

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: P1309552

Luminaire Tested: P3SQAS24R259035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309552
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: P3SQAS24R259035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

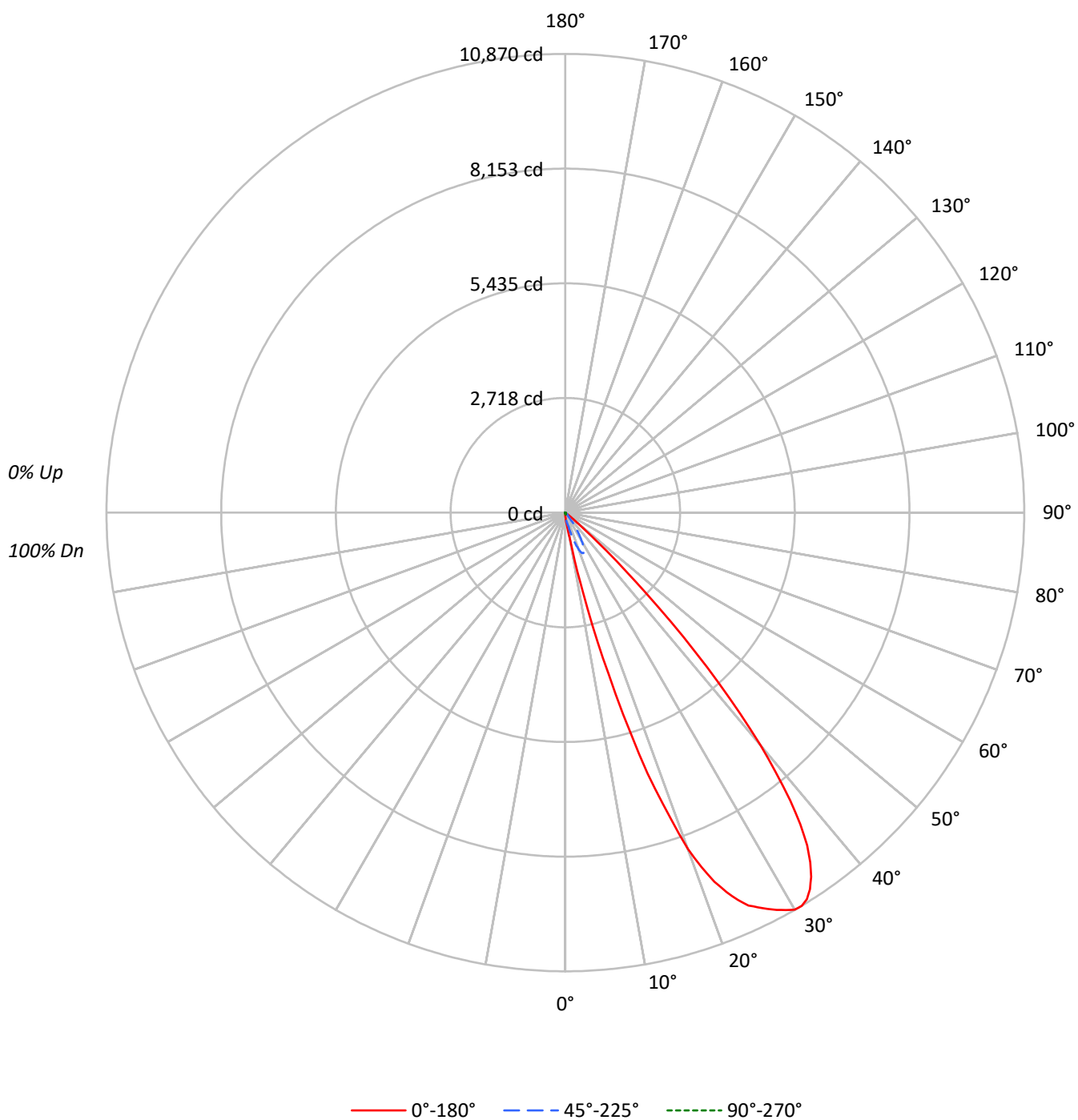
Lumens per Lamp: N/A
Luminaire Lumens: 2130.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	11591	11591	11591	11591	11591
5°	36322	25396	10580	5636	4236
10°	114529	46028	7852	717	0
15°	708217	87669	4725	0	0
20°	1552820	170868	1503	0	0
25°	1951954	196545	0	0	0
30°	2160814	152132	0	0	0
35°	2127028	86221	0	0	0
40°	1616776	22482	0	0	0
45°	654907	9937	0	0	0
50°	72690	1099	0	0	0
55°	5525	0	601	0	0
60°	0	0	689	0	0
65°	0	0	1671	0	0
70°	0	1007	2065	0	0
75°	0	1331	4059	0	0
80°	0	1984	6050	0	0
85°	0	3952	12054	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 654907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	220.0	10.3
20°-30°	769.1	36.1
30°-40°	857.9	40.3
40°-50°	259.1	12.2
50°-60°	8.7	0.4
60°-70°	1.1	0.1
70°-80°	1.8	0.1
80°-90°	1.7	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°	999.6	46.9
0°-40°	1857.5	87.2
0°-60°	2125.3	99.8
0°-90°	2130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2130.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	67	67	67	67	67	
5°	210	147	61	33	24	33
15°	3972	492	26	0	0	1321
25°	10272	1034	0	0	0	4686
35°	10117	410	0	0	0	6074
45°	2689	41	0	0	0	2322
55°	18	0	2	0	0	57
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	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°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.5°	116.3	120.4	118.3	120.4	118.3	118.3	118.3	120.4	118.3	118.3	118.3
5°	210.1	212.2	212.2	210.1	210.1	214.2	210.1	212.2	206.1	210.1	208.1
7.5°	344.8	340.7	340.7	342.7	342.7	338.7	336.6	332.5	336.6	336.6	330.5
10°	654.9	650.8	640.6	636.5	640.6	640.6	620.2	624.3	626.3	608.0	601.8
12.5°	1923.8	1909.6	1938.1	1893.2	1866.7	1823.9	1848.3	1764.7	1746.3	1734.1	1705.5
15°	3972.1	4080.2	4033.3	4037.4	4045.6	3943.5	3978.2	3851.7	3745.7	3713.0	3690.6
17.5°	6477.4	6510.0	6467.2	6446.8	6438.6	6389.6	6330.5	6267.2	6185.6	6114.2	6055.1
20°	8472.6	8448.1	8374.7	8382.8	8295.1	8250.2	8199.2	8136.0	8072.7	7968.7	7868.7
