

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: P1318005

Luminaire Tested: P3SQAS13R359835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318005
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: P3SQAS13R359835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

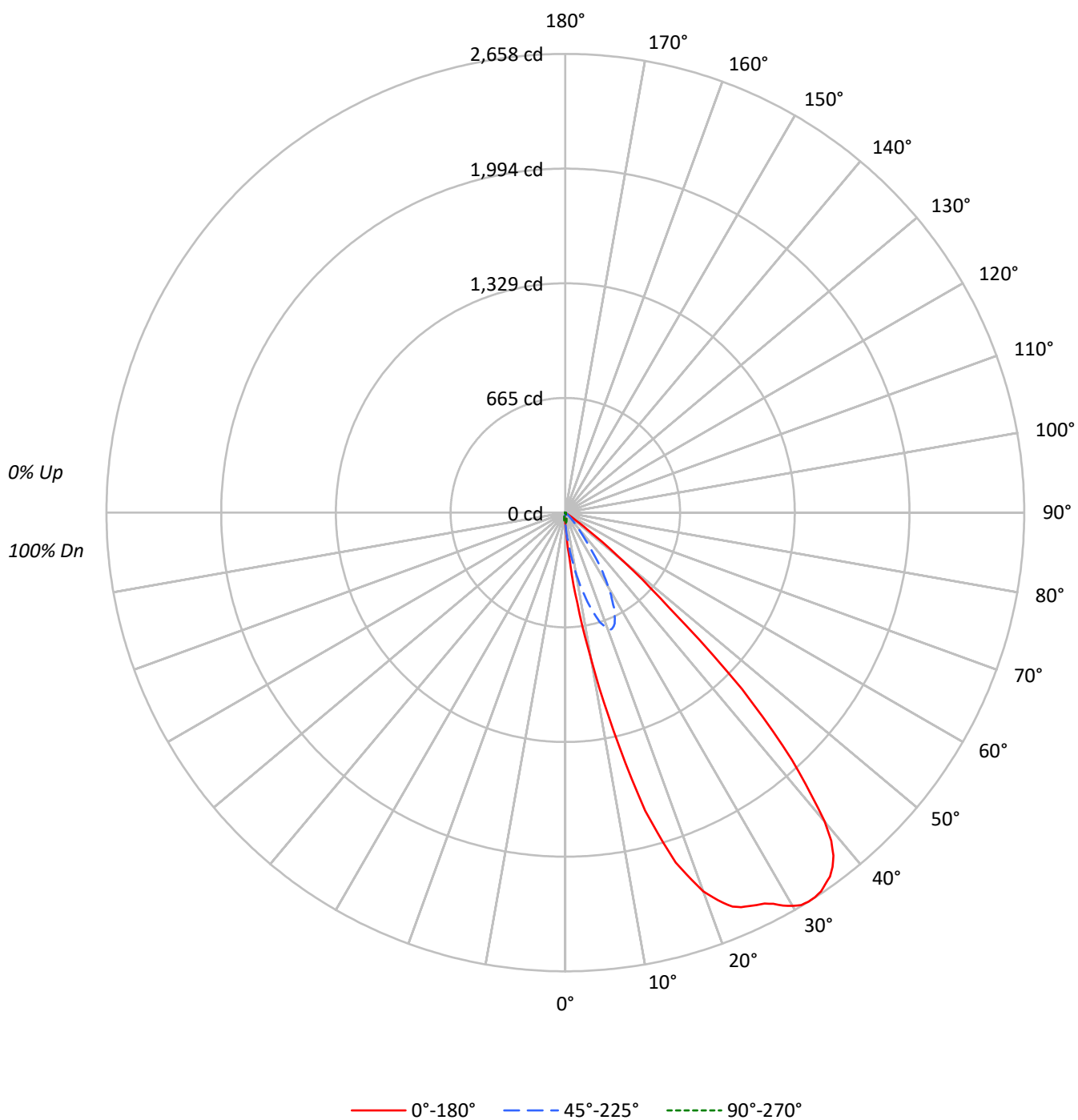
Lumens per Lamp: N/A
Luminaire Lumens: 794.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	10299	10299	10299	10299	10299
5°	44793	27765	9560	3406	2351
10°	150746	62659	7153	787	262
15°	319011	102771	4457	0	0
20°	427728	131335	2089	0	0
25°	478031	128971	437	0	0
30°	523315	98816	0	0	0
35°	552293	53823	0	0	0
40°	525024	24191	0	0	0
45°	352382	10692	0	0	0
50°	117702	1018	0	0	0
55°	6366	0	0	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	998	0	0
80°	0	793	1488	0	0
85°	0	1581	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 352382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	1.6
10°-20°	110.2	13.9
20°-30°	241.7	30.4
30°-40°	279.6	35.2
40°-50°	138.0	17.4
50°-60°	10.2	1.3
60°-70°	0.4	0.0
70°-80°	0.6	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°	364.7	45.9
0°-40°	644.3	81.1
0°-60°	792.6	99.8
0°-90°	794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	259	161	55	20	14	45
15°	1789	576	25	0	0	505
25°	2516	679	2	0	0	1163
35°	2627	256	0	0	0	1622
45°	1447	44	0	0	0	1062
55°	21	0	0	0	0	87
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°	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
2.5°	118.9	122.0	120.4	120.4	119.7	115.9	109.1	106.8	98.5	78.0	60.6
5°	259.1	259.8	257.5	246.2	236.3	227.2	207.5	198.5	160.6	95.4	55.3
7.5°	525.7	514.3	499.9	484.0	449.2	417.4	375.7	331.8	248.5	110.6	49.2
10°	862.0	846.1	834.0	796.1	733.2	668.1	588.6	516.6	358.3	121.2	40.9
12.5°	1296.0	1287.0	1243.8	1168.0	1074.9	980.9	842.3	727.9	468.9	123.5	33.3
15°	1789.2	1774.0	1708.1	1600.5	1474.0	1326.3	1140.8	948.4	576.4	116.7	25.0
17.5°	2126.2	2117.9	2061.1	1948.2	1802.8	1614.9	1395.3	1155.1	665.1	102.3	17.4
20°	2333.8	2321.7	2268.6	2173.2	2020.9	1824.8	1564.2	1287.0	716.6	84.1	11.4
21°	2387.6	2375.4	2333.0	2233.8	2088.4	1877.8	1610.4	1318.8	726.4	75.7	9.1
22°	2438.3	2426.2	2381.5	2293.6	2149.7	1930.0	1646.8	1343.0	724.9	68.9	6.8
23°	2480.7	2467.9	2423.9	2342.9	2198.2	1976.3	1674.0	1355.1	715.1	62.1	5.3
