

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: P1357408

Luminaire Tested: 8ASL4-10-1-92765-UNV_2700K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357408
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_2700K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 2700K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

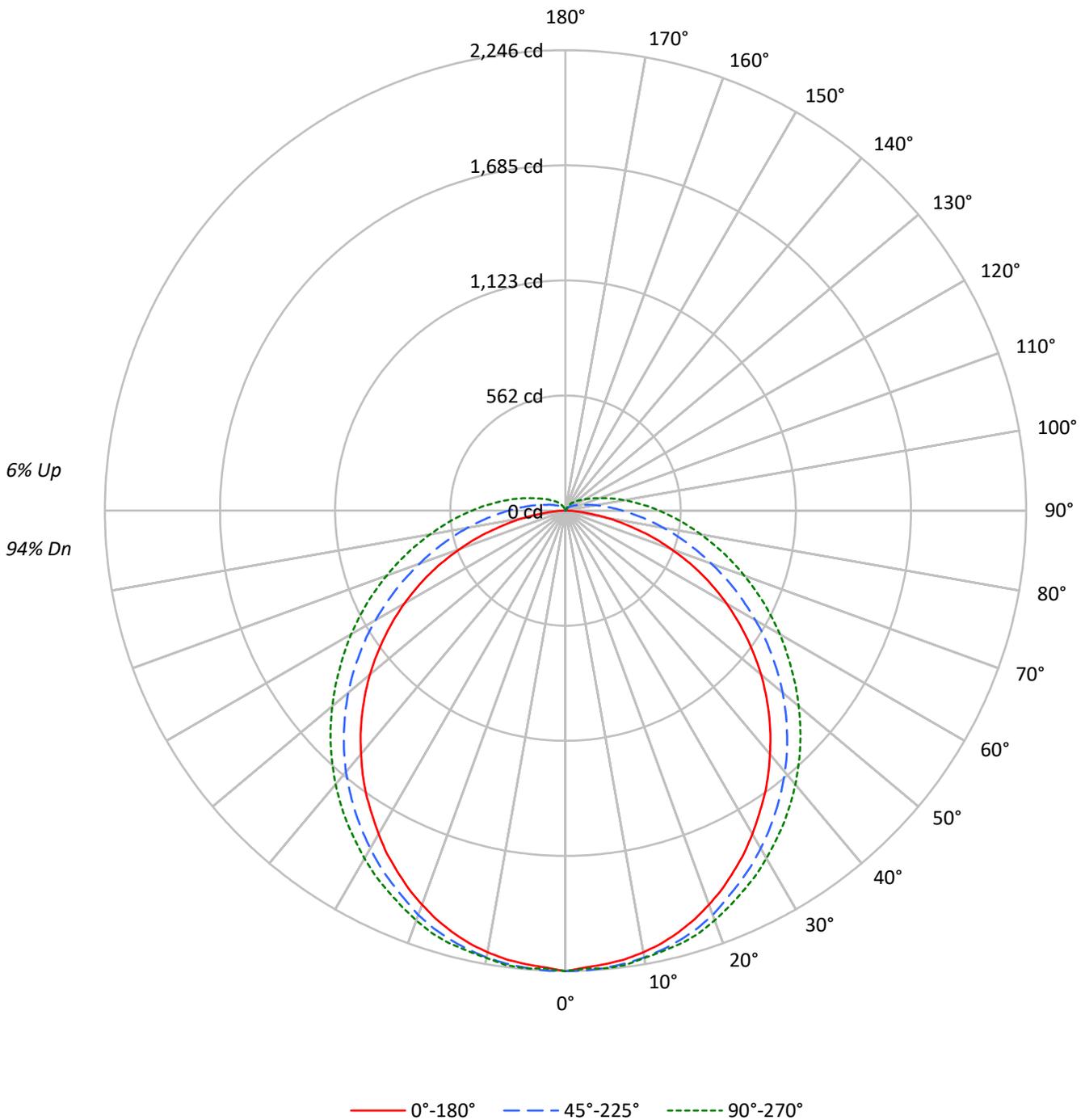
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7521.0 lumens
Efficiency: N/A
Efficacy: 104.3 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	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9092	9092	9092
5°	9013	8916	8863
10°	8971	8741	8631
15°	8892	8555	8449
20°	8769	8341	8225
25°	8617	8085	7983
30°	8451	7851	7757
35°	8286	7612	7530
40°	8101	7370	7297
45°	7925	7106	7059
50°	7720	6830	6808
55°	7463	6518	6558
60°	7181	6191	6339
65°	6818	5849	6120
70°	6242	5489	5906
75°	5494	5173	5741
80°	4466	4907	5640
85°	2772	4744	5678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7925 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	2.8
10°-20°	610.7	8.1
20°-30°	923.3	12.3
30°-40°	1116.1	14.8
40°-50°	1173.4	15.6
50°-60°	1093.1	14.5
60°-70°	898.1	11.9
70°-80°	637.5	8.5
80°-90°	384.3	5.1
90°-100°	215.3	2.9
100°-110°	119.2	1.6
110°-120°	66.5	0.9
120°-130°	38.3	0.5
130°-140°	20.9	0.3
140°-150°	9.3	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1746.7	23.2
0°-40°	2862.8	38.1
0°-60°	5129.3	68.2
0°-90°	7049.2	93.7
90°-120°	401.0	5.3
90°-150°	469.6	6.2
90°-180°	472.0	6.3
0°-180°	7521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2246	2246	2246	2246	2246	
5°	2221	2241	2239	2236	2241	211
15°	2130	2158	2168	2178	2186	600
25°	1942	1977	2005	2033	2048	895
35°	1692	1736	1789	1835	1858	1058
45°	1403	1454	1527	1591	1619	1082
55°	1078	1138	1227	1309	1344	963
65°	732	798	912	1019	1067	722
75°	368	462	615	742	795	394
85°	69	198	371	508	559	85
90°	0	117	277	407	455	3
