

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: P1317988

Luminaire Tested: P3SQAS13R309835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317988
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: P3SQAS13R309835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

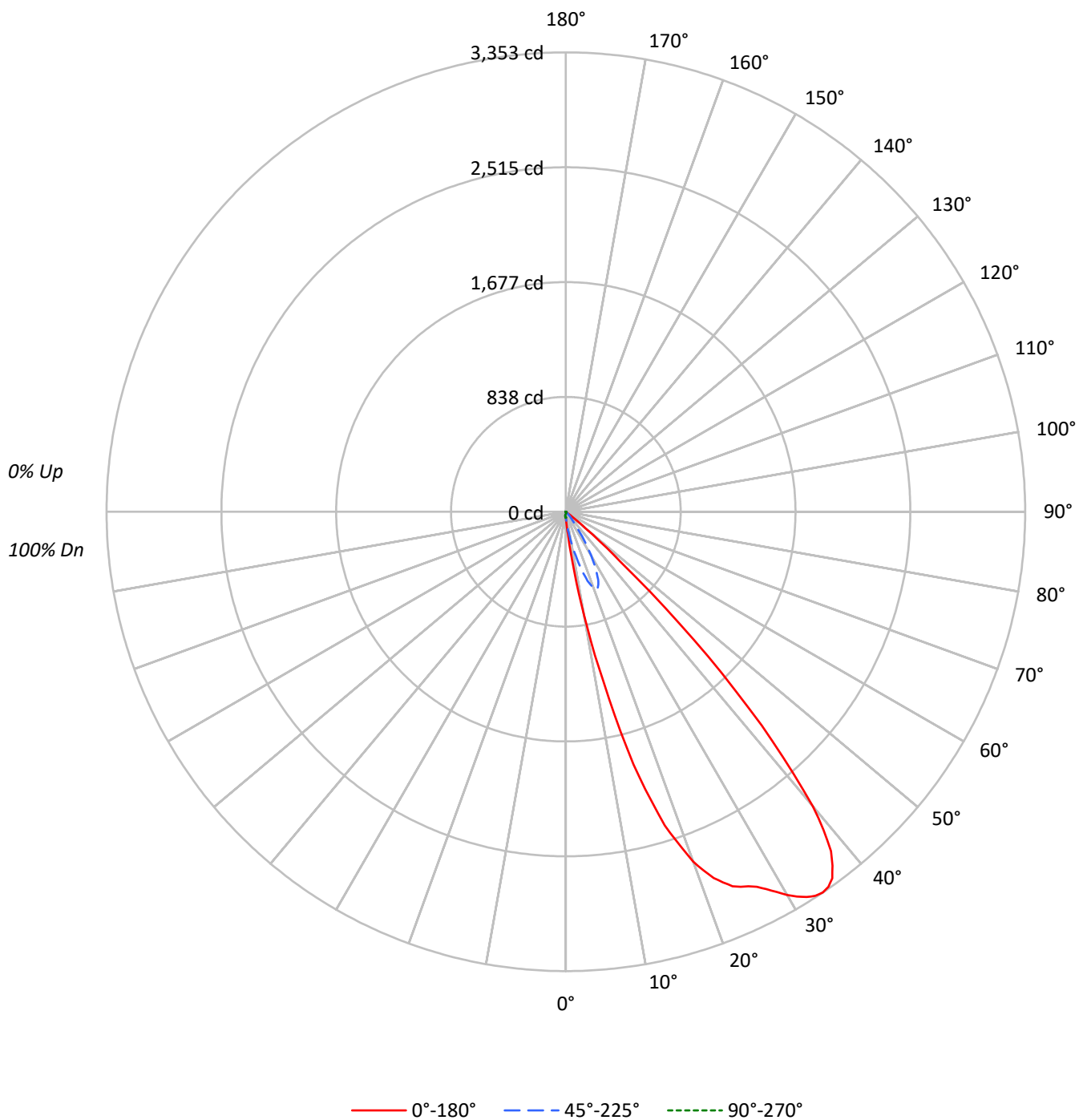
Lumens per Lamp: N/A
Luminaire Lumens: 807.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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°	7440	7440	7440	7440	7440
5°	26969	16752	6811	2749	1971
10°	133503	40135	5299	525	0
15°	340549	76419	3370	0	0
20°	497593	108682	1393	0	0
25°	574071	106643	285	0	0
30°	642495	73202	0	0	0
35°	702660	31537	0	0	0
40°	630645	12253	0	0	0
45°	322059	4969	0	0	0
50°	49701	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: 322059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	1.1
10°-20°	107.5	13.3
20°-30°	265.7	32.9
30°-40°	305.6	37.9
40°-50°	113.4	14.0
50°-60°	4.1	0.5
60°-70°	0.4	0.0
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°	382.3	47.4
0°-40°	687.8	85.2
0°-60°	805.3	99.8
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	156	97	39	16	11	34
15°	1910	429	19	0	0	549
25°	3021	561	2	0	0	1396
35°	3342	150	0	0	0	2026
45°	1322	20	0	0	0	1030
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°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	76.5	77.2	77.2	75.0	74.2	73.5	71.2	64.4	53.8	43.2	34.8
5°	156.0	156.8	156.8	152.2	143.1	134.0	126.5	96.9	62.1	39.4	25.7
7.5°	368.1	368.8	352.9	334.7	298.4	279.5	244.6	149.2	70.4	35.6	16.7
10°	763.4	746.7	705.1	652.1	596.0	523.3	449.9	229.5	76.5	30.3	10.6
12.5°	1276.1	1260.2	1206.4	1130.7	1020.9	878.5	739.1	322.6	77.2	24.2	6.1
15°	1910.0	1865.3	1800.9	1675.2	1513.1	1292.8	1062.5	428.6	74.2	18.9	1.5
17.5°	2401.5	2360.6	2278.8	2131.9	1930.4	1685.8	1403.3	529.4	65.9	12.1	0.0
20°	2715.0	2671.8	2595.4	2465.9	2251.5	1964.5	1641.1	593.0	54.5	7.6	0.0
