

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: P1306039

Luminaire Tested: P3SQAS17R209024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

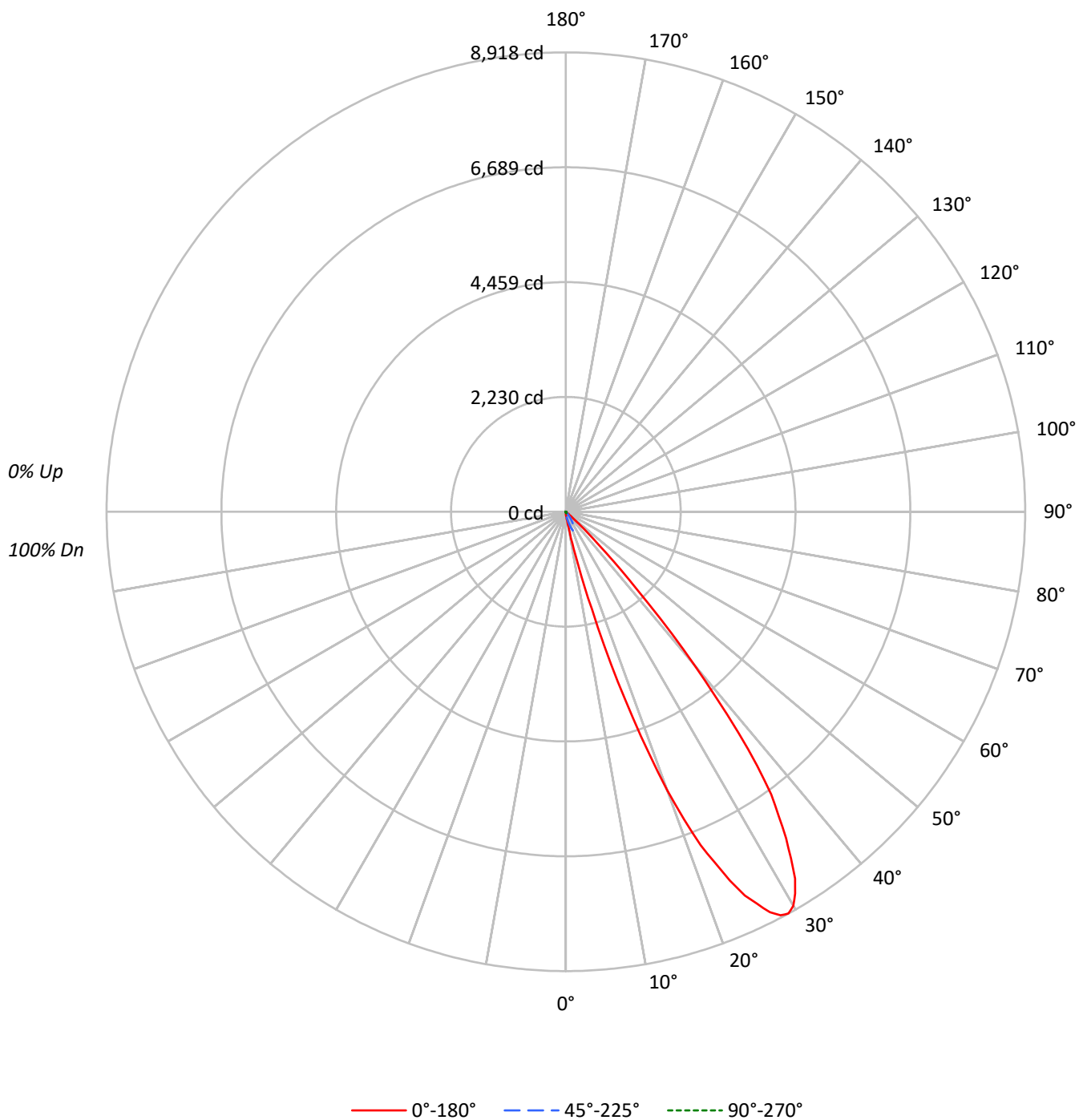
Lumens per Lamp: N/A
Luminaire Lumens: 1250.9 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7423	7423	7423	7423	7423
5°	17063	12759	7071	4322	3734
10°	53793	22227	5754	2378	1784
15°	348466	41080	4243	802	196
20°	1051690	70304	2914	0	0
25°	1561886	70956	1729	0	0
30°	1756421	53952	676	0	0
35°	1515467	32210	484	0	0
40°	872642	10971	0	0	0
45°	212847	4433	268	0	268
50°	25534	1206	295	295	911
55°	3393	0	691	691	1351
60°	379	0	1171	1171	1963
65°	448	448	1834	1834	2771
70°	554	554	2266	2266	2870
75°	0	732	2994	2262	2994
80°	0	1091	3372	2281	3372
85°	0	2174	6719	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 214235 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.5
10°-20°	115.9	9.3
20°-30°	505.3	40.4
30°-40°	508.9	40.7
40°-50°	102.1	8.2
50°-60°	5.1	0.4
60°-70°	3.4	0.3
70°-80°	3.0	0.2
80°-90°	1.5	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°	627.0	50.1
0°-40°	1135.9	90.8
0°-60°	1243.1	99.4
0°-90°	1250.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	99	74	41	25	22	15
15°	1954	230	24	4	1	765
25°	8219	373	9	0	0	3706
35°	7208	153	2	0	0	4289
45°	874	18	1	0	1	951
55°	11	0	2	2	4	21
65°	1	1	4	4	7	1
75°	0	1	4	3	4	0
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	64.7	64.7	63.6	63.6	62.4	63.6	61.3	62.4	62.4	61.3	55.6
5°	98.7	101.0	99.9	99.9	98.7	99.9	97.6	95.3	93.1	93.1	73.8
7.5°	162.3	161.2	158.9	160.0	156.6	154.4	152.1	150.9	144.1	140.7	96.5
10°	307.6	314.4	308.7	307.6	287.1	286.0	272.4	253.1	236.1	227.0	127.1
12.5°	846.7	883.0	826.2	799.0	783.1	721.8	695.7	628.8	564.1	515.3	161.2
15°	1954.4	2044.1	1929.4	1937.4	1842.0	1667.2	1514.0	1382.4	1226.9	1070.3	230.4
17.5°	3829.3	3756.7	3694.3	3588.7	3394.6	3138.1	2807.9	2473.1	2183.7	1880.6	321.2
