

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: P1306198

Luminaire Tested: P3SQASS20R259024D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R259024D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

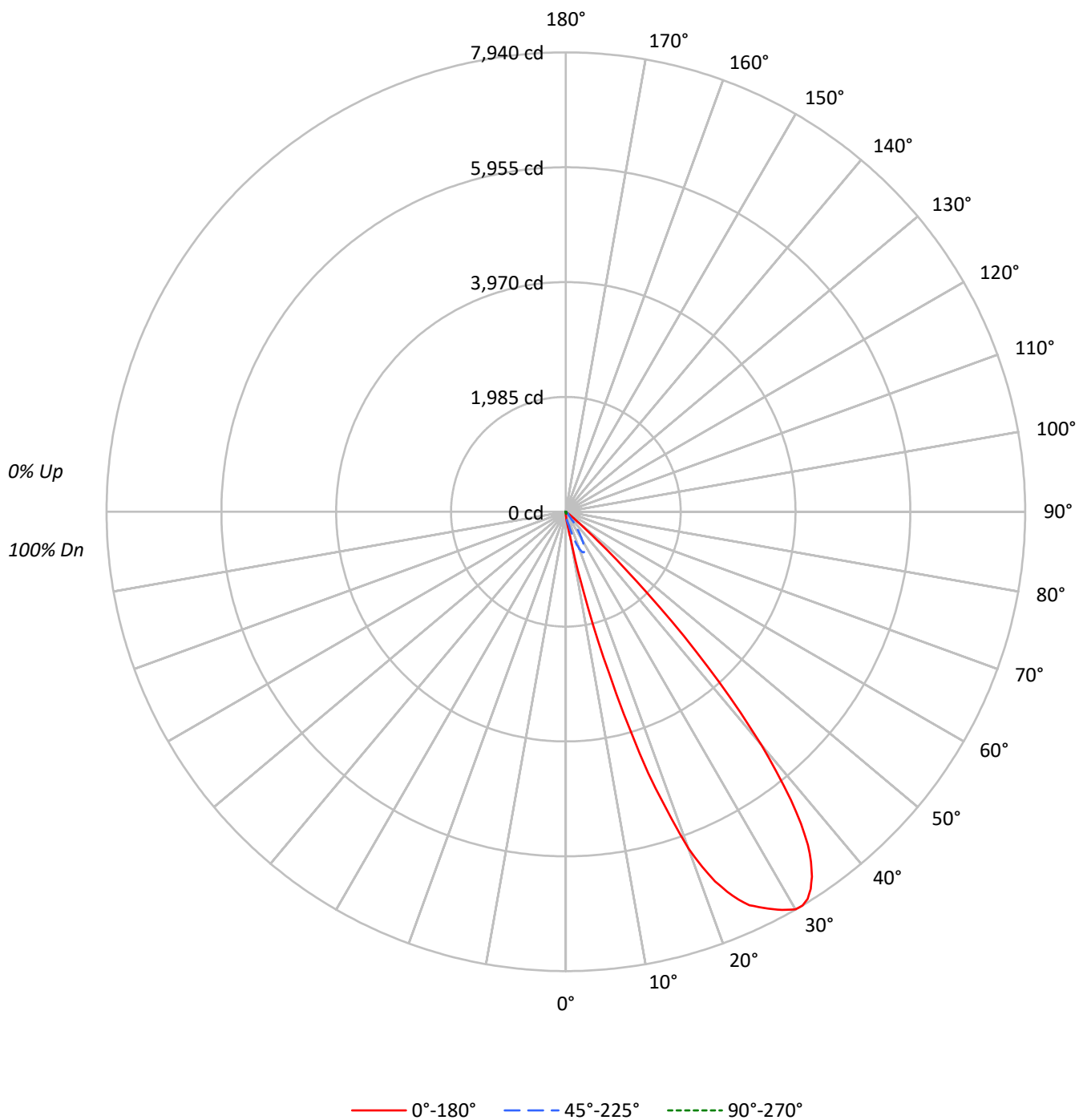
Lumens per Lamp: N/A
Luminaire Lumens: 1556.0 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8473	8473	8473	8473	8473
5°	26537	18550	7728	4115	3095
10°	83662	33629	5736	525	0
15°	517367	64045	3459	0	0
20°	1134365	124829	1100	0	0
25°	1425941	143584	0	0	0
30°	1578496	111146	0	0	0
35°	1553837	62989	0	0	0
40°	1181073	16412	0	0	0
45°	478424	7258	0	0	0
50°	53104	804	0	0	0
55°	4023	0	450	0	0
60°	0	0	517	0	0
65°	0	0	1223	0	0
70°	0	755	1511	0	0
75°	0	998	2994	0	0
80°	0	1488	4463	0	0
85°	0	2964	8892	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 478424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.5
10°-20°	160.7	10.3
20°-30°	561.8	36.1
30°-40°	626.7	40.3
40°-50°	189.3	12.2
50°-60°	6.3	0.4
60°-70°	0.8	0.1
70°-80°	1.4	0.1
80°-90°	1.3	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°	730.2	46.9
0°-40°	1357.0	87.2
0°-60°	1552.6	99.8
0°-90°	1556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	154	107	45	24	18	24
15°	2902	359	19	0	0	965
25°	7504	756	0	0	0	3423
35°	7391	300	0	0	0	4437
45°	1964	30	0	0	0	1696
55°	13	0	2	0	0	42
65°	0	0	3	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
2.5°	84.9	87.9	86.4	87.9	86.4	86.4	86.4	87.9	86.4	86.4	86.4
5°	153.5	155.0	155.0	153.5	153.5	156.5	153.5	155.0	150.5	153.5	152.0
7.5°	251.9	248.9	248.9	250.4	250.4	247.4	245.9	242.9	245.9	245.9	241.4
10°	478.4	475.4	468.0	465.0	468.0	468.0	453.1	456.0	457.5	444.1	439.7
12.5°	1405.4	1395.0	1415.8	1383.0	1363.7	1332.4	1350.2	1289.1	1275.7	1266.8	1245.9
15°	2901.7	2980.7	2946.4	2949.4	2955.3	2880.8	2906.2	2813.8	2736.3	2712.4	2696.0
17.5°	4731.8	4755.7	4724.4	4709.5	4703.5	4667.7	4624.5	4578.3	4518.7	4466.5	4423.3
20°	6189.4	6171.5	6117.8	6123.8	6059.7	6026.9	5989.7	5943.5	5897.3	5821.3	5748.2
21°	6573.9	6521.7	6523.2	6487.4	6486.0	6444.2	6378.7	6331.0	6289.2	6202.8	6156.6
