

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: P1307009

Luminaire Tested: P3SQAS17R209027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

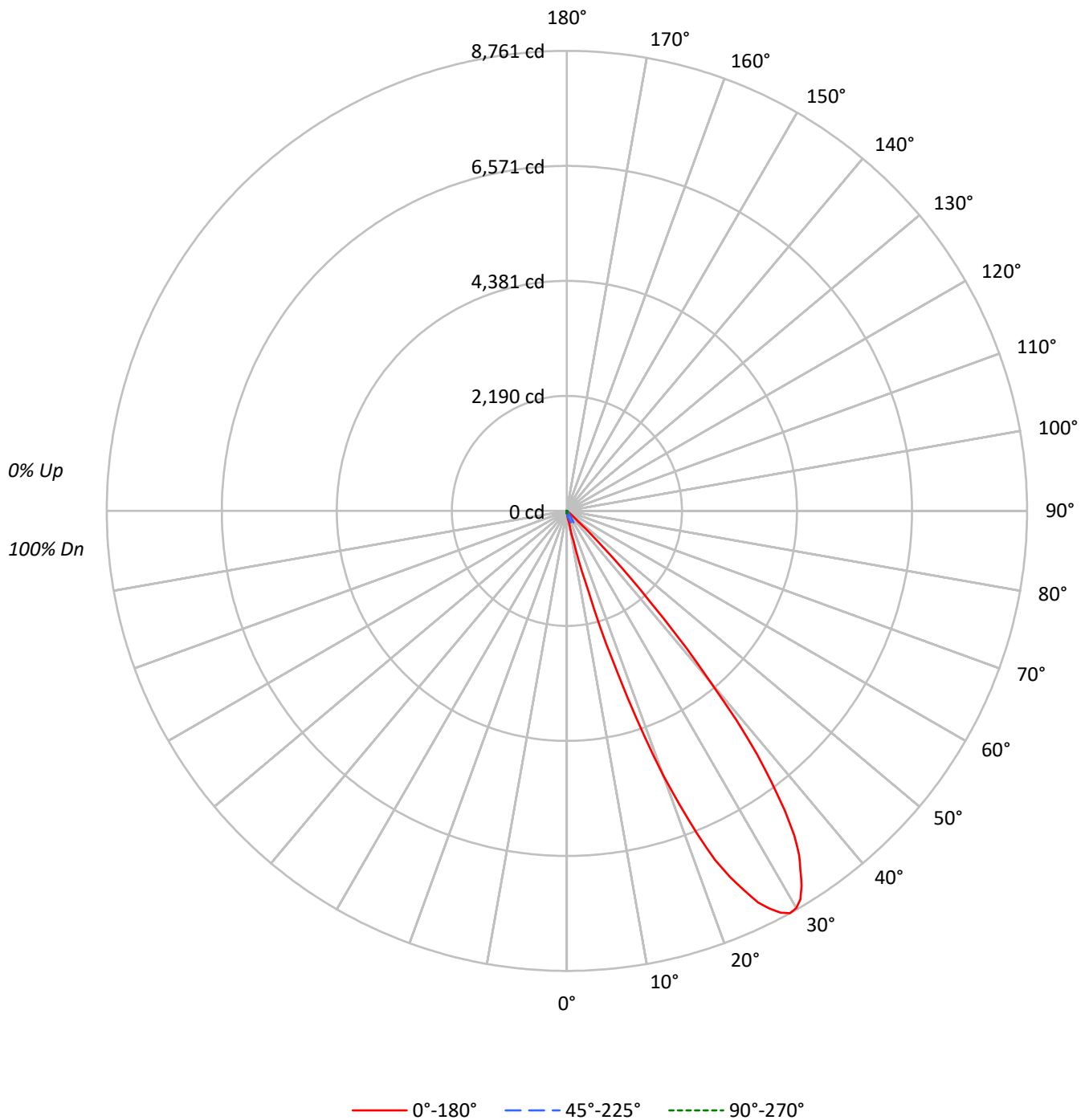
Lumens per Lamp: N/A
Luminaire Lumens: 1209.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	59	52	47	69	59	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°	7457	7457	7457	7457	7457
5°	16216	11427	6863	3112	2282
10°	40380	20181	4844	630	0
15°	284064	27654	2781	0	0
20°	981752	46497	1100	0	0
25°	1513258	59402	456	0	0
30°	1736932	45918	0	0	0
35°	1586299	17450	0	0	0
40°	950992	8116	0	0	0
45°	233695	3800	0	0	0
50°	25775	965	0	0	0
55°	3603	0	360	0	0
60°	0	0	827	0	0
65°	0	0	978	0	0
70°	0	604	1813	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: 1°

