

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: P1309897

Luminaire Tested: P3SQAS05R259040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309897
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: P3SQAS05R259040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

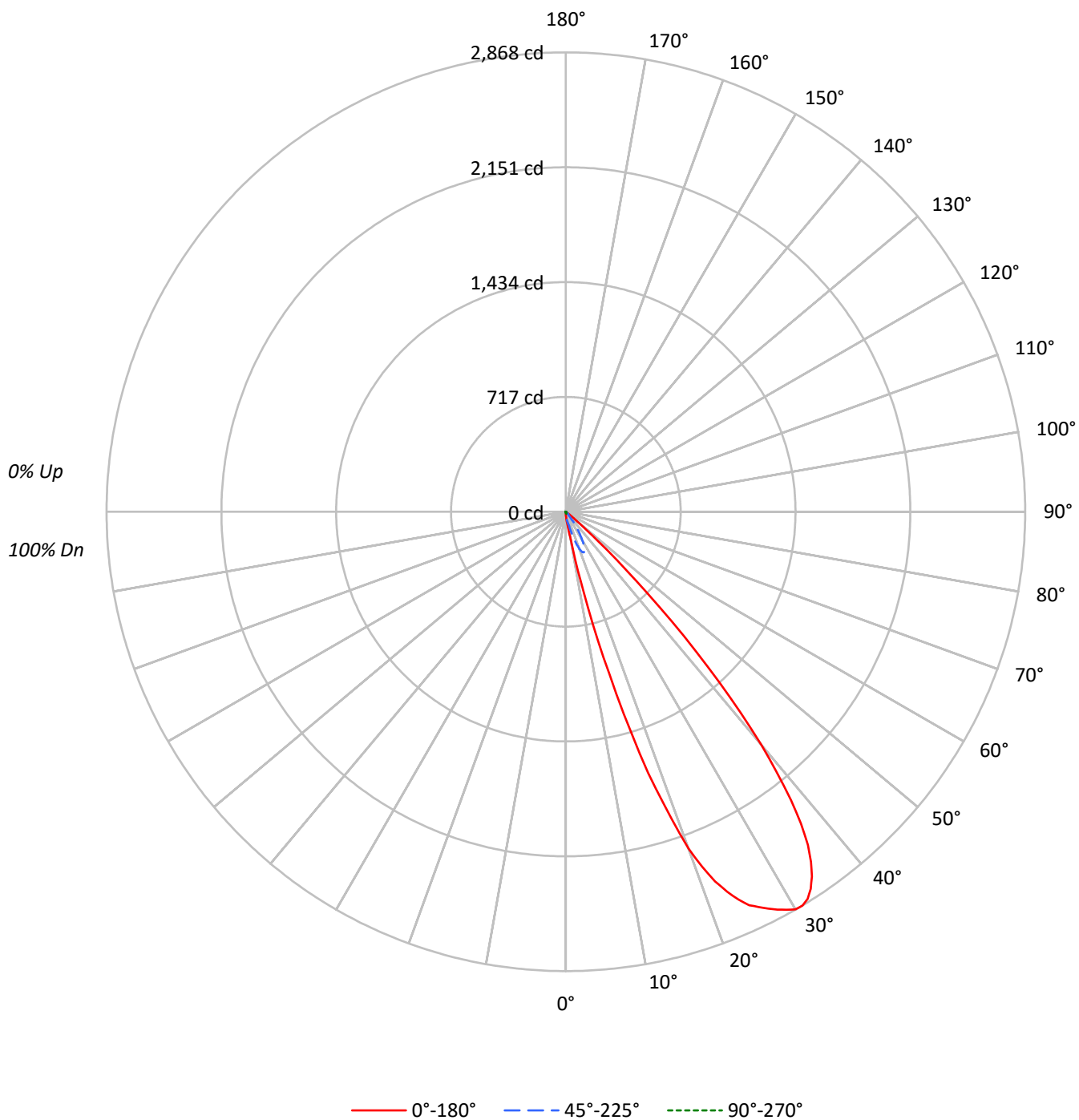
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	3066	3066	3066	3066	3066
5°	9578	6708	2783	1487	1124
10°	30219	12137	2064	192	0
15°	186856	23125	1248	0	0
20°	409712	45086	403	0	0
25°	515029	51858	0	0	0
30°	570128	40151	0	0	0
35°	561228	22749	0	0	0
40°	426597	5935	0	0	0
45°	172806	2630	0	0	0
50°	19184	295	0	0	0
55°	1441	0	150	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 172806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.5
10°-20°	58.0	10.3
20°-30°	202.9	36.1
30°-40°	226.4	40.3
40°-50°	68.4	12.2
50°-60°	2.3	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°	263.7	46.9
0°-40°	490.1	87.2
0°-60°	560.8	99.8
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	55	39	16	9	6	9
15°	1048	130	7	0	0	348
25°	2710	273	0	0	0	1236
35°	2669	108	0	0	0	1603
45°	710	11	0	0	0	613
55°	5	0	0	0	0	15
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°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
2.5°	30.7	31.8	31.2	31.8	31.2	31.2	31.2	31.8	31.2	31.2	31.2
5°	55.4	56.0	56.0	55.4	55.4	56.5	55.4	56.0	54.4	55.4	54.9
7.5°	91.0	89.9	89.9	90.4	90.4	89.4	88.8	87.7	88.8	88.8	87.2
10°	172.8	171.7	169.0	167.9	169.0	169.0	163.6	164.7	165.3	160.4	158.8
12.5°	507.6	503.8	511.4	499.5	492.5	481.2	487.7	465.6	460.8	457.5	450.0
15°	1048.0	1076.6	1064.2	1065.3	1067.4	1040.5	1049.7	1016.3	988.3	979.7	973.8
17.5°	1709.1	1717.7	1706.4	1701.0	1698.8	1685.9	1670.3	1653.6	1632.1	1613.2	1597.6
20°	2235.5	2229.0	2209.7	2211.8	2188.7	2176.8	2163.4	2146.7	2130.0	2102.5	2076.2
21°	2374.4	2355.5	2356.1	2343.2	2342.6	2327.5	2303.9	2286.6	2271.6	2240.3	2223.7
22°	2488.5	2484.2	2474.5	2464.8	2454.6	2447.0	2420.7	2412.1	2381.4	2355.5	2331.8
