

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: P1310106

Luminaire Tested: P3SQAS09R409040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R409040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

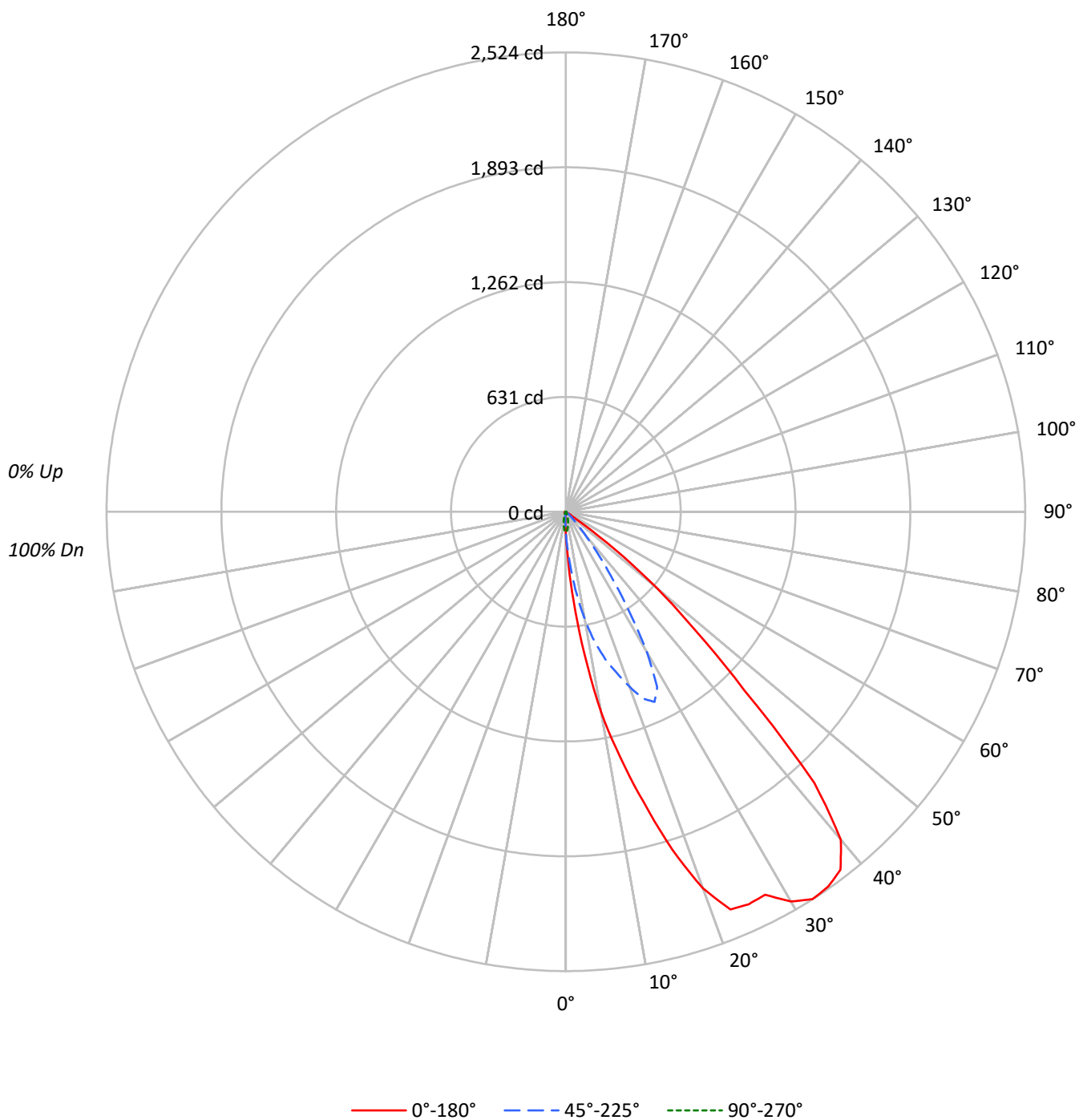
Lumens per Lamp: N/A
Luminaire Lumens: 931.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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			0
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	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	60	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18979	18979	18979	18979	18979
5°	85559	54544	17011	6535	4754
10°	196232	105400	11979	2343	1784
15°	294477	149556	7435	1266	1123
20°	403224	187473	4325	715	861
25°	452016	219063	2242	589	741
30°	491655	176831	935	477	776
35°	528388	90489	336	652	988
40°	528598	36084	180	697	1237
45°	337501	12081	390	1145	1729
50°	175200	1474	643	1474	2117
55°	15133	240	721	1892	2612
60°	551	276	827	2170	2997
65°	652	326	1263	2241	3219
70°	403	403	1561	2367	3172
75°	532	532	1597	2595	3660
80°	793	793	2380	2380	3075
85°	0	1581	4742	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 337501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	2.3
10°-20°	126.0	13.5
20°-30°	276.0	29.6
30°-40°	314.4	33.8
40°-50°	165.9	17.8
50°-60°	19.6	2.1
60°-70°	3.5	0.4
70°-80°	2.9	0.3
80°-90°	1.3	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°	423.4	45.5
0°-40°	737.8	79.2
0°-60°	923.3	99.2
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	110	110	110	110	110	
5°	495	316	98	38	28	67
15°	1652	839	42	7	6	487
25°	2379	1153	12	3	4	1096
35°	2513	430	2	3	5	1558
45°	1386	50	2	5	7	1117
55°	50	1	2	6	9	156
65°	2	1	3	6	8	1
75°	1	1	2	4	6	1
85°	0	1	2	2	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2
2.5°	245.5	245.5	244.7	237.6	236.8	236.1	223.5	220.3	205.4	195.1	148.7
5°	494.9	483.9	483.1	470.5	449.3	421.0	402.9	373.8	345.4	315.5	183.3
7.5°	788.4	797.9	771.9	758.5	711.3	677.5	625.6	579.9	516.2	456.4	211.7
10°	1122.1	1105.5	1079.6	1053.6	1002.5	941.9	864.8	783.7	691.7	602.7	227.4
12.5°	1382.5	1361.3	1345.5	1310.1	1259.8	1181.9	1089.8	981.2	859.3	731.0	226.6
15°	1651.6	1630.4	1595.0	1563.5	1488.7	1401.4	1301.5	1158.3	1008.8	838.8	210.1
17.5°	1947.5	1919.9	1880.6	1832.6	1760.2	1663.4	1536.7	1362.1	1150.4	926.9	180.2
20°	2200.1	2183.5	2144.2	2087.6	2016.7	1922.3	1776.0	1582.4	1324.3	1022.9	143.2
22.5°	2365.3	2350.4	2323.6	2274.0	2220.5	2119.8	1986.0	1773.6	1469.9	1110.3	108.6
25°	2378.7	2372.4	2365.3	2348.8	2316.5	2244.9	2114.3	1885.3	1560.4	1152.8	80.3
27.5°	2371.6	2369.2	2367.7	2359.0	2337.8	2267.0	2133.2	1901.9	1548.5	1086.7	59.0
30°	2472.3	2465.2	2461.3	2433.0	2377.1	2267.7	2093.1	1812.9	1376.2	889.2	42.5
32.5°	2523.5	2521.9	2518.0	2490.4	2411.7	2269.3	2025.4	1598.1	1091.4	642.1	29.1
35°	2513.2	2505.4	2491.2	2440.1	2330.7	2152.1	1806.6	1276.3	787.7	430.4	18.9
37.5°	2478.6	2460.5	2433.0	2340.9	2195.4	1951.4	1465.1	939.5	535.9	278.6	11.0
40°	2351.2	2326.8	2283.5	2171.0	1979.8	1608.4	1083.5	635.0	351.7	160.5	3.1
42.5°	2021.5	1990.0	1958.5	1832.6	1613.9	1199.2	712.9	392.6	200.7	88.1	0.8
45°	1385.7	1346.3	1303.0	1211.8	1036.3	726.3	424.1	221.1	103.9	49.6	0.8
47.5°	962.3	944.2	868.7	752.2	576.8	384.8	219.5	108.6	55.1	22.8	0.8
50°	653.9	633.4	545.3	432.8	306.9	184.1	100.7	54.3	24.4	5.5	0.8
52.5°	343.1	317.9	262.0	199.9	124.3	77.1	44.1	23.6	7.1	0.8	0.8
55°	50.4	46.4	37.8	30.7	27.5	21.2	12.6	5.5	0.8	0.8	1.6
57.5°	1.6	1.6	1.6	1.6	2.4	2.4	1.6	0.8	0.8	0.8	1.6
60°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6
62.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6
65°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
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):

