

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: P1317826

Luminaire Tested: P3SQAS09R259835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

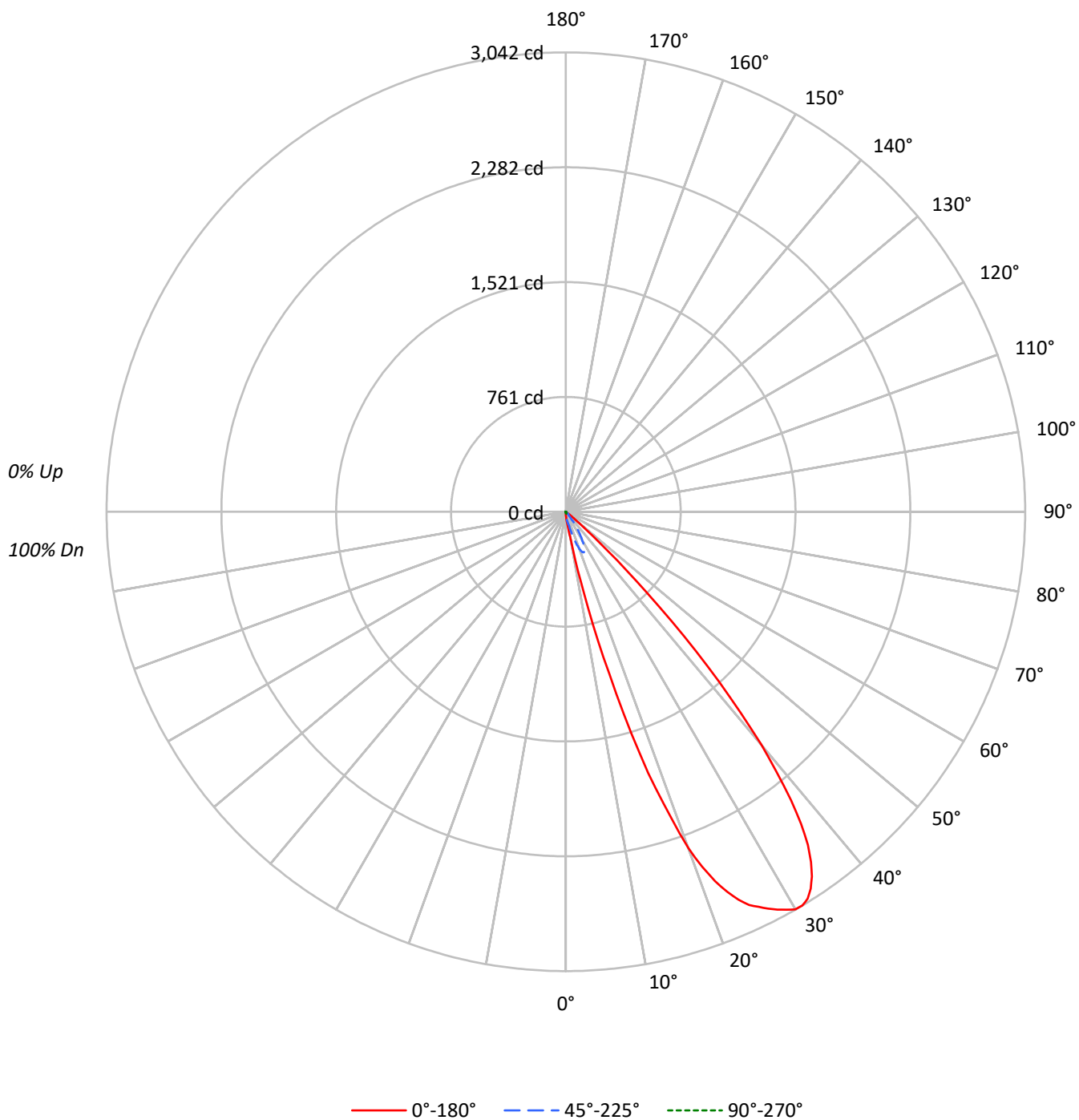
Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3238	3238	3238	3238	3238
5°	10165	7105	2956	1573	1193
10°	32038	12871	2203	192	0
15°	198160	24534	1319	0	0
20°	434491	47817	422	0	0
25°	546175	54994	0	0	0
30°	604611	42577	0	0	0
35°	595162	24115	0	0	0
40°	452384	6295	0	0	0
45°	183254	2777	0	0	0
50°	20336	295	0	0	0
55°	1531	0	180	0	0
60°	0	0	207	0	0
65°	0	0	448	0	0
70°	0	302	554	0	0
75°	0	399	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 183254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.5
10°-20°	61.6	10.3
20°-30°	215.2	36.1
30°-40°	240.1	40.3
40°-50°	72.5	12.2
50°-60°	2.4	0.4
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.5	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°	279.7	46.9
0°-40°	519.8	87.2
0°-60°	594.7	99.8
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	59	41	17	9	7	9
15°	1111	138	7	0	0	369
25°	2874	289	0	0	0	1311
35°	2831	115	0	0	0	1699
45°	752	11	0	0	0	650
55°	5	0	1	0	0	16
65°	0	0	1	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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	32.5	33.7	33.1	33.7	33.1	33.1	33.1	33.7	33.1	33.1	33.1
5°	58.8	59.4	59.4	58.8	58.8	59.9	58.8	59.4	57.7	58.8	58.2
7.5°	96.5	95.3	95.3	95.9	95.9	94.8	94.2	93.0	94.2	94.2	92.5
10°	183.2	182.1	179.2	178.1	179.2	179.2	173.5	174.7	175.3	170.1	168.4
12.5°	538.3	534.3	542.3	529.7	522.3	510.3	517.2	493.8	488.6	485.2	477.2
15°	1111.4	1141.7	1128.6	1129.7	1132.0	1103.5	1113.2	1077.8	1048.1	1038.9	1032.7
17.5°	1812.4	1821.6	1809.6	1803.9	1801.6	1787.9	1771.3	1753.7	1730.8	1710.8	1694.3
20°	2370.7	2363.9	2343.3	2345.6	2321.1	2308.5	2294.2	2276.5	2258.9	2229.7	2201.8
21°	2518.0	2498.0	2498.6	2484.9	2484.3	2468.4	2443.2	2425.0	2409.0	2375.9	2358.2
