

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: P1357409

Luminaire Tested: 8ASL4-10-1-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357409
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_3000K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

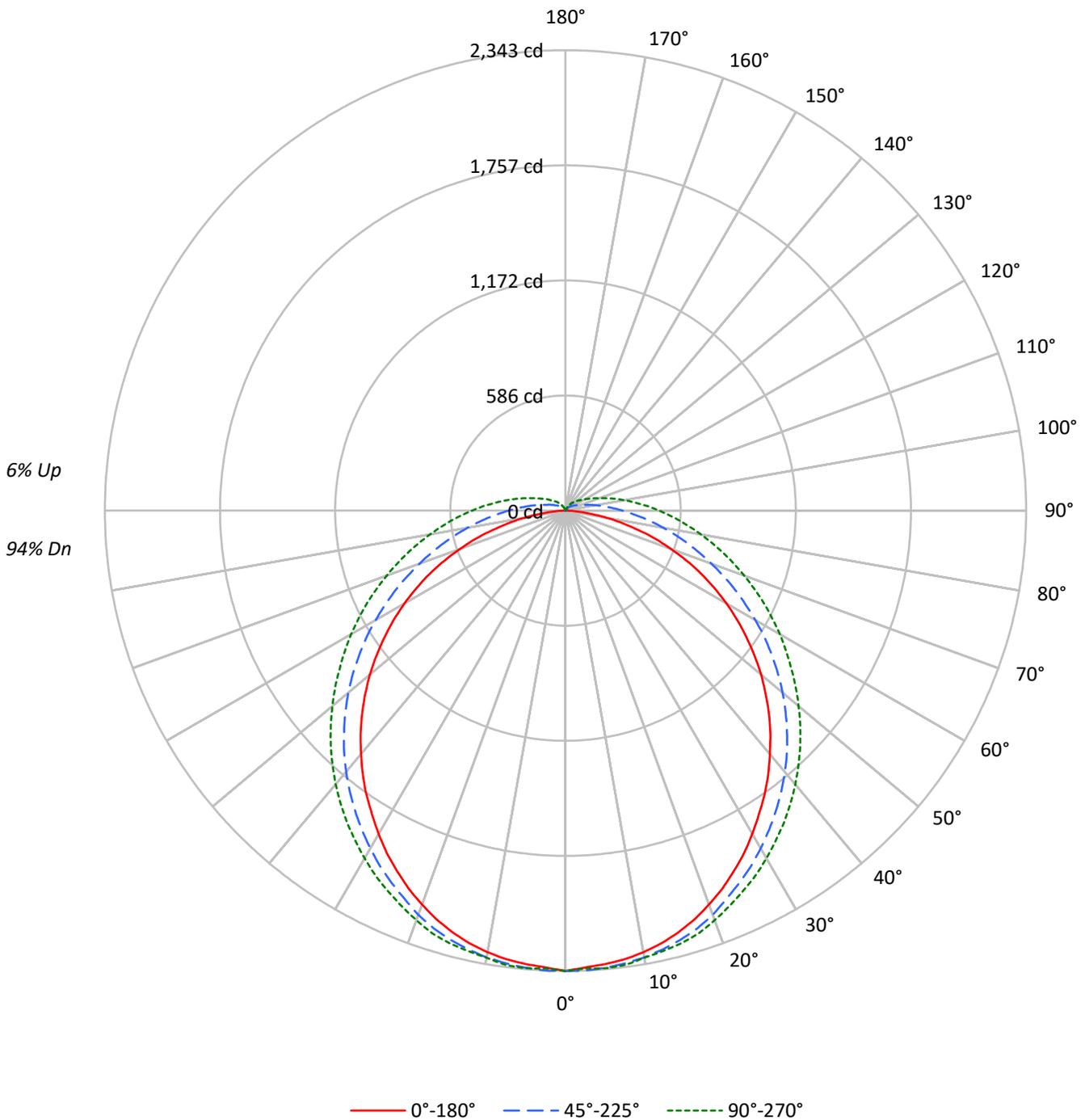
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7844.1 lumens
Efficiency: N/A
Efficacy: 108.8 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

TEST NUMBER: P1357409
CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1357409
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

