

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: P1311747

Luminaire Tested: P3SQAS24R259050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311747
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: P3SQAS24R259050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

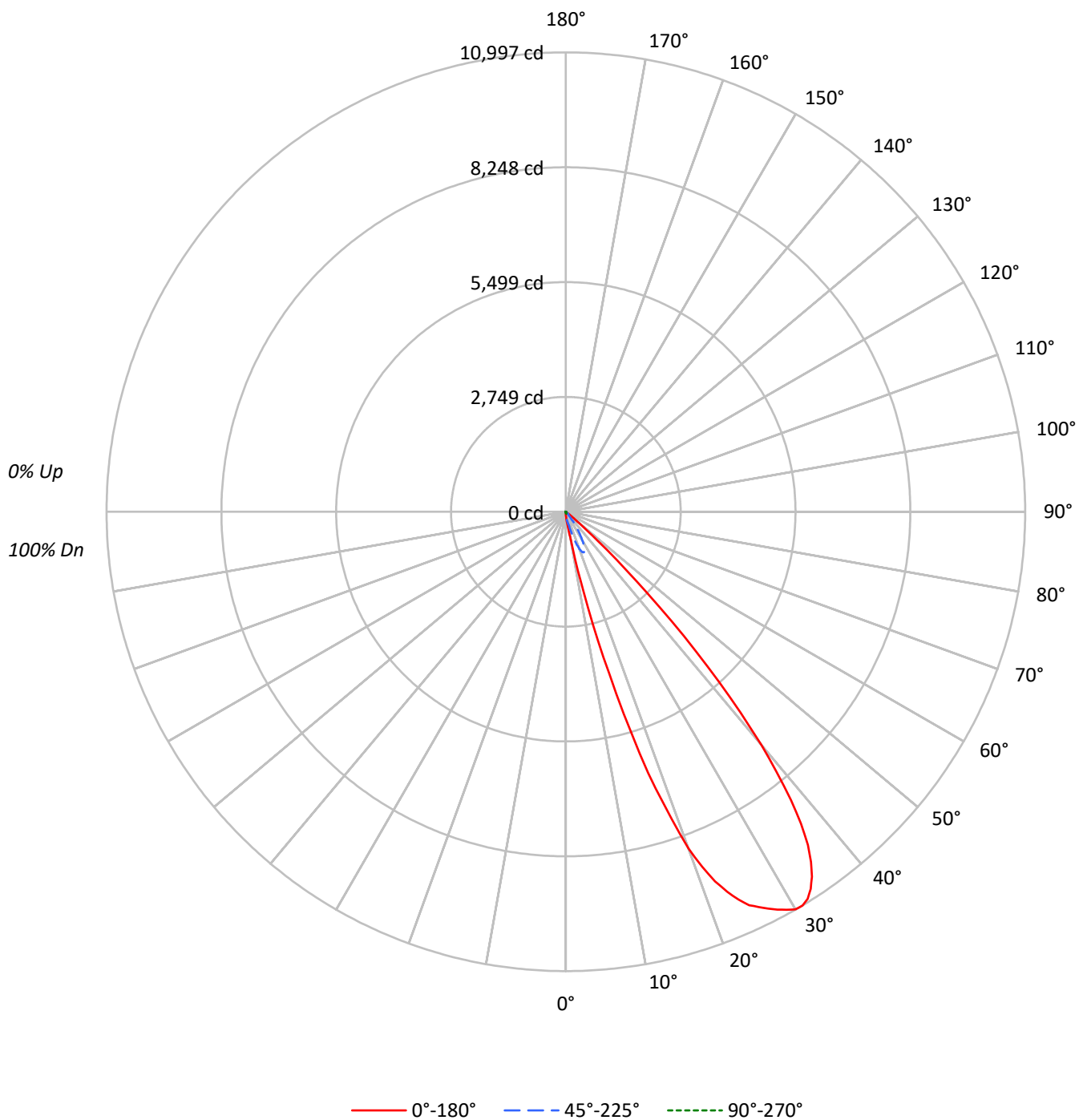
Lumens per Lamp: N/A
Luminaire Lumens: 2155.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	11728	11728	11728	11728	11728
5°	36754	25690	10701	5705	4287
10°	115875	46570	7940	717	0
15°	716526	88685	4778	0	0
20°	1571056	172884	1521	0	0
25°	1974871	198863	0	0	0
30°	2186169	153922	0	0	0
35°	2152005	87231	0	0	0
40°	1635750	22729	0	0	0
45°	662580	10059	0	0	0
50°	73547	1099	0	0	0
55°	5585	0	631	0	0
60°	0	0	723	0	0
65°	0	0	1671	0	0
70°	0	1057	2065	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: 662580 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.5
10°-20°	222.6	10.3
20°-30°	778.1	36.1
30°-40°	868.0	40.3
40°-50°	262.2	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°	1011.3	46.9
0°-40°	1879.3	87.2
0°-60°	2150.2	99.8
0°-90°	2155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2155.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	213	149	62	33	25	33
15°	4019	497	27	0	0	1336
25°	10393	1046	0	0	0	4741
35°	10236	415	0	0	0	6145
45°	2720	41	0	0	0	2350
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°	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
2.5°	117.7	121.8	119.7	121.8	119.7	119.7	119.7	121.8	119.7	119.7	119.7
5°	212.6	214.7	214.7	212.6	212.6	216.7	212.6	214.7	208.5	212.6	210.5
7.5°	348.8	344.7	344.7	346.8	346.8	342.6	340.6	336.4	340.6	340.6	334.4
10°	662.6	658.4	648.1	644.0	648.1	648.1	627.5	631.6	633.7	615.1	608.9
12.5°	1946.4	1932.0	1960.9	1915.5	1888.6	1845.3	1870.0	1785.4	1766.8	1754.5	1725.6
15°	4018.7	4128.1	4080.7	4084.8	4093.0	3989.8	4024.9	3897.0	3789.6	3756.6	3733.9
17.5°	6553.4	6586.4	6543.1	6522.4	6514.2	6464.6	6404.8	6340.8	6258.2	6186.0	6126.1
20°	8572.1	8547.3	8473.0	8481.2	8392.5	8347.1	8295.5	8231.5	8167.5	8062.2	7961.1
21°	9104.6	9032.3	9034.4	8984.9	8982.8	8925.0	8834.2	8768.1	8710.3	8590.6	8526.6
