

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: IRiS

Report Number: P1305929

Luminaire Tested: P3SQAS13R359024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

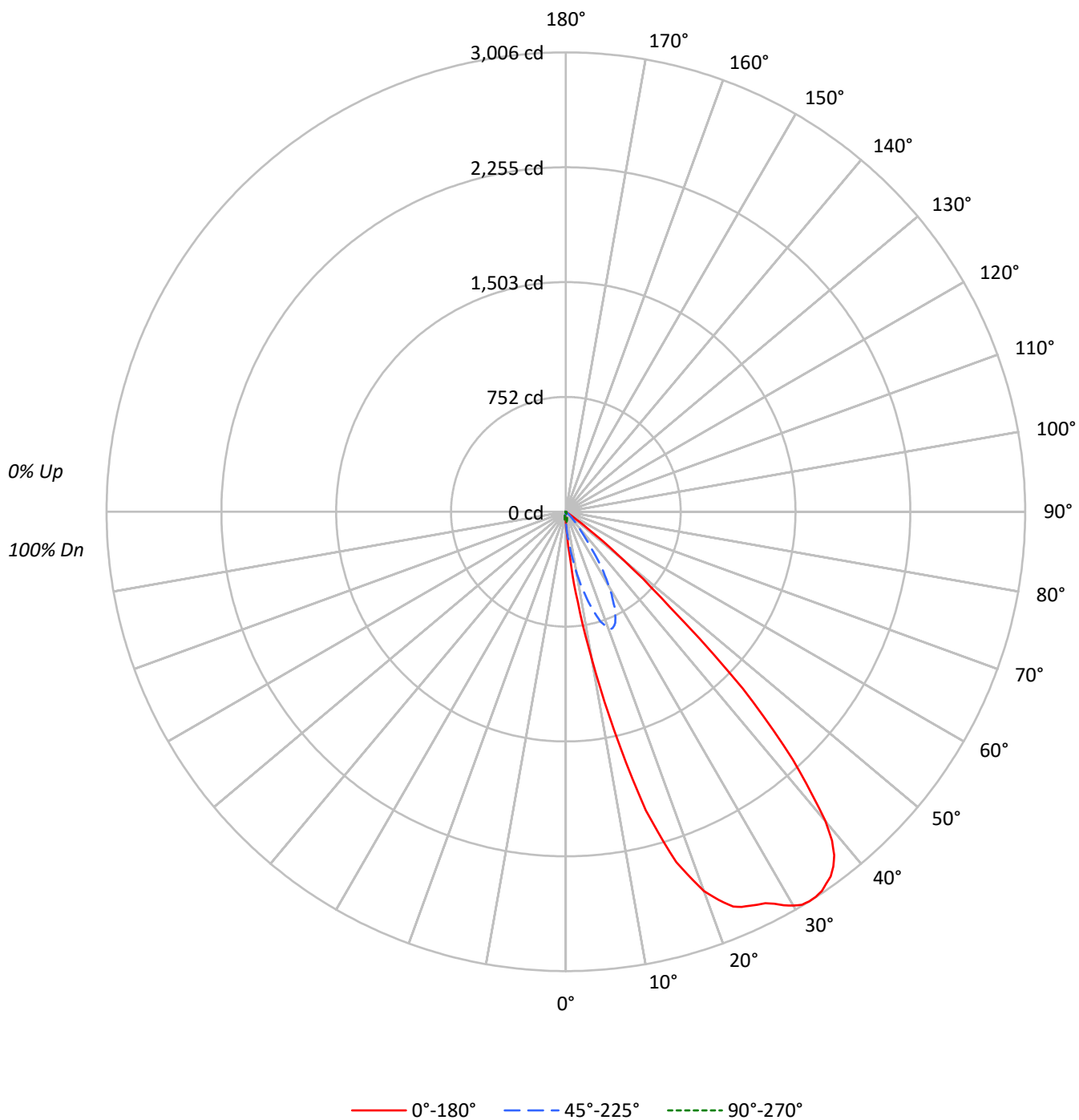
Lumens per Lamp: N/A
Luminaire Lumens: 898.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): 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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11659	11659	11659	11659	11659
5°	50654	31395	10805	3855	2662
10°	170490	70861	8097	892	297
15°	360786	116232	5046	0	0
20°	483756	148526	2364	0	0
25°	540645	145864	494	0	0
30°	591844	111762	0	0	0
35°	624638	60887	0	0	0
40°	593796	27361	0	0	0
45°	398537	12105	0	0	0
50°	133135	1152	0	0	0
55°	7206	0	0	0	0
60°	0	0	310	0	0
65°	0	0	693	0	0
70°	0	453	856	0	0
75°	0	599	1131	0	0
80°	0	893	1686	0	0
85°	0	1778	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 398537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	1.6
10°-20°	124.6	13.9
20°-30°	273.4	30.4
30°-40°	316.2	35.2
40°-50°	156.1	17.4
50°-60°	11.6	1.3
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	412.5	45.9
0°-40°	728.7	81.1
0°-60°	896.4	99.8
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	293	182	62	22	15	50
15°	2024	652	28	0	0	571
25°	2845	768	3	0	0	1315
35°	2971	290	0	0	0	1834
45°	1636	50	0	0	0	1201
55°	24	0	0	0	0	98
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2.5°	134.5	137.9	136.2	136.2	135.4	131.1	123.4	120.8	111.4	88.2	68.5
5°	293.0	293.8	291.3	278.4	267.3	257.0	234.7	224.5	181.6	107.9	62.5
7.5°	594.5	581.7	565.4	547.4	508.0	472.0	424.9	375.2	281.0	125.1	55.7
10°	974.9	956.9	943.2	900.4	829.3	755.6	665.6	584.3	405.2	137.1	46.3
12.5°	1465.8	1455.5	1406.7	1321.0	1215.6	1109.4	952.6	823.3	530.3	139.6	37.7
15°	2023.5	2006.4	1931.8	1810.2	1667.1	1500.1	1290.2	1072.6	651.9	131.9	28.3
17.5°	2404.7	2395.3	2331.1	2203.4	2038.9	1826.5	1578.0	1306.5	752.2	115.7	19.7
20°	2639.5	2625.8	2565.8	2457.8	2285.7	2063.8	1769.1	1455.5	810.4	95.1	12.9
21°	2700.3	2686.6	2638.6	2526.4	2361.9	2123.7	1821.3	1491.5	821.6	85.7	10.3
22°	2757.7	2744.0	2693.4	2594.1	2431.3	2182.8	1862.4	1518.9	819.9	78.0	7.7
