

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: P1310671

Luminaire Tested: P3SQAS24R259040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310671
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: P3SQAS24R259040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

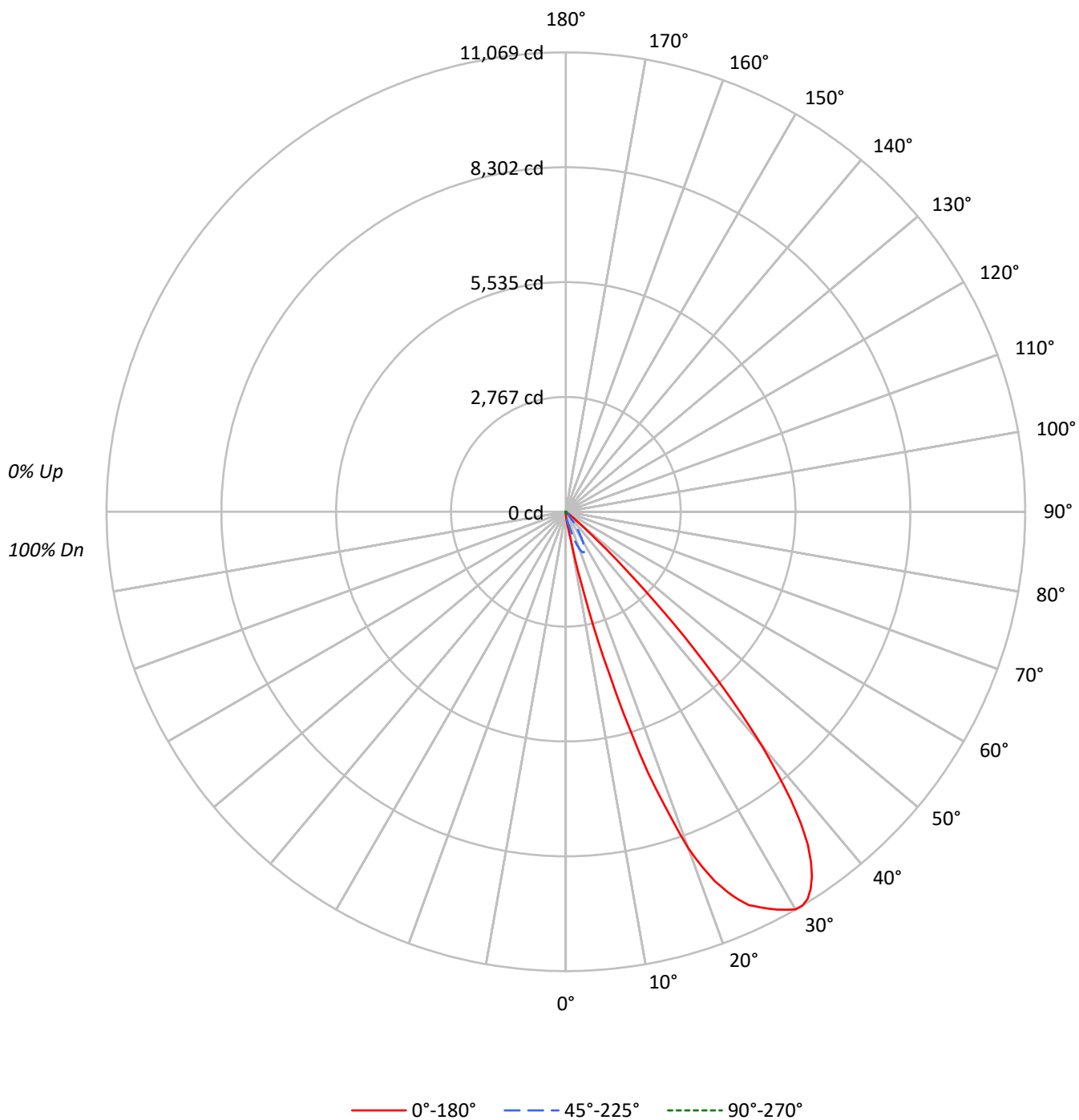
Lumens per Lamp: N/A
Luminaire Lumens: 2169.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	11814	11814	11814	11814	11814
5°	36996	25863	10770	5740	4305
10°	116627	46868	7992	734	0
15°	721180	89274	4814	0	0
20°	1581246	174002	1521	0	0
25°	1987698	200155	0	0	0
30°	2200368	154936	0	0	0
35°	2165986	87798	0	0	0
40°	1646384	22887	0	0	0
45°	666891	10108	0	0	0
50°	74029	1125	0	0	0
55°	5615	0	631	0	0
60°	0	0	723	0	0
65°	0	0	1712	0	0
70°	0	1057	2115	0	0
75°	0	1397	4126	0	0
80°	0	2083	6149	0	0
85°	0	4150	12251	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 666891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.5
10°-20°	224.0	10.3
20°-30°	783.1	36.1
30°-40°	873.6	40.3
40°-50°	263.9	12.2
50°-60°	8.8	0.4
60°-70°	1.2	0.1
70°-80°	1.9	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°	1017.9	46.9
0°-40°	1891.5	87.2
0°-60°	2164.2	99.8
0°-90°	2169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2169.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	214	150	62	33	25	33
15°	4045	501	27	0	0	1345
25°	10460	1053	0	0	0	4772
35°	10302	418	0	0	0	6185
45°	2738	42	0	0	0	2365
55°	19	0	2	0	0	58
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°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	118.4	122.6	120.5	122.6	120.5	120.5	120.5	122.6	120.5	120.5	120.5
5°	214.0	216.1	216.1	214.0	214.0	218.1	214.0	216.1	209.8	214.0	211.9
7.5°	351.1	346.9	346.9	349.0	349.0	344.9	342.8	338.6	342.8	342.8	336.6
10°	666.9	662.7	652.3	648.2	652.3	652.3	631.6	635.7	637.8	619.1	612.9
12.5°	1959.1	1944.5	1973.6	1927.9	1900.9	1857.3	1882.2	1797.0	1778.3	1765.9	1736.8
15°	4044.8	4154.9	4107.2	4111.3	4119.6	4015.8	4051.1	3922.3	3814.2	3781.0	3758.1
17.5°	6596.0	6629.2	6585.6	6564.8	6556.5	6506.6	6446.4	6382.0	6298.9	6226.2	6165.9
20°	8627.7	8602.8	8528.0	8536.3	8447.0	8401.3	8349.4	8285.0	8220.6	8114.6	8012.8
21°	9163.7	9091.0	9093.1	9043.2	9041.2	8983.0	8891.6	8825.1	8766.9	8646.4	8582.0