23°	2577.3	2578.9	2570.3	2563.8	2549.9	2546.6	2512.7	2500.9	2479.9	2440.6	2416.4
24°	2651.1	2648.4	2638.7	2627.4	2619.3	2611.8	2585.9	2566.5	2543.4	2511.1	2487.4
25°	2710.3	2703.8	2697.3	2688.7	2675.8	2667.2	2640.8	2619.3	2599.4	2563.3	2531.0
26°	2745.3	2746.9	2736.6	2730.2	2718.9	2710.3	2682.8	2657.5	2632.7	2594.0	2564.9
27°	2780.8	2779.2	2770.0	2760.3	2748.5	2745.3	2713.5	2687.1	2661.8	2620.9	2586.5
28°	2813.6	2809.3	2801.8	2790.5	2777.5	2767.9	2737.2	2709.7	2682.3	2638.7	2601.0
29°	2841.1	2836.8	2831.9	2817.4	2800.7	2794.2	2761.4	2728.0	2700.6	2655.9	2616.1
30°	2866.9	2858.8	2847.5	2835.1	2819.0	2806.6	2772.2	2743.1	2710.8	2661.3	2623.1
31°	2868.0	2857.2	2849.1	2836.2	2817.9	2802.8	2766.8	2737.2	2699.5	2653.2	2611.8
32°	2849.1	2843.8	2830.8	2816.8	2799.1	2784.0	2744.2	2713.0	2677.4	2627.9	2586.5
33°	2806.6	2801.2	2793.7	2779.2	2756.0	2742.0	2706.5	2672.0	2637.1	2592.4	2545.0
34°	2747.9	2741.5	2731.8	2717.3	2693.6	2679.0	2650.5	2615.0	2577.8	2531.6	2487.4
35°	2669.4	2657.0	2654.3	2632.7	2610.7	2606.9	2573.0	2535.9	2498.2	2447.0	2408.8
36°	2571.9	2557.4	2547.7	2540.2	2525.6	2507.9	2474.5	2444.9	2396.4	2363.6	2309.8
37°	2439.0	2421.2	2430.4	2409.9	2387.3	2379.8	2337.2	2310.3	2269.4	2224.7	2179.0
38°	2283.9	2282.3	2280.2	2271.0	2232.3	2212.3	2194.6	2166.1	2130.5	2076.7	2014.8
39°	2088.0	2091.2	2079.9	2081.0	2061.6	2041.7	2017.0	1984.7	1941.6	1892.6	1842.5
40°	1897.5	1851.7	1859.8	1832.3	1833.9	1804.3	1772.0	1743.5	1716.1	1673.0	1604.6
42.5°	1312.9	1305.9	1281.7	1264.4	1272.0	1233.7	1191.2	1151.4	1113.2	1064.7	1005.0
45°	709.5	693.3	698.2	670.2	670.2	652.9	641.1	607.7	572.2	550.1	515.7
47.5°	263.8	267.0	272.9	261.6	248.7	256.2	244.9	244.9	239.0	232.0	222.3
50°	71.6	72.7	71.6	71.6	70.0	68.9	66.7	66.2	65.7	64.1	61.4
52.5°	29.1	27.5	27.5	28.0	28.0	26.9	27.5	27.5	26.9	26.4	26.4
55°	4.8	5.4	5.4	5.4	5.4	4.8	4.8	5.4	5.9	5.4	5.4
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°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