21°	8999.0	8927.6	8929.6	8880.6	8878.6	8821.5	8731.7	8666.4	8609.3	8491.0	8427.7
22°	9431.5	9415.1	9378.4	9341.7	9302.9	9274.4	9174.4	9141.8	9025.5	8927.6	8837.8
23°	9768.1	9774.2	9741.6	9717.1	9664.0	9651.8	9523.3	9478.4	9398.8	9249.9	9158.1
24°	10047.6	10037.4	10000.7	9957.8	9927.2	9898.7	9800.7	9727.3	9639.6	9517.1	9427.4
25°	10272.0	10247.5	10223.0	10190.4	10141.4	10108.8	10008.8	9927.2	9851.7	9715.0	9592.6
26°	10404.6	10410.7	10372.0	10347.5	10304.6	10272.0	10167.9	10072.1	9978.2	9831.3	9721.2
27°	10539.2	10533.1	10498.4	10461.7	10416.8	10404.6	10284.2	10184.3	10088.4	9933.3	9802.8
28°	10663.7	10647.4	10618.8	10576.0	10527.0	10490.3	10374.0	10270.0	10165.9	10000.7	9857.8
29°	10767.7	10751.4	10733.1	10678.0	10614.7	10590.3	10465.8	10339.3	10235.3	10065.9	9915.0
30°	10865.7	10835.1	10792.2	10745.3	10684.1	10637.2	10506.6	10396.4	10274.0	10086.3	9941.5
31°	10869.7	10828.9	10798.3	10749.4	10680.0	10622.9	10486.2	10374.0	10231.2	10055.7	9898.7
32°	10798.3	10777.9	10729.0	10675.9	10608.6	10551.5	10400.5	10282.2	10147.5	9959.9	9802.8
33°	10637.2	10616.8	10588.2	10533.1	10445.4	10392.4	10257.7	10127.1	9994.5	9825.2	9645.7
34°	10414.8	10390.3	10353.6	10298.5	10208.7	10153.7	10045.5	9910.9	9770.1	9594.7	9427.4
35°	10116.9	10070.0	10059.8	9978.2	9894.6	9880.3	9751.8	9611.0	9468.2	9274.4	9129.5
36°	9747.7	9692.6	9655.9	9627.3	9572.2	9504.9	9378.4	9266.2	9082.6	8958.2	8754.1
37°	9243.8	9176.4	9211.1	9133.6	9047.9	9019.4	8858.2	8756.2	8601.1	8431.8	8258.4
38°	8656.2	8650.1	8641.9	8607.3	8460.4	8384.9	8317.6	8209.4	8074.8	7870.8	7636.2
39°	7913.6	7925.9	7883.0	7887.1	7813.7	7738.2	7644.3	7521.9	7358.7	7173.1	6983.3
40°	7191.4	7018.0	7048.6	6944.6	6950.7	6838.5	6716.1	6607.9	6503.9	6340.7	6081.6
42.5°	4975.8	4949.3	4857.5	4792.2	4820.8	4675.9	4514.8	4363.8	4219.0	4035.4	3808.9
45°	2688.9	2627.7	2646.0	2539.9	2539.9	2474.7	2429.8	2303.3	2168.6	2085.0	1954.4
47.5°	999.7	1011.9	1034.3	991.5	942.5	971.1	928.3	928.3	905.8	879.3	842.6
50°	271.3	275.4	271.3	271.3	265.2	261.1	253.0	250.9	248.9	242.8	232.6
52.5°	110.2	104.0	104.0	106.1	106.1	102.0	104.0	104.0	102.0	100.0	100.0
55°	18.4	20.4	20.4	20.4	20.4	18.4	18.4	20.4	22.4	20.4	20.4