20°	5738.3	5673.6	5531.8	5301.4	5053.9	4673.7	4281.0	3778.3	3291.4	2835.1	383.6
21°	6395.5	6373.9	6141.2	5999.4	5618.0	5254.8	4802.0	4264.0	3715.8	3175.6	393.8
22°	6982.2	6852.8	6728.0	6518.0	6139.0	5744.0	5240.1	4673.7	4079.0	3478.6	395.0
23°	7388.5	7329.5	7211.5	6974.3	6597.5	6133.3	5602.1	5009.7	4383.2	3693.1	391.6
24°	7838.0	7763.1	7590.6	7313.6	6933.4	6474.9	5868.8	5280.9	4600.0	3873.6	382.5
25°	8219.3	8102.4	7898.1	7599.6	7184.3	6711.0	6101.5	5455.7	4750.9	3995.0	373.4
26°	8466.8	8403.2	8141.0	7816.4	7371.5	6883.5	6261.5	5589.6	4848.5	4050.6	358.6
27°	8724.4	8607.5	8349.9	7976.5	7494.1	6995.9	6352.3	5654.3	4882.6	4052.9	340.5
28°	8871.9	8744.8	8453.1	8060.4	7573.5	7058.3	6404.5	5674.8	4875.8	4017.7	318.9
29°	8918.5	8758.4	8473.6	8074.1	7592.8	7062.8	6396.6	5645.3	4815.6	3931.5	294.0
30°	8832.2	8668.8	8398.7	8009.4	7531.6	7006.1	6322.8	5547.7	4708.9	3807.8	271.3
31°	8643.8	8505.3	8244.3	7853.9	7395.4	6873.3	6156.0	5387.6	4527.3	3642.1	245.1
32°	8395.3	8259.1	8002.6	7649.6	7183.1	6656.5	5927.9	5137.9	4314.0	3394.6	219.0
33°	8021.9	7943.5	7713.1	7376.1	6909.6	6346.7	5621.4	4839.4	4009.8	3120.0	196.3
34°	7643.9	7545.2	7384.0	7015.1	6513.5	5951.7	5221.9	4427.5	3638.7	2812.4	174.8
35°	7208.1	7149.1	6896.0	6600.9	6097.0	5522.7	4797.4	4026.8	3206.2	2469.7	153.2
36°	6785.9	6695.1	6406.8	6094.7	5605.5	4984.7	4268.6	3544.5	2832.8	2148.5	130.5
37°	6173.0	6034.5	5829.1	5500.0	4928.0	4399.1	3745.3	3073.5	2373.2	1801.2	105.6
38°	5452.3	5387.6	5102.8	4771.3	4298.1	3796.4	3149.5	2579.7	1957.8	1503.8	80.6
39°	4602.2	4601.1	4328.7	4089.2	3626.2	3174.5	2591.1	2094.0	1616.2	1211.0	62.4
40°	3881.5	3747.6	3579.6	3278.9	2923.6	2540.0	2029.3	1638.9	1254.1	976.1	48.8
42.5°	2035.0	2023.6	1924.9	1699.0	1500.4	1274.6	1013.5	844.4	660.5	538.0	30.6
45°	873.9	879.6	811.5	777.4	700.3	606.1	511.9	426.7	365.5	296.2	18.2
47.5°	221.3	212.2	210.0	217.9	217.9	211.1	189.5	178.2	164.6	150.9	10.2