95°	0	69	203	320	366	0
105°	0	25	107	193	229	0
115°	0	13	66	117	140	0
125°	0	8	41	76	89	0
135°	0	2	25	48	61	0
145°	2	0	10	28	36	1
155°	2	2	0	8	10	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°	2246.5	2246.5	2246.5	2246.5	2246.5
2.5°	2231.2	2251.5	2246.5	2236.3	2236.3
5°	2221.0	2241.4	2238.8	2236.3	2241.4
7.5°	2208.3	2228.7	2228.7	2231.2	2236.3
10°	2188.0	2213.4	2213.4	2213.4	2216.0
12.5°	2162.6	2188.0	2193.1	2195.6	2200.7
15°	2129.6	2157.5	2167.7	2177.8	2185.5
17.5°	2091.4	2119.4	2137.2	2149.9	2162.6
20°	2045.7	2076.2	2099.1	2114.3	2127.0
22.5°	1997.4	2027.9	2050.8	2073.7	2088.9
25°	1941.5	1977.1	2005.0	2033.0	2048.2
27.5°	1885.6	1921.2	1956.8	1989.8	2007.6
30°	1822.1	1862.7	1903.4	1941.5	1959.3
32.5°	1756.0	1799.2	1847.5	1888.1	1908.5
35°	1692.5	1735.7	1789.0	1834.8	1857.6
37.5°	1623.9	1667.1	1728.0	1778.9	1801.7
40°	1550.2	1598.4	1664.5	1717.9	1743.3
42.5°	1479.0	1527.3	1598.4	1656.9	1682.3
45°	1402.8	1453.6	1527.3	1590.8	1618.8
47.5°	1324.0	1377.4	1456.1	1522.2	1552.7
50°	1245.2	1301.1	1382.4	1453.6	1484.1
52.5°	1161.3	1219.8	1306.2	1382.4	1415.5
55°	1077.5	1138.5	1227.4	1308.7	1344.3
57.5°	993.6	1054.6	1151.2	1237.6	1275.7
60°	907.2	970.8	1069.9	1163.9	1207.1
62.5°	818.3	884.4	988.5	1090.2	1135.9
65°	731.9	798.0	912.3	1019.0	1067.3
67.5°	640.4	711.5	833.5	945.3	996.2
70°	546.4	627.7	757.3	876.7	927.6
72.5°	462.5	546.4	686.1	808.1	861.5
75°	368.5	462.5	615.0	742.0	795.4
77.5°	287.2	388.8	548.9	678.5	731.9
80°	205.8	317.7	485.4	617.5	670.9
82.5°	132.1	254.1	426.9	561.6	612.4
85°	68.6	198.2	371.0	508.2	559.1
87.5°	20.3	152.5	320.2	454.9	505.7
90°	0.0	116.9	277.0	406.6	454.9
92.5°	0.0	88.9	238.9	363.4	411.7
95°	0.0	68.6	203.3	320.2	365.9
97.5°	0.0	53.4	175.3	282.1	327.8
100°	0.0	43.2	149.9	249.0	292.2
102.5°	0.0	35.6	129.6	221.1	259.2
105°	0.0	25.4	106.7	193.1	228.7
107.5°	0.0	17.8	94.0	170.3	200.8