24°	2502.7	2495.1	2455.7	2379.2	2237.6	2008.8	1693.0	1359.7	702.9	55.3	3.8
25°	2515.6	2506.5	2467.9	2397.4	2263.3	2034.6	1705.1	1355.9	678.7	49.2	2.3
26°	2529.2	2515.6	2471.6	2403.5	2277.0	2046.7	1705.8	1346.0	652.9	43.9	0.8
27°	2541.3	2528.5	2483.0	2408.0	2279.2	2042.9	1699.8	1327.1	621.9	38.6	0.8
28°	2567.8	2553.4	2501.2	2417.9	2281.5	2033.1	1680.8	1301.3	581.0	34.1	0.0
29°	2602.7	2587.5	2527.7	2441.3	2286.8	2022.5	1655.1	1267.3	545.4	30.3	0.0
30°	2631.5	2617.8	2562.5	2470.9	2300.5	2012.6	1624.8	1221.1	496.9	25.8	0.0
31°	2652.7	2639.0	2588.3	2495.9	2312.6	2003.5	1586.9	1173.3	453.0	22.7	0.0
32°	2658.0	2646.6	2598.9	2506.5	2312.6	1989.9	1552.1	1119.5	409.8	18.9	0.0
33°	2655.7	2644.3	2595.9	2498.9	2292.1	1957.3	1509.6	1055.2	360.6	16.7	0.0
34°	2647.4	2633.7	2582.2	2474.7	2252.0	1902.0	1448.3	990.8	309.0	13.6	0.0
35°	2626.9	2614.8	2558.8	2429.2	2189.9	1817.9	1366.5	916.5	256.0	11.4	0.0
36°	2607.2	2589.1	2520.1	2373.2	2108.1	1731.6	1268.8	831.0	210.6	9.1	0.0
37°	2570.9	2545.1	2475.4	2292.1	1992.2	1609.6	1157.4	737.0	176.5	6.8	0.0
38°	2522.4	2487.5	2398.9	2198.2	1875.5	1495.3	1052.9	652.2	148.5	4.5	0.0
39°	2447.4	2406.5	2286.1	2069.4	1740.7	1362.7	933.2	562.0	126.5	3.0	0.0
40°	2335.3	2296.7	2163.3	1916.4	1606.6	1216.5	810.5	460.5	107.6	1.5	0.0
42.5°	1944.4	1891.4	1736.9	1491.5	1187.7	874.9	536.3	256.0	71.2	0.0	0.0
45°	1446.8	1399.8	1248.3	1024.9	791.6	535.5	287.1	150.7	43.9	0.0	0.0
47.5°	817.3	812.0	713.5	588.6	441.6	284.8	145.4	90.9	18.9	0.0	0.0
50°	439.3	412.1	355.3	269.7	184.1	124.2	78.8	50.0	3.8	0.0	0.0
52.5°	160.6	155.3	130.3	108.3	83.3	56.8	40.1	22.0	0.0	0.0	0.0
55°	21.2	19.7	20.5	22.0	22.7	19.7	12.9	4.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.5	1.5	1.5	0.0	0.0	0.0	0.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5



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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	0.8	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5
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°	59.8	59.8	59.8	59.8
2.5°	46.2	35.6	30.3	29.5
5°	31.8	19.7	14.4	13.6
7.5°	22.0	9.8	6.8	6.1
10°	12.9	4.5	2.3	1.5
12.5°	7.6	0.8	0.0	0.0
15°	2.3	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°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)