

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: P1357413

Luminaire Tested: 8ASL4-10-1-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357413
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: 8ASL4-10-1-92765-UNV_6500K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

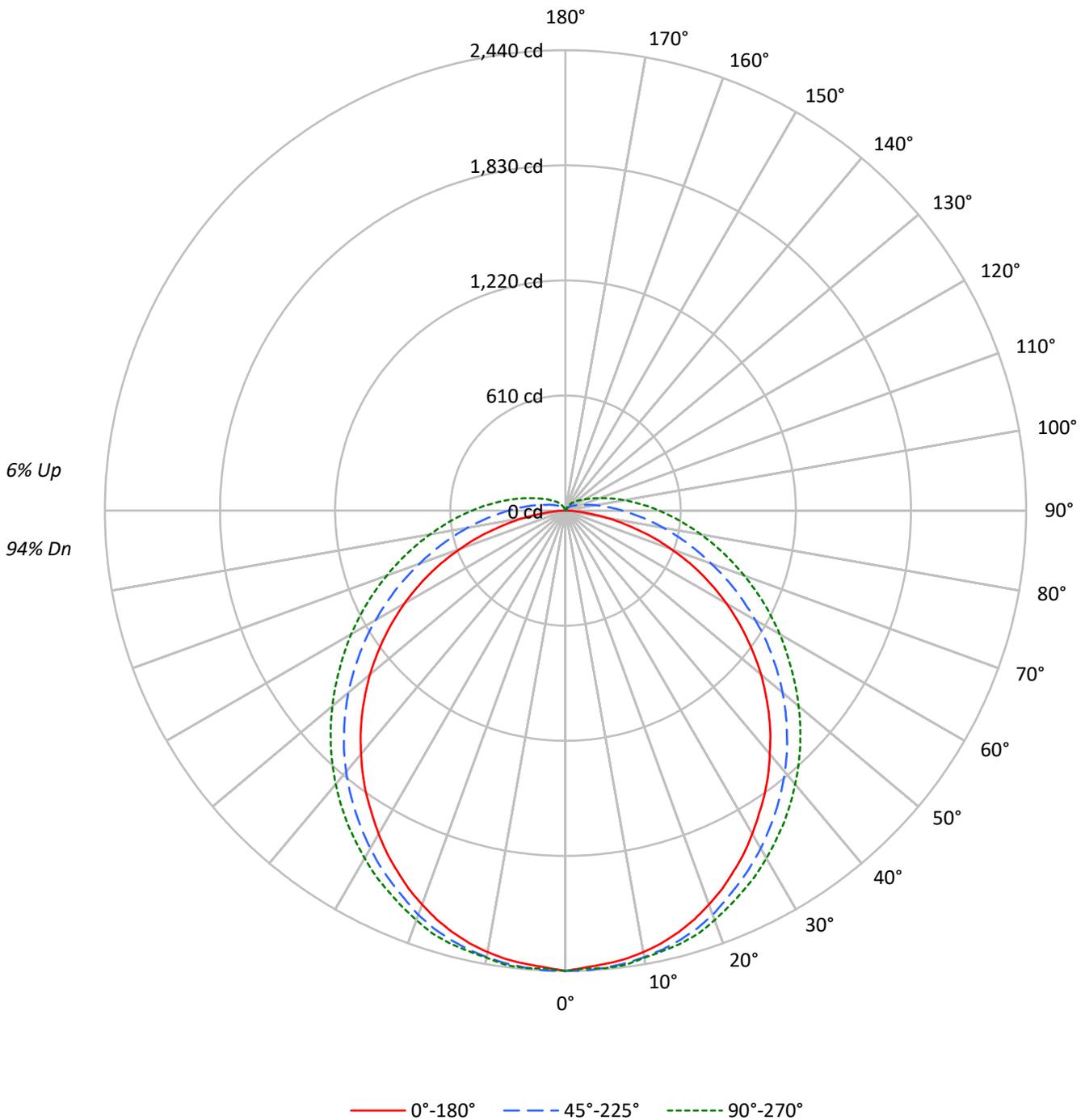
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8168.0 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 72.1
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				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°	9874	9874	9874
5°	9788	9683	9626
10°	9743	9493	9373
15°	9656	9291	9176
20°	9523	9059	8933
25°	9358	8781	8670
30°	9178	8527	8424
35°	8999	8266	8178
40°	8798	8004	7924
45°	8607	7717	7666
50°	8384	7418	7394
55°	8106	7078	7123
60°	7799	6724	6884
65°	7404	6352	6646
70°	6778	5961	6413
75°	5967	5617	6235
80°	4850	5328	6125
85°	3010	5152	6167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	2.8
10°-20°	663.2	8.1
20°-30°	1002.7	12.3
30°-40°	1212.1	14.8
40°-50°	1274.4	15.6
50°-60°	1187.2	14.5
60°-70°	975.3	11.9
70°-80°	692.4	8.5
80°-90°	417.4	5.1
90°-100°	233.8	2.9
100°-110°	129.5	1.6
110°-120°	72.2	0.9
120°-130°	41.6	0.5
130°-140°	22.7	0.3
140°-150°	10.1	0.1
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1897.0	23.2
0°-40°	3109.1	38.1
0°-60°	5570.6	68.2
0°-90°	7655.7	93.7
90°-120°	435.5	5.3
90°-150°	510.0	6.2
90°-180°	512.0	6.3
0°-180°	8168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2440	2440	2440	2440	2440	
5°	2412	2434	2431	2429	2434	229
15°	2313	2343	2354	2365	2374	652
25°	2108	2147	2178	2208	2224	972
35°	1838	1885	1943	1993	2018	1149
45°	1523	1579	1659	1728	1758	1175
55°	1170	1236	1333	1421	1460	1046
65°	795	867	991	1107	1159	784
75°	400	502	668	806	864	428
85°	74	215	403	552	607	93
90°	0	127	301	442	494	3
95°	0	74	221	348	397	0
105°	0	28	116	210	248	0