22°	9542.2	9525.6	9488.5	9451.3	9412.1	9383.2	9282.1	9249.1	9131.4	9032.3	8941.5
23°	9882.7	9888.9	9855.9	9831.1	9777.5	9765.1	9635.0	9589.6	9509.1	9358.5	9265.6
24°	10165.5	10155.2	10118.0	10074.7	10043.7	10014.8	9915.8	9841.5	9752.7	9628.9	9538.0
25°	10392.6	10367.8	10343.0	10310.0	10260.5	10227.4	10126.3	10043.7	9967.4	9829.1	9705.2
26°	10526.7	10532.9	10493.7	10468.9	10425.6	10392.6	10287.3	10190.3	10095.3	9946.7	9835.3
27°	10662.9	10656.8	10621.7	10584.5	10539.1	10526.7	10404.9	10303.8	10206.8	10049.9	9917.8
28°	10788.9	10772.3	10743.4	10700.1	10650.6	10613.4	10495.8	10390.5	10285.2	10118.0	9973.6
29°	10894.1	10877.6	10859.0	10803.3	10739.3	10714.5	10588.6	10460.7	10355.4	10184.1	10031.3
30°	10993.2	10962.2	10918.9	10871.4	10809.5	10762.0	10629.9	10518.5	10394.6	10204.7	10058.2
31°	10997.3	10956.0	10925.1	10875.5	10805.4	10747.6	10609.3	10495.8	10351.3	10173.8	10014.8
32°	10925.1	10904.4	10854.9	10801.2	10733.1	10675.3	10522.6	10402.9	10266.6	10076.8	9917.8
33°	10762.0	10741.4	10712.5	10656.8	10568.0	10514.3	10378.1	10246.0	10111.8	9940.5	9758.9
34°	10537.0	10512.3	10475.1	10419.4	10328.6	10272.8	10163.4	10027.2	9884.8	9707.3	9538.0
35°	10235.7	10188.2	10177.9	10095.3	10010.7	9996.3	9866.2	9723.8	9579.3	9383.2	9236.7
36°	9862.1	9806.4	9769.2	9740.3	9684.6	9616.5	9488.5	9375.0	9189.2	9063.3	8856.9
37°	9352.3	9284.2	9319.2	9240.8	9154.1	9125.2	8962.2	8859.0	8702.1	8530.8	8355.3
38°	8757.8	8751.6	8743.4	8708.3	8559.7	8483.3	8415.2	8305.8	8169.6	7963.2	7725.8
39°	8006.5	8018.9	7975.5	7979.7	7905.4	7829.0	7734.0	7610.2	7445.1	7257.2	7065.3
40°	7275.8	7100.4	7131.3	7026.1	7032.3	6918.7	6794.9	6685.5	6580.2	6415.1	6153.0
42.5°	5034.2	5007.4	4914.5	4848.5	4877.4	4730.8	4567.8	4415.0	4268.5	4082.7	3853.6
45°	2720.4	2658.5	2677.1	2569.8	2569.8	2503.7	2458.3	2330.3	2194.1	2109.5	1977.4
47.5°	1011.4	1023.8	1046.5	1003.1	953.6	982.5	939.1	939.1	916.4	889.6	852.5
50°	274.5	278.6	274.5	274.5	268.3	264.2	255.9	253.9	251.8	245.6	235.3
52.5°	111.5	105.3	105.3	107.3	107.3	103.2	105.3	105.3	103.2	101.1	101.1
55°	18.6	20.6	20.6	20.6	20.6	18.6	18.6	20.6	22.7	20.6	20.6