110°	0.0	15.2	83.9	147.4	177.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.7	73.7	132.1	157.6
115°	0.0	12.7	66.1	116.9	139.8
117.5°	0.0	10.2	55.9	104.2	124.5
120°	0.0	10.2	50.8	94.0	111.8
122.5°	0.0	7.6	45.7	83.9	101.6
125°	0.0	7.6	40.7	76.2	88.9
127.5°	0.0	5.1	35.6	68.6	81.3
130°	0.0	5.1	33.0	61.0	73.7
132.5°	0.0	2.5	30.5	55.9	66.1
135°	0.0	2.5	25.4	48.3	61.0
137.5°	0.0	0.0	22.9	43.2	53.4
140°	0.0	0.0	17.8	38.1	48.3
142.5°	2.5	0.0	15.2	33.0	40.7
145°	2.5	0.0	10.2	28.0	35.6
147.5°	2.5	2.5	7.6	22.9	28.0
150°	2.5	2.5	5.1	15.2	22.9
152.5°	2.5	2.5	2.5	10.2	15.2
155°	2.5	2.5	0.0	7.6	10.2
157.5°	2.5	2.5	0.0	2.5	5.1
160°	2.5	2.5	0.0	0.0	2.5
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	18.64	17.55	19.08	19.55	19.11	20.66	19.57	21.11	21.58
	3H	18.58	19.99	19.05	20.45	20.96	21.54	22.96	22.01	23.41	23.92
	4H	19.06	20.40	19.55	20.87	21.39	22.73	24.07	23.22	24.54	25.06
	6H	19.33	20.58	19.84	21.06	21.60	23.96	25.21	24.47	25.69	26.23
	8H	19.38	20.58	19.90	21.09	21.63	24.60	25.80	25.12	26.31	26.85
	12H	19.40	20.54	19.92	21.05	21.62	25.32	26.47	25.85	26.97	27.54
4H	2H	17.96	19.30	18.45	19.77	20.29	19.55	20.89	20.04	21.36	21.88
	3H	19.69	20.83	20.20	21.35	21.89	22.20	23.34	22.70	23.85	24.40
	4H	20.29	21.33	20.81	21.86	22.44	23.55	24.59	24.07	25.12	25.69
	6H	20.68	21.61	21.23	22.16	22.75	24.97	25.89	25.52	26.44	27.04
	8H	20.78	21.64	21.33	22.19	22.80	25.72	26.58	26.27	27.14	27.74
	12H	20.82	21.61	21.39	22.19	22.80	26.56	27.35	27.13	27.93	28.54
8H	4H	20.95	21.82	21.50	22.37	22.97	23.76	24.63	24.31	25.18	25.78
	6H	21.52	22.25	22.10	22.84	23.46	25.35	26.08	25.93	26.68	27.29
	8H	21.69	22.36	22.29	22.96	23.58	26.23	26.89	26.83	27.50	28.12
	12H	21.80	22.39	22.40	22.99	23.68	27.26	27.85	27.85	28.44	29.13
12H	4H	21.13	21.92	21.71	22.50	23.11	23.77	24.55	24.34	25.13	25.74
	6H	21.80	22.46	22.39	23.07	23.69	25.38	26.05	25.98	26.65	27.27
	8H	22.07	22.66	22.66	23.25	23.94	26.33	26.93	26.93	27.52	28.21