

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: P1318263

Luminaire Tested: P3SQAS20R259835D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318263
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: P3SQAS20R259835D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

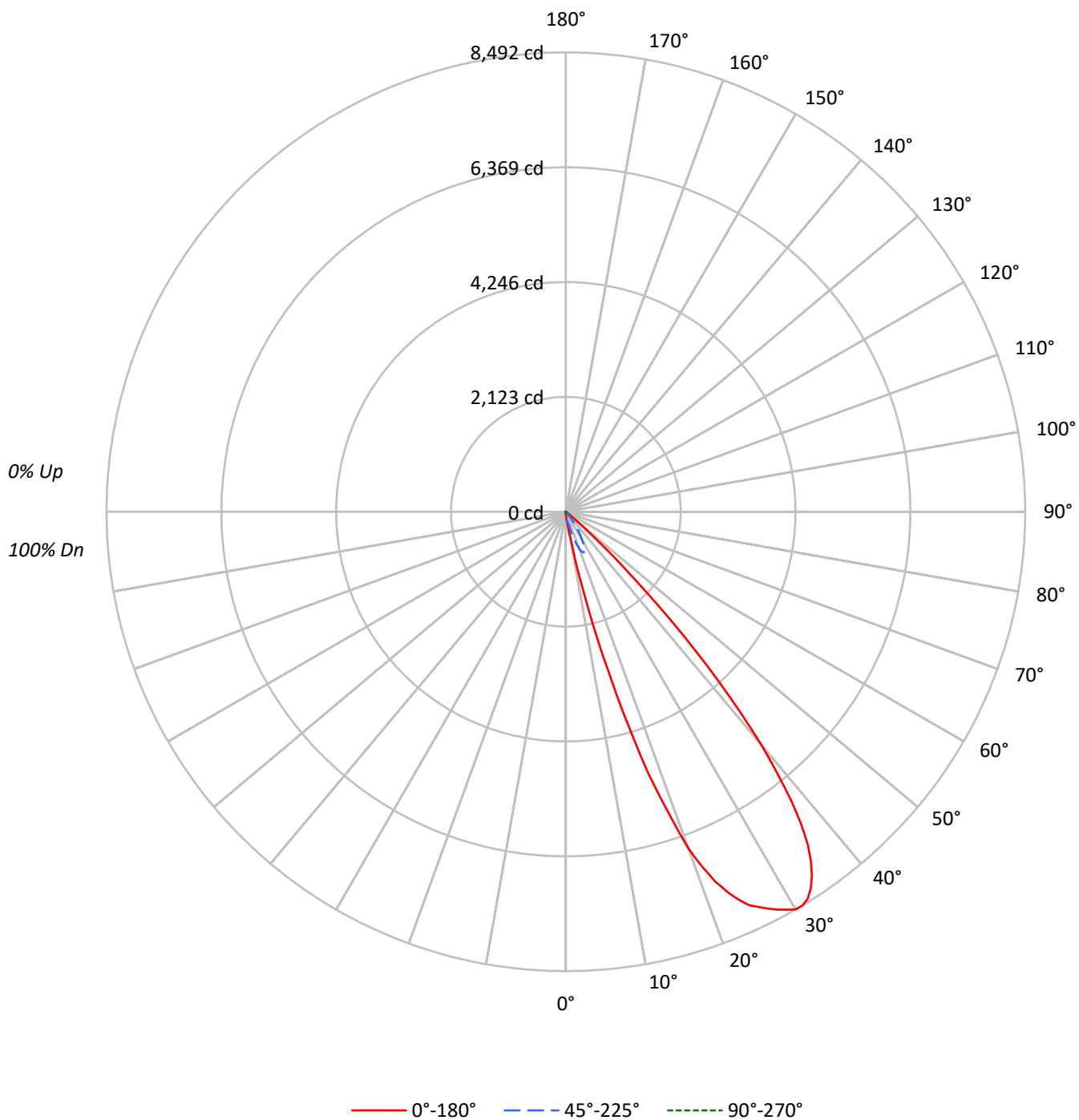
Lumens per Lamp: N/A
Luminaire Lumens: 1664.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	9059	9059	9059	9059	9059
5°	28387	19847	8264	4408	3302
10°	89468	35955	6138	560	0
15°	553277	68484	3691	0	0
20°	1213101	133498	1173	0	0
25°	1524907	153542	0	0	0
30°	1688070	118862	0	0	0
35°	1661693	67363	0	0	0
40°	1263065	17558	0	0	0
45°	511621	7770	0	0	0
50°	56801	857	0	0	0
55°	4294	0	480	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	3194	0	0
80°	0	1587	4761	0	0
85°	0	3162	9485	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 511621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.5
10°-20°	171.9	10.3
20°-30°	600.8	36.1
30°-40°	670.2	40.3
40°-50°	202.4	12.2
50°-60°	6.8	0.4
60°-70°	0.9	0.1
70°-80°	1.5	0.1
80°-90°	1.3	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°	780.9	46.9
0°-40°	1451.1	87.2
0°-60°	1660.3	99.8
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	164	115	48	26	19	25
15°	3103	384	21	0	0	1032
25°	8025	808	0	0	0	3661
35°	7904	320	0	0	0	4745
45°	2101	32	0	0	0	1814
55°	14	0	2	0	0	45
65°	0	0	3	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	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°	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
2.5°	90.8	94.0	92.4	94.0	92.4	92.4	92.4	94.0	92.4	92.4	92.4
5°	164.2	165.8	165.8	164.2	164.2	167.3	164.2	165.8	161.0	164.2	162.6
7.5°	269.3	266.2	266.2	267.8	267.8	264.6	263.0	259.8	263.0	263.0	258.2
10°	511.6	508.4	500.4	497.3	500.4	500.4	484.5	487.7	489.3	474.9	470.2
12.5°	1502.9	1491.8	1514.1	1479.0	1458.3	1424.8	1444.0	1378.6	1364.3	1354.7	1332.4
15°	3103.1	3187.6	3150.9	3154.1	3160.5	3080.8	3107.9	3009.1	2926.2	2900.7	2883.2
17.5°	5060.3	5085.8	5052.3	5036.4	5030.0	4991.7	4945.5	4896.1	4832.3	4776.6	4730.3
20°	6619.0	6599.9	6542.5	6548.9	6480.3	6445.3	6405.4	6356.0	6306.6	6225.3	6147.2
