

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: P1316950

Luminaire Tested: P3SQAS09R259830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316950
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: P3SQAS09R259830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

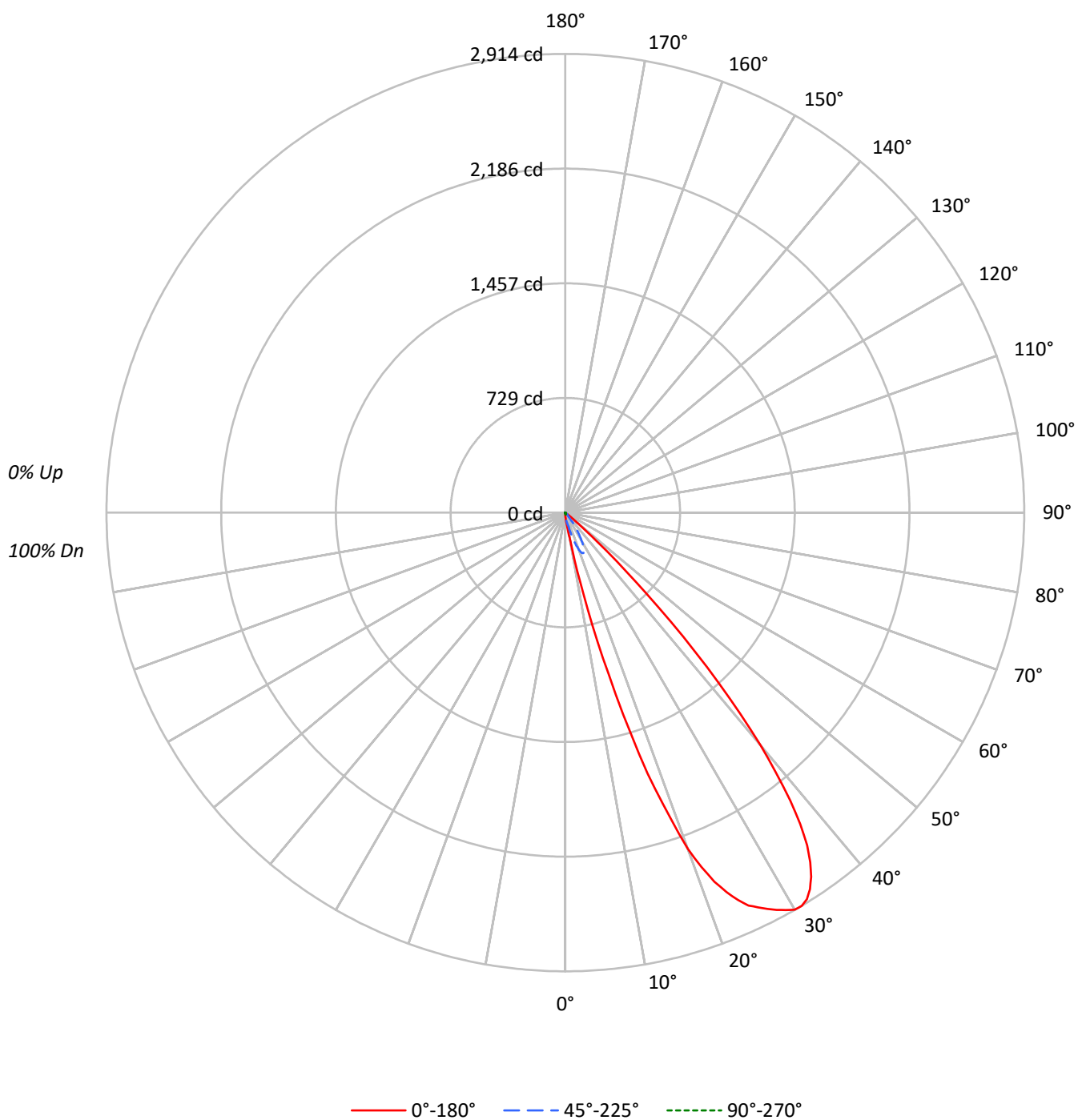
Lumens per Lamp: N/A
Luminaire Lumens: 570.9 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

