

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: P1305729

Luminaire Tested: P3SQAS09R259024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

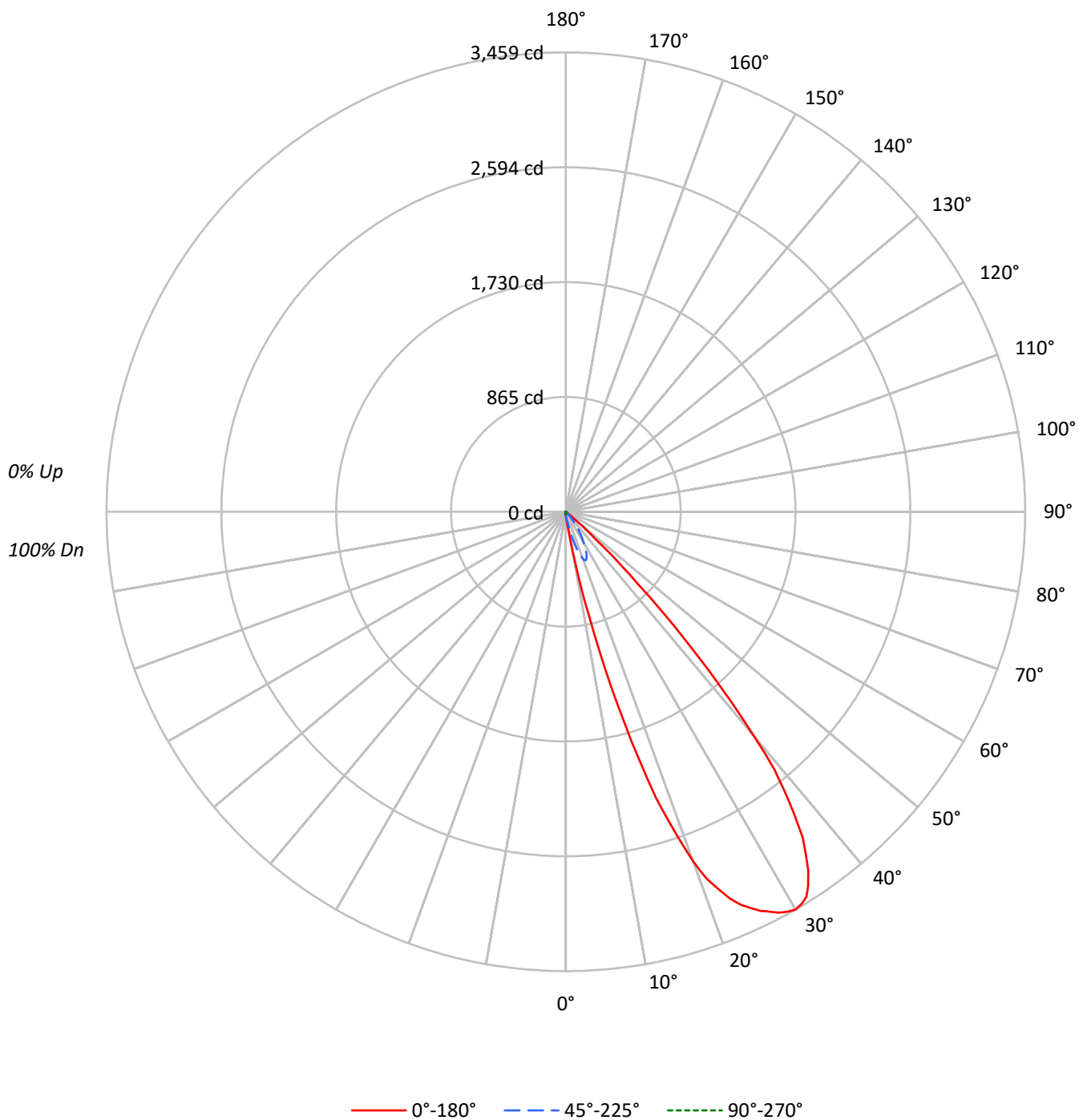
Lumens per Lamp: N/A
Luminaire Lumens: 691.9 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	104	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5115	5115	5115	5115	5115
5°	12828	9491	4806	2455	1902
10°	56119	16141	3952	1137	787
15°	266841	43523	2764	464	339
20°	513666	69700	1778	110	110
25°	625587	70310	988	0	0
30°	687816	53793	378	0	0
35°	662839	34207	126	0	0
40°	495257	14816	0	0	135
45°	183352	3921	146	146	463
50°	21622	509	348	348	697
55°	2132	0	390	570	961
60°	207	0	654	896	1102
65°	245	245	1060	1304	1589
70°	302	302	1309	1309	1964
75°	399	399	1264	1264	1730
80°	0	595	1884	1289	1884
85°	0	1186	3754	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 183352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.6
10°-20°	80.7	11.7
20°-30°	253.2	36.6
30°-40°	266.6	38.5
40°-50°	78.3	11.3
50°-60°	4.2	0.6
60°-70°	2.0	0.3
70°-80°	1.7	0.2
80°-90°	0.9	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°	338.2	48.9
0°-40°	604.8	87.4
0°-60°	687.3	99.3
0°-90°	691.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	74	55	28	14	11	13
15°	1497	244	16	3	2	472
25°	3292	370	5	0	0	1510
35°	3153	163	1	0	0	1902
45°	753	16	1	1	2	684
55°	7	0	1	2	3	18
65°	1	1	3	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	45.8	46.5	44.5	45.8	44.5	43.9	43.3	40.0	34.9	29.7	24.5
5°	74.2	74.2	71.0	70.4	69.1	66.5	63.9	54.9	39.4	27.8	19.4
7.5°	116.2	115.6	114.3	111.1	104.6	98.1	91.7	71.7	43.3	25.8	14.8
10°	320.9	316.4	310.6	275.7	236.3	201.4	171.1	92.3	46.5	22.6	11.0
12.5°	797.4	771.5	710.2	640.5	551.4	457.8	366.1	150.4	47.8	18.7	7.7
15°	1496.6	1443.0	1347.5	1208.0	1025.9	821.3	646.9	244.1	46.5	15.5	5.8
17.5°	2259.8	2208.1	2075.7	1864.0	1596.0	1281.6	973.0	323.5	43.3	12.9	3.9
20°	2802.7	2747.9	2623.9	2399.2	2109.3	1690.3	1281.0	380.3	40.7	9.7	1.9
21°	2961.6	2906.7	2775.6	2558.7	2253.9	1833.6	1379.7	390.0	38.7	8.4	1.3
22°	3062.3	3030.0	2889.3	2678.8	2368.2	1948.6	1464.3	394.5	37.4	7.7	1.3
23°	3163.7	3115.2	2983.5	2761.4	2455.4	2033.8	1526.9	391.3	36.2	6.5	0.6
24°	3238.6	3197.9	3044.9	2825.3	2516.1	2086.1	1563.8	382.9	34.2	5.8	0.6
25°	3292.1	3254.7	3095.2	2868.6	2556.8	2114.5	1575.4	370.0	32.3	5.2	0.6
26°	3343.1	3302.5	3137.2	2893.8	2578.1	2123.5	1564.4	355.8	30.3	4.5	0.0
27°	3380.0	3338.6	3166.2	2908.6	2579.4	2112.5	1534.7	336.4	28.4	3.9	0.0
28°	3419.3	3371.6	3186.3	2917.0	2571.6	2086.7	1492.1	315.7	27.1	3.2	0.0