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°	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
2.5°	115.6	101.1	84.6	70.2	55.7	47.5	43.3	45.4
5°	196.1	148.6	97.0	61.9	43.3	33.0	26.8	24.8
7.5°	301.4	204.3	109.4	53.7	33.0	16.5	10.3	8.3
10°	462.4	266.3	117.7	45.4	20.6	4.1	0.0	0.0
12.5°	1186.8	326.1	119.7	37.2	8.3	0.0	0.0	0.0
15°	2439.7	497.4	115.6	26.8	2.1	0.0	0.0	0.0
17.5°	4055.9	761.6	101.1	18.6	0.0	0.0	0.0	0.0
20°	5626.6	943.3	80.5	8.3	0.0	0.0	0.0	0.0
21°	6099.3	996.9	72.2	6.2	0.0	0.0	0.0	0.0
22°	6485.3	1036.2	64.0	4.1	0.0	0.0	0.0	0.0
23°	6807.3	1056.8	55.7	2.1	0.0	0.0	0.0	0.0
24°	7032.3	1060.9	51.6	2.1	0.0	0.0	0.0	0.0
25°	7139.6	1046.5	45.4	0.0	0.0	0.0	0.0	0.0
26°	7180.9	1017.6	41.3	0.0	0.0	0.0	0.0	0.0
27°	7149.9	980.4	37.2	0.0	0.0	0.0	0.0	0.0
28°	7094.2	924.7	31.0	0.0	0.0	0.0	0.0	0.0
29°	6984.8	850.4	26.8	0.0	0.0	0.0	0.0	0.0
30°	6879.5	774.0	22.7	0.0	0.0	0.0	0.0	0.0
31°	6759.8	705.9	18.6	0.0	0.0	0.0	0.0	0.0
32°	6613.3	627.5	14.4	0.0	0.0	0.0	0.0	0.0
33°	6369.7	555.2	10.3	0.0	0.0	0.0	0.0	0.0
34°	6029.1	487.1	8.3	0.0	0.0	0.0	0.0	0.0
35°	5573.0	414.9	6.2	0.0	0.0	0.0	0.0	0.0
36°	5073.5	338.5	4.1	0.0	0.0	0.0	0.0	0.0
37°	4462.5	245.6	4.1	0.0	0.0	0.0	0.0	0.0
38°	3824.7	154.8	2.1	0.0	0.0	0.0	0.0	0.0
39°	3172.5	117.7	2.1	0.0	0.0	0.0	0.0	0.0
40°	2576.0	101.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1378.8	68.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	813.2	41.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	454.1	16.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	163.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	22.7	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	4.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	4.1	4.1	2.1	0.0	0.0	0.0
67.5°	0.0	2.1	4.1	4.1	2.1	0.0	0.0	0.0
70°	0.0	2.1	4.1	4.1	2.1	0.0	0.0	0.0
72.5°	0.0	2.1	4.1	6.2	2.1	0.0	0.0	0.0
75°	0.0	2.1	4.1	6.2	2.1	0.0	0.0	0.0
77.5°	0.0	2.1	4.1	6.2	2.1	0.0	0.0	0.0
80°	0.0	2.1	4.1	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	4.1	6.2	2.1	0.0	0.0	0.0
85°	0.0	2.1	4.1	6.2	2.1	0.0	0.0	0.0
87.5°	0.0	2.1	4.1	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)