

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: P1314194

Luminaire Tested: P3SQAS09R259735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314194
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: P3SQAS09R259735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

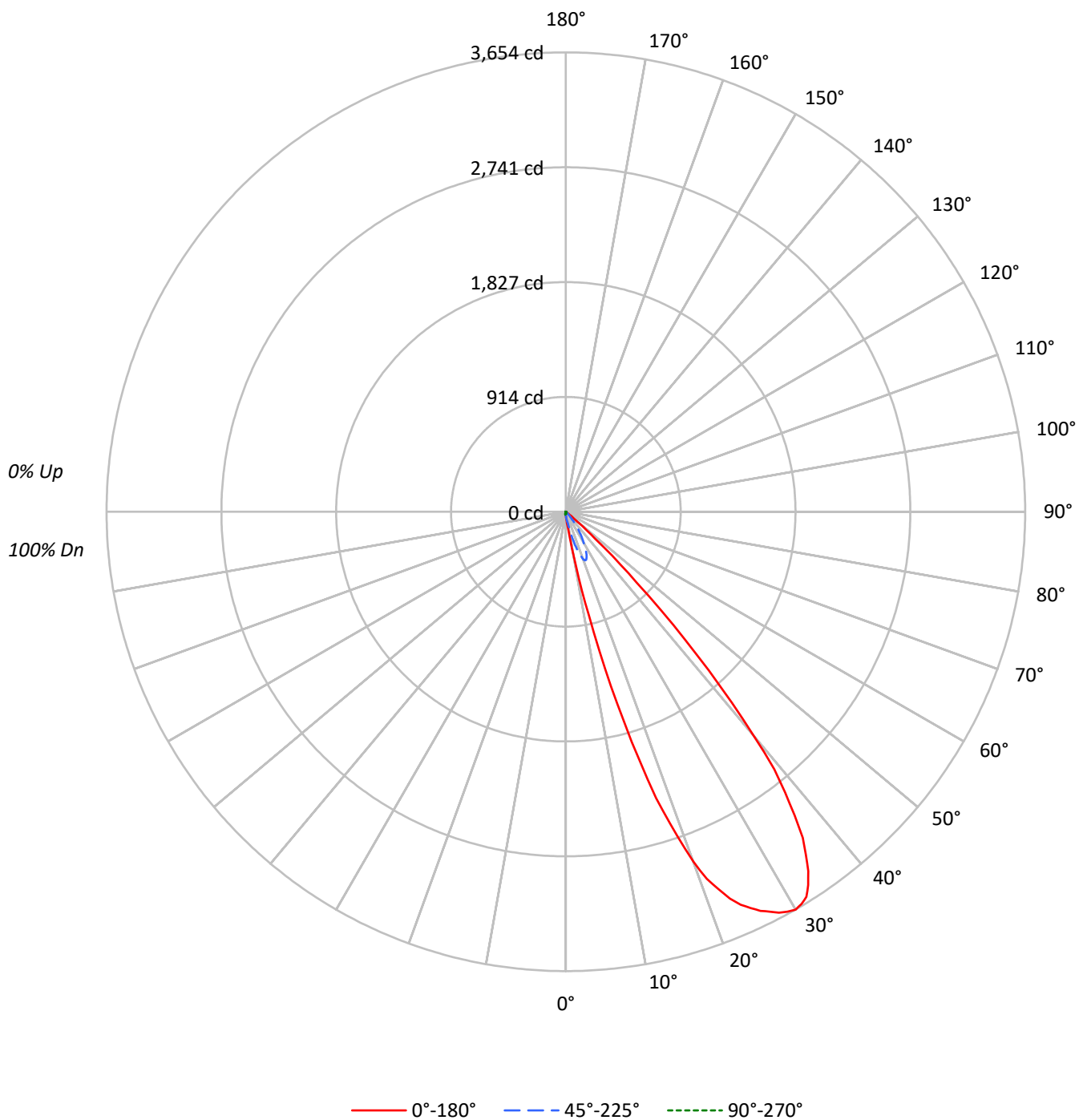
Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5408	5408	5408	5408	5408
5°	13554	10027	5065	2593	2005
10°	59284	17051	4180	1189	839
15°	281889	45965	2924	481	357
20°	542624	73622	1869	128	128
25°	660856	74262	1045	0	0
30°	726575	56836	398	0	0
35°	700200	36141	147	0	0
40°	523180	15648	0	0	157
45°	193679	4165	170	170	487
50°	22855	536	375	375	723
55°	2252	0	420	601	1021
60°	241	0	689	930	1171
65°	285	285	1100	1386	1671
70°	352	352	1360	1360	2065
75°	466	466	1331	1331	1797
80°	0	694	1984	1389	1984
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 193679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.6
10°-20°	85.2	11.7
20°-30°	267.5	36.6
30°-40°	281.6	38.5
40°-50°	82.7	11.3
50°-60°	4.4	0.6
60°-70°	2.1	0.3
70°-80°	1.8	0.3
80°-90°	1.0	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°	357.3	48.9
0°-40°	638.9	87.4
0°-60°	726.0	99.3
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	78	58	29	15	12	14
15°	1581	258	16	3	2	498
25°	3478	391	6	0	0	1595
35°	3330	172	1	0	0	2010
45°	795	17	1	1	2	723
55°	8	0	1	2	3	19
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°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	48.4	49.1	47.1	48.4	47.1	46.4	45.7	42.3	36.8	31.4	25.9
5°	78.4	78.4	75.0	74.3	73.0	70.2	67.5	58.0	41.6	29.3	20.5
7.5°	122.8	122.1	120.7	117.3	110.5	103.7	96.8	75.7	45.7	27.3	15.7
10°	339.0	334.2	328.1	291.2	249.6	212.8	180.7	97.5	49.1	23.9	11.6
12.5°	842.3	815.0	750.2	676.6	582.5	483.6	386.7	158.9	50.5	19.8	8.2
15°	1581.0	1524.3	1423.4	1276.1	1083.7	867.5	683.4	257.8	49.1	16.4	6.1
17.5°	2387.1	2332.6	2192.7	1969.0	1686.0	1353.8	1027.8	341.7	45.7	13.6	4.1
20°	2960.7	2902.7	2771.8	2534.4	2228.2	1785.6	1353.2	401.7	43.0	10.2	2.0
21°	3128.5	3070.5	2932.1	2702.9	2381.0	1937.0	1457.5	411.9	40.9	8.9	1.4
22°	3234.9	3200.8	3052.1	2829.8	2501.7	2058.4	1546.8	416.7	39.6	8.2	1.4
23°	3342.0	3290.8	3151.7	2917.1	2593.8	2148.4	1613.0	413.3	38.2	6.8	0.7
24°	3421.1	3378.1	3216.5	2984.6	2657.9	2203.6	1651.9	404.4	36.1	6.1	0.7
25°	3477.7	3438.1	3269.7	3030.3	2700.8	2233.7	1664.2	390.8	34.1	5.5	0.7
26°	3531.6	3488.6	3314.0	3056.9	2723.4	2243.2	1652.6	375.8	32.1	4.8	0.0
27°	3570.4	3526.8	3344.7	3072.6	2724.7	2231.6	1621.2	355.3	30.0	4.1	0.0
