

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: P1312451

Luminaire Tested: P3SQAS13R359727DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312451
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: P3SQAS13R359727DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

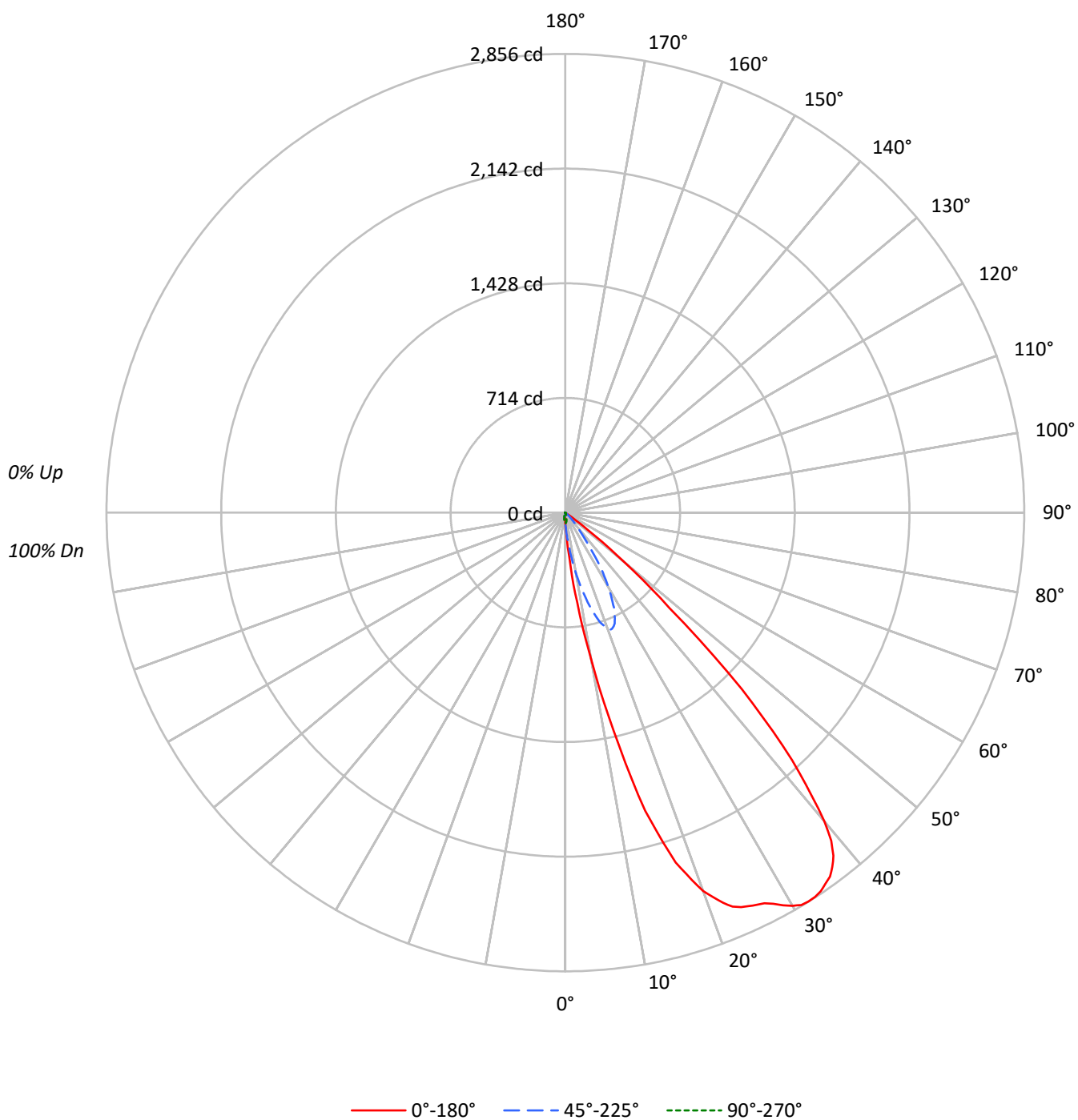
Lumens per Lamp: N/A
Luminaire Lumens: 853.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	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	55	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°	11074	11074	11074	11074	11074
5°	48113	29822	10269	3665	2524
10°	161956	67311	7677	857	280
15°	342707	110420	4796	0	0
20°	459508	141085	2236	0	0
25°	513547	138548	456	0	0
30°	562193	106154	0	0	0
35°	593332	57838	0	0	0
40°	564030	25989	0	0	0
45°	378565	11496	0	0	0
50°	126463	1099	0	0	0
55°	6846	0	0	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1065	0	0
80°	0	793	1587	0	0
85°	0	1581	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 378565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	1.6
10°-20°	118.4	13.9
20°-30°	259.7	30.4
30°-40°	300.4	35.2
40°-50°	148.3	17.4
50°-60°	11.0	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°	391.8	45.9
0°-40°	692.2	81.2
0°-60°	851.4	99.8
0°-90°	853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	278	172	59	21	15	48
15°	1922	619	27	0	0	542
25°	2702	729	2	0	0	1249
35°	2822	275	0	0	0	1743
45°	1554	47	0	0	0	1141
55°	23	0	0	0	0	93
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°	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2.5°	127.8	131.0	129.4	129.4	128.6	124.5	117.2	114.7	105.8	83.8	65.1
5°	278.3	279.1	276.7	264.5	253.9	244.1	223.0	213.2	172.5	102.5	59.4
7.5°	564.8	552.5	537.1	520.0	482.6	448.4	403.6	356.4	266.9	118.8	52.9
10°	926.1	909.0	896.0	855.3	787.7	717.7	632.3	555.0	384.9	130.2	43.9
12.5°	1392.3	1382.6	1336.2	1254.8	1154.7	1053.8	904.9	782.0	503.7	132.6	35.8
15°	1922.1	1905.8	1835.0	1719.5	1583.6	1424.9	1225.5	1018.8	619.3	125.3	26.9
17.5°	2284.2	2275.3	2214.2	2093.0	1936.8	1734.9	1498.9	1241.0	714.5	109.9	18.7
20°	2507.2	2494.2	2437.2	2334.7	2171.1	1960.4	1680.4	1382.6	769.8	90.3	12.2
21°	2565.0	2552.0	2506.4	2399.8	2243.5	2017.3	1730.1	1416.8	780.4	81.4	9.8
22°	2619.5	2606.5	2558.5	2464.1	2309.5	2073.5	1769.1	1442.8	778.8	74.1	7.3