21°	7030.2	6974.4	6976.0	6937.7	6936.1	6891.5	6821.4	6770.4	6725.8	6633.3	6583.9
22°	7368.1	7355.3	7326.6	7297.9	7267.6	7245.3	7167.2	7141.7	7050.9	6974.4	6904.3
23°	7631.0	7635.8	7610.3	7591.2	7549.7	7540.2	7439.8	7404.7	7342.6	7226.2	7154.5
24°	7849.4	7841.4	7812.7	7779.3	7755.3	7733.0	7656.5	7599.2	7530.6	7435.0	7364.9
25°	8024.7	8005.6	7986.4	7960.9	7922.7	7897.2	7819.1	7755.3	7696.4	7589.6	7494.0
26°	8128.3	8133.1	8102.8	8083.7	8050.2	8024.7	7943.4	7868.5	7795.2	7680.4	7594.4
27°	8233.5	8228.7	8201.6	8172.9	8137.9	8128.3	8034.3	7956.2	7881.3	7760.1	7658.1
28°	8330.7	8317.9	8295.6	8262.2	8223.9	8195.2	8104.4	8023.1	7941.8	7812.7	7701.2
29°	8412.0	8399.2	8384.9	8341.9	8292.4	8273.3	8176.1	8077.3	7996.0	7863.7	7745.8
30°	8488.5	8464.6	8431.1	8394.5	8346.6	8310.0	8208.0	8121.9	8026.3	7879.7	7766.5
31°	8491.7	8459.8	8435.9	8397.6	8343.4	8298.8	8192.0	8104.4	7992.8	7855.8	7733.0
32°	8435.9	8420.0	8381.7	8340.3	8287.7	8243.0	8125.1	8032.7	7927.5	7780.8	7658.1
33°	8310.0	8294.0	8271.7	8228.7	8160.2	8118.7	8013.5	7911.5	7807.9	7675.7	7535.4
34°	8136.3	8117.1	8088.4	8045.4	7975.3	7932.3	7847.8	7742.6	7632.6	7495.6	7364.9
35°	7903.6	7866.9	7858.9	7795.2	7729.8	7718.7	7618.3	7508.3	7396.7	7245.3	7132.2
36°	7615.1	7572.1	7543.4	7521.1	7478.0	7425.4	7326.6	7239.0	7095.5	6998.3	6838.9
37°	7221.4	7168.8	7195.9	7135.4	7068.4	7046.1	6920.2	6840.5	6719.4	6587.1	6451.6
38°	6762.4	6757.6	6751.3	6724.2	6609.4	6550.4	6497.8	6413.4	6308.2	6148.8	5965.5
39°	6182.3	6191.8	6158.4	6161.6	6104.2	6045.2	5971.9	5876.3	5748.8	5603.7	5455.5
40°	5618.1	5482.6	5506.5	5425.2	5430.0	5342.4	5246.7	5162.3	5081.0	4953.5	4751.1
42.5°	3887.2	3866.5	3794.8	3743.8	3766.1	3652.9	3527.0	3409.1	3295.9	3152.5	2975.6
45°	2100.6	2052.8	2067.1	1984.3	1984.3	1933.3	1898.2	1799.4	1694.2	1628.8	1526.8
47.5°	781.0	790.5	808.0	774.6	736.3	758.6	725.2	725.2	707.6	686.9	658.2
50°	212.0	215.2	212.0	212.0	207.2	204.0	197.6	196.0	194.4	189.7	181.7
52.5°	86.1	81.3	81.3	82.9	82.9	79.7	81.3	81.3	79.7	78.1	78.1
55°	14.3	15.9	15.9	15.9	15.9	14.3	14.3	15.9	17.5	15.9	15.9
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°	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
