

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: P1357411

Luminaire Tested: 8ASL4-10-1-92765-UNV_4000K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357411
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_4000K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 4000K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

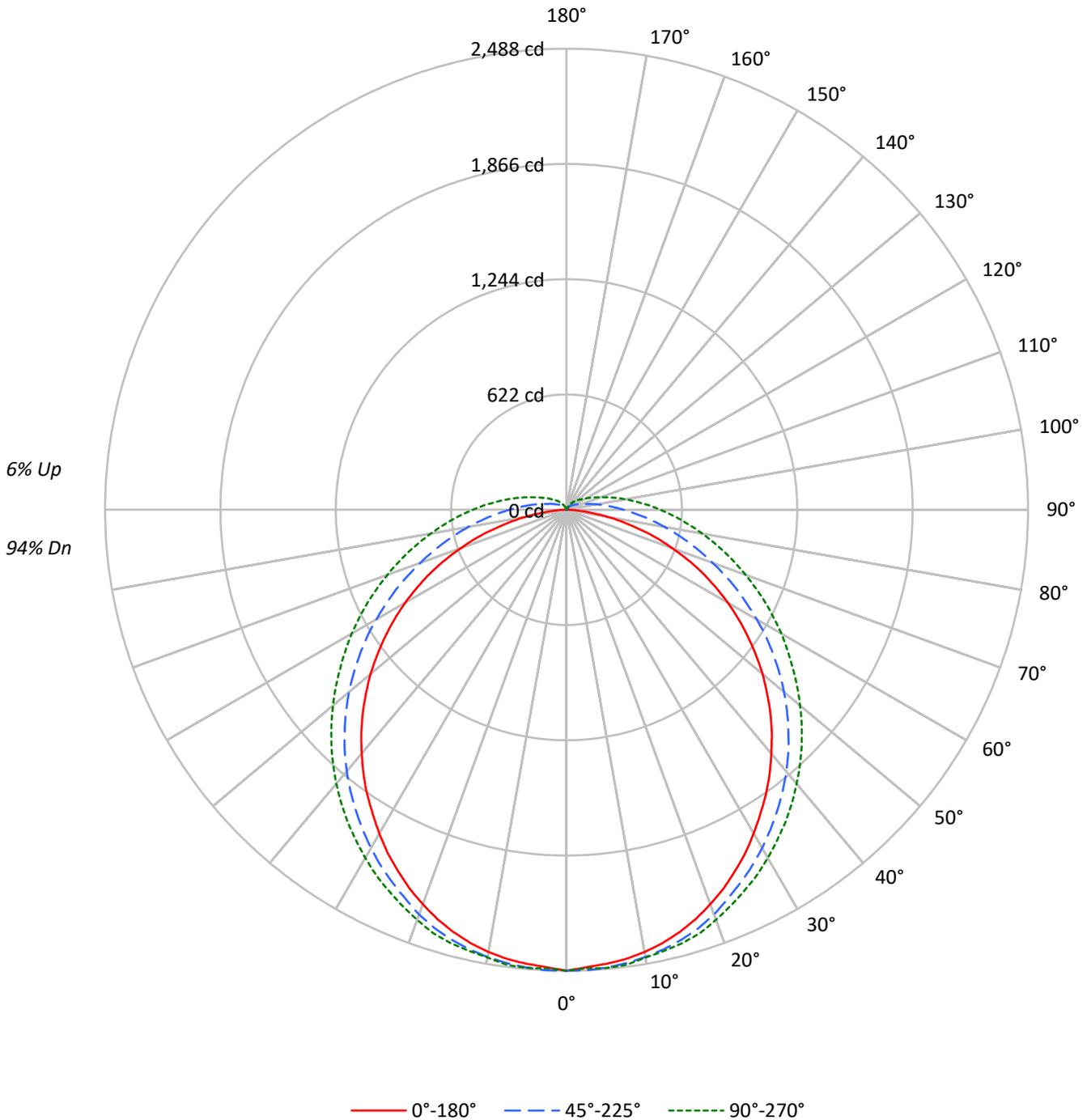
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8329.0 lumens
Efficiency: N/A
Efficacy: 115.5 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	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°	10068	10068	10068
5°	9981	9874	9816
10°	9935	9680	9558
15°	9846	9474	9357
20°	9711	9238	9109
25°	9543	8954	8841
30°	9359	8695	8590
35°	9176	8429	8339
40°	8971	8162	8081
45°	8777	7869	7817
50°	8549	7564	7540
55°	8265	7218	7263
60°	7952	6856	7020
65°	7550	6477	6777
70°	6912	6078	6540
75°	6085	5728	6358
80°	4947	5433	6246
85°	3071	5254	6288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8777 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.6	2.8
10°-20°	676.3	8.1
20°-30°	1022.5	12.3
30°-40°	1236.0	14.8
40°-50°	1299.5	15.6
50°-60°	1210.6	14.5
60°-70°	994.5	11.9
70°-80°	706.0	8.5
80°-90°	425.6	5.1
90°-100°	238.4	2.9
100°-110°	132.1	1.6
110°-120°	73.6	0.9
120°-130°	42.4	0.5
130°-140°	23.2	0.3
140°-150°	10.3	0.1
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1934.4	23.2
0°-40°	3170.3	38.1
0°-60°	5680.4	68.2
0°-90°	7806.6	93.7
90°-120°	444.1	5.3
90°-150°	520.0	6.2
90°-180°	522.0	6.3
0°-180°	8329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2488	2488	2488	2488	2488	
5°	2460	2482	2479	2476	2482	234
15°	2358	2389	2401	2412	2420	665
25°	2150	2190	2220	2251	2268	991
35°	1874	1922	1981	2032	2057	1172
45°	1554	1610	1691	1762	1793	1198
55°	1193	1261	1359	1449	1489	1067
65°	810	884	1010	1128	1182	799
75°	408	512	681	822	881	436
85°	76	220	411	563	619	94
