

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: P1357424

Luminaire Tested: 8ASL4-10HE-2-92765-UNV_3000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 8ASL4-10HE-2-92765-UNV_3000K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

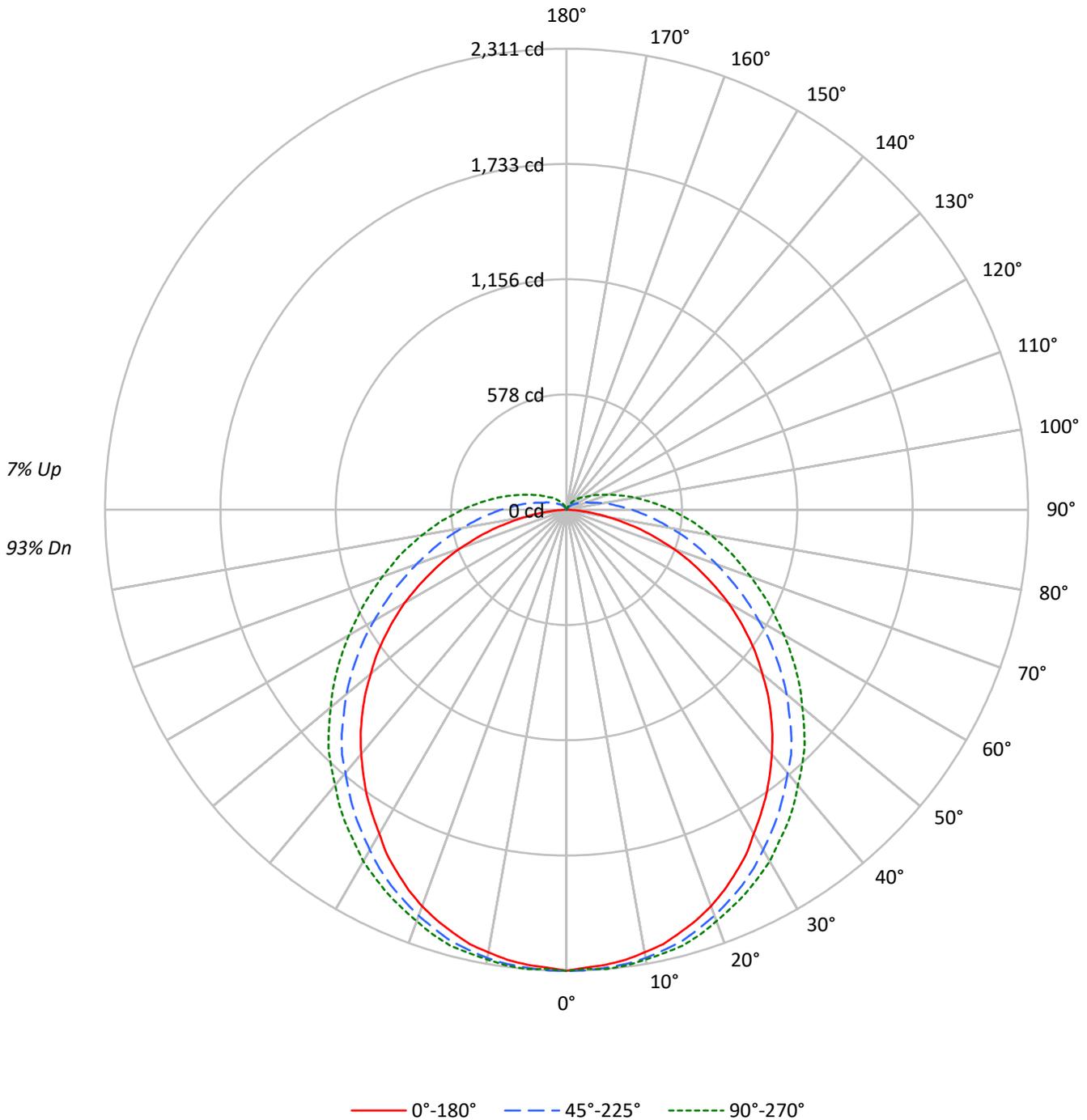
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7934.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 70.3
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: 8ASL4-10HE-2-92765-UNV_3000K

