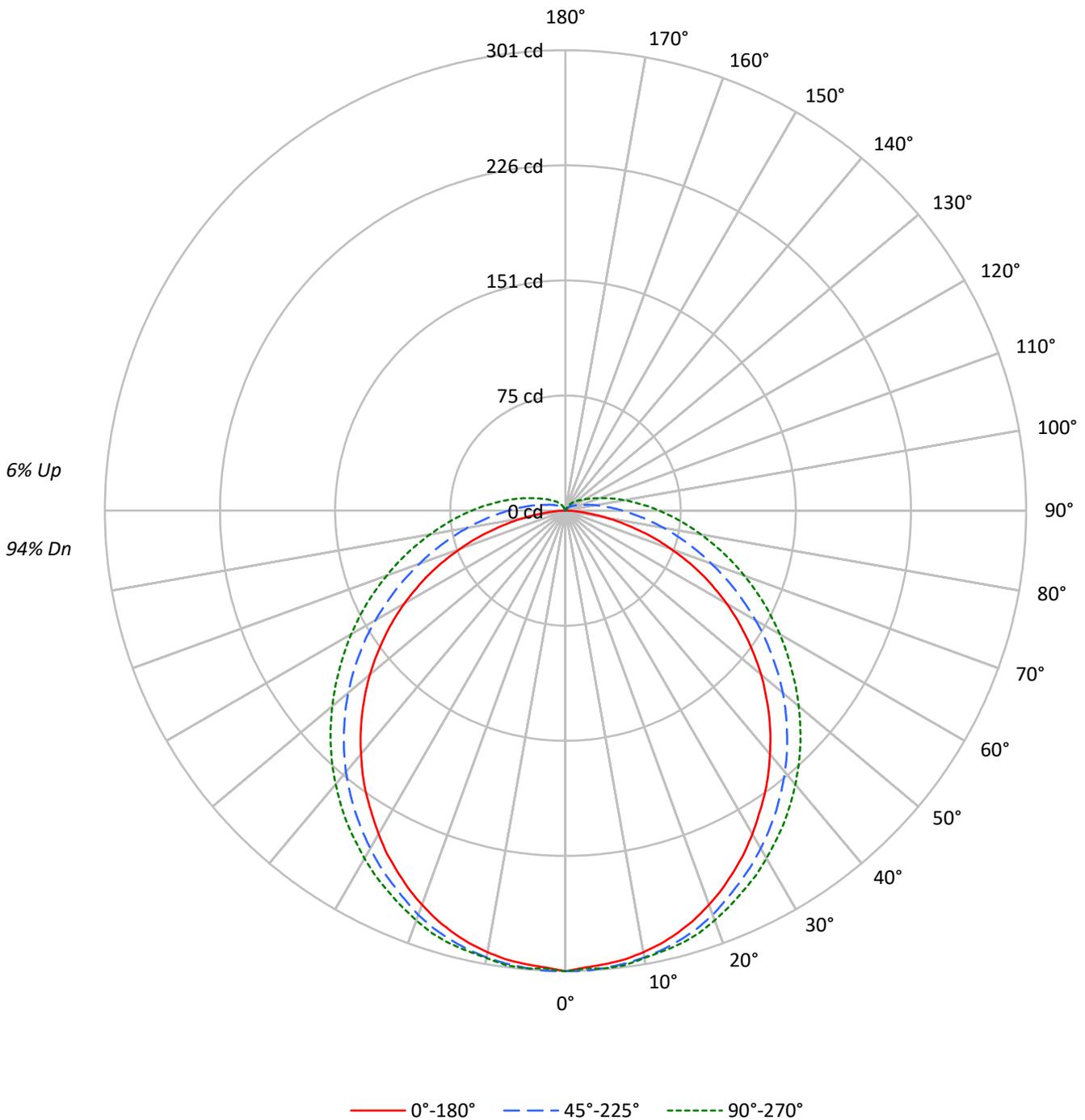
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1008.0 lumens
Efficiency: N/A
Efficacy: 117.2 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				
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	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4913	4913	4913
5°	4853	4807	4789
10°	4813	4702	4664
15°	4754	4589	4565
20°	4671	4465	4445
25°	4572	4318	4313
30°	4465	4183	4191
35°	4357	4045	4069
40°	4239	3906	3942
45°	4121	3754	3815
50°	3986	3597	3679
55°	3820	3419	3544
60°	3637	3233	3426
65°	3403	3039	3306
70°	3051	2833	3190
75°	2603	2645	3102
80°	1997	2482	3047
85°	1075	2355	3067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	2.8
10°-20°	81.8	8.1
20°-30°	123.8	12.3
30°-40°	149.6	14.8
40°-50°	157.3	15.6
50°-60°	146.5	14.5
60°-70°	120.4	11.9
70°-80°	85.4	8.5
80°-90°	51.5	5.1
90°-100°	28.9	2.9
100°-110°	16.0	1.6
110°-120°	8.9	0.9
120°-130°	5.1	0.5
130°-140°	2.8	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°	234.1	23.2
0°-40°	383.7	38.1
0°-60°	687.5	68.2
0°-90°	944.8	93.7
90°-120°	53.8	5.3
90°-150°	62.9	6.2
90°-180°	63.0	6.2
0°-180°	1008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	301	301	301	301	301	
5°	298	300	300	300	300	28
15°	285	289	290	292	293	80
25°	260	265	269	272	274	120
35°	227	233	240	246	249	142
45°	188	195	205	213	217	145
55°	144	153	164	175	180	129
65°	98	107	122	137	143	97
75°	49	62	82	100	107	53
85°	9	27	50	68	75	11
90°	0	16	37	54	61	0
95°	0	9	27	43	49	0
105°	0	3	14	26	31	0
115°	0	2	9	16	19	0
125°	0	1	5	10	12	0
135°	0	0	3	6	8	0
145°	0	0	1	4	5	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°	301.1	301.1	301.1	301.1	301.1
