

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: P1308953

Luminaire Tested: P3SQAS09R309035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308953
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: P3SQAS09R309035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

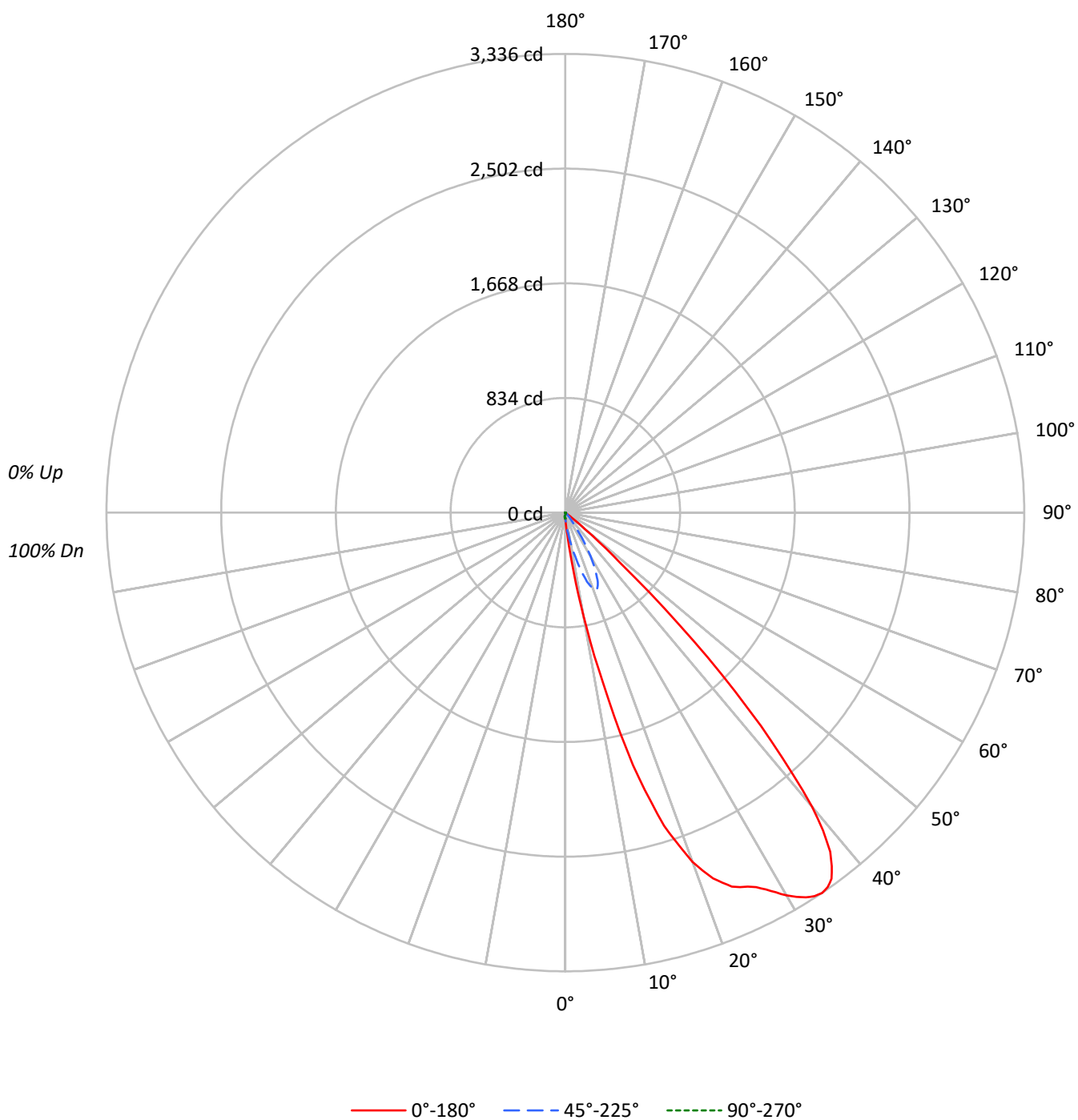
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	96	92	104	98	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		78	74	70		76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7406	7406	7406	7406	7406
5°	26831	16683	6777	2732	1954
10°	132838	39925	5264	525	0
15°	338855	76044	3352	0	0
20°	495137	108133	1375	0	0
25°	571220	106111	285	0	0
30°	639293	72825	0	0	0
35°	699170	31369	0	0	0
40°	627520	12208	0	0	0
45°	320451	4944	0	0	0
50°	49460	616	0	0	0
55°	2943	0	240	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	1530	0	0
80°	0	793	2281	0	0
85°	0	1581	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 320451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	1.1
10°-20°	107.0	13.3
20°-30°	264.4	32.9
30°-40°	304.1	37.9
40°-50°	112.8	14.0
50°-60°	4.1	0.5
60°-70°	0.4	0.1
70°-80°	0.7	0.1
80°-90°	0.6	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°	380.4	47.4
0°-40°	684.4	85.2
0°-60°	801.3	99.8
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	155	96	39	16	11	34
15°	1900	426	19	0	0	546
25°	3006	558	2	0	0	1389
35°	3326	149	0	0	0	2016
45°	1316	20	0	0	0	1025
55°	10	0	1	0	0	34
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°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	76.1	76.9	76.9	74.6	73.9	73.1	70.8	64.1	53.5	43.0	34.7
5°	155.2	156.0	156.0	151.5	142.4	133.4	125.8	96.5	61.8	39.2	25.6
7.5°	366.2	367.0	351.2	333.1	296.9	278.1	243.4	148.5	70.1	35.4	16.6
10°	759.6	743.0	701.6	648.8	593.1	520.7	447.6	228.3	76.1	30.1	10.6
12.5°	1269.8	1253.9	1200.4	1125.1	1015.8	874.1	735.5	321.0	76.9	24.1	6.0
15°	1900.5	1856.0	1792.0	1666.9	1505.6	1286.3	1057.3	426.5	73.9	18.8	1.5
17.5°	2389.6	2348.9	2267.5	2121.3	1920.9	1677.5	1396.4	526.7	65.6	12.1	0.0
20°	2701.6	2658.6	2582.5	2453.6	2240.4	1954.8	1633.0	590.0	54.3	7.5	0.0
21°	2790.5	2749.0	2674.4	2546.3	2333.8	2049.0	1691.0	603.6	49.0	6.0	0.0
