

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: P1317649

Luminaire Tested: P3SQAS05R159835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

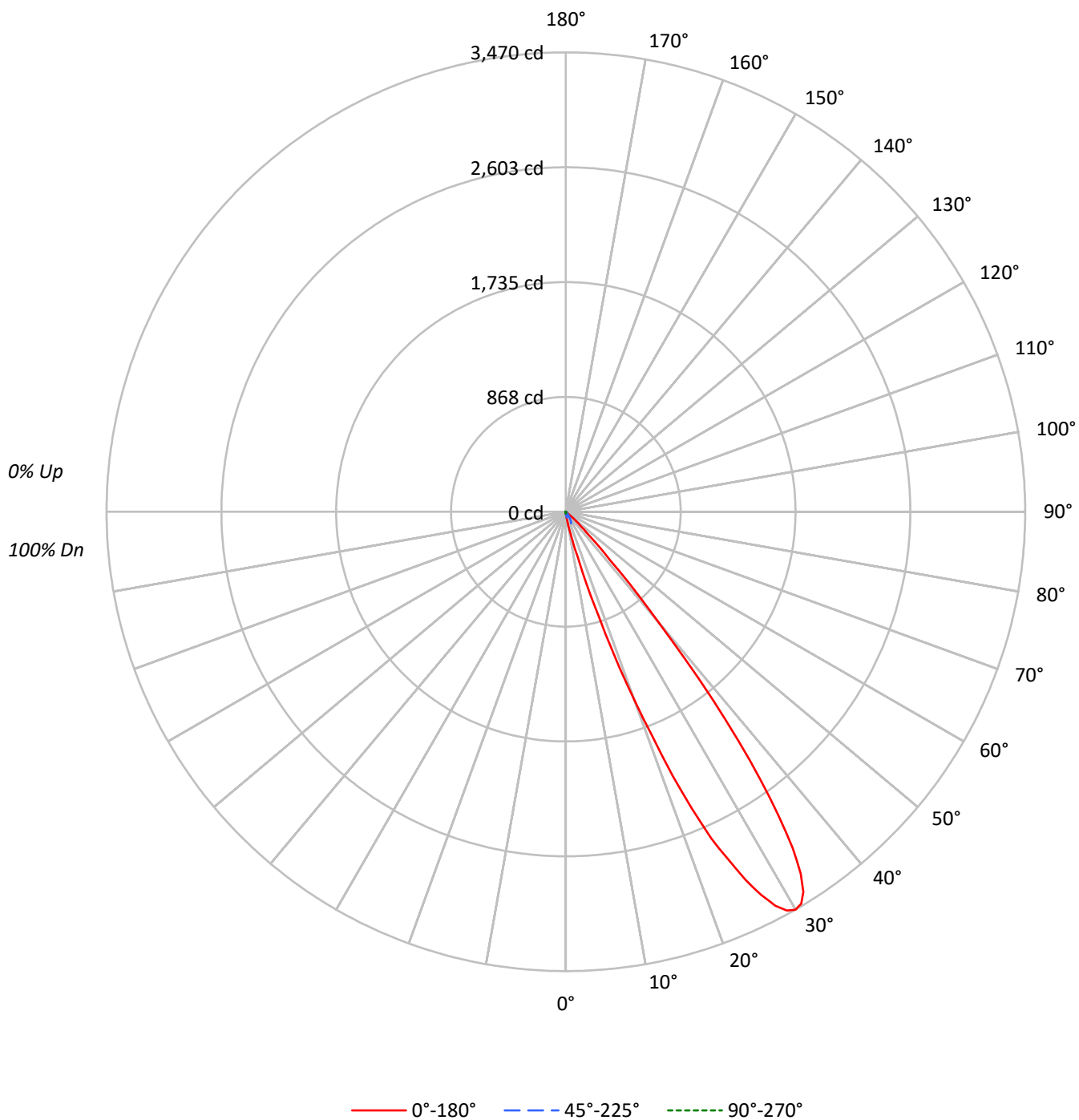
Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
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°	2256	2256	2256	2256	2256
5°	6535	4944	1936	795	536
10°	17016	7362	1277	0	0
15°	67985	12035	695	0	0
20°	277754	17759	220	0	0
25°	549063	17596	0	0	0
30°	690103	13901	0	0	0
35°	588812	8515	0	0	0
40°	242424	2698	0	0	0
45°	52438	1120	0	0	0
50°	6725	0	0	0	0
55°	570	0	120	0	0
60°	0	0	276	0	0
65°	0	0	326	0	0
70°	0	201	604	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 54898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	25.7	7.0
20°-30°	149.9	40.8
30°-40°	160.7	43.8
40°-50°	27.1	7.4
50°-60°	0.8	0.2
60°-70°	0.2	0.1
70°-80°	0.4	0.1
80°-90°	0.3	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°	177.4	48.3
0°-40°	338.1	92.1
0°-60°	366.1	99.7
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	38	29	11	5	3	5
15°	381	68	4	0	0	176
25°	2889	93	0	0	0	1307
35°	2801	40	0	0	0	1610
45°	215	5	0	0	0	254
55°	2	0	0	0	0	5
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	23.9	24.3	24.7	24.7	24.7	24.7	24.3	24.3	24.3	24.3	23.9
5°	37.8	37.8	37.8	37.8	37.8	37.8	37.4	37.4	37.4	37.4	37.4
7.5°	54.0	53.3	53.6	52.5	53.3	52.9	52.5	53.3	53.3	51.3	51.3
10°	97.3	96.9	93.0	93.8	94.6	94.2	94.2	91.8	91.5	89.9	88.4
12.5°	187.6	191.8	194.9	194.9	187.6	190.3	185.2	186.4	187.2	184.9	176.8
15°	381.3	388.2	380.9	387.8	385.1	375.1	363.9	348.9	354.7	344.2	340.8
17.5°	835.1	851.0	844.4	812.4	822.8	798.1	782.6	776.9	760.6	712.4	692.3
20°	1515.5	1534.8	1516.7	1479.2	1491.2	1444.5	1432.5	1421.3	1349.6	1323.3	1239.2
21°	1801.9	1817.7	1824.6	1785.7	1761.7	1724.7	1693.8	1683.8	1640.2	1589.6	1503.2
