

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: P1311799

Luminaire Tested: P3SQAS24R409050D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409050D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

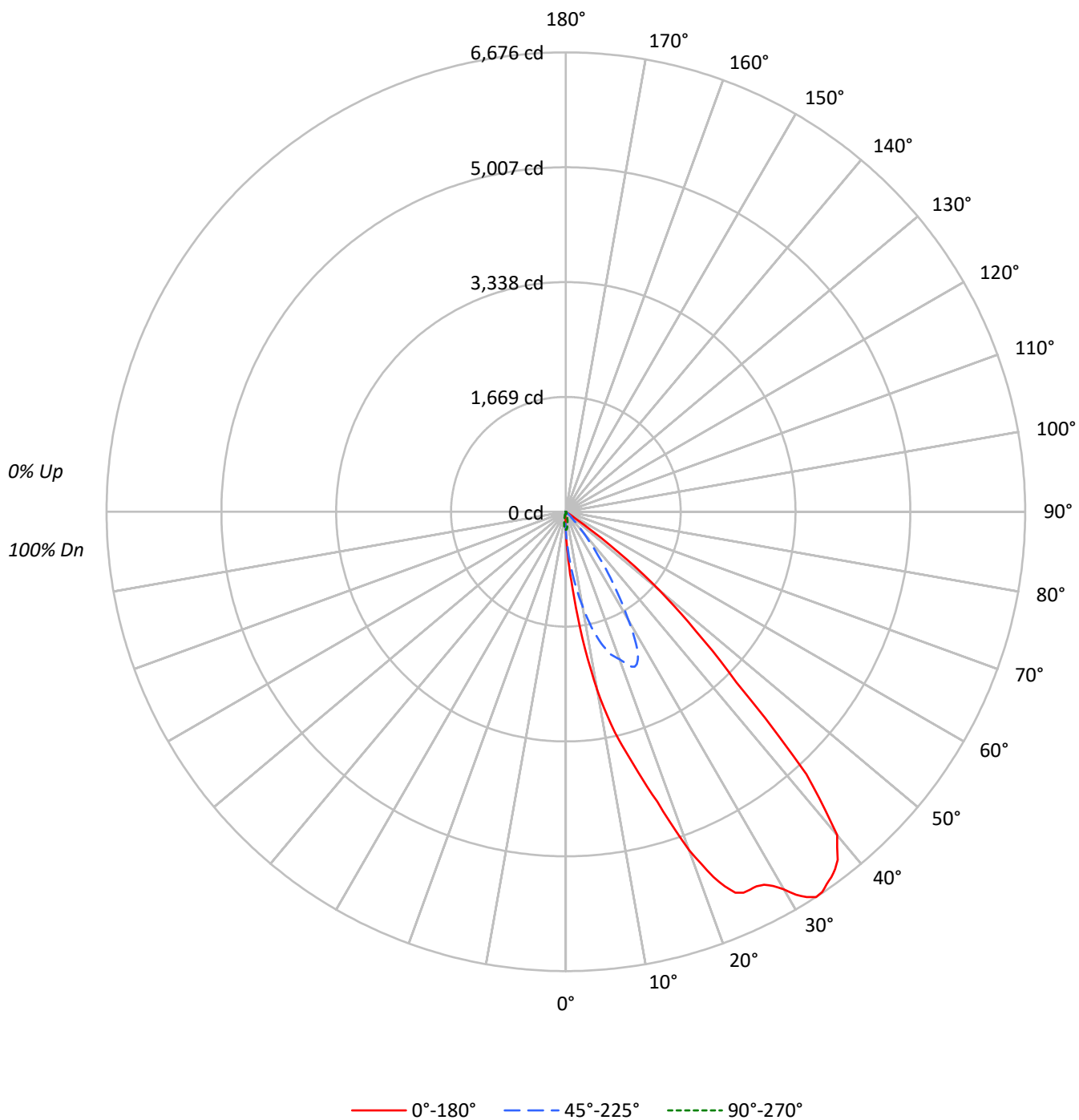
Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78		84	81	77		82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	45140	45140	45140	45140	45140
5°	191603	130594	39607	7140	3561
10°	460545	242908	24536	717	0
15°	677818	352887	10306	0	0
20°	958109	418345	3775	0	0
25°	1160474	464349	0	0	0
30°	1260012	363228	0	0	0
35°	1389383	212621	0	0	0
40°	1378983	86309	0	0	0
45°	854042	25135	0	0	0
50°	475550	563	0	0	0
55°	46480	0	0	0	0
60°	0	0	723	0	0
65°	0	0	856	0	0
70°	0	1057	2065	0	0
75°	0	1397	2728	0	0
80°	0	2083	4066	0	0
85°	0	4150	8102	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 858060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	2.2
10°-20°	288.9	12.9
20°-30°	659.4	29.4
30°-40°	778.6	34.7
40°-50°	416.0	18.6
50°-60°	45.2	2.0
60°-70°	0.9	0.0
70°-80°	1.6	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°	997.3	44.5
0°-40°	1775.9	79.2
0°-60°	2237.0	99.8
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	1108	755	229	41	21	156
15°	3802	1979	58	0	0	1129
25°	6107	2444	0	0	0	2773
35°	6608	1011	0	0	0	4082
45°	3506	103	0	0	0	2891
55°	155	0	0	0	0	434
65°	0	0	2	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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	610.9	598.5	606.8	590.3	590.3	553.1	555.2	524.2	478.8	365.3	260.0
5°	1108.3	1157.8	1118.6	1067.0	1038.1	1001.0	951.4	899.8	755.4	456.1	229.1
7.5°	1855.4	1851.3	1785.2	1729.5	1665.5	1566.5	1473.6	1347.7	1075.3	522.2	189.9
10°	2633.5	2619.0	2544.7	2497.2	2375.5	2233.1	2043.2	1840.9	1389.0	544.9	140.3
12.5°	3281.5	3262.9	3201.0	3120.5	2986.4	2806.8	2602.5	2336.3	1719.2	520.1	90.8
15°	3801.6	3797.5	3737.6	3628.2	3487.9	3312.5	3081.3	2761.4	1979.2	456.1	57.8
17.5°	4418.7	4443.4	4336.1	4218.5	4016.2	3770.6	3487.9	3122.6	2171.2	377.7	37.1
20°	5227.7	5192.6	5093.5	4922.2	4728.2	4433.1	4032.7	3510.6	2282.6	293.1	20.6
21°	5475.4	5460.9	5357.7	5198.8	4984.2	4684.9	4272.1	3708.7	2334.2	262.1	16.5
22°	5727.1	5702.4	5621.9	5467.1	5264.8	4926.4	4472.3	3913.0	2400.2	229.1	10.3
23°	5914.9	5904.6	5842.7	5690.0	5481.5	5153.4	4689.0	4102.9	2445.6	198.1	6.2
24°	6059.4	6047.0	5985.1	5869.5	5690.0	5347.4	4907.8	4307.2	2464.2	171.3	2.1