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°	9482	9482	9482
5°	9400	9299	9244
10°	9356	9117	9001
15°	9273	8922	8812
20°	9145	8699	8578
25°	8987	8433	8326
30°	8814	8188	8090
35°	8642	7939	7853
40°	8449	7687	7610
45°	8265	7411	7362
50°	8051	7123	7101
55°	7784	6797	6840
60°	7489	6457	6611
65°	7110	6100	6383
70°	6509	5725	6159
75°	5730	5395	5988
80°	4659	5117	5882
85°	2893	4949	5922

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8265 cd/sqm



TEST NUMBER: P1357409
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.9	2.8
10°-20°	636.9	8.1
20°-30°	963.0	12.3
30°-40°	1164.0	14.8
40°-50°	1223.8	15.6
50°-60°	1140.1	14.5
60°-70°	936.6	11.9
70°-80°	664.9	8.5
80°-90°	400.8	5.1
90°-100°	224.5	2.9
100°-110°	124.4	1.6
110°-120°	69.4	0.9
120°-130°	40.0	0.5
130°-140°	21.9	0.3
140°-150°	9.7	0.1
150°-160°	2.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1821.7	23.2
0°-40°	2985.7	38.1
0°-60°	5349.6	68.2
0°-90°	7352.0	93.7
90°-120°	418.3	5.3
90°-150°	489.8	6.2
90°-180°	492.0	6.3
0°-180°	7844.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2343	2343	2343	2343	2343	
5°	2316	2338	2335	2332	2338	220
15°	2221	2250	2261	2271	2279	626
25°	2025	2062	2091	2120	2136	933
35°	1765	1810	1866	1914	1937	1104
45°	1463	1516	1593	1659	1688	1128
55°	1124	1187	1280	1365	1402	1005
65°	763	832	952	1063	1113	753
75°	384	482	641	774	830	411
85°	72	207	387	530	583	89
90°	0	122	289	424	474	3
95°	0	72	212	334	382	0
105°	0	26	111	201	238	0
115°	0	13	69	122	146	0
125°	0	8	42	80	93	0
135°	0	3	26	50	64	0
145°	3	0	11	29	37	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



TEST NUMBER: P1357409
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2342.9	2342.9	2342.9	2342.9	2342.9
2.5°	2327.0	2348.2	2342.9	2332.3	2332.3
5°	2316.4	2337.6	2335.0	2332.3	2337.6
7.5°	2303.2	2324.4	2324.4	2327.0	2332.3
10°	2282.0	2308.5	2308.5	2308.5	2311.1
12.5°	2255.5	2282.0	2287.3	2289.9	2295.2
15°	2221.0	2250.2	2260.8	2271.4	2279.3
17.5°	2181.3	2210.4	2229.0	2242.2	2255.5
20°	2133.6	2165.4	2189.2	2205.1	2218.4
22.5°	2083.2	2115.0	2138.9	2162.7	2178.6
25°	2024.9	2062.0	2091.2	2120.3	2136.2
27.5°	1966.6	2003.7	2040.8	2075.2	2093.8
30°	1900.3	1942.7	1985.1	2024.9	2043.4
32.5°	1831.4	1876.5	1926.8	1969.2	1990.4
35°	1765.2	1810.2	1865.9	1913.6	1937.4
37.5°	1693.6	1738.6	1802.3	1855.3	1879.1
40°	1616.7	1667.1	1736.0	1791.7	1818.2
42.5°	1542.5	1592.9	1667.1	1728.0	1754.6
45°	1463.0	1516.0	1592.9	1659.1	1688.3
47.5°	1380.8	1436.5	1518.7	1587.6	1619.4
50°	1298.7	1357.0	1441.8	1516.0	1547.8
52.5°	1211.2	1272.2	1362.3	1441.8	1476.3
55°	1123.8	1187.4	1280.1	1364.9	1402.1
57.5°	1036.3	1099.9	1200.6	1290.7	1330.5
60°	946.2	1012.4	1115.8	1213.9	1258.9
62.5°	853.4	922.3	1031.0	1137.0	1184.7
65°	763.3	832.2	951.5	1062.8	1113.2
67.5°	667.9	742.1	869.3	985.9	1038.9
70°	569.8	654.6	789.8	914.4	967.4
72.5°	482.4	569.8	715.6	842.8	898.5
75°	384.3	482.4	641.4	773.9	829.6
77.5°	299.5	405.5	572.5	707.7	763.3
80°	214.7	331.3	506.2	644.0	699.7
82.5°	137.8	265.0	445.3	585.7	638.7
85°	71.6	206.7	387.0	530.1	583.1
87.5°	21.2	159.0	333.9	474.4	527.4
90°	0.0	121.9	288.9	424.1	474.4
92.5°	0.0	92.8	249.1	379.0	429.4
95°	0.0	71.6	212.0	333.9	381.7
97.5°	0.0	55.7	182.9	294.2	341.9
100°	0.0	45.1	156.4	259.7	304.8
102.5°	0.0	37.1	135.2	230.6	270.3
105°	0.0	26.5	111.3	201.4	238.5
107.5°	0.0	18.6	98.1	177.6	209.4
110°	0.0	15.9	87.5	153.7	185.5



