

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: P1357410

Luminaire Tested: 8ASL4-10-1-92765-UNV_3500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357410
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_3500K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

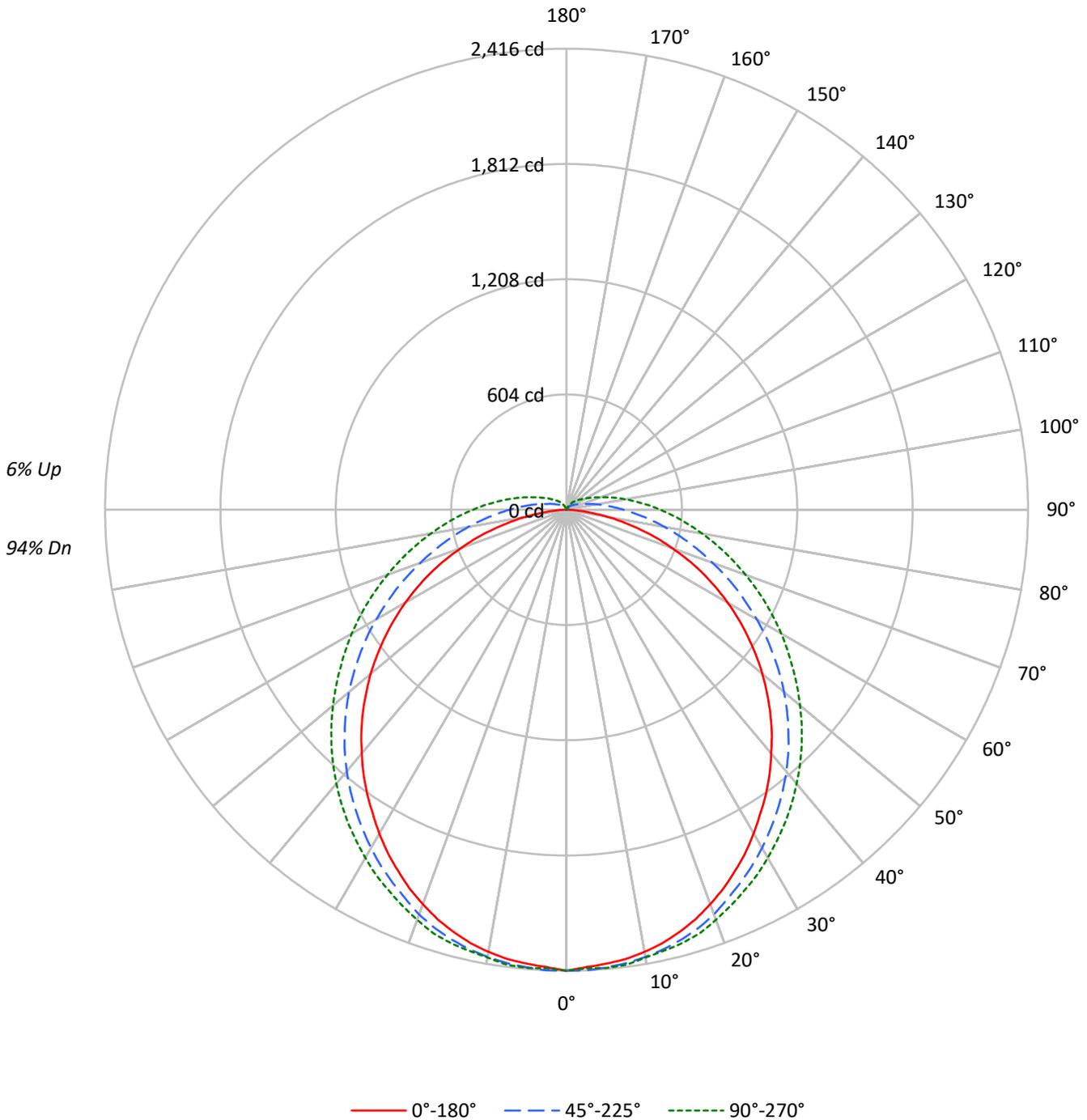
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8087.0 lumens
Efficiency: N/A
Efficacy: 112.2 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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CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3500K