25°	6106.9	6113.1	6075.9	5985.1	5834.5	5491.9	5070.8	4468.2	2443.6	146.5	0.0
26°	6108.9	6127.5	6100.7	6049.1	5925.3	5607.4	5223.6	4563.1	2389.9	123.8	0.0
27°	6108.9	6127.5	6100.7	6061.5	5939.7	5673.5	5306.1	4573.5	2307.4	105.3	0.0
28°	6137.8	6148.2	6113.1	6065.6	5933.5	5694.1	5328.8	4511.5	2175.3	90.8	0.0
29°	6218.3	6208.0	6150.2	6086.2	5927.3	5694.1	5260.7	4393.9	2010.2	76.4	0.0
30°	6336.0	6336.0	6245.2	6144.0	5956.2	5692.1	5151.3	4181.3	1826.5	61.9	0.0
31°	6494.9	6480.4	6389.6	6239.0	6018.1	5692.1	4990.4	3946.1	1657.3	53.7	0.0
32°	6602.2	6594.0	6507.3	6329.8	6119.3	5692.1	4817.0	3686.0	1473.6	43.3	0.0
33°	6676.5	6660.0	6560.9	6377.2	6181.2	5663.2	4623.0	3407.4	1308.5	35.1	0.0
34°	6666.2	6662.1	6558.9	6369.0	6168.8	5543.5	4398.0	3097.8	1155.7	28.9	0.0
35°	6608.4	6608.4	6482.5	6286.4	6080.1	5368.0	4175.1	2833.6	1011.3	20.6	0.0
36°	6565.1	6548.5	6406.1	6187.4	5931.5	5091.5	3844.9	2567.4	856.5	16.5	0.0
37°	6501.1	6470.1	6311.2	6075.9	5720.9	4792.2	3498.2	2330.1	724.4	10.3	0.0
38°	6418.5	6371.1	6177.1	5945.9	5489.8	4447.6	3145.3	2063.8	602.6	6.2	0.0
39°	6267.9	6228.7	6028.5	5778.7	5213.2	4084.3	2802.7	1814.1	487.1	2.1	0.0
40°	6133.7	6065.6	5838.6	5551.7	4889.2	3673.6	2462.2	1568.5	383.9	0.0	0.0
42.5°	5172.0	5099.7	5048.1	4763.3	3894.5	2637.6	1719.2	1005.1	200.2	0.0	0.0
45°	3506.5	3523.0	3362.0	3170.0	2569.5	1719.2	1075.3	559.3	103.2	0.0	0.0
47.5°	2557.1	2513.7	2295.0	1931.7	1506.6	1005.1	561.4	270.4	41.3	0.0	0.0
50°	1774.9	1692.3	1494.2	1221.8	819.3	478.8	247.7	125.9	2.1	0.0	0.0
52.5°	963.8	906.0	767.7	557.2	340.5	183.7	99.1	51.6	0.0	0.0	0.0
55°	154.8	107.3	111.4	94.9	74.3	53.7	31.0	6.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	2.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	4.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	4.1
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):

	112.5°	135°	157.5°	180°
0°	262.1	262.1	262.1	262.1
2.5°	175.4	119.7	90.8	78.4
5°	101.1	41.3	22.7	20.6
7.5°	49.5	14.4	8.3	8.3
10°	20.6	4.1	0.0	0.0
12.5°	6.2	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	2.1	0.0	0.0	0.0
67.5°	2.1	0.0	0.0	0.0
70°	2.1	0.0	0.0	0.0
72.5°	2.1	0.0	0.0	0.0
75°	2.1	0.0	0.0	0.0
77.5°	2.1	0.0	0.0	0.0
80°	2.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.1	0.0	0.0	0.0
85°	2.1	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)