90°	0	130	307	450	504	3
95°	0	76	225	355	405	0
105°	0	28	118	214	253	0
115°	0	14	73	130	155	0
125°	0	8	45	84	98	0
135°	0	3	28	54	68	0
145°	3	0	11	31	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°	2487.8	2487.8	2487.8	2487.8	2487.8
2.5°	2470.9	2493.4	2487.8	2476.5	2476.5
5°	2459.7	2482.2	2479.4	2476.5	2482.2
7.5°	2445.6	2468.1	2468.1	2470.9	2476.5
10°	2423.1	2451.2	2451.2	2451.2	2454.0
12.5°	2394.9	2423.1	2428.7	2431.5	2437.1
15°	2358.3	2389.3	2400.6	2411.8	2420.3
17.5°	2316.1	2347.1	2366.8	2380.9	2394.9
20°	2265.5	2299.2	2324.6	2341.5	2355.5
22.5°	2212.0	2245.8	2271.1	2296.4	2313.3
25°	2150.1	2189.5	2220.4	2251.4	2268.3
27.5°	2088.2	2127.6	2167.0	2203.6	2223.3
30°	2017.8	2062.8	2107.9	2150.1	2169.8
32.5°	1944.7	1992.5	2046.0	2091.0	2113.5
35°	1874.3	1922.1	1981.2	2031.9	2057.2
37.5°	1798.3	1846.2	1913.7	1970.0	1995.3
40°	1716.7	1770.2	1843.3	1902.4	1930.6
42.5°	1637.9	1691.4	1770.2	1834.9	1863.0
45°	1553.5	1609.8	1691.4	1761.7	1792.7
47.5°	1466.2	1525.3	1612.6	1685.7	1719.5
50°	1379.0	1440.9	1531.0	1609.8	1643.5
52.5°	1286.1	1350.8	1446.5	1531.0	1567.5
55°	1193.2	1260.8	1359.3	1449.3	1488.7
57.5°	1100.4	1167.9	1274.9	1370.5	1412.8
60°	1004.7	1075.0	1184.8	1288.9	1336.8
62.5°	906.2	979.4	1094.7	1207.3	1258.0
65°	810.5	883.7	1010.3	1128.5	1182.0
67.5°	709.2	788.0	923.1	1046.9	1103.2
70°	605.1	695.1	838.6	970.9	1027.2
72.5°	512.2	605.1	759.8	894.9	954.0
75°	408.1	512.2	681.0	821.8	880.9
77.5°	318.0	430.6	607.9	751.4	810.5
80°	228.0	351.8	537.5	683.9	743.0
82.5°	146.3	281.4	472.8	622.0	678.2
85°	76.0	219.5	410.9	562.9	619.1
87.5°	22.5	168.9	354.6	503.8	560.0
90°	0.0	129.5	306.8	450.3	503.8
92.5°	0.0	98.5	264.5	402.4	455.9
95°	0.0	76.0	225.1	354.6	405.3
97.5°	0.0	59.1	194.2	312.4	363.0
100°	0.0	47.8	166.0	275.8	323.6
102.5°	0.0	39.4	143.5	244.8	287.1
105°	0.0	28.1	118.2	213.9	253.3
107.5°	0.0	19.7	104.1	188.6	222.3