2.5°	89.3	78.1	65.3	54.2	43.0	36.7	33.5	35.1
5°	151.4	114.8	74.9	47.8	33.5	25.5	20.7	19.1
7.5°	232.7	157.8	84.5	41.4	25.5	12.8	8.0	6.4
10°	357.0	205.6	90.8	35.1	15.9	3.2	0.0	0.0
12.5°	916.4	251.8	92.4	28.7	6.4	0.0	0.0	0.0
15°	1883.9	384.1	89.3	20.7	1.6	0.0	0.0	0.0
17.5°	3131.8	588.1	78.1	14.3	0.0	0.0	0.0	0.0
20°	4344.7	728.4	62.2	6.4	0.0	0.0	0.0	0.0
21°	4709.6	769.8	55.8	4.8	0.0	0.0	0.0	0.0
22°	5007.7	800.1	49.4	3.2	0.0	0.0	0.0	0.0
23°	5256.3	816.0	43.0	1.6	0.0	0.0	0.0	0.0
24°	5430.0	819.2	39.8	1.6	0.0	0.0	0.0	0.0
25°	5512.9	808.0	35.1	0.0	0.0	0.0	0.0	0.0
26°	5544.8	785.7	31.9	0.0	0.0	0.0	0.0	0.0
27°	5520.9	757.0	28.7	0.0	0.0	0.0	0.0	0.0
28°	5477.8	714.0	23.9	0.0	0.0	0.0	0.0	0.0
29°	5393.4	656.6	20.7	0.0	0.0	0.0	0.0	0.0
30°	5312.1	597.7	17.5	0.0	0.0	0.0	0.0	0.0
31°	5219.6	545.1	14.3	0.0	0.0	0.0	0.0	0.0
32°	5106.5	484.5	11.2	0.0	0.0	0.0	0.0	0.0
33°	4918.4	428.7	8.0	0.0	0.0	0.0	0.0	0.0
34°	4655.4	376.1	6.4	0.0	0.0	0.0	0.0	0.0
35°	4303.2	320.4	4.8	0.0	0.0	0.0	0.0	0.0
36°	3917.5	261.4	3.2	0.0	0.0	0.0	0.0	0.0
37°	3445.8	189.7	3.2	0.0	0.0	0.0	0.0	0.0
38°	2953.3	119.5	1.6	0.0	0.0	0.0	0.0	0.0
39°	2449.6	90.8	1.6	0.0	0.0	0.0	0.0	0.0
40°	1989.0	78.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1064.6	52.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	628.0	31.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	350.6	12.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	125.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	49.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	17.5	0.0	0.0	1.6	0.0	0.0	0.0	0.0
57.5°	1.6	0.0	1.6	1.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.6	3.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.2	3.2	1.6	0.0	0.0	0.0
67.5°	0.0	1.6	3.2	3.2	1.6	0.0	0.0	0.0
70°	0.0	1.6	3.2	3.2	1.6	0.0	0.0	0.0
72.5°	0.0	1.6	3.2	4.8	1.6	0.0	0.0	0.0
75°	0.0	1.6	3.2	4.8	1.6	0.0	0.0	0.0
77.5°	0.0	1.6	3.2	4.8	1.6	0.0	0.0	0.0
80°	0.0	1.6	3.2	4.8	1.6	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	1.6	3.2	4.8	1.6	0.0	0.0	0.0
85°	0.0	1.6	3.2	4.8	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	3.2	4.8	1.6	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)