115°	0	14	72	127	152	0
125°	0	8	44	83	97	0
135°	0	3	28	52	66	0
145°	3	0	11	30	39	2
155°	3	3	0	8	11	1
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°	2439.7	2439.7	2439.7	2439.7	2439.7
2.5°	2423.2	2445.2	2439.7	2428.7	2428.7
5°	2412.1	2434.2	2431.4	2428.7	2434.2
7.5°	2398.3	2420.4	2420.4	2423.2	2428.7
10°	2376.2	2403.8	2403.8	2403.8	2406.6
12.5°	2348.6	2376.2	2381.8	2384.5	2390.0
15°	2312.8	2343.1	2354.2	2365.2	2373.5
17.5°	2271.4	2301.7	2321.0	2334.8	2348.6
20°	2221.7	2254.8	2279.6	2296.2	2310.0
22.5°	2169.2	2202.4	2227.2	2252.0	2268.6
25°	2108.5	2147.2	2177.5	2207.9	2224.4
27.5°	2047.8	2086.5	2125.1	2161.0	2180.3
30°	1978.8	2023.0	2067.1	2108.5	2127.8
32.5°	1907.1	1954.0	2006.4	2050.6	2072.7
35°	1838.1	1885.0	1942.9	1992.6	2017.5
37.5°	1763.5	1810.5	1876.7	1931.9	1956.7
40°	1683.5	1735.9	1807.7	1865.7	1893.3
42.5°	1606.2	1658.7	1735.9	1799.4	1827.0
45°	1523.4	1578.6	1658.7	1727.7	1758.0
47.5°	1437.9	1495.8	1581.4	1653.2	1686.3
50°	1352.3	1413.0	1501.4	1578.6	1611.8
52.5°	1261.3	1324.7	1418.6	1501.4	1537.2
55°	1170.2	1236.4	1333.0	1421.3	1460.0
57.5°	1079.1	1145.3	1250.2	1344.0	1385.4
60°	985.3	1054.3	1161.9	1264.0	1310.9
62.5°	888.7	960.4	1073.6	1184.0	1233.7
65°	794.8	866.6	990.8	1106.7	1159.1
67.5°	695.5	772.8	905.2	1026.7	1081.9
70°	593.4	681.7	822.4	952.2	1007.3
72.5°	502.3	593.4	745.2	877.6	935.6
75°	400.2	502.3	667.9	805.9	863.8
77.5°	311.9	422.3	596.1	736.9	794.8
80°	223.5	345.0	527.1	670.6	728.6
82.5°	143.5	276.0	463.7	609.9	665.1
85°	74.5	215.3	402.9	552.0	607.2
87.5°	22.1	165.6	347.7	494.0	549.2
90°	0.0	127.0	300.8	441.6	494.0
92.5°	0.0	96.6	259.4	394.7	447.1
95°	0.0	74.5	220.8	347.7	397.4
97.5°	0.0	58.0	190.4	306.3	356.0
100°	0.0	46.9	162.8	270.5	317.4
102.5°	0.0	38.6	140.8	240.1	281.5
105°	0.0	27.6	115.9	209.7	248.4
107.5°	0.0	19.3	102.1	184.9	218.0
110°	0.0	16.6	91.1	160.1	193.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.8	80.0	143.5	171.1