23°	2805.7	2791.1	2741.4	2649.7	2486.1	2235.1	1893.3	1532.6	808.7	70.2	6.0
24°	2830.5	2821.9	2777.4	2690.9	2530.7	2271.9	1914.7	1537.8	795.0	62.5	4.3
25°	2845.1	2834.8	2791.1	2711.4	2559.8	2301.1	1928.4	1533.5	767.6	55.7	2.6
26°	2860.5	2845.1	2795.4	2718.3	2575.2	2314.8	1929.3	1522.3	738.5	49.7	0.9
27°	2874.2	2859.6	2808.2	2723.4	2577.8	2310.5	1922.4	1500.9	703.3	43.7	0.9
28°	2904.2	2887.9	2828.8	2734.6	2580.4	2299.4	1901.0	1471.8	657.1	38.6	0.0
29°	2943.6	2926.5	2858.8	2761.1	2586.4	2287.4	1871.9	1433.2	616.8	34.3	0.0
30°	2976.1	2960.7	2898.2	2794.5	2601.8	2276.2	1837.6	1381.0	562.0	29.1	0.0
31°	3000.1	2984.7	2927.3	2822.8	2615.5	2265.9	1794.8	1327.0	512.3	25.7	0.0
32°	3006.1	2993.3	2939.3	2834.8	2615.5	2250.5	1755.4	1266.2	463.5	21.4	0.0
33°	3003.6	2990.7	2935.9	2826.2	2592.3	2213.7	1707.4	1193.4	407.8	18.8	0.0
34°	2994.1	2978.7	2920.5	2798.8	2546.9	2151.2	1638.0	1120.6	349.5	15.4	0.0
35°	2971.0	2957.3	2893.9	2747.4	2476.7	2056.1	1545.5	1036.6	289.6	12.9	0.0
36°	2948.7	2928.2	2850.2	2684.0	2384.2	1958.4	1435.0	939.8	238.2	10.3	0.0
37°	2907.6	2878.5	2799.7	2592.3	2253.1	1820.5	1309.0	833.6	199.6	7.7	0.0
38°	2852.8	2813.4	2713.1	2486.1	2121.2	1691.1	1190.8	737.6	167.9	5.1	0.0
39°	2768.0	2721.7	2585.5	2340.5	1968.7	1541.2	1055.4	635.7	143.1	3.4	0.0
40°	2641.2	2597.5	2446.7	2167.4	1817.0	1375.8	916.7	520.9	121.7	1.7	0.0
42.5°	2199.1	2139.2	1964.4	1686.8	1343.3	989.5	606.5	289.6	80.5	0.0	0.0
45°	1636.3	1583.2	1411.8	1159.1	895.2	605.7	324.7	170.5	49.7	0.0	0.0
47.5°	924.4	918.4	807.0	665.6	499.5	322.1	164.5	102.8	21.4	0.0	0.0
50°	496.9	466.0	401.8	305.0	208.2	140.5	89.1	56.5	4.3	0.0	0.0
52.5°	181.6	175.6	147.4	122.5	94.2	64.3	45.4	24.8	0.0	0.0	0.0
55°	24.0	22.3	23.1	24.8	25.7	22.3	14.6	5.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	1.7	1.7	1.7	0.0	0.0	0.0	0.9
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	67.7	67.7	67.7	67.7
2.5°	52.3	40.3	34.3	33.4
5°	36.0	22.3	16.3	15.4
7.5°	24.8	11.1	7.7	6.9
10°	14.6	5.1	2.6	1.7
12.5°	8.6	0.9	0.0	0.0
15°	2.6	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.0	0.0	0.0
85°	0.9	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)