

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: P1311602

Luminaire Tested: P3SQAS20R259050D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311602
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: P3SQAS20R259050D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

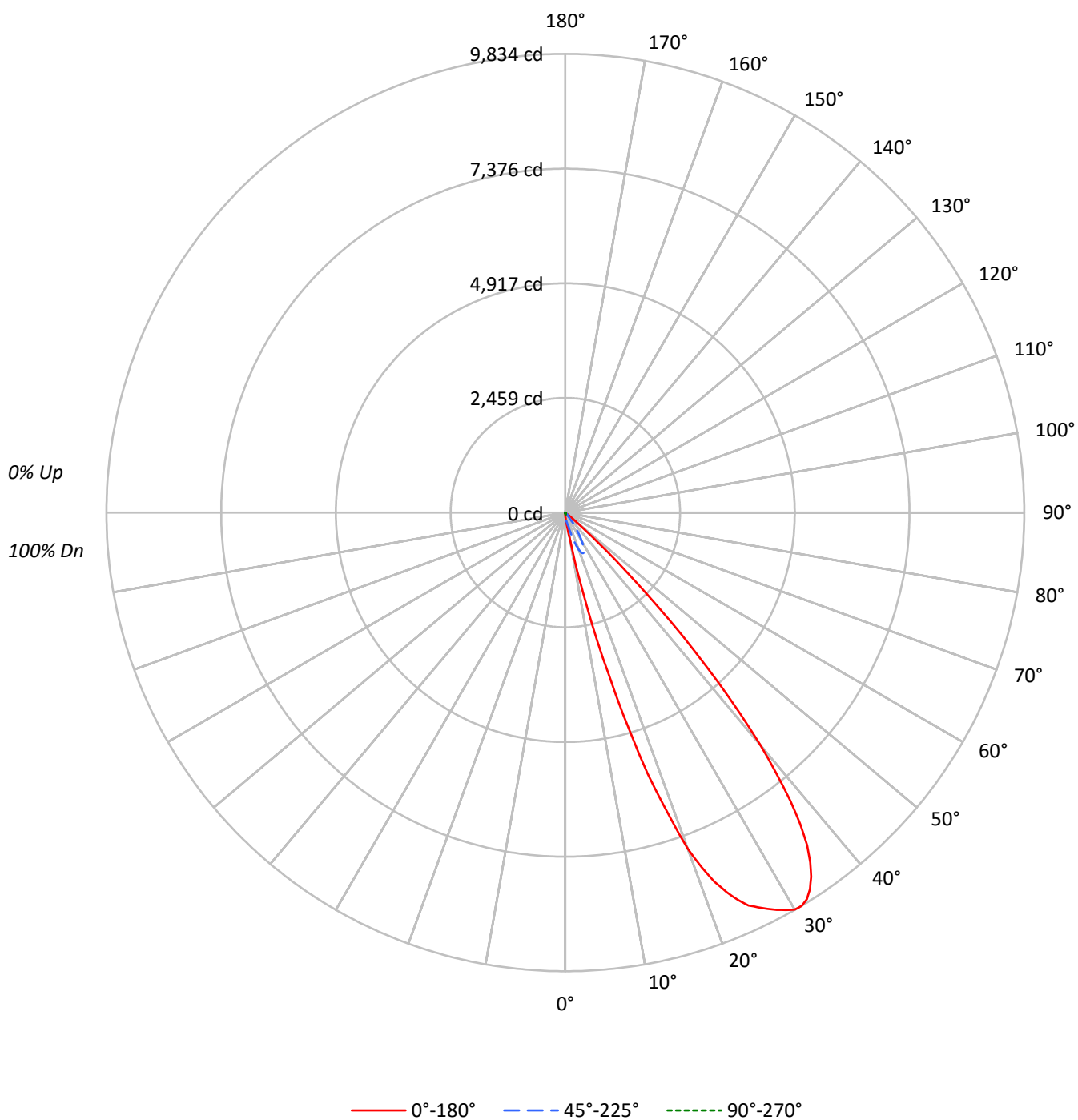
Lumens per Lamp: N/A
Luminaire Lumens: 1927.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	10488	10488	10488	10488	10488
5°	32865	22976	9578	5100	3821
10°	103616	41639	7100	647	0
15°	640714	79307	4279	0	0
20°	1404825	154593	1356	0	0
25°	1765918	177827	0	0	0
30°	1954868	137635	0	0	0
35°	1924310	78001	0	0	0
40°	1462683	20324	0	0	0
45°	592483	8987	0	0	0
50°	65777	991	0	0	0
55°	4984	0	540	0	0
60°	0	0	620	0	0
65°	0	0	1508	0	0
70°	0	906	1863	0	0
75°	0	1198	3660	0	0
80°	0	1785	5455	0	0
85°	0	3557	10868	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 592483 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.5
10°-20°	199.0	10.3
20°-30°	695.8	36.1
30°-40°	776.2	40.3
40°-50°	234.4	12.2
50°-60°	7.8	0.4
60°-70°	1.0	0.1
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°	904.3	46.9
0°-40°	1680.5	87.2
0°-60°	1922.7	99.8
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	190	133	55	30	22	29
15°	3594	445	24	0	0	1195
25°	9293	936	0	0	0	4239
35°	9153	371	0	0	0	5495
45°	2433	37	0	0	0	2101
55°	17	0	2	0	0	52
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°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
2.5°	105.2	108.9	107.0	108.9	107.0	107.0	107.0	108.9	107.0	107.0	107.0
5°	190.1	192.0	192.0	190.1	190.1	193.8	190.1	192.0	186.4	190.1	188.3
7.5°	311.9	308.2	308.2	310.1	310.1	306.4	304.5	300.8	304.5	304.5	299.0
10°	592.5	588.8	579.5	575.9	579.5	579.5	561.1	564.8	566.6	550.0	544.5
12.5°	1740.5	1727.6	1753.4	1712.8	1688.8	1650.0	1672.2	1596.5	1579.9	1568.8	1543.0
15°	3593.5	3691.4	3648.9	3652.6	3660.0	3567.7	3599.1	3484.7	3388.7	3359.1	3338.8
17.5°	5860.0	5889.6	5850.8	5832.4	5825.0	5780.7	5727.2	5669.9	5596.1	5531.5	5478.0
20°	7665.1	7643.0	7576.5	7583.9	7504.6	7463.9	7417.8	7360.6	7303.4	7209.2	7118.8