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	39	39	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	27	27	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	24	24	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9353	9353	9353
5°	9290	9174	9139
10°	9237	9012	8917
15°	9164	8834	8738
20°	9065	8606	8487
25°	8903	8382	8271
30°	8697	8124	8056
35°	8539	7885	7807
40°	8356	7626	7544
45°	8170	7405	7353
50°	7930	7110	7068
55°	7702	6792	6843
60°	7420	6434	6603
65°	6973	6104	6417
70°	6476	5794	6246
75°	5743	5563	6190
80°	4574	5363	6171
85°	2937	5390	6348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8170 cd/sqm



TEST NUMBER: P1357424
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	2.8
10°-20°	630.0	7.9
20°-30°	954.6	12.0
30°-40°	1154.6	14.6
40°-50°	1217.2	15.3
50°-60°	1136.1	14.3
60°-70°	937.9	11.8
70°-80°	680.4	8.6
80°-90°	429.9	5.4
90°-100°	256.6	3.2
100°-110°	147.1	1.9
110°-120°	83.5	1.1
120°-130°	47.7	0.6
130°-140°	25.8	0.3
140°-150°	11.3	0.1
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1803.8	22.7
0°-40°	2958.4	37.3
0°-60°	5311.7	66.9
0°-90°	7359.9	92.8
90°-120°	487.2	6.1
90°-150°	572.0	7.2
90°-180°	574.0	7.2
0°-180°	7934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2311	2311	2311	2311	2311	
5°	2289	2311	2304	2304	2311	217
15°	2195	2224	2238	2246	2260	619
25°	2006	2035	2078	2108	2122	924
35°	1744	1788	1853	1904	1926	1090
45°	1446	1504	1592	1657	1686	1115
55°	1112	1177	1279	1366	1403	994
65°	749	828	952	1068	1119	743
75°	385	487	661	799	858	405
85°	73	225	422	567	625	89
90°	0	138	327	465	523	3
95°	0	87	247	378	429	0
105°	0	29	138	240	276	0
115°	0	14	80	145	174	0
125°	0	7	51	94	109	0
135°	0	0	29	58	73	0
145°	0	0	14	36	44	0
155°	0	0	0	7	14	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357424

CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2311.1	2311.1	2311.1	2311.1	2311.1
2.5°	2296.6	2318.4	2311.1	2303.8	2303.8
5°	2289.3	2311.1	2303.8	2303.8	2311.1
7.5°	2274.8	2296.6	2296.6	2296.6	2303.8
10°	2253.0	2282.0	2282.0	2282.0	2289.3
12.5°	2231.1	2253.0	2260.2	2267.5	2274.8
15°	2194.8	2223.9	2238.4	2245.7	2260.2
17.5°	2158.5	2180.3	2202.1	2223.9	2231.1
20°	2114.9	2143.9	2165.7	2187.5	2194.8
22.5°	2064.0	2093.1	2122.1	2143.9	2158.5
25°	2005.9	2034.9	2078.5	2107.6	2122.1
27.5°	1947.7	1976.8	2027.7	2064.0	2078.5
30°	1875.0	1918.6	1969.5	2013.1	2034.9
32.5°	1809.6	1853.2	1911.4	1962.2	1976.8
35°	1744.2	1787.8	1853.2	1904.1	1925.9
37.5°	1671.5	1722.4	1787.8	1846.0	1867.8
40°	1598.9	1649.7	1722.4	1787.8	1802.4
42.5°	1526.2	1577.1	1664.3	1722.4	1744.2
45°	1446.2	1504.4	1591.6	1657.0	1686.1
47.5°	1366.3	1424.4	1511.7	1584.3	1613.4
50°	1279.1	1344.5	1439.0	1511.7	1540.7
52.5°	1199.2	1264.6	1359.0	1439.0	1475.3
55°	1111.9	1177.3	1279.1	1366.3	1402.6
57.5°	1024.7	1090.1	1199.2	1293.6	1330.0
60°	937.5	1002.9	1111.9	1221.0	1257.3
62.5°	843.0	915.7	1032.0	1141.0	1184.6
65°	748.6	828.5	952.1	1068.3	1119.2
67.5°	661.4	741.3	872.1	1002.9	1046.5
70°	566.9	654.1	799.4	930.3	981.1
72.5°	472.4	566.9	726.8	864.8	915.7
75°	385.2	486.9	661.4	799.4	857.6
77.5°	290.7	414.3	595.9	741.3	792.2
80°	210.8	341.6	530.5	683.2	734.0
82.5°	138.1	276.2	472.4	625.0	675.9
85°	72.7	225.3	421.5	566.9	625.0
87.5°	21.8	174.4	370.6	516.0	566.9
90°	0.0	138.1	327.0	465.1	523.3
92.5°	0.0	109.0	283.4	421.5	472.4
95°	0.0	87.2	247.1	377.9	428.8
97.5°	0.0	72.7	218.0	341.6	385.2
100°	0.0	58.1	189.0	305.2	348.8
102.5°	0.0	43.6	159.9	268.9	312.5
105°	0.0	29.1	138.1	239.8	276.2
107.5°	0.0	21.8	116.3	210.8	247.1
110°	0.0	21.8	109.0	181.7	218.0