TEST NUMBER: P1357409
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.3	76.9	137.8	164.3
115°	0.0	13.3	68.9	121.9	145.8
117.5°	0.0	10.6	58.3	108.7	129.9
120°	0.0	10.6	53.0	98.1	116.6
122.5°	0.0	8.0	47.7	87.5	106.0
125°	0.0	8.0	42.4	79.5	92.8
127.5°	0.0	5.3	37.1	71.6	84.8
130°	0.0	5.3	34.5	63.6	76.9
132.5°	0.0	2.7	31.8	58.3	68.9
135°	0.0	2.7	26.5	50.4	63.6
137.5°	0.0	0.0	23.9	45.1	55.7
140°	0.0	0.0	18.6	39.8	50.4
142.5°	2.7	0.0	15.9	34.5	42.4
145°	2.7	0.0	10.6	29.2	37.1
147.5°	2.7	2.7	8.0	23.9	29.2
150°	2.7	2.7	5.3	15.9	23.9
152.5°	2.7	2.7	2.7	10.6	15.9
155°	2.7	2.7	0.0	8.0	10.6
157.5°	2.7	2.7	0.0	2.7	5.3
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



TEST NUMBER: P1357409
 CATALOG NUMBER: 8ASL4-10-1-92765-UNV_3000K

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	17.24	18.79	17.70	19.23	19.70	19.26	20.81	19.72	21.25	21.72
	3H	18.73	20.14	19.20	20.59	21.10	21.69	23.10	22.16	23.56	24.07
	4H	19.20	20.54	19.69	21.01	21.53	22.87	24.21	23.36	24.68	25.20
	6H	19.48	20.73	19.98	21.21	21.75	24.11	25.35	24.61	25.84	26.38
	8H	19.53	20.73	20.05	21.23	21.78	24.75	25.94	25.27	26.45	27.00
	12H	19.54	20.69	20.07	21.19	21.77	25.47	26.61	25.99	27.12	27.69
4H	2H	18.11	19.45	18.60	19.92	20.44	19.69	21.03	20.19	21.50	22.03
	3H	19.84	20.98	20.34	21.49	22.04	22.34	23.49	22.85	24.00	24.55
	4H	20.43	21.48	20.96	22.00	22.58	23.69	24.74	24.22	25.26	25.84
	6H	20.83	21.75	21.38	22.30	22.90	25.12	26.04	25.66	26.59	27.18
	8H	20.92	21.79	21.47	22.34	22.95	25.86	26.73	26.42	27.28	27.89
	12H	20.97	21.75	21.54	22.33	22.94	26.71	27.49	27.28	28.07	28.68
8H	4H	21.09	21.96	21.65	22.51	23.12	23.91	24.77	24.46	25.32	25.93
	6H	21.66	22.40	22.25	22.99	23.60	25.49	26.23	26.08	26.82	27.43
	8H	21.84	22.50	22.44	23.11	23.73	26.38	27.04	26.97	27.65	28.27
	12H	21.95	22.54	22.55	23.13	23.82	27.40	27.99	28.00	28.59	29.28
12H	4H	21.28	22.07	21.85	22.65	23.26	23.91	24.70	24.49	25.28	25.89
	6H	21.94	22.61	22.54	23.21	23.83	25.53	26.19	26.12	26.80	27.42
	8H	22.21	22.80	22.81	23.40	24.09	26.48	27.07	27.08	27.66	28.36