

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: P1357427

Luminaire Tested: 8ASL4-10HE-2-92765-UNV_5000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357427
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_5000K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

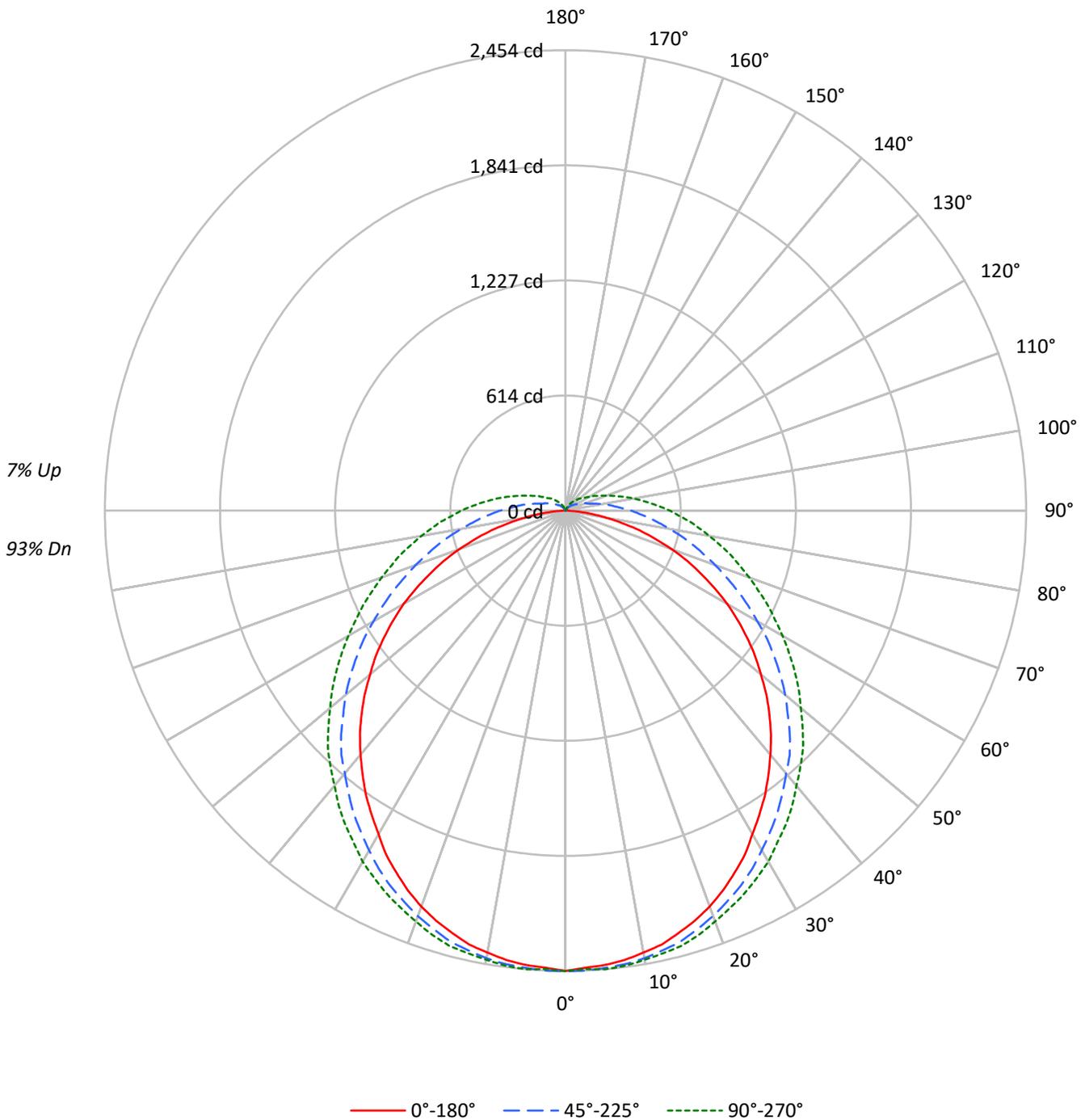
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8425.0 lumens
Efficiency: N/A
Efficacy: 119.8 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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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	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°	9932	9932	9932
5°	9865	9742	9704
10°	9809	9570	9468
15°	9731	9380	9279
20°	9626	9139	9012
25°	9454	8901	8783
30°	9235	8627	8555
35°	9068	8373	8290
40°	8872	8098	8011
45°	8677	7863	7807
50°	8421	7549	7506
55°	8179	7213	7266
60°	7879	6833	7011
65°	7405	6482	6814
70°	6877	6153	6633
75°	6098	5907	6573
80°	4856	5695	6553
85°	3119	5724	6741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	2.8
10°-20°	669.0	7.9
20°-30°	1013.7	12.0
30°-40°	1226.1	14.6
40°-50°	1292.6	15.3
50°-60°	1206.4	14.3
60°-70°	996.0	11.8
70°-80°	722.5	8.6
80°-90°	456.5	5.4
90°-100°	272.5	3.2
100°-110°	156.2	1.9
110°-120°	88.7	1.1
120°-130°	50.6	0.6
130°-140°	27.4	0.3
140°-150°	12.0	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1915.4	22.7
0°-40°	3141.5	37.3
0°-60°	5640.4	66.9
0°-90°	7815.5	92.8
90°-120°	517.4	6.1
90°-150°	607.4	7.2
90°-180°	610.0	7.2
0°-180°	8425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2454	2454	2454	2454	2454	
5°	2431	2454	2446	2446	2454	231
15°	2331	2362	2377	2385	2400	658
25°	2130	2161	2207	2238	2254	981
35°	1852	1898	1968	2022	2045	1158
45°	1536	1598	1690	1760	1790	1184
55°	1181	1250	1358	1451	1489	1055
65°	795	880	1011	1134	1188	789
75°	409	517	702	849	911	430
85°	77	239	448	602	664	94
90°	0	147	347	494	556	3