22°	2639.0	2634.5	2624.2	2613.9	2603.1	2595.1	2567.1	2558.0	2525.4	2498.0	2472.9
23°	2733.2	2734.9	2725.8	2719.0	2704.1	2700.7	2664.7	2652.2	2629.9	2588.2	2562.5
24°	2811.4	2808.6	2798.3	2786.3	2777.8	2769.8	2742.4	2721.8	2697.3	2663.0	2637.9
25°	2874.2	2867.4	2860.5	2851.4	2837.7	2828.6	2800.6	2777.8	2756.6	2718.4	2684.1
26°	2911.3	2913.0	2902.2	2895.4	2883.4	2874.2	2845.1	2818.3	2792.0	2750.9	2720.1
27°	2949.0	2947.3	2937.6	2927.3	2914.8	2911.3	2877.7	2849.7	2822.9	2779.5	2742.9
28°	2983.8	2979.3	2971.3	2959.3	2945.6	2935.3	2902.8	2873.7	2844.5	2798.3	2758.3
29°	3012.9	3008.4	3003.2	2987.8	2970.1	2963.3	2928.5	2893.1	2864.0	2816.6	2774.3
30°	3040.3	3031.8	3019.8	3006.7	2989.5	2976.4	2939.9	2909.1	2874.8	2822.3	2781.8
31°	3041.5	3030.1	3021.5	3007.8	2988.4	2972.4	2934.2	2902.8	2862.8	2813.7	2769.8
32°	3021.5	3015.8	3002.1	2987.3	2968.4	2952.4	2910.2	2877.1	2839.4	2786.9	2742.9
33°	2976.4	2970.7	2962.7	2947.3	2922.8	2907.9	2870.2	2833.7	2796.6	2749.2	2699.0
34°	2914.2	2907.3	2897.1	2881.6	2856.5	2841.1	2810.9	2773.2	2733.8	2684.7	2637.9
35°	2830.8	2817.7	2814.9	2792.0	2768.6	2764.6	2728.7	2689.3	2649.3	2595.1	2554.6
36°	2727.5	2712.1	2701.8	2693.8	2678.4	2659.6	2624.2	2592.8	2541.4	2506.6	2449.5
37°	2586.5	2567.7	2577.4	2555.7	2531.7	2523.7	2478.6	2450.1	2406.7	2359.3	2310.8
38°	2422.1	2420.4	2418.1	2408.4	2367.3	2346.2	2327.4	2297.1	2259.4	2202.3	2136.7
39°	2214.3	2217.8	2205.8	2206.9	2186.4	2165.2	2139.0	2104.7	2059.1	2007.1	1954.0
40°	2012.2	1963.7	1972.3	1943.2	1944.9	1913.5	1879.2	1849.0	1819.9	1774.2	1701.7
42.5°	1392.3	1384.9	1359.2	1340.9	1348.9	1308.4	1263.3	1221.0	1180.5	1129.1	1065.8
45°	752.4	735.3	740.4	710.7	710.7	692.4	679.9	644.5	606.8	583.4	546.9
47.5°	279.7	283.1	289.4	277.4	263.7	271.7	259.7	259.7	253.5	246.0	235.8
50°	75.9	77.1	75.9	75.9	74.2	73.1	70.8	70.2	69.6	67.9	65.1