115°	0.0	13.8	71.8	127.0	151.8
117.5°	0.0	11.0	60.7	113.2	135.2
120°	0.0	11.0	55.2	102.1	121.4
122.5°	0.0	8.3	49.7	91.1	110.4
125°	0.0	8.3	44.2	82.8	96.6
127.5°	0.0	5.5	38.6	74.5	88.3
130°	0.0	5.5	35.9	66.2	80.0
132.5°	0.0	2.8	33.1	60.7	71.8
135°	0.0	2.8	27.6	52.4	66.2
137.5°	0.0	0.0	24.8	46.9	58.0
140°	0.0	0.0	19.3	41.4	52.4
142.5°	2.8	0.0	16.6	35.9	44.2
145°	2.8	0.0	11.0	30.4	38.6
147.5°	2.8	2.8	8.3	24.8	30.4
150°	2.8	2.8	5.5	16.6	24.8
152.5°	2.8	2.8	2.8	11.0	16.6
155°	2.8	2.8	0.0	8.3	11.0
157.5°	2.8	2.8	0.0	2.8	5.5
160°	2.8	2.8	0.0	0.0	2.8
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	17.38	18.93	17.84	19.37	19.84	19.40	20.95	19.86	21.39	21.86
	3H	18.87	20.28	19.34	20.73	21.24	21.83	23.24	22.30	23.70	24.21
	4H	19.34	20.68	19.83	21.15	21.68	23.01	24.35	23.50	24.82	25.35
	6H	19.62	20.87	20.12	21.35	21.89	24.25	25.49	24.75	25.98	26.52
	8H	19.67	20.87	20.19	21.37	21.92	24.89	26.08	25.41	26.59	27.14
	12H	19.68	20.83	20.21	21.33	21.91	25.61	26.75	26.13	27.26	27.83
4H	2H	18.25	19.59	18.74	20.06	20.58	19.83	21.17	20.33	21.64	22.17
	3H	19.98	21.12	20.48	21.63	22.18	22.49	23.63	22.99	24.14	24.69
	4H	20.58	21.62	21.10	22.14	22.72	23.83	24.88	24.36	25.40	25.98
	6H	20.97	21.89	21.52	22.44	23.04	25.26	26.18	25.80	26.73	27.32
	8H	21.06	21.93	21.61	22.48	23.09	26.00	26.87	26.56	27.42	28.03
	12H	21.11	21.89	21.68	22.47	23.08	26.85	27.63	27.42	28.21	28.82
8H	4H	21.24	22.10	21.79	22.65	23.26	24.05	24.91	24.60	25.46	26.07
	6H	21.80	22.54	22.39	23.13	23.74	25.63	26.37	26.22	26.96	27.57
	8H	21.98	22.64	22.58	23.25	23.87	26.52	27.18	27.11	27.79	28.41
	12H	22.09	22.68	22.69	23.27	23.96	27.54	28.14	28.14	28.73	29.42
12H	4H	21.42	22.21	21.99	22.79	23.40	24.05	24.84	24.63	25.42	26.03
	6H	22.08	22.75	22.68	23.35	23.98	25.67	26.33	26.26	26.94	27.56
	8H	22.35	22.95	22.95	23.54	24.23	26.62	27.21	27.22	27.81	28.50