95°	0	93	262	401	455	0
105°	0	31	147	255	293	0
115°	0	15	85	154	185	0
125°	0	8	54	100	116	0
135°	0	0	31	62	77	0
145°	0	0	15	39	46	0
155°	0	0	0	8	15	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°	2454.1	2454.1	2454.1	2454.1	2454.1
2.5°	2438.7	2461.8	2454.1	2446.4	2446.4
5°	2431.0	2454.1	2446.4	2446.4	2454.1
7.5°	2415.5	2438.7	2438.7	2438.7	2446.4
10°	2392.4	2423.2	2423.2	2423.2	2431.0
12.5°	2369.2	2392.4	2400.1	2407.8	2415.5
15°	2330.6	2361.5	2376.9	2384.7	2400.1
17.5°	2292.1	2315.2	2338.4	2361.5	2369.2
20°	2245.7	2276.6	2299.8	2322.9	2330.6
22.5°	2191.7	2222.6	2253.5	2276.6	2292.1
25°	2130.0	2160.9	2207.2	2238.0	2253.5
27.5°	2068.2	2099.1	2153.1	2191.7	2207.2
30°	1991.1	2037.4	2091.4	2137.7	2160.9
32.5°	1921.6	1967.9	2029.7	2083.7	2099.1
35°	1852.2	1898.5	1967.9	2021.9	2045.1
37.5°	1775.0	1829.0	1898.5	1960.2	1983.4
40°	1697.8	1751.8	1829.0	1898.5	1913.9
42.5°	1620.6	1674.7	1767.3	1829.0	1852.2
45°	1535.8	1597.5	1690.1	1759.6	1790.4
47.5°	1450.9	1512.6	1605.2	1682.4	1713.3
50°	1358.3	1427.7	1528.0	1605.2	1636.1
52.5°	1273.4	1342.8	1443.1	1528.0	1566.6
55°	1180.8	1250.2	1358.3	1450.9	1489.4
57.5°	1088.1	1157.6	1273.4	1373.7	1412.3
60°	995.5	1065.0	1180.8	1296.5	1335.1
62.5°	895.2	972.4	1095.9	1211.6	1257.9
65°	794.9	879.8	1011.0	1134.4	1188.5
67.5°	702.3	787.2	926.1	1065.0	1111.3
70°	602.0	694.6	848.9	987.8	1041.8
72.5°	501.6	602.0	771.7	918.4	972.4
75°	409.0	517.1	702.3	848.9	910.6
77.5°	308.7	439.9	632.8	787.2	841.2
80°	223.8	362.7	563.4	725.4	779.5
82.5°	146.6	293.3	501.6	663.7	717.7
85°	77.2	239.2	447.6	602.0	663.7
87.5°	23.2	185.2	393.6	547.9	602.0
90°	0.0	146.6	347.3	493.9	555.6
92.5°	0.0	115.8	301.0	447.6	501.6
95°	0.0	92.6	262.4	401.3	455.3
97.5°	0.0	77.2	231.5	362.7	409.0
100°	0.0	61.7	200.7	324.1	370.4
102.5°	0.0	46.3	169.8	285.5	331.8
105°	0.0	30.9	146.6	254.7	293.3
107.5°	0.0	23.2	123.5	223.8	262.4
