

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: P1308451

Luminaire Tested: P3SQAS24R309030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308451
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: P3SQAS24R309030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

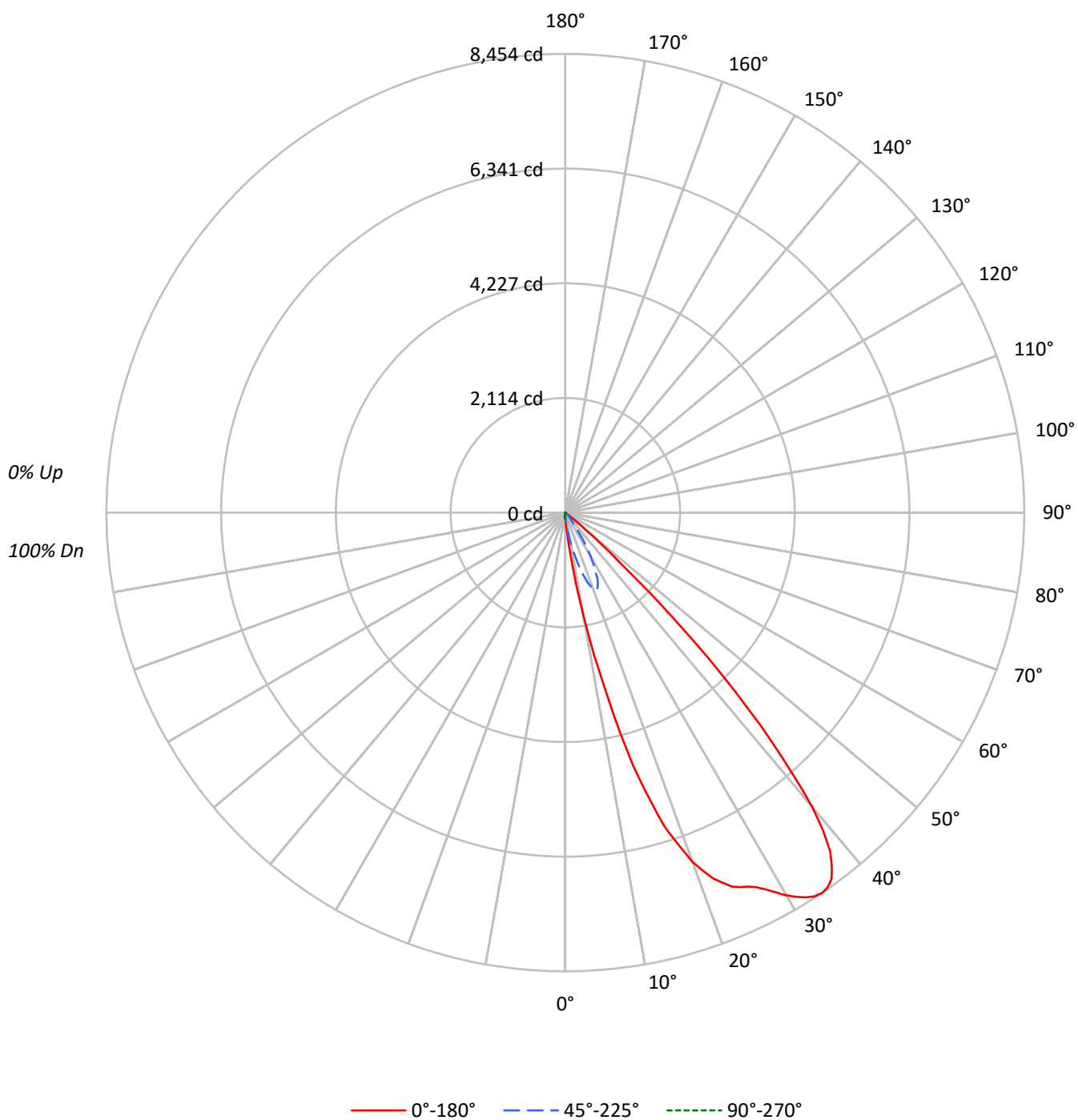
Lumens per Lamp: N/A
Luminaire Lumens: 2035.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	18755	18755	18755	18755	18755
5°	68011	42252	17167	6933	4944
10°	336643	101203	13361	1329	0
15°	858754	192722	8505	0	0
20°	1254777	274052	3501	0	0
25°	1447604	268907	722	0	0
30°	1620138	184567	0	0	0
35°	1771882	79494	0	0	0
40°	1590314	30913	0	0	0
45°	812125	12568	0	0	0
50°	125365	1527	0	0	0
55°	7446	0	570	0	0
60°	0	0	654	0	0
65°	0	0	1549	0	0
70°	0	957	1913	0	0
75°	0	1264	3793	0	0
80°	0	1884	5653	0	0
85°	0	3754	11263	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 812125 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	1.1
10°-20°	271.1	13.3
20°-30°	670.1	32.9
30°-40°	770.6	37.9
40°-50°	285.8	14.0
50°-60°	10.4	0.5
60°-70°	1.0	0.0
70°-80°	1.7	0.1
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°	963.9	47.4
0°-40°	1734.5	85.2
0°-60°	2030.7	99.8
0°-90°	2035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	109	109	109	109	109	
5°	393	244	99	40	29	85
15°	4816	1081	48	0	0	1385
25°	7618	1415	4	0	0	3520
35°	8428	378	0	0	0	5109
45°	3334	52	0	0	0	2597
55°	25	0	2	0	0	85
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°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
2.5°	192.9	194.8	194.8	189.1	187.2	185.2	179.5	162.3	135.6	108.9	87.8
5°	393.4	395.3	395.3	383.9	360.9	338.0	318.9	244.4	156.6	99.3	64.9
7.5°	928.1	930.0	889.9	844.1	752.4	704.7	616.8	376.2	177.6	89.8	42.0
10°	1925.0	1883.0	1778.0	1644.3	1503.0	1319.6	1134.4	578.7	192.9	76.4	26.7
12.5°	3217.9	3177.8	3042.2	2851.2	2574.3	2215.3	1863.9	813.5	194.8	61.1	15.3
15°	4816.4	4703.7	4541.4	4224.3	3815.7	3259.9	2679.4	1080.9	187.2	47.7	3.8
17.5°	6055.8	5952.6	5746.4	5375.9	4867.9	4251.1	3538.7	1334.9	166.1	30.6	0.0
20°	6846.4	6737.6	6544.7	6218.1	5677.6	4953.9	4138.4	1495.3	137.5	19.1	0.0
21°	7071.8	6966.7	6777.7	6453.0	5914.5	5192.6	4285.4	1529.7	124.1	15.3	0.0
22°	7270.4	7188.2	7012.6	6659.3	6111.2	5368.3	4434.4	1533.5	114.6	11.5	0.0
