

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: P1306919

Luminaire Tested: P3SQAS13R409027DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R409027DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

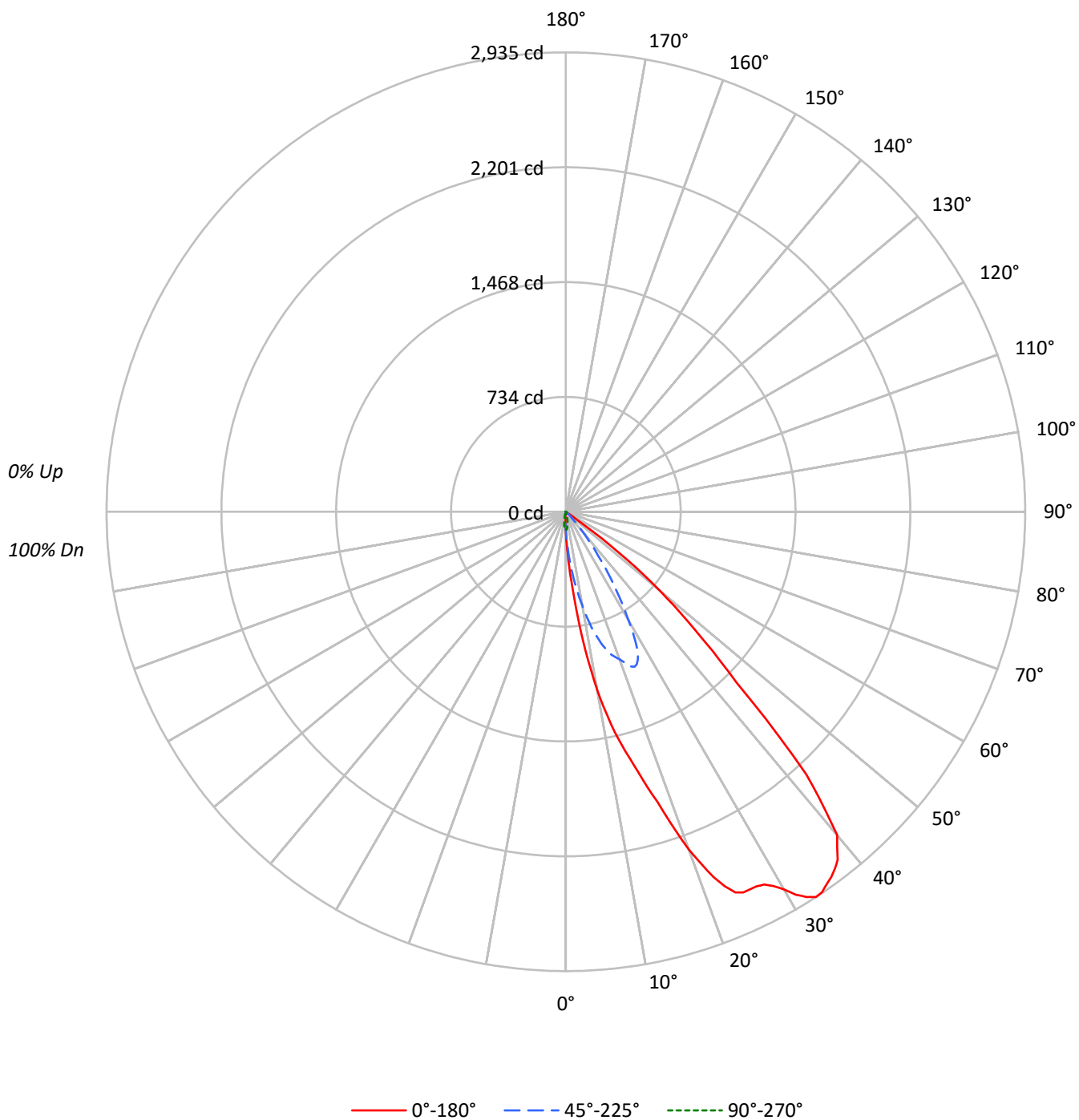
Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19840	19840	19840	19840	19840
5°	84210	57396	17409	3129	1573
10°	202423	106764	10790	315	0
15°	297918	155101	4529	0	0
20°	421130	183880	1668	0	0
25°	510070	204089	0	0	0
30°	553821	159649	0	0	0
35°	610678	93454	0	0	0
40°	606117	37927	0	0	0
45°	375374	11058	0	0	0
50°	209013	241	0	0	0
55°	20418	0	0	0	0
60°	0	0	310	0	0
65°	0	0	367	0	0
70°	0	453	906	0	0
75°	0	599	1198	0	0
80°	0	893	1785	0	0
85°	0	1778	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 377152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	2.2
10°-20°	127.0	12.9
20°-30°	289.8	29.4
30°-40°	342.2	34.7
40°-50°	182.8	18.6
50°-60°	19.9	2.0
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°	438.4	44.5
0°-40°	780.6	79.2
0°-60°	983.3	99.8
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	487	332	101	18	9	68
15°	1671	870	25	0	0	496
25°	2684	1074	0	0	0	1219
35°	2905	444	0	0	0	1794
45°	1541	45	0	0	0	1271
55°	68	0	0	0	0	191
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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	268.5	263.1	266.7	259.4	259.4	243.1	244.0	230.4	210.5	160.6	114.3
5°	487.1	508.9	491.7	469.0	456.3	440.0	418.2	395.5	332.0	200.5	100.7
7.5°	815.5	813.7	784.7	760.2	732.1	688.5	647.7	592.4	472.6	229.5	83.5
10°	1157.5	1151.1	1118.5	1097.6	1044.1	981.5	898.1	809.2	610.5	239.5	61.7
12.5°	1442.3	1434.2	1407.0	1371.6	1312.6	1233.7	1143.9	1026.9	755.6	228.6	39.9
15°	1670.9	1669.1	1642.8	1594.7	1533.0	1455.9	1354.3	1213.7	869.9	200.5	25.4
17.5°	1942.2	1953.0	1905.9	1854.2	1765.3	1657.3	1533.0	1372.5	954.3	166.0	16.3
20°	2297.8	2282.3	2238.8	2163.5	2078.2	1948.5	1772.5	1543.0	1003.3	128.8	9.1
21°	2406.6	2400.3	2354.9	2285.1	2190.7	2059.2	1877.8	1630.1	1026.0	115.2	7.3
22°	2517.3	2506.4	2471.0	2403.0	2314.1	2165.3	1965.7	1719.9	1055.0	100.7	4.5
23°	2599.8	2595.3	2568.1	2501.0	2409.3	2265.1	2061.0	1803.4	1074.9	87.1	2.7
24°	2663.3	2657.9	2630.7	2579.9	2501.0	2350.4	2157.2	1893.2	1083.1	75.3	0.9