23°	2665.1	2651.2	2604.0	2517.0	2361.5	2123.1	1798.4	1455.8	768.2	66.7	5.7
24°	2688.7	2680.5	2638.2	2556.0	2403.9	2158.1	1818.8	1460.7	755.2	59.4	4.1
25°	2702.5	2692.7	2651.2	2575.6	2431.5	2185.8	1831.8	1456.6	729.1	52.9	2.4
26°	2717.1	2702.5	2655.3	2582.1	2446.2	2198.8	1832.6	1446.1	701.5	47.2	0.8
27°	2730.2	2716.3	2667.5	2586.9	2448.6	2194.7	1826.1	1425.7	668.1	41.5	0.8
28°	2758.7	2743.2	2687.0	2597.5	2451.0	2184.1	1805.7	1398.0	624.2	36.6	0.0
29°	2796.1	2779.8	2715.5	2622.8	2456.7	2172.7	1778.1	1361.4	585.9	32.6	0.0
30°	2827.0	2812.4	2753.0	2654.5	2471.4	2162.2	1745.5	1311.8	533.8	27.7	0.0
31°	2849.8	2835.1	2780.6	2681.3	2484.4	2152.4	1704.8	1260.5	486.6	24.4	0.0
32°	2855.5	2843.3	2792.0	2692.7	2484.4	2137.8	1667.4	1202.7	440.2	20.3	0.0
33°	2853.0	2840.8	2788.8	2684.6	2462.4	2102.8	1621.8	1133.6	387.4	17.9	0.0
34°	2844.1	2829.4	2774.1	2658.6	2419.3	2043.4	1555.9	1064.4	332.0	14.6	0.0
35°	2822.1	2809.1	2748.9	2609.7	2352.6	1953.0	1468.0	984.7	275.1	12.2	0.0
36°	2801.0	2781.4	2707.4	2549.5	2264.7	1860.3	1363.1	892.7	226.2	9.8	0.0
37°	2761.9	2734.2	2659.4	2462.4	2140.2	1729.2	1243.4	791.8	189.6	7.3	0.0
38°	2709.8	2672.4	2577.2	2361.5	2014.9	1606.4	1131.1	700.6	159.5	4.9	0.0
39°	2629.3	2585.3	2455.9	2223.2	1870.0	1464.0	1002.6	603.8	135.9	3.3	0.0
40°	2508.8	2467.3	2324.1	2058.8	1726.0	1306.9	870.7	494.8	115.6	1.6	0.0
42.5°	2088.9	2032.0	1866.0	1602.3	1276.0	939.9	576.1	275.1	76.5	0.0	0.0
45°	1554.3	1503.8	1341.1	1101.0	850.4	575.3	308.4	161.9	47.2	0.0	0.0
47.5°	878.0	872.4	766.6	632.3	474.4	306.0	156.2	97.7	20.3	0.0	0.0
50°	472.0	442.7	381.7	289.7	197.7	133.5	84.6	53.7	4.1	0.0	0.0
52.5°	172.5	166.8	140.0	116.4	89.5	61.0	43.1	23.6	0.0	0.0	0.0
55°	22.8	21.2	22.0	23.6	24.4	21.2	13.8	4.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.6	1.6	1.6	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	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6



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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	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	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):

	112.5°	135°	157.5°	180°
0°	64.3	64.3	64.3	64.3
2.5°	49.6	38.2	32.6	31.7
5°	34.2	21.2	15.5	14.6
7.5°	23.6	10.6	7.3	6.5
10°	13.8	4.9	2.4	1.6
12.5°	8.1	0.8	0.0	0.0
15°	2.4	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)