

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: P1308779

Luminaire Tested: P3SQAS05R259035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

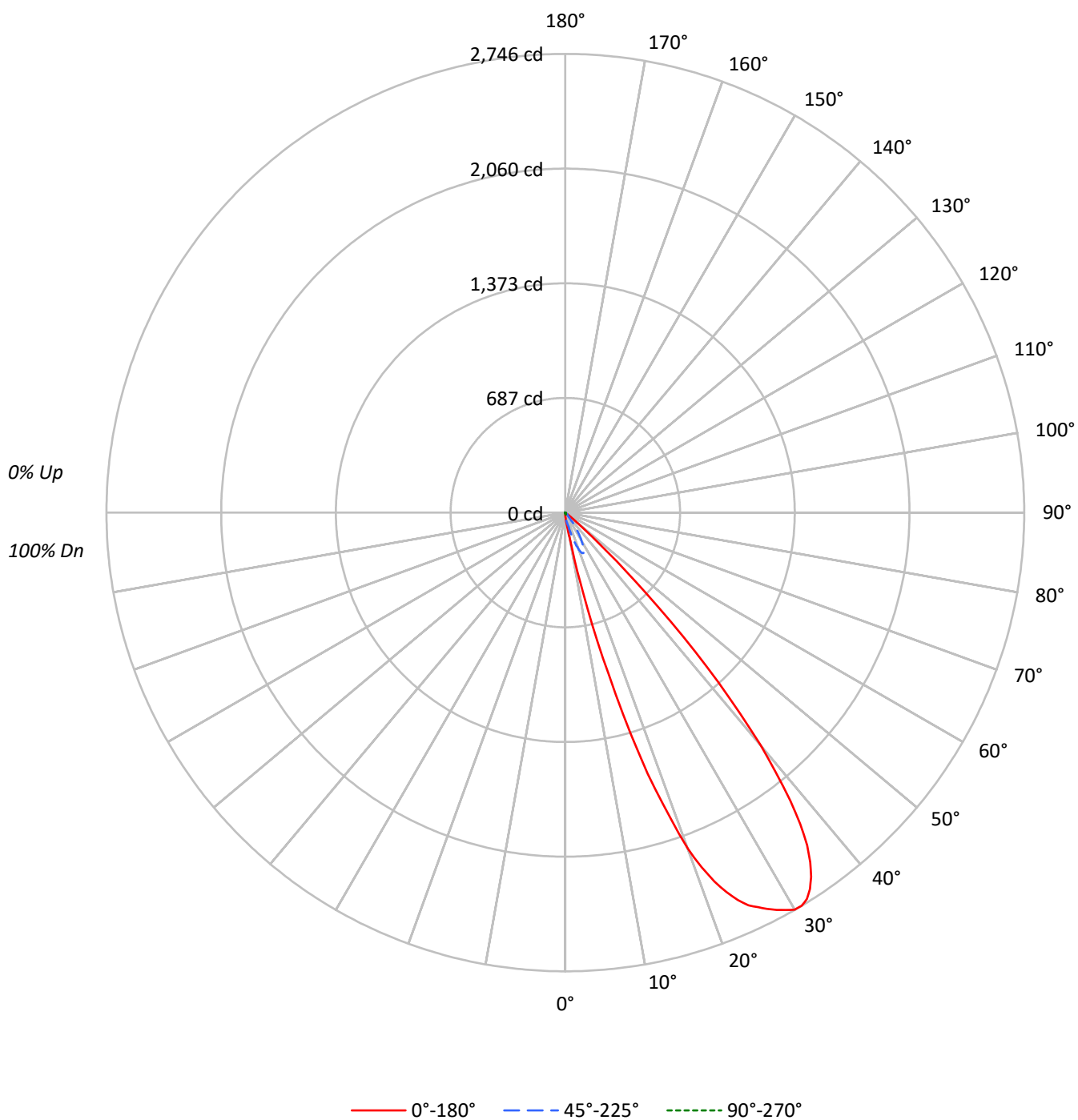
Lumens per Lamp: N/A
Luminaire Lumens: 538.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2928	2928	2928	2928	2928
5°	9180	6414	2680	1418	1072
10°	28925	11629	1976	175	0
15°	178886	22145	1195	0	0
20°	392210	43161	385	0	0
25°	493024	49654	0	0	0
30°	545787	38421	0	0	0
35°	537260	21781	0	0	0
40°	408364	5665	0	0	0
45°	165426	2509	0	0	0
50°	18353	268	0	0	0
55°	1381	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 165426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	55.6	10.3
20°-30°	194.3	36.1
30°-40°	216.7	40.3
40°-50°	65.4	12.2
50°-60°	2.2	0.4
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.4	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°	252.5	46.9
0°-40°	469.2	87.2
0°-60°	536.8	99.8
0°-90°	538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	538.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	53	37	16	8	6	8
15°	1003	124	7	0	0	334
25°	2594	261	0	0	0	1184
35°	2555	104	0	0	0	1534
45°	679	10	0	0	0	587
55°	5	0	0	0	0	14
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	29.4	30.4	29.9	30.4	29.9	29.9	29.9	30.4	29.9	29.9	29.9
5°	53.1	53.6	53.6	53.1	53.1	54.1	53.1	53.6	52.0	53.1	52.6
7.5°	87.1	86.1	86.1	86.6	86.6	85.5	85.0	84.0	85.0	85.0	83.5
10°	165.4	164.4	161.8	160.8	161.8	161.8	156.7	157.7	158.2	153.6	152.0
12.5°	485.9	482.3	489.5	478.2	471.5	460.7	466.9	445.7	441.1	438.0	430.8
15°	1003.3	1030.6	1018.7	1019.8	1021.8	996.1	1004.8	972.9	946.1	937.8	932.2
17.5°	1636.1	1644.3	1633.5	1628.3	1626.3	1613.9	1599.0	1583.0	1562.4	1544.3	1529.4
20°	2140.0	2133.8	2115.3	2117.4	2095.2	2083.9	2071.0	2055.0	2039.0	2012.8	1987.5
21°	2273.0	2254.9	2255.5	2243.1	2242.6	2228.1	2205.5	2189.0	2174.6	2144.7	2128.7