52.5°	30.8	29.1	29.1	29.7	29.7	28.5	29.1	29.1	28.5	28.0	28.0
55°	5.1	5.7	5.7	5.7	5.7	5.1	5.1	5.7	6.3	5.7	5.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	32.0	28.0	23.4	19.4	15.4	13.1	12.0	12.6
5°	54.2	41.1	26.8	17.1	12.0	9.1	7.4	6.9
7.5°	83.3	56.5	30.3	14.8	9.1	4.6	2.9	2.3
10°	127.9	73.6	32.5	12.6	5.7	1.1	0.0	0.0
12.5°	328.2	90.2	33.1	10.3	2.3	0.0	0.0	0.0
15°	674.7	137.6	32.0	7.4	0.6	0.0	0.0	0.0
17.5°	1121.7	210.6	28.0	5.1	0.0	0.0	0.0	0.0
20°	1556.1	260.9	22.3	2.3	0.0	0.0	0.0	0.0
21°	1686.9	275.7	20.0	1.7	0.0	0.0	0.0	0.0
22°	1793.6	286.6	17.7	1.1	0.0	0.0	0.0	0.0
23°	1882.7	292.3	15.4	0.6	0.0	0.0	0.0	0.0
24°	1944.9	293.4	14.3	0.6	0.0	0.0	0.0	0.0
25°	1974.6	289.4	12.6	0.0	0.0	0.0	0.0	0.0
26°	1986.0	281.4	11.4	0.0	0.0	0.0	0.0	0.0
27°	1977.4	271.2	10.3	0.0	0.0	0.0	0.0	0.0
28°	1962.0	255.7	8.6	0.0	0.0	0.0	0.0	0.0
29°	1931.8	235.2	7.4	0.0	0.0	0.0	0.0	0.0
30°	1902.6	214.1	6.3	0.0	0.0	0.0	0.0	0.0
31°	1869.5	195.2	5.1	0.0	0.0	0.0	0.0	0.0
32°	1829.0	173.5	4.0	0.0	0.0	0.0	0.0	0.0
33°	1761.6	153.6	2.9	0.0	0.0	0.0	0.0	0.0
34°	1667.5	134.7	2.3	0.0	0.0	0.0	0.0	0.0
35°	1541.3	114.7	1.7	0.0	0.0	0.0	0.0	0.0
36°	1403.1	93.6	1.1	0.0	0.0	0.0	0.0	0.0
37°	1234.2	67.9	1.1	0.0	0.0	0.0	0.0	0.0
38°	1057.8	42.8	0.6	0.0	0.0	0.0	0.0	0.0
39°	877.4	32.5	0.6	0.0	0.0	0.0	0.0	0.0
40°	712.4	28.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	381.3	18.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	224.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	125.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.3	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	0.6	0.0	0.6	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.1	1.1	0.6	0.0	0.0	0.0
67.5°	0.0	0.6	1.1	1.1	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.1	1.1	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.1	1.7	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)