22°	6889.8	6877.9	6851.1	6824.3	6795.9	6775.1	6702.1	6678.2	6593.3	6521.7	6456.2
23°	7135.7	7140.2	7116.4	7098.5	7059.7	7050.8	6956.9	6924.1	6866.0	6757.2	6690.1
24°	7339.9	7332.5	7305.6	7274.3	7252.0	7231.1	7159.6	7105.9	7041.9	6952.4	6886.9
25°	7503.9	7486.0	7468.1	7444.2	7408.5	7384.6	7311.6	7252.0	7196.8	7097.0	7007.6
26°	7600.7	7605.2	7576.9	7559.0	7527.7	7503.9	7427.9	7357.8	7289.3	7181.9	7101.5
27°	7699.1	7694.6	7669.3	7642.5	7609.7	7600.7	7512.8	7439.8	7369.7	7256.5	7161.1
28°	7790.0	7778.1	7757.2	7725.9	7690.2	7663.3	7578.4	7502.4	7426.4	7305.6	7201.3
29°	7866.0	7854.1	7840.7	7800.4	7754.2	7736.4	7645.4	7553.0	7477.0	7353.3	7243.1
30°	7937.5	7915.2	7883.9	7849.6	7804.9	7770.6	7675.2	7594.8	7505.3	7368.2	7262.4
31°	7940.5	7910.7	7888.4	7852.6	7801.9	7760.2	7660.3	7578.4	7474.1	7345.9	7231.1
32°	7888.4	7873.5	7837.7	7798.9	7749.8	7708.0	7597.8	7511.3	7412.9	7275.8	7161.1
33°	7770.6	7755.7	7734.9	7694.6	7630.5	7591.8	7493.4	7398.0	7301.2	7177.5	7046.3
34°	7608.2	7590.3	7563.5	7523.2	7457.7	7417.4	7338.4	7240.1	7137.2	7009.1	6886.9
35°	7390.6	7356.3	7348.9	7289.3	7228.1	7217.7	7123.8	7021.0	6916.7	6775.1	6669.3
36°	7120.8	7080.6	7053.8	7032.9	6992.7	6943.5	6851.1	6769.1	6635.0	6544.1	6395.0
37°	6752.7	6703.5	6728.9	6672.3	6609.7	6588.8	6471.1	6396.5	6283.3	6159.6	6032.9
38°	6323.5	6319.0	6313.1	6287.7	6180.4	6125.3	6076.1	5997.1	5898.8	5749.7	5578.3
39°	5781.0	5790.0	5758.7	5761.7	5708.0	5652.9	5584.3	5494.9	5375.7	5240.0	5101.4
40°	5253.4	5126.8	5149.1	5073.1	5077.6	4995.6	4906.2	4827.2	4751.2	4632.0	4442.7
42.5°	3634.9	3615.6	3548.5	3500.8	3521.7	3415.9	3298.1	3187.8	3082.0	2947.9	2782.5
45°	1964.3	1919.6	1933.0	1855.5	1855.5	1807.8	1775.0	1682.6	1584.2	1523.1	1427.7
47.5°	730.3	739.2	755.6	724.3	688.5	709.4	678.1	678.1	661.7	642.3	615.5
50°	198.2	201.2	198.2	198.2	193.7	190.8	184.8	183.3	181.8	177.4	169.9
52.5°	80.5	76.0	76.0	77.5	77.5	74.5	76.0	76.0	74.5	73.0	73.0
55°	13.4	14.9	14.9	14.9	14.9	13.4	13.4	14.9	16.4	14.9	14.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
2.5°	83.5	73.0	61.1	50.7	40.2	34.3	31.3	32.8