22°	2382.2	2378.1	2368.8	2359.5	2349.8	2342.5	2317.3	2309.0	2279.7	2254.9	2232.3
23°	2467.2	2468.8	2460.5	2454.4	2441.0	2437.9	2405.4	2394.1	2374.0	2336.4	2313.2
24°	2537.8	2535.3	2526.0	2515.2	2507.4	2500.2	2475.5	2456.9	2434.8	2403.9	2381.2
25°	2594.5	2588.3	2582.2	2573.9	2561.5	2553.3	2528.0	2507.4	2488.4	2453.8	2422.9
26°	2628.0	2629.6	2619.8	2613.6	2602.8	2594.5	2568.2	2544.0	2520.3	2483.2	2455.4
27°	2662.0	2660.5	2651.7	2642.4	2631.1	2628.0	2597.6	2572.4	2548.1	2509.0	2476.0
28°	2693.5	2689.3	2682.1	2671.3	2658.9	2649.7	2620.3	2594.0	2567.7	2526.0	2489.9
29°	2719.7	2715.6	2711.0	2697.1	2681.1	2674.9	2643.5	2611.5	2585.2	2542.5	2504.3
30°	2744.5	2736.7	2725.9	2714.1	2698.6	2686.8	2653.8	2626.0	2595.0	2547.6	2511.0
31°	2745.5	2735.2	2727.5	2715.1	2697.6	2683.2	2648.6	2620.3	2584.2	2539.9	2500.2
32°	2727.5	2722.3	2709.9	2696.6	2679.5	2665.1	2627.0	2597.1	2563.1	2515.7	2476.0
33°	2686.8	2681.6	2674.4	2660.5	2638.3	2624.9	2590.9	2557.9	2524.4	2481.7	2436.3
34°	2630.6	2624.4	2615.1	2601.2	2578.5	2564.6	2537.3	2503.3	2467.8	2423.4	2381.2
35°	2555.4	2543.5	2540.9	2520.3	2499.2	2495.6	2463.1	2427.6	2391.5	2342.5	2306.0
36°	2462.1	2448.2	2438.9	2431.7	2417.8	2400.8	2368.8	2340.5	2294.1	2262.7	2211.1
37°	2334.8	2317.8	2326.6	2307.0	2285.3	2278.1	2237.4	2211.7	2172.5	2129.7	2085.9
38°	2186.4	2184.9	2182.8	2174.0	2136.9	2117.9	2100.9	2073.6	2039.5	1988.0	1928.8
39°	1998.8	2001.9	1991.1	1992.1	1973.6	1954.5	1930.8	1899.9	1858.7	1811.8	1763.9
40°	1816.4	1772.6	1780.4	1754.1	1755.6	1727.3	1696.4	1669.0	1642.8	1601.5	1536.1
42.5°	1256.8	1250.1	1226.9	1210.4	1217.6	1181.1	1140.4	1102.2	1065.6	1019.3	962.1
45°	679.2	663.7	668.3	641.5	641.5	625.1	613.7	581.8	547.8	526.6	493.7
47.5°	252.5	255.6	261.3	250.4	238.1	245.3	234.5	234.5	228.8	222.1	212.8
50°	68.5	69.6	68.5	68.5	67.0	66.0	63.9	63.4	62.9	61.3	58.7
52.5°	27.8	26.3	26.3	26.8	26.8	25.8	26.3	26.3	25.8	25.2	25.2