2.5°	299.0	301.8	301.1	299.7	299.7
5°	297.7	300.4	300.1	299.7	300.4
7.5°	296.0	298.7	298.7	299.0	299.7
10°	293.2	296.7	296.7	296.7	297.0
12.5°	289.8	293.2	293.9	294.3	295.0
15°	285.4	289.2	290.5	291.9	292.9
17.5°	280.3	284.1	286.4	288.1	289.8
20°	274.2	278.3	281.3	283.4	285.1
22.5°	267.7	271.8	274.9	277.9	280.0
25°	260.2	265.0	268.7	272.5	274.5
27.5°	252.7	257.5	262.3	266.7	269.1
30°	244.2	249.7	255.1	260.2	262.6
32.5°	235.3	241.1	247.6	253.1	255.8
35°	226.8	232.6	239.8	245.9	249.0
37.5°	217.6	223.4	231.6	238.4	241.5
40°	207.8	214.2	223.1	230.2	233.6
42.5°	198.2	204.7	214.2	222.1	225.5
45°	188.0	194.8	204.7	213.2	217.0
47.5°	177.4	184.6	195.2	204.0	208.1
50°	166.9	174.4	185.3	194.8	198.9
52.5°	155.6	163.5	175.1	185.3	189.7
55°	144.4	152.6	164.5	175.4	180.2
57.5°	133.2	141.3	154.3	165.9	171.0
60°	121.6	130.1	143.4	156.0	161.8
62.5°	109.7	118.5	132.5	146.1	152.2
65°	98.1	106.9	122.3	136.6	143.0
67.5°	85.8	95.4	111.7	126.7	133.5
70°	73.2	84.1	101.5	117.5	124.3
72.5°	62.0	73.2	92.0	108.3	115.5
75°	49.4	62.0	82.4	99.5	106.6
77.5°	38.5	52.1	73.6	90.9	98.1
80°	27.6	42.6	65.1	82.8	89.9
82.5°	17.7	34.1	57.2	75.3	82.1
85°	9.2	26.6	49.7	68.1	74.9
87.5°	2.7	20.4	42.9	61.0	67.8
90°	0.0	15.7	37.1	54.5	61.0
92.5°	0.0	11.9	32.0	48.7	55.2
95°	0.0	9.2	27.2	42.9	49.0
97.5°	0.0	7.2	23.5	37.8	43.9
100°	0.0	5.8	20.1	33.4	39.2
102.5°	0.0	4.8	17.4	29.6	34.7
105°	0.0	3.4	14.3	25.9	30.7
107.5°	0.0	2.4	12.6	22.8	26.9
110°	0.0	2.0	11.2	19.8	23.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	1.7	9.9	17.7	21.1
115°	0.0	1.7	8.9	15.7	18.7
117.5°	0.0	1.4	7.5	14.0	16.7
120°	0.0	1.4	6.8	12.6	15.0
122.5°	0.0	1.0	6.1	11.2	13.6
