

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: P1310071

Luminaire Tested: P3SQAS09R309040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

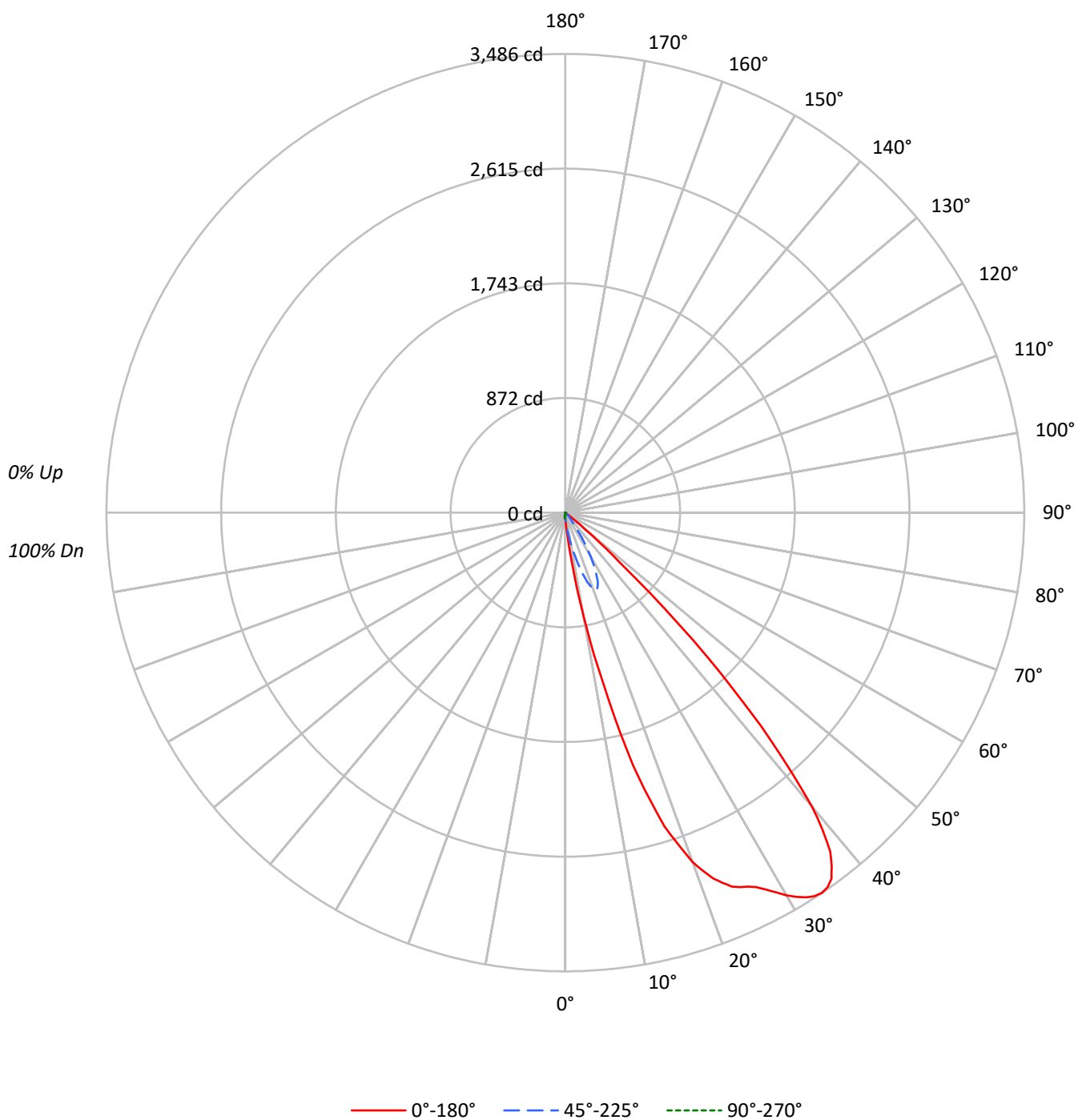
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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					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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7733	7733	7733	7733	7733
5°	28041	17426	7071	2853	2040
10°	138802	41726	5509	542	0
15°	354046	79450	3512	0	0
20°	517332	112989	1448	0	0
25°	596836	110862	304	0	0
30°	667970	76106	0	0	0
35°	730517	32777	0	0	0
40°	655667	12747	0	0	0
45°	334821	5188	0	0	0
50°	51684	643	0	0	0
55°	3063	0	240	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1597	0	0
80°	0	793	2380	0	0
85°	0	1581	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 334821 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	1.1
10°-20°	111.8	13.3
20°-30°	276.3	32.9
30°-40°	317.7	37.9
40°-50°	117.8	14.0
50°-60°	4.3	0.5
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	397.4	47.4
0°-40°	715.1	85.2
0°-60°	837.2	99.8
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	162	101	41	16	12	35
15°	1986	446	20	0	0	571
25°	3141	583	2	0	0	1451
35°	3475	156	0	0	0	2107
45°	1375	21	0	0	0	1071
55°	10	0	1	0	0	35
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°	45°	67.5°	90°	112.5°
0°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2.5°	79.5	80.3	80.3	77.9	77.2	76.4	74.0	66.9	55.9	44.9	36.2
5°	162.2	163.0	163.0	158.3	148.8	139.4	131.5	100.8	64.6	40.9	26.8
7.5°	382.7	383.4	366.9	348.0	310.2	290.5	254.3	155.1	73.2	37.0	17.3
10°	793.7	776.3	733.0	677.9	619.6	544.1	467.7	238.6	79.5	31.5	11.0
12.5°	1326.7	1310.2	1254.3	1175.5	1061.4	913.3	768.5	335.4	80.3	25.2	6.3
15°	1985.7	1939.3	1872.3	1741.6	1573.1	1344.0	1104.7	445.6	77.2	19.7	1.6
17.5°	2496.7	2454.2	2369.2	2216.4	2007.0	1752.7	1459.0	550.4	68.5	12.6	0.0
20°	2822.7	2777.8	2698.3	2563.6	2340.8	2042.4	1706.2	616.5	56.7	7.9	0.0
21°	2915.6	2872.3	2794.3	2660.5	2438.4	2140.8	1766.8	630.7	51.2	6.3	0.0