55°	4.6	5.2	5.2	5.2	5.2	4.6	4.6	5.2	5.7	5.2	5.2
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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	28.9	25.2	21.1	17.5	13.9	11.9	10.8	11.3
5°	49.0	37.1	24.2	15.5	10.8	8.2	6.7	6.2
7.5°	75.2	51.0	27.3	13.4	8.2	4.1	2.6	2.1
10°	115.4	66.5	29.4	11.3	5.2	1.0	0.0	0.0
12.5°	296.3	81.4	29.9	9.3	2.1	0.0	0.0	0.0
15°	609.1	124.2	28.9	6.7	0.5	0.0	0.0	0.0
17.5°	1012.6	190.1	25.2	4.6	0.0	0.0	0.0	0.0
20°	1404.7	235.5	20.1	2.1	0.0	0.0	0.0	0.0
21°	1522.7	248.9	18.0	1.5	0.0	0.0	0.0	0.0
22°	1619.1	258.7	16.0	1.0	0.0	0.0	0.0	0.0
23°	1699.5	263.8	13.9	0.5	0.0	0.0	0.0	0.0
24°	1755.6	264.9	12.9	0.5	0.0	0.0	0.0	0.0
25°	1782.4	261.3	11.3	0.0	0.0	0.0	0.0	0.0
26°	1792.7	254.0	10.3	0.0	0.0	0.0	0.0	0.0
27°	1785.0	244.8	9.3	0.0	0.0	0.0	0.0	0.0
28°	1771.1	230.9	7.7	0.0	0.0	0.0	0.0	0.0
29°	1743.8	212.3	6.7	0.0	0.0	0.0	0.0	0.0
30°	1717.5	193.2	5.7	0.0	0.0	0.0	0.0	0.0
31°	1687.6	176.2	4.6	0.0	0.0	0.0	0.0	0.0
32°	1651.0	156.7	3.6	0.0	0.0	0.0	0.0	0.0
33°	1590.2	138.6	2.6	0.0	0.0	0.0	0.0	0.0
34°	1505.2	121.6	2.1	0.0	0.0	0.0	0.0	0.0
35°	1391.3	103.6	1.5	0.0	0.0	0.0	0.0	0.0
36°	1266.6	84.5	1.0	0.0	0.0	0.0	0.0	0.0
37°	1114.1	61.3	1.0	0.0	0.0	0.0	0.0	0.0
38°	954.8	38.6	0.5	0.0	0.0	0.0	0.0	0.0
39°	792.0	29.4	0.5	0.0	0.0	0.0	0.0	0.0
40°	643.1	25.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	344.2	17.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	203.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	113.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	40.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.7	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.0	1.0	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.0	1.5	0.5	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	0.5	1.0	1.5	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.5	0.5	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)