23°	7409.8	7350.6	7174.9	6850.2	6304.0	5511.5	4514.6	1510.6	103.1	7.6	0.0
24°	7543.5	7470.9	7320.0	7018.3	6456.8	5631.8	4587.2	1468.6	91.7	5.7	0.0
25°	7617.9	7533.9	7417.4	7134.8	6582.9	5708.2	4631.1	1415.1	80.2	3.8	0.0
26°	7669.5	7604.6	7476.6	7203.5	6636.3	5757.9	4636.8	1336.8	72.6	1.9	0.0
27°	7747.8	7682.9	7558.7	7264.6	6659.3	5750.2	4602.5	1247.1	63.0	0.0	0.0
28°	7866.2	7780.3	7656.1	7329.6	6668.8	5717.8	4526.1	1149.7	53.5	0.0	0.0
29°	8001.8	7913.9	7778.4	7415.5	6670.7	5652.8	4405.8	1042.7	47.7	0.0	0.0
30°	8146.9	8070.5	7933.0	7499.5	6691.7	5568.8	4266.4	928.1	38.2	0.0	0.0
31°	8261.5	8192.8	8045.7	7575.9	6708.9	5496.2	4094.5	813.5	32.5	0.0	0.0
32°	8360.8	8299.7	8118.3	7593.1	6674.5	5393.1	3911.1	702.8	26.7	0.0	0.0
33°	8429.6	8353.2	8141.2	7549.2	6575.2	5223.1	3706.8	597.7	21.0	0.0	0.0
34°	8454.4	8362.7	8106.8	7434.6	6374.7	4965.3	3441.3	488.9	17.2	0.0	0.0
35°	8427.7	8315.0	7982.7	7237.9	6103.5	4657.8	3122.4	378.1	13.4	0.0	0.0
36°	8341.7	8198.5	7805.1	6957.2	5715.8	4295.0	2803.5	294.1	9.5	0.0	0.0
37°	8156.5	7998.0	7501.4	6586.7	5332.0	3878.7	2440.6	229.2	5.7	0.0	0.0
38°	7929.2	7700.1	7096.6	6118.8	4835.5	3410.8	2081.6	189.1	3.8	0.0	0.0
39°	7541.5	7289.5	6615.3	5580.3	4348.5	2965.8	1732.1	164.2	1.9	0.0	0.0
40°	7073.7	6773.8	6065.3	5003.5	3773.6	2499.8	1445.7	137.5	1.9	0.0	0.0
42.5°	5335.8	5081.8	4319.8	3403.2	2307.0	1474.3	802.1	89.8	0.0	0.0	0.0
45°	3334.4	3068.9	2553.3	1865.8	1249.0	763.9	385.8	51.6	0.0	0.0	0.0
47.5°	1361.6	1249.0	1027.4	790.6	565.3	359.0	160.4	22.9	0.0	0.0	0.0
50°	467.9	416.3	349.5	255.9	181.4	124.1	84.0	5.7	0.0	0.0	0.0
52.5°	135.6	137.5	120.3	103.1	80.2	57.3	42.0	0.0	0.0	0.0	0.0
55°	24.8	21.0	24.8	22.9	24.8	21.0	15.3	0.0	0.0	1.9	0.0
57.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	1.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	3.8	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9



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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	1.9	3.8	5.7	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	1.9
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°	108.9	108.9	108.9
2.5°	70.7	63.0	59.2
5°	40.1	30.6	28.6
7.5°	21.0	13.4	11.5
10°	7.6	1.9	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)