Vertical Angle: 45°

Luminance: 249210 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.4
10°-20°	94.4	7.8
20°-30°	477.6	39.5
30°-40°	516.7	42.7
40°-50°	109.1	9.0
50°-60°	3.3	0.3
60°-70°	0.8	0.1
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°	576.9	47.7
0°-40°	1093.7	90.5
0°-60°	1206.1	99.8
0°-90°	1209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	94	66	40	18	13	13
15°	1593	155	16	0	0	664
25°	7963	313	2	0	0	3599
35°	7545	83	0	0	0	4449
45°	960	16	0	0	0	1055
55°	12	0	1	0	0	21
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	58.9	57.7	58.9	57.7	58.9	58.9	58.9	57.7	57.7	57.7	57.7
5°	93.8	93.8	92.6	93.8	93.8	93.8	93.8	92.6	92.6	91.4	91.4
7.5°	147.9	147.9	146.7	146.7	147.9	149.1	144.3	146.7	146.7	146.7	145.5
10°	230.9	235.7	230.9	236.9	232.1	228.5	234.5	228.5	228.5	227.3	223.6
12.5°	582.0	568.7	560.3	539.9	560.3	544.7	548.3	544.7	532.7	517.0	507.4
15°	1593.2	1593.2	1546.3	1608.8	1563.1	1579.9	1493.4	1494.6	1450.1	1402.0	1375.5
17.5°	3330.6	3360.7	3329.4	3310.2	3269.3	3210.4	3186.3	3125.0	3044.5	2950.7	2939.9
20°	5356.7	5230.4	5289.3	5235.2	5201.6	5129.4	5048.8	4998.3	4927.4	4808.4	4632.8
21°	5993.9	5989.1	5987.9	5986.7	5937.4	5819.6	5746.2	5645.2	5545.4	5422.8	5276.1
22°	6636.0	6658.9	6668.5	6598.7	6497.7	6444.8	6394.3	6256.1	6098.5	6034.8	5860.5
23°	7225.2	7203.5	7141.0	7108.5	7030.4	7014.8	6864.5	6776.7	6622.8	6553.0	6346.2
24°	7626.8	7616.0	7587.1	7539.0	7476.5	7380.3	7290.1	7151.8	7025.6	6911.4	6719.0
25°	7963.4	7973.1	7920.2	7887.7	7820.4	7712.1	7601.5	7450.0	7332.2	7198.7	6976.3
26°	8296.5	8229.2	8187.1	8139.0	8065.7	7941.8	7834.8	7698.9	7555.8	7406.7	7189.1
27°	8502.1	8442.0	8378.3	8331.4	8247.2	8129.4	8015.2	7864.9	7704.9	7554.6	7331.0
28°	8664.4	8598.3	8535.8	8479.3	8383.1	8256.8	8119.8	7967.1	7801.1	7646.0	7417.6
29°	8760.6	8682.5	8615.1	8551.4	8463.6	8326.6	8188.3	8024.8	7864.9	7702.5	7469.3
30°	8734.2	8666.8	8601.9	8537.0	8448.0	8319.4	8182.3	8026.0	7864.9	7704.9	7468.1
31°	8630.8	8547.8	8500.9	8436.0	8359.0	8228.0	8110.1	7939.4	7793.9	7620.8	7383.9
32°	8432.4	8379.5	8317.0	8266.5	8191.9	8052.4	7937.0	7797.5	7625.6	7483.7	7234.8
33°	8163.0	8113.7	8082.5	8023.6	7951.4	7855.2	7717.0	7589.5	7395.9	7250.4	7001.5
34°	7905.7	7843.2	7765.1	7748.2	7685.7	7561.8	7436.8	7306.9	7133.8	6948.6	6697.3
35°	7545.0	7480.1	7407.9	7414.0	7339.4	7195.1	7067.7	6922.2	6757.4	6539.8	6301.7
36°	7062.9	7019.6	7008.7	6979.9	6894.5	6722.6	6601.1	6418.4	6280.1	6014.4	5810.0
37°	6474.9	6490.5	6412.4	6375.1	6275.3	6155.0	6086.5	5852.0	5690.9	5491.3	5214.8
38°	5880.9	5858.1	5765.5	5788.3	5651.2	5526.2	5332.6	5193.1	5012.8	4827.6	4606.4
39°	5139.0	5082.5	4971.9	4976.7	4873.3	4732.6	4545.0	4380.3	4272.1	4094.1	3882.5