125°	0.0	1.0	5.4	10.2	11.9
127.5°	0.0	0.7	4.8	9.2	10.9
130°	0.0	0.7	4.4	8.2	9.9
132.5°	0.0	0.3	4.1	7.5	8.9
135°	0.0	0.3	3.4	6.5	8.2
137.5°	0.0	0.0	3.1	5.8	7.2
140°	0.0	0.0	2.4	5.1	6.5
142.5°	0.3	0.0	2.0	4.4	5.4
145°	0.3	0.0	1.4	3.7	4.8
147.5°	0.3	0.3	1.0	3.1	3.7
150°	0.3	0.3	0.7	2.0	3.1
152.5°	0.3	0.3	0.3	1.4	2.0
155°	0.3	0.3	0.0	1.0	1.4
157.5°	0.3	0.3	0.0	0.3	0.7
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	14.90	16.45	15.36	16.90	17.37	16.80	18.36	17.26	18.80	19.27
	3H	16.40	17.81	16.87	18.26	18.77	19.18	20.59	19.65	21.05	21.55
	4H	16.87	18.21	17.37	18.68	19.21	20.32	21.66	20.81	22.13	22.65
	6H	17.15	18.40	17.66	18.88	19.42	21.48	22.72	21.98	23.21	23.75
	8H	17.20	18.40	17.72	18.91	19.45	22.06	23.25	22.58	23.76	24.31
	12H	17.22	18.36	17.74	18.87	19.44	22.68	23.83	23.21	24.33	24.91
4H	2H	15.75	17.09	16.25	17.56	18.09	17.24	18.58	17.74	19.05	19.58
	3H	17.48	18.62	17.99	19.14	19.68	19.84	20.98	20.35	21.50	22.04
	4H	18.08	19.13	18.61	19.65	20.23	21.15	22.19	21.67	22.72	23.29
	6H	18.48	19.40	19.03	19.95	20.54	22.50	23.42	23.04	23.97	24.56
	8H	18.57	19.44	19.12	19.99	20.60	23.18	24.05	23.73	24.60	25.21
	12H	18.62	19.40	19.19	19.98	20.59	23.93	24.72	24.50	25.30	25.91
8H	4H	18.72	19.58	19.27	20.13	20.74	21.36	22.23	21.91	22.78	23.39
	6H	19.28	20.02	19.87	20.61	21.22	22.88	23.61	23.46	24.21	24.82
	8H	19.46	20.12	20.06	20.73	21.35	23.71	24.37	24.30	24.97	25.60
	12H	19.57	20.16	20.17	20.76	21.45	24.63	25.23	25.23	25.82	26.51
12H	4H	18.89	19.67	19.46	20.25	20.86	21.37	22.16	21.94	22.74	23.35
	6H	19.55	20.21	20.14	20.81	21.44	22.92	23.58	23.51	24.18	24.81
	8H	19.82	20.41	20.41	21.00	21.69	23.81	24.40	24.41	25.00	25.69