22°	2997.5	2963.6	2891.2	2745.5	2519.5	2213.3	1828.2	632.2	47.2	4.7	0.0
23°	3054.9	3030.5	2958.1	2824.2	2599.1	2272.3	1861.3	622.8	42.5	3.1	0.0
24°	3110.1	3080.1	3017.9	2893.5	2662.0	2321.9	1891.2	605.5	37.8	2.4	0.0
25°	3140.8	3106.1	3058.1	2941.6	2714.0	2353.4	1909.3	583.4	33.1	1.6	0.0
26°	3162.0	3135.3	3082.5	2969.9	2736.1	2373.9	1911.7	551.1	29.9	0.8	0.0
27°	3194.3	3167.5	3116.4	2995.1	2745.5	2370.7	1897.5	514.1	26.0	0.0	0.0
28°	3243.1	3207.7	3156.5	3021.9	2749.4	2357.3	1866.0	474.0	22.0	0.0	0.0
29°	3299.0	3262.8	3206.9	3057.3	2750.2	2330.6	1816.4	429.9	19.7	0.0	0.0
30°	3358.9	3327.4	3270.7	3091.9	2758.9	2295.9	1759.0	382.7	15.7	0.0	0.0
31°	3406.1	3377.8	3317.1	3123.4	2766.0	2266.0	1688.1	335.4	13.4	0.0	0.0
32°	3447.0	3421.8	3347.0	3130.5	2751.8	2223.5	1612.5	289.7	11.0	0.0	0.0
33°	3475.4	3443.9	3356.5	3112.4	2710.9	2153.4	1528.3	246.4	8.7	0.0	0.0
34°	3485.6	3447.8	3342.3	3065.2	2628.2	2047.1	1418.8	201.6	7.1	0.0	0.0
35°	3474.6	3428.1	3291.1	2984.1	2516.4	1920.4	1287.3	155.9	5.5	0.0	0.0
36°	3439.2	3380.1	3217.9	2868.3	2356.6	1770.8	1155.8	121.3	3.9	0.0	0.0
37°	3362.8	3297.4	3092.7	2715.6	2198.3	1599.1	1006.2	94.5	2.4	0.0	0.0
38°	3269.1	3174.6	2925.8	2522.7	1993.6	1406.2	858.2	77.9	1.6	0.0	0.0
39°	3109.3	3005.3	2727.4	2300.7	1792.8	1222.8	714.1	67.7	0.8	0.0	0.0
40°	2916.4	2792.8	2500.6	2062.9	1555.8	1030.6	596.0	56.7	0.8	0.0	0.0
42.5°	2199.9	2095.2	1781.0	1403.1	951.1	607.8	330.7	37.0	0.0	0.0	0.0
45°	1374.7	1265.3	1052.7	769.2	514.9	314.9	159.0	21.3	0.0	0.0	0.0
47.5°	561.4	514.9	423.6	326.0	233.1	148.0	66.1	9.4	0.0	0.0	0.0
50°	192.9	171.6	144.1	105.5	74.8	51.2	34.6	2.4	0.0	0.0	0.0
52.5°	55.9	56.7	49.6	42.5	33.1	23.6	17.3	0.0	0.0	0.0	0.0
55°	10.2	8.7	10.2	9.4	10.2	8.7	6.3	0.0	0.0	0.8	0.0
57.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	0.8
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):

	135°	157.5°	180°
0°	44.9	44.9	44.9
2.5°	29.1	26.0	24.4
5°	16.5	12.6	11.8
7.5°	8.7	5.5	4.7
10°	3.1	0.8	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)