2.5°	30.1	26.4	22.1	18.3	14.5	12.4	11.3	11.8
5°	51.1	38.8	25.3	16.1	11.3	8.6	7.0	6.5
7.5°	78.6	53.3	28.5	14.0	8.6	4.3	2.7	2.2
10°	120.6	69.4	30.7	11.8	5.4	1.1	0.0	0.0
12.5°	309.5	85.0	31.2	9.7	2.2	0.0	0.0	0.0
15°	636.3	129.7	30.1	7.0	0.5	0.0	0.0	0.0
17.5°	1057.7	198.6	26.4	4.8	0.0	0.0	0.0	0.0
20°	1467.4	246.0	21.0	2.2	0.0	0.0	0.0	0.0
21°	1590.6	260.0	18.8	1.6	0.0	0.0	0.0	0.0
22°	1691.3	270.2	16.7	1.1	0.0	0.0	0.0	0.0
23°	1775.3	275.6	14.5	0.5	0.0	0.0	0.0	0.0
24°	1833.9	276.7	13.5	0.5	0.0	0.0	0.0	0.0
25°	1861.9	272.9	11.8	0.0	0.0	0.0	0.0	0.0
26°	1872.7	265.4	10.8	0.0	0.0	0.0	0.0	0.0
27°	1864.6	255.7	9.7	0.0	0.0	0.0	0.0	0.0
28°	1850.1	241.2	8.1	0.0	0.0	0.0	0.0	0.0
29°	1821.6	221.8	7.0	0.0	0.0	0.0	0.0	0.0
30°	1794.1	201.9	5.9	0.0	0.0	0.0	0.0	0.0
31°	1762.9	184.1	4.8	0.0	0.0	0.0	0.0	0.0
32°	1724.7	163.6	3.8	0.0	0.0	0.0	0.0	0.0
33°	1661.1	144.8	2.7	0.0	0.0	0.0	0.0	0.0
34°	1572.3	127.0	2.2	0.0	0.0	0.0	0.0	0.0
35°	1453.4	108.2	1.6	0.0	0.0	0.0	0.0	0.0
36°	1323.1	88.3	1.1	0.0	0.0	0.0	0.0	0.0
37°	1163.8	64.1	1.1	0.0	0.0	0.0	0.0	0.0
38°	997.4	40.4	0.5	0.0	0.0	0.0	0.0	0.0
39°	827.3	30.7	0.5	0.0	0.0	0.0	0.0	0.0
40°	671.8	26.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	359.6	17.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	212.1	10.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	118.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	42.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.9	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	1.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.1	1.1	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.1	1.1	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.1	1.1	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.1	1.6	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	1.1	1.6	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.1	1.6	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)