110°	0.0	23.2	115.8	192.9	231.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.4	100.3	177.5	208.4
115°	0.0	15.4	84.9	154.3	185.2
117.5°	0.0	15.4	77.2	138.9	169.8
120°	0.0	15.4	69.5	123.5	146.6
122.5°	0.0	7.7	61.7	108.0	131.2
125°	0.0	7.7	54.0	100.3	115.8
127.5°	0.0	7.7	46.3	92.6	108.0
130°	0.0	7.7	46.3	84.9	100.3
132.5°	0.0	0.0	38.6	77.2	92.6
135°	0.0	0.0	30.9	61.7	77.2
137.5°	0.0	0.0	30.9	54.0	69.5
140°	0.0	0.0	23.2	54.0	61.7
142.5°	0.0	0.0	15.4	46.3	54.0
145°	0.0	0.0	15.4	38.6	46.3
147.5°	0.0	0.0	7.7	30.9	38.6
150°	0.0	0.0	7.7	23.2	30.9
152.5°	0.0	0.0	0.0	15.4	23.2
155°	0.0	0.0	0.0	7.7	15.4
157.5°	0.0	0.0	0.0	0.0	7.7
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	17.30	18.84	17.78	19.30	19.79	19.41	20.94	19.88	21.40	21.89
	3H	18.80	20.21	19.29	20.68	21.21	21.88	23.28	22.36	23.75	24.28
	4H	19.28	20.61	19.79	21.10	21.64	23.10	24.43	23.61	24.92	25.46
	6H	19.56	20.80	20.08	21.30	21.86	24.40	25.64	24.92	26.14	26.70
	8H	19.61	20.80	20.14	21.32	21.89	25.08	26.27	25.61	26.79	27.36
	12H	19.63	20.76	20.17	21.28	21.88	25.85	26.99	26.39	27.51	28.10
4H	2H	18.19	19.52	18.70	20.01	20.55	19.83	21.16	20.34	21.65	22.19
	3H	19.93	21.07	20.45	21.60	22.16	22.53	23.67	23.05	24.20	24.76
	4H	20.54	21.58	21.08	22.12	22.72	23.93	24.97	24.47	25.51	26.11
	6H	20.94	21.86	21.50	22.43	23.04	25.43	26.35	25.99	26.91	27.53
	8H	21.04	21.90	21.60	22.47	23.09	26.22	27.08	26.78	27.65	28.27
	12H	21.09	21.87	21.67	22.46	23.10	27.11	27.90	27.70	28.49	29.12
8H	4H	21.25	22.11	21.81	22.68	23.30	24.15	25.01	24.72	25.58	26.21
	6H	21.83	22.57	22.43	23.17	23.80	25.82	26.55	26.42	27.16	27.79
	8H	22.02	22.68	22.63	23.30	23.94	26.76	27.42	27.37	28.04	28.68
	12H	22.14	22.73	22.75	23.34	24.05	27.84	28.42	28.45	29.03	29.74
12H	4H	21.45	22.24	22.04	22.83	23.46	24.16	24.94	24.75	25.54	26.17
	6H	22.14	22.81	22.75	23.42	24.07	25.86	26.52	26.47	27.14	27.78
	8H	22.43	23.02	23.04	23.63	24.34	26.86	27.45	27.47	28.06	28.77