110°	0.0	16.9	92.9	163.2	197.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.1	81.6	146.3	174.5
115°	0.0	14.1	73.2	129.5	154.8
117.5°	0.0	11.3	61.9	115.4	137.9
120°	0.0	11.3	56.3	104.1	123.8
122.5°	0.0	8.4	50.7	92.9	112.6
125°	0.0	8.4	45.0	84.4	98.5
127.5°	0.0	5.6	39.4	76.0	90.1
130°	0.0	5.6	36.6	67.5	81.6
132.5°	0.0	2.8	33.8	61.9	73.2
135°	0.0	2.8	28.1	53.5	67.5
137.5°	0.0	0.0	25.3	47.8	59.1
140°	0.0	0.0	19.7	42.2	53.5
142.5°	2.8	0.0	16.9	36.6	45.0
145°	2.8	0.0	11.3	31.0	39.4
147.5°	2.8	2.8	8.4	25.3	31.0
150°	2.8	2.8	5.6	16.9	25.3
152.5°	2.8	2.8	2.8	11.3	16.9
155°	2.8	2.8	0.0	8.4	11.3
157.5°	2.8	2.8	0.0	2.8	5.6
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	17.44	19.00	17.90	19.44	19.91	19.47	21.02	19.93	21.46	21.93
	3H	18.93	20.35	19.41	20.80	21.31	21.90	23.31	22.37	23.76	24.27
	4H	19.41	20.75	19.90	21.22	21.74	23.08	24.42	23.57	24.89	25.41
	6H	19.69	20.93	20.19	21.42	21.96	24.31	25.56	24.82	26.05	26.59
	8H	19.74	20.93	20.26	21.44	21.99	24.96	26.15	25.48	26.66	27.21
	12H	19.75	20.90	20.28	21.40	21.98	25.68	26.82	26.20	27.32	27.90
4H	2H	18.32	19.66	18.81	20.13	20.65	19.90	21.24	20.39	21.71	22.23
	3H	20.04	21.19	20.55	21.70	22.25	22.55	23.69	23.06	24.21	24.75
	4H	20.64	21.69	21.17	22.21	22.79	23.90	24.95	24.43	25.47	26.05
	6H	21.04	21.96	21.58	22.51	23.10	25.33	26.25	25.87	26.80	27.39
	8H	21.13	22.00	21.68	22.55	23.15	26.07	26.94	26.62	27.49	28.10
	12H	21.17	21.96	21.75	22.54	23.15	26.92	27.70	27.49	28.28	28.89
8H	4H	21.30	22.17	21.85	22.72	23.33	24.11	24.98	24.66	25.53	26.14
	6H	21.87	22.61	22.46	23.20	23.81	25.70	26.44	26.29	27.03	27.64
	8H	22.05	22.71	22.64	23.32	23.94	26.59	27.25	27.18	27.85	28.48
	12H	22.16	22.75	22.75	23.34	24.03	27.61	28.20	28.21	28.80	29.49
12H	4H	21.49	22.28	22.06	22.86	23.47	24.12	24.91	24.69	25.49	26.10
	6H	22.15	22.82	22.75	23.42	24.04	25.74	26.40	26.33	27.00	27.63
	8H	22.42	23.01	23.02	23.61	24.30	26.69	27.28	27.29	27.87	28.56