21°	2804.4	2762.7	2687.7	2559.0	2345.4	2059.2	1699.4	606.6	49.2	6.1	0.0
22°	2883.1	2850.6	2780.9	2640.8	2423.4	2128.8	1758.5	608.1	45.4	4.5	0.0
23°	2938.4	2914.9	2845.3	2716.5	2499.9	2185.6	1790.3	599.0	40.9	3.0	0.0
24°	2991.4	2962.7	2902.8	2783.2	2560.5	2233.4	1819.1	582.4	36.4	2.3	0.0
25°	3021.0	2987.6	2941.5	2829.4	2610.5	2263.6	1836.5	561.2	31.8	1.5	0.0
26°	3041.4	3015.7	2964.9	2856.6	2631.7	2283.3	1838.8	530.1	28.8	0.8	0.0
27°	3072.5	3046.7	2997.5	2880.9	2640.8	2280.3	1825.2	494.5	25.0	0.0	0.0
28°	3119.4	3085.3	3036.1	2906.6	2644.6	2267.4	1794.9	455.9	21.2	0.0	0.0
29°	3173.2	3138.4	3084.6	2940.7	2645.3	2241.7	1747.1	413.5	18.9	0.0	0.0
30°	3230.8	3200.5	3145.9	2974.0	2653.7	2208.4	1691.9	368.1	15.1	0.0	0.0
31°	3276.2	3248.9	3190.6	3004.3	2660.5	2179.6	1623.7	322.6	12.9	0.0	0.0
32°	3315.6	3291.3	3219.4	3011.1	2646.9	2138.7	1551.0	278.7	10.6	0.0	0.0
33°	3342.8	3312.5	3228.5	2993.7	2607.5	2071.3	1470.0	237.0	8.3	0.0	0.0
34°	3352.7	3316.3	3214.8	2948.3	2528.0	1969.0	1364.7	193.9	6.8	0.0	0.0
35°	3342.1	3297.4	3165.6	2870.3	2420.4	1847.1	1238.2	150.0	5.3	0.0	0.0
36°	3308.0	3251.2	3095.2	2758.9	2266.7	1703.2	1111.8	116.6	3.8	0.0	0.0
37°	3234.5	3171.7	2974.8	2612.0	2114.5	1538.1	967.9	90.9	2.3	0.0	0.0
38°	3144.4	3053.5	2814.2	2426.5	1917.5	1352.6	825.5	75.0	1.5	0.0	0.0
39°	2990.7	2890.7	2623.4	2212.9	1724.4	1176.1	686.9	65.1	0.8	0.0	0.0
40°	2805.1	2686.2	2405.3	1984.2	1496.5	991.3	573.3	54.5	0.8	0.0	0.0
42.5°	2116.0	2015.2	1713.1	1349.6	914.8	584.7	318.1	35.6	0.0	0.0	0.0
45°	1322.3	1217.0	1012.5	739.9	495.3	302.9	153.0	20.4	0.0	0.0	0.0
47.5°	540.0	495.3	407.4	313.5	224.2	142.4	63.6	9.1	0.0	0.0	0.0
50°	185.5	165.1	138.6	101.5	71.9	49.2	33.3	2.3	0.0	0.0	0.0
52.5°	53.8	54.5	47.7	40.9	31.8	22.7	16.7	0.0	0.0	0.0	0.0
55°	9.8	8.3	9.8	9.1	9.8	8.3	6.1	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°	43.2	43.2	43.2
2.5°	28.0	25.0	23.5
5°	15.9	12.1	11.4
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)