40°	4230.0	4206.0	4167.5	4103.8	3967.9	3906.6	3739.4	3561.5	3470.1	3223.6	3120.2
42.5°	2347.1	2314.6	2249.7	2226.8	2154.7	2082.5	1985.2	1866.1	1808.4	1735.1	1571.5
45°	959.5	1023.2	1007.6	989.6	934.3	937.9	868.1	876.5	812.8	769.5	739.5
47.5°	211.6	229.7	230.9	222.4	230.9	223.6	220.0	214.0	215.2	218.8	210.4
50°	96.2	95.0	97.4	96.2	95.0	93.8	92.6	89.0	91.4	89.0	86.6
52.5°	37.3	38.5	38.5	36.1	37.3	37.3	37.3	36.1	36.1	36.1	36.1
55°	12.0	12.0	12.0	10.8	10.8	12.0	12.0	12.0	12.0	12.0	10.8
57.5°	1.2	2.4	1.2	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	55.3	50.5	46.9	43.3	36.1	30.1	27.7	27.7
5°	85.4	66.1	49.3	39.7	27.7	18.0	14.4	13.2
7.5°	128.7	89.0	51.7	33.7	18.0	9.6	6.0	4.8
10°	186.4	115.4	54.1	27.7	10.8	3.6	0.0	0.0
12.5°	325.8	138.3	54.1	21.6	4.8	0.0	0.0	0.0
15°	746.7	155.1	51.7	15.6	1.2	0.0	0.0	0.0
17.5°	1551.1	194.8	45.7	10.8	0.0	0.0	0.0	0.0
20°	2476.9	253.7	36.1	6.0	0.0	0.0	0.0	0.0
21°	2858.1	274.1	32.5	4.8	0.0	0.0	0.0	0.0
22°	3132.2	293.4	28.9	3.6	0.0	0.0	0.0	0.0
23°	3434.0	305.4	25.3	2.4	0.0	0.0	0.0	0.0
24°	3656.5	312.6	21.6	2.4	0.0	0.0	0.0	0.0
25°	3794.8	312.6	19.2	2.4	0.0	0.0	0.0	0.0
26°	3876.5	305.4	16.8	1.2	0.0	0.0	0.0	0.0
27°	3895.8	293.4	14.4	1.2	0.0	0.0	0.0	0.0
28°	3871.7	277.8	12.0	0.0	0.0	0.0	0.0	0.0
29°	3796.0	254.9	10.8	0.0	0.0	0.0	0.0	0.0
30°	3714.2	230.9	8.4	0.0	0.0	0.0	0.0	0.0
31°	3574.7	198.4	7.2	0.0	0.0	0.0	0.0	0.0
32°	3413.6	164.7	6.0	0.0	0.0	0.0	0.0	0.0
33°	3198.4	129.9	4.8	0.0	0.0	0.0	0.0	0.0
34°	2880.9	102.2	4.8	0.0	0.0	0.0	0.0	0.0
35°	2596.0	83.0	3.6	0.0	0.0	0.0	0.0	0.0
36°	2223.2	66.1	3.6	0.0	0.0	0.0	0.0	0.0
37°	1904.6	55.3	3.6	0.0	0.0	0.0	0.0	0.0
38°	1594.4	46.9	2.4	0.0	0.0	0.0	0.0	0.0
39°	1293.8	40.9	2.4	0.0	0.0	0.0	0.0	0.0
40°	1031.7	36.1	2.4	0.0	0.0	0.0	0.0	0.0
42.5°	556.7	24.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	307.8	15.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	135.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10.8	0.0	0.0	1.2	0.0	0.0	0.0	0.0
57.5°	2.4	0.0	0.0	1.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.2	2.4	1.2	0.0	0.0	0.0
65°	0.0	0.0	2.4	2.4	1.2	0.0	0.0	0.0
67.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
70°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
72.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
75°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
77.5°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
80°	0.0	1.2	2.4	3.6	1.2	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	1.2	2.4	3.6	1.2	0.0	0.0	0.0
85°	0.0	1.2	2.4	3.6	1.2	0.0	0.0	0.0
87.5°	0.0	1.2	2.4	3.6	1.2	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)