28°	3612.0	3561.6	3365.8	3081.4	2716.5	2204.3	1576.2	333.5	28.6	3.4	0.0
29°	3637.3	3589.5	3387.7	3091.0	2699.5	2158.6	1510.7	307.6	25.2	2.0	0.0
30°	3653.6	3597.0	3385.6	3080.7	2677.0	2109.5	1432.3	285.8	21.8	2.0	0.0
31°	3640.0	3580.7	3363.8	3052.1	2640.8	2045.4	1351.8	258.5	17.7	1.4	0.0
32°	3610.7	3540.4	3325.6	3002.3	2576.0	1962.9	1268.6	236.0	13.0	1.4	0.0
33°	3539.1	3479.7	3256.7	2935.5	2491.5	1851.0	1160.1	214.2	8.9	0.7	0.0
34°	3449.0	3389.7	3162.6	2846.1	2378.2	1706.4	1028.5	191.7	7.5	0.7	0.0
35°	3330.4	3271.7	3056.2	2721.3	2228.2	1532.5	892.8	171.9	6.1	0.7	0.0
36°	3205.6	3127.8	2921.8	2588.3	2027.0	1334.7	747.5	149.4	4.8	0.7	0.0
37°	3022.1	2969.6	2741.1	2385.7	1809.4	1145.1	641.8	128.9	3.4	0.7	0.0
38°	2831.8	2783.4	2560.3	2181.8	1566.6	957.6	537.4	109.1	2.7	0.0	0.0
39°	2635.4	2554.9	2334.6	1920.6	1312.2	802.1	452.2	91.4	1.4	0.0	0.0
40°	2327.1	2265.7	2030.4	1606.9	1085.8	650.0	385.3	69.6	1.4	0.0	0.0
42.5°	1542.8	1485.5	1238.6	871.6	577.0	379.9	254.4	27.3	0.0	0.7	0.0
45°	795.2	759.1	616.6	456.3	327.4	233.3	163.7	17.1	0.0	0.7	0.7
47.5°	315.8	309.6	279.6	241.4	186.2	138.5	89.3	7.5	0.0	0.7	0.7
50°	85.3	85.9	80.5	74.3	67.5	63.4	37.5	2.0	0.0	1.4	0.7
52.5°	36.1	36.8	35.5	33.4	30.0	22.5	15.0	0.7	0.7	1.4	1.4
55°	7.5	8.2	8.9	9.5	10.9	9.5	6.1	0.0	0.7	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	2.0	2.0	1.4	0.0	0.7	1.4	2.0
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	2.0	2.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	2.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.7	2.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	1.4



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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	0.7	0.7	1.4	2.0	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	1.4
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°	31.4	31.4	31.4
2.5°	21.8	19.8	19.1
5°	15.0	13.0	11.6
7.5°	10.2	8.2	7.5
10°	6.8	5.5	4.8
12.5°	4.8	2.7	2.7
15°	2.7	2.0	2.0
17.5°	1.4	0.7	0.7
20°	0.7	0.7	0.7
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	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.4
45°	0.7	1.4	2.0
47.5°	1.4	2.0	2.7
50°	1.4	2.7	2.7
52.5°	2.0	2.7	3.4
55°	2.0	3.4	3.4
57.5°	2.7	3.4	4.1
60°	2.7	3.4	3.4
62.5°	2.7	4.1	4.1
65°	3.4	4.1	4.1
67.5°	3.4	4.1	4.1
70°	2.7	3.4	4.1
72.5°	2.7	3.4	3.4
75°	2.0	2.7	2.7
77.5°	2.0	2.0	2.7
80°	1.4	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.4	1.4	1.4
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)