22°	9604.2	9587.5	9550.1	9512.7	9473.3	9444.2	9342.4	9309.2	9190.7	9091.0	8999.6
23°	9946.9	9953.2	9919.9	9895.0	9841.0	9828.5	9697.6	9651.9	9570.9	9419.3	9325.8
24°	10231.5	10221.2	10183.8	10140.1	10109.0	10079.9	9980.2	9905.4	9816.1	9691.4	9600.0
25°	10460.1	10435.1	10410.2	10377.0	10327.1	10293.9	10192.1	10109.0	10032.1	9892.9	9768.3
26°	10595.1	10601.3	10561.9	10536.9	10493.3	10460.1	10354.1	10256.5	10160.9	10011.3	9899.2
27°	10732.2	10726.0	10690.7	10653.3	10607.6	10595.1	10472.5	10370.7	10273.1	10115.2	9982.3
28°	10858.9	10842.3	10813.2	10769.6	10719.8	10682.4	10563.9	10458.0	10352.0	10183.8	10038.3
29°	10964.9	10948.3	10929.6	10873.5	10809.1	10784.2	10657.4	10528.6	10422.7	10250.2	10096.5
30°	11064.6	11033.5	10989.8	10942.0	10879.7	10831.9	10699.0	10586.8	10462.1	10271.0	10123.5
31°	11068.8	11027.2	10996.1	10946.2	10875.6	10817.4	10678.2	10563.9	10418.5	10239.9	10079.9
32°	10996.1	10975.3	10925.4	10871.4	10802.9	10744.7	10591.0	10470.5	10333.3	10142.2	9982.3
33°	10831.9	10811.2	10782.1	10726.0	10636.7	10582.6	10445.5	10312.6	10177.5	10005.1	9822.3
34°	10605.5	10580.6	10543.2	10487.1	10395.7	10339.6	10229.5	10092.4	9949.0	9770.4	9600.0
35°	10302.2	10254.4	10244.0	10160.9	10075.7	10061.2	9930.3	9787.0	9641.5	9444.2	9296.7
36°	9926.2	9870.1	9832.7	9803.6	9747.5	9678.9	9550.1	9435.9	9248.9	9122.2	8914.4
37°	9413.0	9344.5	9379.8	9300.8	9213.6	9184.5	9020.4	8916.5	8758.6	8586.2	8409.6
38°	8814.7	8808.5	8800.2	8764.9	8615.3	8538.4	8469.9	8359.7	8222.6	8014.9	7776.0
39°	8058.5	8071.0	8027.4	8031.5	7956.7	7879.9	7784.3	7659.6	7493.4	7304.4	7111.2
40°	7323.1	7146.5	7177.7	7071.7	7077.9	6963.7	6839.0	6728.9	6623.0	6456.8	6192.9
42.5°	5067.0	5039.9	4946.5	4880.0	4909.1	4761.6	4597.4	4443.7	4296.2	4109.2	3878.6
45°	2738.1	2675.8	2694.5	2586.5	2586.5	2520.0	2474.3	2345.5	2208.4	2123.2	1990.2
47.5°	1018.0	1030.4	1053.3	1009.7	959.8	988.9	945.2	945.2	922.4	895.4	858.0
50°	276.3	280.5	276.3	276.3	270.1	265.9	257.6	255.5	253.5	247.2	236.8
52.5°	112.2	106.0	106.0	108.0	108.0	103.9	106.0	106.0	103.9	101.8	101.8
55°	18.7	20.8	20.8	20.8	20.8	18.7	18.7	20.8	22.9	20.8	20.8
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°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	116.3	101.8	85.2	70.6	56.1	47.8	43.6	45.7