TEST NUMBER: P1357424
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.5	94.5	167.2	196.2
115°	0.0	14.5	79.9	145.4	174.4
117.5°	0.0	14.5	72.7	130.8	159.9
120°	0.0	14.5	65.4	116.3	138.1
122.5°	0.0	7.3	58.1	101.7	123.5
125°	0.0	7.3	50.9	94.5	109.0
127.5°	0.0	7.3	43.6	87.2	101.7
130°	0.0	7.3	43.6	79.9	94.5
132.5°	0.0	0.0	36.3	72.7	87.2
135°	0.0	0.0	29.1	58.1	72.7
137.5°	0.0	0.0	29.1	50.9	65.4
140°	0.0	0.0	21.8	50.9	58.1
142.5°	0.0	0.0	14.5	43.6	50.9
145°	0.0	0.0	14.5	36.3	43.6
147.5°	0.0	0.0	7.3	29.1	36.3
150°	0.0	0.0	7.3	21.8	29.1
152.5°	0.0	0.0	0.0	14.5	21.8
155°	0.0	0.0	0.0	7.3	14.5
157.5°	0.0	0.0	0.0	0.0	7.3
160°	0.0	0.0	0.0	0.0	0.0
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	17.09	18.63	17.57	19.09	19.58	19.20	20.73	19.67	21.19	21.68
	3H	18.60	20.00	19.08	20.47	21.00	21.67	23.07	22.15	23.54	24.07
	4H	19.08	20.40	19.58	20.89	21.44	22.89	24.22	23.40	24.71	25.25
	6H	19.35	20.59	19.87	21.09	21.65	24.19	25.43	24.71	25.93	26.49
	8H	19.40	20.59	19.94	21.11	21.68	24.87	26.06	25.41	26.58	27.15
	12H	19.42	20.56	19.96	21.07	21.67	25.64	26.78	26.18	27.30	27.89
4H	2H	17.98	19.31	18.49	19.80	20.34	19.63	20.95	20.13	21.44	21.98
	3H	19.73	20.86	20.24	21.39	21.95	22.33	23.46	22.84	23.99	24.55
	4H	20.33	21.37	20.87	21.91	22.51	23.73	24.76	24.26	25.30	25.90
	6H	20.73	21.65	21.29	22.22	22.83	25.22	26.14	25.78	26.70	27.32
	8H	20.83	21.69	21.40	22.26	22.89	26.01	26.87	26.58	27.44	28.07
	12H	20.88	21.66	21.46	22.26	22.89	26.90	27.69	27.49	28.28	28.91
8H	4H	21.04	21.90	21.60	22.47	23.09	23.94	24.81	24.51	25.37	26.00
	6H	21.63	22.36	22.22	22.96	23.60	25.62	26.35	26.21	26.95	27.59
	8H	21.81	22.47	22.42	23.09	23.74	26.55	27.21	27.16	27.83	28.47
	12H	21.93	22.52	22.54	23.13	23.84	27.63	28.22	28.24	28.82	29.53
12H	4H	21.24	22.03	21.83	22.62	23.25	23.95	24.74	24.54	25.33	25.96
	6H	21.94	22.60	22.54	23.22	23.86	25.65	26.31	26.26	26.93	27.58
	8H	22.22	22.81	22.83	23.42	24.13	26.66	27.25	27.27	27.85	28.56