25°	2684.2	2686.9	2670.6	2630.7	2564.5	2413.9	2228.8	1963.9	1074.0	64.4	0.0
26°	2685.1	2693.3	2681.5	2658.8	2604.4	2464.7	2295.9	2005.7	1050.5	54.4	0.0
27°	2685.1	2693.3	2681.5	2664.2	2610.7	2493.7	2332.2	2010.2	1014.2	46.3	0.0
28°	2697.8	2702.3	2686.9	2666.1	2608.0	2502.8	2342.2	1983.0	956.1	39.9	0.0
29°	2733.2	2728.6	2703.2	2675.1	2605.3	2502.8	2312.3	1931.3	883.5	33.6	0.0
30°	2784.9	2784.9	2745.0	2700.5	2618.0	2501.9	2264.2	1837.8	802.8	27.2	0.0
31°	2854.7	2848.4	2808.5	2742.3	2645.2	2501.9	2193.4	1734.4	728.4	23.6	0.0
32°	2901.9	2898.3	2860.2	2782.2	2689.6	2501.9	2117.2	1620.1	647.7	19.0	0.0
33°	2934.6	2927.3	2883.8	2803.0	2716.9	2489.2	2032.0	1497.7	575.1	15.4	0.0
34°	2930.0	2928.2	2882.9	2799.4	2711.4	2436.5	1933.1	1361.6	508.0	12.7	0.0
35°	2904.6	2904.6	2849.3	2763.1	2672.4	2359.4	1835.1	1245.5	444.5	9.1	0.0
36°	2885.6	2878.3	2815.7	2719.6	2607.1	2237.9	1690.0	1128.5	376.5	7.3	0.0
37°	2857.5	2843.9	2774.0	2670.6	2514.6	2106.4	1537.6	1024.1	318.4	4.5	0.0
38°	2821.2	2800.3	2715.0	2613.4	2413.0	1954.9	1382.5	907.1	264.9	2.7	0.0
39°	2755.0	2737.7	2649.7	2540.0	2291.4	1795.2	1231.9	797.4	214.1	0.9	0.0
40°	2696.0	2666.1	2566.3	2440.2	2149.0	1614.7	1082.2	689.4	168.7	0.0	0.0
42.5°	2273.3	2241.5	2218.8	2093.7	1711.8	1159.3	755.6	441.8	88.0	0.0	0.0
45°	1541.2	1548.5	1477.7	1393.4	1129.4	755.6	472.6	245.8	45.4	0.0	0.0
47.5°	1123.9	1104.9	1008.7	849.1	662.2	441.8	246.7	118.8	18.1	0.0	0.0
50°	780.1	743.8	656.8	537.0	360.1	210.5	108.9	55.3	0.9	0.0	0.0
52.5°	423.6	398.2	337.5	244.9	149.7	80.7	43.5	22.7	0.0	0.0	0.0
55°	68.0	47.2	49.0	41.7	32.7	23.6	13.6	2.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	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	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8



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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	0.9	0.9	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8
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°	115.2	115.2	115.2	115.2
2.5°	77.1	52.6	39.9	34.5
5°	44.4	18.1	10.0	9.1
7.5°	21.8	6.3	3.6	3.6
10°	9.1	1.8	0.0	0.0
12.5°	2.7	0.0	0.0	0.0
15°	0.0	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)