22°	2147.6	2129.1	2087.4	2092.8	2057.3	2026.9	1984.0	1943.5	1894.9	1824.2	1752.9
23°	2434.0	2412.4	2392.7	2368.8	2330.6	2309.0	2247.6	2203.2	2139.9	2064.3	1995.6
24°	2700.7	2667.5	2655.1	2612.7	2601.9	2553.2	2503.5	2445.6	2369.2	2288.5	2212.5
25°	2889.4	2894.4	2883.6	2878.6	2823.4	2773.6	2724.2	2635.1	2569.8	2498.4	2381.5
26°	3091.6	3093.9	3088.5	3051.5	3001.7	2953.1	2889.4	2811.8	2717.3	2638.2	2532.4
27°	3246.4	3237.1	3229.4	3185.4	3144.5	3083.1	3025.2	2933.4	2841.1	2747.0	2624.3
28°	3369.9	3352.5	3342.8	3305.0	3257.2	3181.9	3110.9	3025.2	2933.0	2831.9	2699.1
29°	3444.3	3425.8	3415.0	3373.3	3318.1	3252.2	3180.4	3086.2	2987.0	2874.3	2740.8
30°	3470.2	3459.4	3442.4	3399.2	3342.1	3273.4	3199.7	3097.4	2993.6	2878.2	2736.9
31°	3453.2	3439.3	3423.1	3376.4	3314.7	3249.1	3163.4	3056.1	2946.9	2836.9	2687.2
32°	3385.7	3377.2	3357.5	3295.0	3244.8	3159.9	3075.4	2975.1	2855.8	2737.7	2602.3
33°	3259.1	3245.2	3228.2	3171.1	3107.0	3025.6	2941.5	2838.8	2720.4	2595.7	2446.7
34°	3066.1	3048.4	3027.2	2989.0	2907.1	2836.5	2739.3	2619.2	2521.2	2401.6	2266.9
35°	2800.6	2774.8	2749.3	2720.4	2628.5	2563.3	2497.7	2393.1	2298.5	2185.9	2033.4
36°	2502.7	2492.7	2471.8	2395.4	2365.7	2276.9	2224.1	2104.0	2027.6	1917.3	1791.4
37°	2165.8	2106.7	2136.8	2094.0	2004.5	1976.7	1913.8	1810.7	1728.2	1611.6	1520.5
38°	1804.6	1766.0	1787.2	1744.0	1697.3	1633.2	1585.4	1510.1	1417.5	1326.0	1239.6
39°	1430.2	1399.0	1422.1	1392.8	1321.8	1295.1	1252.7	1195.2	1120.7	1049.3	967.5
40°	1078.3	1038.1	1069.0	1027.3	994.9	951.3	929.7	876.8	830.5	787.7	735.6
42.5°	492.4	488.2	481.2	466.2	462.7	463.1	436.5	419.1	395.6	368.2	351.6
45°	215.3	220.7	225.4	216.9	216.5	211.9	210.3	198.7	194.1	185.2	174.4
47.5°	106.1	108.1	106.9	109.2	107.3	104.2	103.4	101.9	97.3	96.9	91.8
50°	25.1	24.7	24.7	25.1	24.7	24.7	24.3	23.5	23.2	23.5	22.4