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°	9776	9776	9776
5°	9691	9587	9530
10°	9646	9399	9280
15°	9560	9198	9085
20°	9429	8969	8844
25°	9266	8694	8584
30°	9087	8442	8340
35°	8909	8185	8097
40°	8710	7925	7846
45°	8521	7640	7590
50°	8301	7344	7321
55°	8025	7008	7052
60°	7721	6657	6816
65°	7331	6289	6580
70°	6711	5902	6350
75°	5907	5562	6174
80°	4802	5276	6065
85°	2982	5101	6105

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8521 cd/sqm



TEST NUMBER: P1357410
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.7	2.8
10°-20°	656.6	8.1
20°-30°	992.8	12.3
30°-40°	1200.1	14.8
40°-50°	1261.7	15.6
50°-60°	1175.4	14.5
60°-70°	965.6	11.9
70°-80°	685.5	8.5
80°-90°	413.3	5.1
90°-100°	231.5	2.9
100°-110°	128.2	1.6
110°-120°	71.5	0.9
120°-130°	41.2	0.5
130°-140°	22.5	0.3
140°-150°	10.0	0.1
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1878.2	23.2
0°-40°	3078.2	38.1
0°-60°	5515.3	68.2
0°-90°	7579.7	93.7
90°-120°	431.2	5.3
90°-150°	504.9	6.2
90°-180°	507.0	6.3
0°-180°	8087.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2416	2416	2416	2416	2416	
5°	2388	2410	2407	2405	2410	227
15°	2290	2320	2331	2342	2350	646
25°	2088	2126	2156	2186	2202	962
35°	1820	1866	1924	1973	1997	1138
45°	1508	1563	1642	1710	1741	1163
55°	1159	1224	1320	1407	1446	1036
65°	787	858	981	1096	1148	776
75°	396	497	661	798	855	424
85°	74	213	399	546	601	92
90°	0	126	298	437	489	3
95°	0	74	219	344	394	0
105°	0	27	115	208	246	0
115°	0	14	71	126	150	0
125°	0	8	44	82	96	0
135°	0	3	27	52	66	0
145°	3	0	11	30	38	1
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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 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2415.5	2415.5	2415.5	2415.5	2415.5
2.5°	2399.1	2421.0	2415.5	2404.6	2404.6
5°	2388.2	2410.1	2407.3	2404.6	2410.1
7.5°	2374.5	2396.4	2396.4	2399.1	2404.6
10°	2352.7	2380.0	2380.0	2380.0	2382.7
12.5°	2325.3	2352.7	2358.1	2360.9	2366.3
15°	2289.8	2319.9	2330.8	2341.7	2349.9
17.5°	2248.8	2278.9	2298.0	2311.7	2325.3
20°	2199.7	2232.4	2257.0	2273.4	2287.1
22.5°	2147.7	2180.5	2205.1	2229.7	2246.1
25°	2087.6	2125.9	2155.9	2186.0	2202.4
27.5°	2027.5	2065.8	2104.0	2139.5	2158.7
30°	1959.2	2002.9	2046.6	2087.6	2106.7
32.5°	1888.1	1934.6	1986.5	2030.2	2052.1
35°	1819.8	1866.3	1923.7	1972.9	1997.4
37.5°	1746.1	1792.5	1858.1	1912.7	1937.3
40°	1666.8	1718.7	1789.8	1847.2	1874.5
42.5°	1590.3	1642.2	1718.7	1781.6	1808.9
45°	1508.3	1563.0	1642.2	1710.5	1740.6
47.5°	1423.6	1481.0	1565.7	1636.8	1669.5
50°	1338.9	1399.0	1486.5	1563.0	1595.8
52.5°	1248.7	1311.6	1404.5	1486.5	1522.0
55°	1158.6	1224.2	1319.8	1407.2	1445.5
57.5°	1068.4	1134.0	1237.8	1330.7	1371.7
60°	975.5	1043.8	1150.4	1251.5	1297.9
62.5°	879.9	950.9	1062.9	1172.2	1221.4
65°	787.0	858.0	981.0	1095.7	1147.6
67.5°	688.6	765.1	896.3	1016.5	1071.1
70°	587.5	674.9	814.3	942.7	997.4
72.5°	497.3	587.5	737.8	868.9	926.3
75°	396.2	497.3	661.3	797.9	855.3
77.5°	308.8	418.1	590.2	729.6	787.0
80°	221.3	341.6	521.9	664.0	721.4
82.5°	142.1	273.2	459.1	603.9	658.5
85°	73.8	213.1	398.9	546.5	601.1
87.5°	21.9	163.9	344.3	489.1	543.8
90°	0.0	125.7	297.8	437.2	489.1
92.5°	0.0	95.6	256.9	390.7	442.7
95°	0.0	73.8	218.6	344.3	393.5
97.5°	0.0	57.4	188.5	303.3	352.5
100°	0.0	46.5	161.2	267.8	314.2
102.5°	0.0	38.3	139.4	237.7	278.7
105°	0.0	27.3	114.8	207.7	245.9
107.5°	0.0	19.1	101.1	183.1	215.9
110°	0.0	16.4	90.2	158.5	191.3



