

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: P1314523

Luminaire Tested: P3SQAS17R309735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314523
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: P3SQAS17R309735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

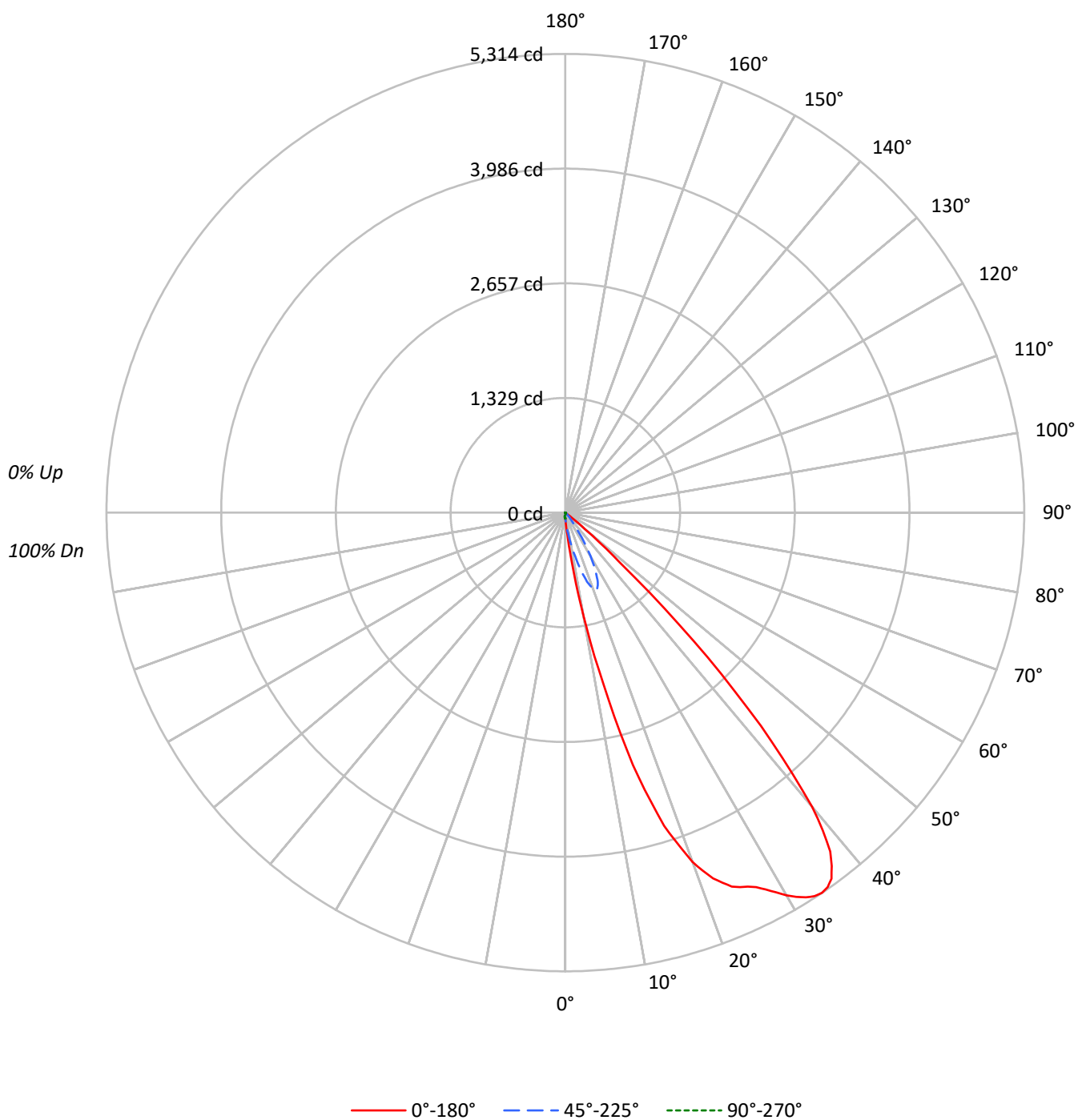
Lumens per Lamp: N/A
Luminaire Lumens: 1279.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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°	11780	11780	11780	11780	11780
5°	42753	26554	10788	4357	3112
10°	211587	63604	8394	839	0
15°	539726	121136	5349	0	0
20°	788635	172242	2199	0	0
25°	909829	169010	456	0	0
30°	1018271	115998	0	0	0
35°	1113626	49975	0	0	0
40°	999508	19425	0	0	0
45°	510428	7891	0	0	0
50°	78798	965	0	0	0
55°	4684	0	360	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	2396	0	0
80°	0	1190	3570	0	0
85°	0	2371	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 510428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	1.1
10°-20°	170.4	13.3
20°-30°	421.1	32.9
30°-40°	484.3	37.9
40°-50°	179.6	14.0
50°-60°	6.5	0.5
60°-70°	0.6	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	605.8	47.4
0°-40°	1090.1	85.2
0°-60°	1276.3	99.8
0°-90°	1279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	247	154	62	25	18	54
15°	3027	679	30	0	0	870
25°	4788	889	2	0	0	2212
35°	5297	238	0	0	0	3211
45°	2096	32	0	0	0	1632
55°	16	0	1	0	0	53
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	121.2	122.4	122.4	118.8	117.6	116.4	112.8	102.0	85.2	68.4	55.2
5°	247.3	248.5	248.5	241.3	226.9	212.4	200.4	153.6	98.4	62.4	40.8
7.5°	583.3	584.5	559.3	530.5	472.9	442.9	387.7	236.5	111.6	56.4	26.4
10°	1209.9	1183.5	1117.5	1033.4	944.6	829.4	713.0	363.7	121.2	48.0	16.8
12.5°	2022.5	1997.3	1912.0	1792.0	1618.0	1392.3	1171.5	511.3	122.4	38.4	9.6
15°	3027.1	2956.3	2854.2	2655.0	2398.1	2048.9	1684.0	679.4	117.6	30.0	2.4
17.5°	3806.1	3741.2	3611.6	3378.8	3059.5	2671.8	2224.1	839.0	104.4	19.2	0.0
20°	4303.0	4234.6	4113.3	3908.1	3568.4	3113.5	2601.0	939.8	86.4	12.0	0.0
21°	4444.6	4378.6	4259.8	4055.7	3717.2	3263.5	2693.4	961.4	78.0	9.6	0.0
22°	4569.4	4517.8	4407.4	4185.3	3840.9	3374.0	2787.0	963.8	72.0	7.2	0.0