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°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.5°	114.2	100.0	83.6	69.4	55.1	46.9	42.8	44.9
5°	193.8	146.9	95.9	61.2	42.8	32.6	26.5	24.5
7.5°	297.9	202.0	108.1	53.0	32.6	16.3	10.2	8.2
10°	457.0	263.2	116.3	44.9	20.4	4.1	0.0	0.0
12.5°	1173.1	322.3	118.3	36.7	8.2	0.0	0.0	0.0
15°	2411.4	491.7	114.2	26.5	2.0	0.0	0.0	0.0
17.5°	4008.8	752.8	100.0	18.4	0.0	0.0	0.0	0.0
20°	5561.4	932.3	79.6	8.2	0.0	0.0	0.0	0.0
21°	6028.5	985.4	71.4	6.1	0.0	0.0	0.0	0.0
22°	6410.0	1024.1	63.2	4.1	0.0	0.0	0.0	0.0
23°	6728.3	1044.5	55.1	2.0	0.0	0.0	0.0	0.0
24°	6950.7	1048.6	51.0	2.0	0.0	0.0	0.0	0.0
25°	7056.8	1034.3	44.9	0.0	0.0	0.0	0.0	0.0
26°	7097.6	1005.8	40.8	0.0	0.0	0.0	0.0	0.0
27°	7067.0	969.1	36.7	0.0	0.0	0.0	0.0	0.0
28°	7011.9	914.0	30.6	0.0	0.0	0.0	0.0	0.0
29°	6903.8	840.5	26.5	0.0	0.0	0.0	0.0	0.0
30°	6799.7	765.0	22.4	0.0	0.0	0.0	0.0	0.0
31°	6681.4	697.7	18.4	0.0	0.0	0.0	0.0	0.0
32°	6536.5	620.2	14.3	0.0	0.0	0.0	0.0	0.0
33°	6295.8	548.8	10.2	0.0	0.0	0.0	0.0	0.0
34°	5959.2	481.5	8.2	0.0	0.0	0.0	0.0	0.0
35°	5508.3	410.1	6.1	0.0	0.0	0.0	0.0	0.0
36°	5014.6	334.6	4.1	0.0	0.0	0.0	0.0	0.0
37°	4410.7	242.8	4.1	0.0	0.0	0.0	0.0	0.0
38°	3780.3	153.0	2.0	0.0	0.0	0.0	0.0	0.0
39°	3135.7	116.3	2.0	0.0	0.0	0.0	0.0	0.0
40°	2546.1	100.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1362.8	67.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	803.8	40.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	448.8	16.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	161.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	22.4	0.0	0.0	2.0	0.0	0.0	0.0	0.0
57.5°	2.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	2.0	4.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	4.1	4.1	2.0	0.0	0.0	0.0
67.5°	0.0	2.0	4.1	4.1	2.0	0.0	0.0	0.0
70°	0.0	2.0	4.1	4.1	2.0	0.0	0.0	0.0
72.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
75°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
77.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
80°	0.0	2.0	4.1	6.1	2.0	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°
82.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
85°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
87.5°	0.0	2.0	4.1	6.1	2.0	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)