21°	8141.3	8076.7	8078.6	8034.3	8032.4	7980.7	7899.5	7840.5	7788.8	7681.7	7624.5
22°	8532.6	8517.8	8484.6	8451.4	8416.3	8390.5	8300.0	8270.5	8165.3	8076.7	7995.5
23°	8837.1	8842.7	8813.1	8791.0	8743.0	8731.9	8615.7	8575.0	8503.1	8368.3	8285.3
24°	9090.0	9080.8	9047.5	9008.8	8981.1	8955.3	8866.7	8800.2	8720.9	8610.1	8528.9
25°	9293.0	9270.9	9248.7	9219.2	9174.9	9145.4	9054.9	8981.1	8912.8	8789.1	8678.4
26°	9413.0	9418.5	9383.5	9361.3	9322.5	9293.0	9198.9	9112.1	9027.2	8894.4	8794.7
27°	9534.8	9529.3	9497.9	9464.7	9424.1	9413.0	9304.1	9213.7	9126.9	8986.6	8868.5
28°	9647.4	9632.6	9606.8	9568.0	9523.7	9490.5	9385.3	9291.2	9197.0	9047.5	8918.3
29°	9741.5	9726.8	9710.1	9660.3	9603.1	9580.9	9468.4	9353.9	9259.8	9106.6	8970.0
30°	9830.1	9802.4	9763.7	9721.2	9665.8	9623.4	9505.3	9405.6	9294.9	9125.1	8994.0
31°	9833.8	9796.9	9769.2	9724.9	9662.2	9610.5	9486.8	9385.3	9256.1	9097.4	8955.3
32°	9769.2	9750.7	9706.5	9658.5	9597.6	9545.9	9409.3	9302.2	9180.4	9010.6	8868.5
33°	9623.4	9604.9	9579.1	9529.3	9449.9	9401.9	9280.1	9162.0	9042.0	8888.8	8726.4
34°	9422.2	9400.1	9366.8	9317.0	9235.8	9186.0	9088.1	8966.3	8839.0	8680.3	8528.9
35°	9152.7	9110.3	9101.1	9027.2	8951.6	8938.6	8822.4	8695.0	8565.8	8390.5	8259.4
36°	8818.7	8768.8	8735.6	8709.8	8659.9	8599.0	8484.6	8383.1	8217.0	8104.4	7919.8
37°	8362.8	8301.9	8333.3	8263.1	8185.6	8159.8	8014.0	7921.7	7781.4	7628.2	7471.3
38°	7831.2	7825.7	7818.3	7786.9	7654.1	7585.8	7524.9	7427.0	7305.2	7120.6	6908.4
39°	7159.4	7170.5	7131.7	7135.4	7069.0	7000.7	6915.8	6805.0	6657.4	6489.4	6317.8
40°	6506.0	6349.2	6376.8	6282.7	6288.2	6186.7	6076.0	5978.2	5884.0	5736.4	5502.0
42.5°	4501.6	4477.6	4394.6	4335.5	4361.4	4230.3	4084.5	3947.9	3816.9	3650.8	3445.9
45°	2432.6	2377.2	2393.9	2297.9	2297.9	2238.8	2198.2	2083.8	1962.0	1886.3	1768.2
47.5°	904.4	915.5	935.8	897.0	852.7	878.5	839.8	839.8	819.5	795.5	762.3
50°	245.5	249.2	245.5	245.5	239.9	236.2	228.9	227.0	225.2	219.6	210.4
52.5°	99.7	94.1	94.1	96.0	96.0	92.3	94.1	94.1	92.3	90.4	90.4
55°	16.6	18.5	18.5	18.5	18.5	16.6	16.6	18.5	20.3	18.5	18.5
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°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