23°	4657.1	4619.8	4509.4	4305.4	3962.1	3464.0	2837.4	949.4	64.8	4.8	0.0
24°	4741.1	4695.5	4600.6	4411.0	4058.1	3539.6	2883.1	923.0	57.6	3.6	0.0
25°	4787.9	4735.1	4661.9	4484.2	4137.3	3587.6	2910.7	889.4	50.4	2.4	0.0
26°	4820.3	4779.5	4699.1	4527.4	4170.9	3618.8	2914.3	840.2	45.6	1.2	0.0
27°	4869.5	4828.7	4750.7	4565.8	4185.3	3614.0	2892.7	783.8	39.6	0.0	0.0
28°	4943.9	4889.9	4811.9	4606.6	4191.3	3593.6	2844.6	722.6	33.6	0.0	0.0
29°	5029.1	4973.9	4888.7	4660.7	4192.5	3552.8	2769.0	655.3	30.0	0.0	0.0
30°	5120.4	5072.3	4985.9	4713.5	4205.8	3500.0	2681.4	583.3	24.0	0.0	0.0
31°	5192.4	5149.2	5056.7	4761.5	4216.6	3454.4	2573.4	511.3	20.4	0.0	0.0
32°	5254.8	5216.4	5102.4	4772.3	4194.9	3389.6	2458.2	441.7	16.8	0.0	0.0
33°	5298.0	5250.0	5116.8	4744.7	4132.5	3282.7	2329.7	375.7	13.2	0.0	0.0
34°	5313.6	5256.0	5095.2	4672.7	4006.5	3120.7	2162.9	307.3	10.8	0.0	0.0
35°	5296.8	5226.0	5017.1	4549.0	3836.1	2927.5	1962.4	237.7	8.4	0.0	0.0
36°	5242.8	5152.8	4905.5	4372.6	3592.4	2699.4	1762.0	184.8	6.0	0.0	0.0
37°	5126.4	5026.7	4714.7	4139.7	3351.2	2437.8	1533.9	144.0	3.6	0.0	0.0
38°	4983.5	4839.5	4460.2	3845.7	3039.1	2143.7	1308.3	118.8	2.4	0.0	0.0
39°	4739.9	4581.4	4157.7	3507.2	2733.0	1864.0	1088.6	103.2	1.2	0.0	0.0
40°	4445.8	4257.4	3812.1	3144.7	2371.7	1571.2	908.6	86.4	1.2	0.0	0.0
42.5°	3353.6	3193.9	2715.0	2138.9	1449.9	926.6	504.1	56.4	0.0	0.0	0.0
45°	2095.7	1928.8	1604.8	1172.7	785.0	480.1	242.5	32.4	0.0	0.0	0.0
47.5°	855.8	785.0	645.7	496.9	355.3	225.7	100.8	14.4	0.0	0.0	0.0
50°	294.1	261.7	219.6	160.8	114.0	78.0	52.8	3.6	0.0	0.0	0.0
52.5°	85.2	86.4	75.6	64.8	50.4	36.0	26.4	0.0	0.0	0.0	0.0
55°	15.6	13.2	15.6	14.4	15.6	13.2	9.6	0.0	0.0	1.2	0.0
57.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2



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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	1.2	2.4	3.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	1.2
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°	68.4	68.4	68.4
2.5°	44.4	39.6	37.2
5°	25.2	19.2	18.0
7.5°	13.2	8.4	7.2
10°	4.8	1.2	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)