29°	3443.2	3398.0	3206.9	2926.1	2555.5	2043.5	1430.1	291.2	23.9	1.9	0.0
30°	3458.7	3405.1	3205.0	2916.4	2534.2	1997.0	1355.9	270.5	20.7	1.9	0.0
31°	3445.8	3389.6	3184.3	2889.3	2499.9	1936.3	1279.7	244.7	16.8	1.3	0.0
32°	3418.0	3351.5	3148.2	2842.1	2438.6	1858.2	1200.9	223.4	12.3	1.3	0.0
33°	3350.3	3294.1	3083.0	2778.9	2358.5	1752.3	1098.2	202.7	8.4	0.6	0.0
34°	3265.0	3208.9	2993.9	2694.3	2251.4	1615.4	973.6	181.4	7.1	0.6	0.0
35°	3152.7	3097.2	2893.1	2576.1	2109.3	1450.8	845.1	162.7	5.8	0.6	0.0
36°	3034.5	2960.9	2765.9	2450.2	1918.9	1263.5	707.6	141.4	4.5	0.6	0.0
37°	2860.9	2811.1	2594.8	2258.5	1712.9	1084.0	607.6	122.0	3.2	0.6	0.0
38°	2680.7	2634.9	2423.8	2065.4	1483.0	906.5	508.8	103.3	2.6	0.0	0.0
39°	2494.8	2418.6	2210.0	1818.1	1242.2	759.3	428.1	86.5	1.3	0.0	0.0
40°	2202.9	2144.8	1922.1	1521.1	1027.9	615.3	364.8	65.9	1.3	0.0	0.0
42.5°	1460.4	1406.2	1172.5	825.1	546.2	359.6	240.8	25.8	0.0	0.6	0.0
45°	752.8	718.6	583.7	431.9	309.9	220.8	155.0	16.1	0.0	0.6	0.6
47.5°	298.9	293.1	264.7	228.6	176.3	131.1	84.6	7.1	0.0	0.6	0.6
50°	80.7	81.4	76.2	70.4	63.9	60.0	35.5	1.9	0.0	1.3	0.6
52.5°	34.2	34.9	33.6	31.6	28.4	21.3	14.2	0.6	0.6	1.3	1.3
55°	7.1	7.7	8.4	9.0	10.3	9.0	5.8	0.0	0.6	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.9	1.9	1.3	0.0	0.6	1.3	1.9
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.3	1.9	1.9
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.9	2.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	2.6	2.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9	2.6	2.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9	2.6	2.6
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9	2.6	1.9
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3	1.9	1.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.9	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9	1.3
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):

	135°	157.5°	180°
0°	29.7	29.7	29.7
2.5°	20.7	18.7	18.1
5°	14.2	12.3	11.0
7.5°	9.7	7.7	7.1
10°	6.5	5.2	4.5
12.5°	4.5	2.6	2.6
15°	2.6	1.9	1.9
17.5°	1.3	0.6	0.6
20°	0.6	0.6	0.6
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.3
45°	0.6	1.3	1.9
47.5°	1.3	1.9	2.6
50°	1.3	2.6	2.6
52.5°	1.9	2.6	3.2
55°	1.9	3.2	3.2
57.5°	2.6	3.2	3.9
60°	2.6	3.2	3.2
62.5°	2.6	3.9	3.9
65°	3.2	3.9	3.9
67.5°	3.2	3.9	3.9
70°	2.6	3.2	3.9
72.5°	2.6	3.2	3.2
75°	1.9	2.6	2.6
77.5°	1.9	1.9	2.6
80°	1.3	1.9	1.9

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.3	1.3	1.3
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)