2.5°	103.4	90.4	75.7	62.8	49.8	42.5	38.8	40.6
5°	175.3	132.9	86.7	55.4	38.8	29.5	24.0	22.1
7.5°	269.5	182.7	97.8	48.0	29.5	14.8	9.2	7.4
10°	413.4	238.1	105.2	40.6	18.5	3.7	0.0	0.0
12.5°	1061.3	291.6	107.0	33.2	7.4	0.0	0.0	0.0
15°	2181.6	444.8	103.4	24.0	1.8	0.0	0.0	0.0
17.5°	3626.8	681.1	90.4	16.6	0.0	0.0	0.0	0.0
20°	5031.3	843.5	72.0	7.4	0.0	0.0	0.0	0.0
21°	5454.0	891.5	64.6	5.5	0.0	0.0	0.0	0.0
22°	5799.1	926.5	57.2	3.7	0.0	0.0	0.0	0.0
23°	6087.1	945.0	49.8	1.8	0.0	0.0	0.0	0.0
24°	6288.2	948.7	46.1	1.8	0.0	0.0	0.0	0.0
25°	6384.2	935.8	40.6	0.0	0.0	0.0	0.0	0.0
26°	6421.1	909.9	36.9	0.0	0.0	0.0	0.0	0.0
27°	6393.4	876.7	33.2	0.0	0.0	0.0	0.0	0.0
28°	6343.6	826.9	27.7	0.0	0.0	0.0	0.0	0.0
29°	6245.8	760.4	24.0	0.0	0.0	0.0	0.0	0.0
30°	6151.7	692.1	20.3	0.0	0.0	0.0	0.0	0.0
31°	6044.6	631.2	16.6	0.0	0.0	0.0	0.0	0.0
32°	5913.6	561.1	12.9	0.0	0.0	0.0	0.0	0.0
33°	5695.8	496.5	9.2	0.0	0.0	0.0	0.0	0.0
34°	5391.2	435.6	7.4	0.0	0.0	0.0	0.0	0.0
35°	4983.3	371.0	5.5	0.0	0.0	0.0	0.0	0.0
36°	4536.7	302.7	3.7	0.0	0.0	0.0	0.0	0.0
37°	3990.4	219.6	3.7	0.0	0.0	0.0	0.0	0.0
38°	3420.1	138.4	1.8	0.0	0.0	0.0	0.0	0.0
39°	2836.8	105.2	1.8	0.0	0.0	0.0	0.0	0.0
40°	2303.4	90.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1232.9	60.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	727.2	36.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	406.1	14.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	145.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	20.3	0.0	0.0	1.8	0.0	0.0	0.0	0.0
57.5°	1.8	0.0	1.8	1.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.8	3.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.7	3.7	1.8	0.0	0.0	0.0
67.5°	0.0	1.8	3.7	3.7	1.8	0.0	0.0	0.0
70°	0.0	1.8	3.7	3.7	1.8	0.0	0.0	0.0
72.5°	0.0	1.8	3.7	5.5	1.8	0.0	0.0	0.0
75°	0.0	1.8	3.7	5.5	1.8	0.0	0.0	0.0
77.5°	0.0	1.8	3.7	5.5	1.8	0.0	0.0	0.0
80°	0.0	1.8	3.7	5.5	1.8	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	1.8	3.7	5.5	1.8	0.0	0.0	0.0
85°	0.0	1.8	3.7	5.5	1.8	0.0	0.0	0.0
87.5°	0.0	1.8	3.7	5.5	1.8	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)