5°	141.6	107.3	70.0	44.7	31.3	23.8	19.4	17.9
7.5°	217.6	147.5	79.0	38.7	23.8	11.9	7.5	6.0
10°	333.8	192.3	84.9	32.8	14.9	3.0	0.0	0.0
12.5°	856.9	235.5	86.4	26.8	6.0	0.0	0.0	0.0
15°	1761.6	359.2	83.5	19.4	1.5	0.0	0.0	0.0
17.5°	2928.5	549.9	73.0	13.4	0.0	0.0	0.0	0.0
20°	4062.7	681.1	58.1	6.0	0.0	0.0	0.0	0.0
21°	4404.0	719.8	52.2	4.5	0.0	0.0	0.0	0.0
22°	4682.6	748.2	46.2	3.0	0.0	0.0	0.0	0.0
23°	4915.1	763.1	40.2	1.5	0.0	0.0	0.0	0.0
24°	5077.6	766.0	37.3	1.5	0.0	0.0	0.0	0.0
25°	5155.1	755.6	32.8	0.0	0.0	0.0	0.0	0.0
26°	5184.9	734.7	29.8	0.0	0.0	0.0	0.0	0.0
27°	5162.5	707.9	26.8	0.0	0.0	0.0	0.0	0.0
28°	5122.3	667.7	22.4	0.0	0.0	0.0	0.0	0.0
29°	5043.3	614.0	19.4	0.0	0.0	0.0	0.0	0.0
30°	4967.3	558.9	16.4	0.0	0.0	0.0	0.0	0.0
31°	4880.9	509.7	13.4	0.0	0.0	0.0	0.0	0.0
32°	4775.0	453.1	10.4	0.0	0.0	0.0	0.0	0.0
33°	4599.2	400.9	7.5	0.0	0.0	0.0	0.0	0.0
34°	4353.3	351.7	6.0	0.0	0.0	0.0	0.0	0.0
35°	4023.9	299.6	4.5	0.0	0.0	0.0	0.0	0.0
36°	3663.3	244.4	3.0	0.0	0.0	0.0	0.0	0.0
37°	3222.1	177.4	3.0	0.0	0.0	0.0	0.0	0.0
38°	2761.6	111.8	1.5	0.0	0.0	0.0	0.0	0.0
39°	2290.7	84.9	1.5	0.0	0.0	0.0	0.0	0.0
40°	1859.9	73.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	995.5	49.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	587.2	29.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	327.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	117.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	46.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	16.4	0.0	0.0	1.5	0.0	0.0	0.0	0.0
57.5°	1.5	0.0	1.5	1.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.5	3.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.0	3.0	1.5	0.0	0.0	0.0
67.5°	0.0	1.5	3.0	3.0	1.5	0.0	0.0	0.0
70°	0.0	1.5	3.0	3.0	1.5	0.0	0.0	0.0
72.5°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
75°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
77.5°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
80°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
85°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
87.5°	0.0	1.5	3.0	4.5	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)