50°	95.3	93.1	90.8	90.8	85.1	81.7	76.0	69.2	63.6	56.7	4.5
52.5°	35.2	36.3	37.5	36.3	36.3	35.2	35.2	34.0	30.6	27.2	2.3
55°	11.3	11.3	11.3	12.5	12.5	13.6	13.6	13.6	13.6	12.5	0.0
57.5°	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	0.0
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	1.1	0.0	1.1	1.1	0.0	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	49.9	44.3	37.5	31.8	30.6	29.5
5°	55.6	40.9	30.6	25.0	22.7	21.6
7.5°	60.2	37.5	25.0	18.2	15.9	14.8
10°	62.4	32.9	20.4	13.6	10.2	10.2
12.5°	63.6	28.4	14.8	9.1	5.7	5.7
15°	62.4	23.8	11.3	4.5	1.1	1.1
17.5°	56.7	19.3	6.8	1.1	0.0	0.0
20°	48.8	15.9	4.5	0.0	0.0	0.0
21°	46.5	13.6	3.4	0.0	0.0	0.0
22°	43.1	12.5	2.3	0.0	0.0	0.0
23°	39.7	11.3	2.3	0.0	0.0	0.0
24°	36.3	10.2	1.1	0.0	0.0	0.0
25°	34.0	9.1	1.1	0.0	0.0	0.0
26°	31.8	7.9	1.1	0.0	0.0	0.0
27°	28.4	6.8	0.0	0.0	0.0	0.0
28°	26.1	5.7	0.0	0.0	0.0	0.0
29°	22.7	4.5	0.0	0.0	0.0	0.0
30°	19.3	3.4	0.0	0.0	0.0	0.0
31°	15.9	3.4	0.0	0.0	0.0	0.0
32°	13.6	2.3	0.0	0.0	0.0	0.0
33°	11.3	2.3	0.0	0.0	0.0	0.0
34°	10.2	2.3	0.0	0.0	0.0	0.0
35°	9.1	2.3	0.0	0.0	0.0	0.0
36°	6.8	1.1	0.0	0.0	0.0	0.0
37°	5.7	1.1	0.0	0.0	0.0	0.0
38°	4.5	1.1	0.0	0.0	0.0	0.0
39°	3.4	0.0	0.0	0.0	0.0	0.0
40°	3.4	0.0	0.0	0.0	0.0	0.0
42.5°	1.1	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.1	0.0	0.0	1.1	1.1
47.5°	0.0	1.1	0.0	0.0	1.1	2.3
50°	0.0	1.1	1.1	1.1	2.3	3.4
52.5°	0.0	2.3	1.1	1.1	3.4	3.4
55°	1.1	2.3	1.1	2.3	4.5	4.5
57.5°	1.1	2.3	2.3	3.4	4.5	5.7
60°	2.3	3.4	3.4	3.4	5.7	5.7
62.5°	2.3	3.4	4.5	4.5	5.7	6.8
65°	2.3	4.5	4.5	4.5	5.7	6.8
67.5°	3.4	4.5	4.5	4.5	5.7	6.8
70°	3.4	4.5	4.5	4.5	5.7	5.7
72.5°	3.4	4.5	3.4	4.5	4.5	5.7
75°	3.4	4.5	3.4	3.4	4.5	4.5
77.5°	2.3	3.4	3.4	2.3	3.4	3.4
80°	2.3	3.4	2.3	2.3	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.3	3.4	2.3	1.1	2.3	2.3
85°	2.3	3.4	2.3	1.1	1.1	1.1
87.5°	2.3	3.4	2.3	1.1	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)