TEST NUMBER: P1357410
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.7	79.2	142.1	169.4
115°	0.0	13.7	71.0	125.7	150.3
117.5°	0.0	10.9	60.1	112.0	133.9
120°	0.0	10.9	54.6	101.1	120.2
122.5°	0.0	8.2	49.2	90.2	109.3
125°	0.0	8.2	43.7	82.0	95.6
127.5°	0.0	5.5	38.3	73.8	87.4
130°	0.0	5.5	35.5	65.6	79.2
132.5°	0.0	2.7	32.8	60.1	71.0
135°	0.0	2.7	27.3	51.9	65.6
137.5°	0.0	0.0	24.6	46.5	57.4
140°	0.0	0.0	19.1	41.0	51.9
142.5°	2.7	0.0	16.4	35.5	43.7
145°	2.7	0.0	10.9	30.1	38.3
147.5°	2.7	2.7	8.2	24.6	30.1
150°	2.7	2.7	5.5	16.4	24.6
152.5°	2.7	2.7	2.7	10.9	16.4
155°	2.7	2.7	0.0	8.2	10.9
157.5°	2.7	2.7	0.0	2.7	5.5
160°	2.7	2.7	0.0	0.0	2.7
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	17.34	18.89	17.80	19.34	19.80	19.37	20.92	19.82	21.36	21.83
	3H	18.83	20.25	19.30	20.70	21.21	21.80	23.21	22.27	23.66	24.17
	4H	19.31	20.65	19.80	21.12	21.64	22.98	24.32	23.47	24.79	25.31
	6H	19.58	20.83	20.09	21.32	21.85	24.21	25.46	24.72	25.94	26.48
	8H	19.64	20.83	20.15	21.34	21.88	24.85	26.05	25.37	26.56	27.10
	12H	19.65	20.80	20.17	21.30	21.87	25.57	26.72	26.10	27.22	27.80
4H	2H	18.21	19.55	18.71	20.02	20.55	19.80	21.14	20.29	21.61	22.13
	3H	19.94	21.08	20.45	21.60	22.14	22.45	23.59	22.96	24.11	24.65
	4H	20.54	21.58	21.07	22.11	22.69	23.80	24.84	24.33	25.37	25.95
	6H	20.94	21.86	21.48	22.41	23.00	25.22	26.15	25.77	26.70	27.29
	8H	21.03	21.90	21.58	22.45	23.05	25.97	26.84	26.52	27.39	27.99
	12H	21.07	21.86	21.64	22.44	23.05	26.81	27.60	27.39	28.18	28.79
8H	4H	21.20	22.07	21.75	22.62	23.22	24.01	24.88	24.56	25.43	26.03
	6H	21.77	22.50	22.35	23.10	23.71	25.60	26.33	26.18	26.93	27.54
	8H	21.95	22.61	22.54	23.21	23.84	26.48	27.15	27.08	27.75	28.38
	12H	22.06	22.65	22.65	23.24	23.93	27.51	28.10	28.11	28.69	29.38
12H	4H	21.39	22.17	21.96	22.75	23.36	24.02	24.81	24.59	25.39	26.00
	6H	22.05	22.71	22.65	23.32	23.94	25.63	26.30	26.23	26.90	27.53
	8H	22.32	22.91	22.92	23.50	24.19	26.59	27.18	27.18	27.77	28.46