5°	197.4	149.6	97.6	62.3	43.6	33.2	27.0	24.9
7.5°	303.3	205.7	110.1	54.0	33.2	16.6	10.4	8.3
10°	465.4	268.0	118.4	45.7	20.8	4.2	0.0	0.0
12.5°	1194.5	328.2	120.5	37.4	8.3	0.0	0.0	0.0
15°	2455.6	500.7	116.3	27.0	2.1	0.0	0.0	0.0
17.5°	4082.2	766.6	101.8	18.7	0.0	0.0	0.0	0.0
20°	5663.2	949.4	81.0	8.3	0.0	0.0	0.0	0.0
21°	6138.9	1003.4	72.7	6.2	0.0	0.0	0.0	0.0
22°	6527.4	1042.9	64.4	4.2	0.0	0.0	0.0	0.0
23°	6851.5	1063.7	56.1	2.1	0.0	0.0	0.0	0.0
24°	7077.9	1067.8	51.9	2.1	0.0	0.0	0.0	0.0
25°	7186.0	1053.3	45.7	0.0	0.0	0.0	0.0	0.0
26°	7227.5	1024.2	41.5	0.0	0.0	0.0	0.0	0.0
27°	7196.4	986.8	37.4	0.0	0.0	0.0	0.0	0.0
28°	7140.3	930.7	31.2	0.0	0.0	0.0	0.0	0.0
29°	7030.2	855.9	27.0	0.0	0.0	0.0	0.0	0.0
30°	6924.2	779.1	22.9	0.0	0.0	0.0	0.0	0.0
31°	6803.7	710.5	18.7	0.0	0.0	0.0	0.0	0.0
32°	6656.2	631.6	14.5	0.0	0.0	0.0	0.0	0.0
33°	6411.1	558.8	10.4	0.0	0.0	0.0	0.0	0.0
34°	6068.3	490.3	8.3	0.0	0.0	0.0	0.0	0.0
35°	5609.2	417.6	6.2	0.0	0.0	0.0	0.0	0.0
36°	5106.4	340.7	4.2	0.0	0.0	0.0	0.0	0.0
37°	4491.5	247.2	4.2	0.0	0.0	0.0	0.0	0.0
38°	3849.6	155.8	2.1	0.0	0.0	0.0	0.0	0.0
39°	3193.1	118.4	2.1	0.0	0.0	0.0	0.0	0.0
40°	2592.7	101.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1387.8	68.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	818.5	41.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	457.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	164.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	64.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	22.9	0.0	0.0	2.1	0.0	0.0	0.0	0.0
57.5°	2.1	0.0	2.1	2.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	2.1	4.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	4.2	4.2	2.1	0.0	0.0	0.0
67.5°	0.0	2.1	4.2	4.2	2.1	0.0	0.0	0.0
70°	0.0	2.1	4.2	4.2	2.1	0.0	0.0	0.0
72.5°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
75°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
77.5°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
80°	0.0	2.1	4.2	6.2	2.1	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	2.1	4.2	6.2	2.1	0.0	0.0	0.0
85°	0.0	2.1	4.2	6.2	2.1	0.0	0.0	0.0
87.5°	0.0	2.1	4.2	6.2	2.1	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)