	90°	112.5°	135°	157.5°	180°
0°	110.2	110.2	110.2	110.2	110.2
2.5°	108.6	80.3	62.2	53.5	52.7
5°	98.4	57.4	37.8	29.1	27.5
7.5°	83.4	40.1	22.0	15.7	15.0
10°	68.5	27.5	13.4	11.0	10.2
12.5°	54.3	18.1	9.4	8.7	7.9
15°	41.7	11.8	7.1	6.3	6.3
17.5°	31.5	7.9	5.5	5.5	5.5
20°	23.6	5.5	3.9	4.7	4.7
22.5°	16.5	3.9	3.1	3.9	3.9
25°	11.8	3.1	3.1	3.9	3.9
27.5°	7.9	2.4	2.4	3.1	3.9
30°	4.7	1.6	2.4	3.1	3.9
32.5°	2.4	1.6	2.4	3.9	3.9
35°	1.6	2.4	3.1	3.9	4.7
37.5°	0.8	2.4	3.1	4.7	4.7
40°	0.8	2.4	3.1	4.7	5.5
42.5°	1.6	3.1	3.9	5.5	6.3
45°	1.6	3.1	4.7	6.3	7.1
47.5°	1.6	3.1	5.5	7.1	7.1
50°	2.4	3.9	5.5	7.1	7.9
52.5°	2.4	3.9	5.5	7.9	8.7
55°	2.4	3.9	6.3	7.9	8.7
57.5°	2.4	4.7	6.3	7.9	8.7
60°	2.4	3.9	6.3	7.9	8.7
62.5°	3.1	3.9	5.5	7.9	7.9
65°	3.1	3.9	5.5	7.9	7.9
67.5°	3.1	3.9	5.5	7.1	7.1
70°	3.1	3.9	4.7	6.3	6.3
72.5°	3.1	3.9	4.7	5.5	6.3
75°	2.4	3.1	3.9	4.7	5.5
77.5°	2.4	3.1	3.1	4.7	4.7
80°	2.4	2.4	2.4	3.1	3.1
82.5°	2.4	2.4	1.6	2.4	2.4
85°	2.4	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)