52.5°	8.1	8.5	8.1	7.7	8.1	8.5	8.1	8.1	8.1	8.1	8.1
55°	1.9	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.9	1.9	1.9
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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	23.5	20.1	16.6	13.1	9.6	7.7	7.3	6.9
5°	35.5	28.6	18.9	11.2	6.6	4.6	3.5	3.1
7.5°	47.9	35.5	20.8	9.3	4.6	1.9	0.8	0.4
10°	68.7	42.1	21.6	7.3	2.3	0.0	0.0	0.0
12.5°	134.7	48.2	21.2	5.8	0.4	0.0	0.0	0.0
15°	223.8	67.5	19.7	3.9	0.0	0.0	0.0	0.0
17.5°	366.6	87.2	17.0	2.7	0.0	0.0	0.0	0.0
20°	568.5	96.9	13.1	1.2	0.0	0.0	0.0	0.0
21°	666.5	97.6	11.6	0.8	0.0	0.0	0.0	0.0
22°	751.4	97.6	10.0	0.4	0.0	0.0	0.0	0.0
23°	830.1	96.5	8.9	0.0	0.0	0.0	0.0	0.0
24°	894.9	94.9	8.1	0.0	0.0	0.0	0.0	0.0
25°	943.6	92.6	7.3	0.0	0.0	0.0	0.0	0.0
26°	966.0	89.5	6.2	0.0	0.0	0.0	0.0	0.0
27°	977.2	85.3	5.4	0.0	0.0	0.0	0.0	0.0
28°	969.4	80.7	4.6	0.0	0.0	0.0	0.0	0.0
29°	950.1	75.6	3.5	0.0	0.0	0.0	0.0	0.0
30°	925.1	69.9	2.7	0.0	0.0	0.0	0.0	0.0
31°	888.4	64.1	1.9	0.0	0.0	0.0	0.0	0.0
32°	838.2	58.3	1.5	0.0	0.0	0.0	0.0	0.0
33°	771.1	52.1	0.8	0.0	0.0	0.0	0.0	0.0
34°	688.1	45.9	0.4	0.0	0.0	0.0	0.0	0.0
35°	595.1	40.5	0.0	0.0	0.0	0.0	0.0	0.0
36°	515.2	34.7	0.0	0.0	0.0	0.0	0.0	0.0
37°	434.9	27.8	0.0	0.0	0.0	0.0	0.0	0.0
38°	364.3	22.0	0.0	0.0	0.0	0.0	0.0	0.0
39°	301.4	17.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	249.7	12.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	138.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	48.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.4	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.0	0.8	1.2	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	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	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	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)