22°	2868.8	2836.4	2767.1	2627.7	2411.4	2118.3	1749.8	605.1	45.2	4.5	0.0
23°	2923.9	2900.5	2831.2	2703.1	2487.5	2174.8	1781.4	596.1	40.7	3.0	0.0
24°	2976.6	2948.0	2888.4	2769.4	2547.8	2222.3	1810.1	579.5	36.2	2.3	0.0
25°	3006.0	2972.8	2926.9	2815.3	2597.6	2252.4	1827.4	558.4	31.7	1.5	0.0
26°	3026.3	3000.7	2950.2	2842.5	2618.7	2272.0	1829.7	527.5	28.6	0.8	0.0
27°	3057.2	3031.6	2982.6	2866.6	2627.7	2269.0	1816.1	492.1	24.9	0.0	0.0
28°	3104.0	3070.1	3021.1	2892.2	2631.5	2256.2	1786.0	453.7	21.1	0.0	0.0
29°	3157.5	3122.8	3069.3	2926.1	2632.2	2230.6	1738.5	411.5	18.8	0.0	0.0
30°	3214.7	3184.6	3130.3	2959.3	2640.5	2197.4	1683.5	366.2	15.1	0.0	0.0
31°	3260.0	3232.8	3174.8	2989.4	2647.3	2168.8	1615.7	321.0	12.8	0.0	0.0
32°	3299.1	3275.0	3203.4	2996.2	2633.7	2128.1	1543.3	277.3	10.6	0.0	0.0
33°	3326.3	3296.1	3212.5	2978.9	2594.5	2061.0	1462.7	235.9	8.3	0.0	0.0
34°	3336.1	3299.9	3198.9	2933.7	2515.4	1959.3	1357.9	192.9	6.8	0.0	0.0
35°	3325.5	3281.1	3149.9	2856.0	2408.4	1838.0	1232.1	149.2	5.3	0.0	0.0
36°	3291.6	3235.1	3079.8	2745.3	2255.4	1694.8	1106.2	116.1	3.8	0.0	0.0
37°	3218.5	3156.0	2960.0	2599.1	2104.0	1530.5	963.1	90.4	2.3	0.0	0.0
38°	3128.8	3038.4	2800.3	2414.4	1908.0	1345.9	821.4	74.6	1.5	0.0	0.0
39°	2975.9	2876.4	2610.4	2201.9	1715.9	1170.3	683.5	64.8	0.8	0.0	0.0
40°	2791.2	2672.9	2393.3	1974.4	1489.1	986.4	570.5	54.3	0.8	0.0	0.0
42.5°	2105.5	2005.3	1704.6	1342.9	910.3	581.8	316.5	35.4	0.0	0.0	0.0
45°	1315.7	1211.0	1007.5	736.2	492.8	301.4	152.2	20.3	0.0	0.0	0.0
47.5°	537.3	492.8	405.4	312.0	223.1	141.7	63.3	9.0	0.0	0.0	0.0
50°	184.6	164.3	137.9	101.0	71.6	49.0	33.2	2.3	0.0	0.0	0.0
52.5°	53.5	54.3	47.5	40.7	31.7	22.6	16.6	0.0	0.0	0.0	0.0
55°	9.8	8.3	9.8	9.0	9.8	8.3	6.0	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	1.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	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	1.5	2.3	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	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°	43.0	43.0	43.0
2.5°	27.9	24.9	23.4
5°	15.8	12.1	11.3
7.5°	8.3	5.3	4.5
10°	3.0	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)