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°	3100	3100	3100	3100	3100
5°	9733	6811	2835	1521	1141
10°	30709	12346	2099	192	0
15°	189852	23500	1266	0	0
20°	416274	45801	403	0	0
25°	523276	52694	0	0	0
30°	579256	40787	0	0	0
35°	570206	23106	0	0	0
40°	433409	6025	0	0	0
45°	175558	2655	0	0	0
50°	19479	295	0	0	0
55°	1471	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: 175558 cd/sqm

TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.5
10°-20°	59.0	10.3
20°-30°	206.2	36.1
30°-40°	230.0	40.3
40°-50°	69.5	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°	268.0	46.9
0°-40°	498.0	87.2
0°-60°	569.7	99.8
0°-90°	570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	56	39	16	9	7	9
15°	1065	132	7	0	0	354
25°	2754	277	0	0	0	1256
35°	2712	110	0	0	0	1628
45°	721	11	0	0	0	623
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	

TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	31.2	32.3	31.7	32.3	31.7	31.7	31.7	32.3	31.7	31.7	31.7
5°	56.3	56.9	56.9	56.3	56.3	57.4	56.3	56.9	55.2	56.3	55.8
7.5°	92.4	91.3	91.3	91.9	91.9	90.8	90.2	89.1	90.2	90.2	88.6
10°	175.6	174.5	171.7	170.6	171.7	171.7	166.3	167.4	167.9	163.0	161.3
12.5°	515.7	511.9	519.6	507.5	500.4	488.9	495.5	473.1	468.2	464.9	457.2
15°	1064.8	1093.8	1081.2	1082.3	1084.5	1057.2	1066.5	1032.6	1004.1	995.4	989.4
17.5°	1736.4	1745.2	1733.7	1728.2	1726.0	1712.9	1697.0	1680.1	1658.2	1639.1	1623.2
20°	2271.3	2264.7	2245.0	2247.2	2223.7	2211.7	2198.0	2181.1	2164.1	2136.2	2109.4
21°	2412.4	2393.3	2393.8	2380.7	2380.1	2364.8	2340.8	2323.3	2307.9	2276.2	2259.3
22°	2528.3	2524.0	2514.1	2504.3	2493.9	2486.2	2459.4	2450.7	2419.5	2393.3	2369.2
23°	2618.6	2620.2	2611.5	2604.9	2590.7	2587.4	2553.0	2540.9	2519.6	2479.7	2455.1
24°	2693.5	2690.8	2680.9	2669.4	2661.2	2653.6	2627.3	2607.6	2584.1	2551.3	2527.2
25°	2753.7	2747.1	2740.5	2731.8	2718.7	2709.9	2683.1	2661.2	2641.0	2604.4	2571.5
26°	2789.2	2790.9	2780.5	2773.9	2762.4	2753.7	2725.8	2700.1	2674.9	2635.5	2606.0
27°	2825.3	2823.7	2814.4	2804.5	2792.5	2789.2	2756.9	2730.1	2704.4	2662.9	2627.9
28°	2858.7	2854.3	2846.6	2835.2	2822.0	2812.2	2781.0	2753.1	2725.2	2680.9	2642.6
29°	2886.6	2882.2	2877.3	2862.5	2845.5	2839.0	2805.6	2771.7	2743.8	2698.4	2658.0
30°	2912.8	2904.6	2893.1	2880.5	2864.1	2851.6	2816.6	2787.0	2754.2	2703.9	2665.1
31°	2913.9	2903.0	2894.8	2881.6	2863.0	2847.7	2811.1	2781.0	2742.7	2695.7	2653.6
32°	2894.8	2889.3	2876.2	2862.0	2843.9	2828.6	2788.1	2756.4	2720.3	2670.0	2627.9
33°	2851.6	2846.1	2838.4	2823.7	2800.2	2785.9	2749.8	2714.8	2679.3	2633.9	2585.8
34°	2791.9	2785.4	2775.5	2760.8	2736.7	2721.9	2693.0	2656.9	2619.1	2572.1	2527.2
35°	2712.1	2699.5	2696.8	2674.9	2652.5	2648.7	2614.2	2576.5	2538.2	2486.2	2447.4
36°	2613.1	2598.3	2588.5	2580.8	2566.1	2548.0	2514.1	2484.0	2434.8	2401.5	2346.8
37°	2478.0	2460.0	2469.3	2448.5	2425.5	2417.9	2374.7	2347.3	2305.8	2260.4	2213.9
38°	2320.5	2318.9	2316.7	2307.4	2268.0	2247.8	2229.7	2200.7	2164.6	2110.0	2047.1
39°	2121.4	2124.7	2113.2	2114.3	2094.6	2074.4	2049.3	2016.4	1972.7	1922.9	1872.1
40°	1927.8	1881.4	1889.6	1861.7	1863.3	1833.2	1800.4	1771.4	1743.5	1699.8	1630.3
42.5°	1333.9	1326.8	1302.2	1284.7	1292.3	1253.5	1210.3	1169.8	1131.0	1081.8	1021.1
45°	720.8	704.4	709.3	680.9	680.9	663.4	651.4	617.5	581.4	558.9	523.9
47.5°	268.0	271.3	277.3	265.8	252.7	260.3	248.8	248.8	242.8	235.7	225.9
50°	72.7	73.8	72.7	72.7	71.1	70.0	67.8	67.3	66.7	65.1	62.3
52.5°	29.5	27.9	27.9	28.4	28.4	27.3	27.9	27.9	27.3	26.8	26.8
55°	4.9	5.5	5.5	5.5	5.5	4.9	4.9	5.5	6.0	5.5	5.5
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



TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

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

TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2.5°	30.6	26.8	22.4	18.6	14.8	12.6	11.5	12.0
5°	52.0	39.4	25.7	16.4	11.5	8.8	7.1	6.6
7.5°	79.8	54.1	29.0	14.2	8.8	4.4	2.7	2.2
10°	122.5	70.6	31.2	12.0	5.5	1.1	0.0	0.0
12.5°	314.5	86.4	31.7	9.8	2.2	0.0	0.0	0.0
15°	646.4	131.8	30.6	7.1	0.5	0.0	0.0	0.0
17.5°	1074.7	201.8	26.8	4.9	0.0	0.0	0.0	0.0
20°	1490.9	249.9	21.3	2.2	0.0	0.0	0.0	0.0
21°	1616.1	264.2	19.1	1.6	0.0	0.0	0.0	0.0
22°	1718.4	274.5	17.0	1.1	0.0	0.0	0.0	0.0
23°	1803.7	280.0	14.8	0.5	0.0	0.0	0.0	0.0
24°	1863.3	281.1	13.7	0.5	0.0	0.0	0.0	0.0
25°	1891.7	277.3	12.0	0.0	0.0	0.0	0.0	0.0
26°	1902.7	269.6	10.9	0.0	0.0	0.0	0.0	0.0
27°	1894.5	259.8	9.8	0.0	0.0	0.0	0.0	0.0
28°	1879.7	245.0	8.2	0.0	0.0	0.0	0.0	0.0
29°	1850.7	225.3	7.1	0.0	0.0	0.0	0.0	0.0
30°	1822.8	205.1	6.0	0.0	0.0	0.0	0.0	0.0
31°	1791.1	187.0	4.9	0.0	0.0	0.0	0.0	0.0
32°	1752.3	166.3	3.8	0.0	0.0	0.0	0.0	0.0
33°	1687.7	147.1	2.7	0.0	0.0	0.0	0.0	0.0
34°	1597.5	129.1	2.2	0.0	0.0	0.0	0.0	0.0
35°	1476.6	109.9	1.6	0.0	0.0	0.0	0.0	0.0
36°	1344.3	89.7	1.1	0.0	0.0	0.0	0.0	0.0
37°	1182.4	65.1	1.1	0.0	0.0	0.0	0.0	0.0
38°	1013.4	41.0	0.5	0.0	0.0	0.0	0.0	0.0
39°	840.6	31.2	0.5	0.0	0.0	0.0	0.0	0.0
40°	682.5	26.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	365.3	18.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	215.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	120.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	43.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.0	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



TEST NUMBER: P1316950

CATALOG NUMBER: P3SQAS09R259830DE010 E3SQCA301MMS

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)