

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: P1309914

Luminaire Tested: P3SQAS05R309040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

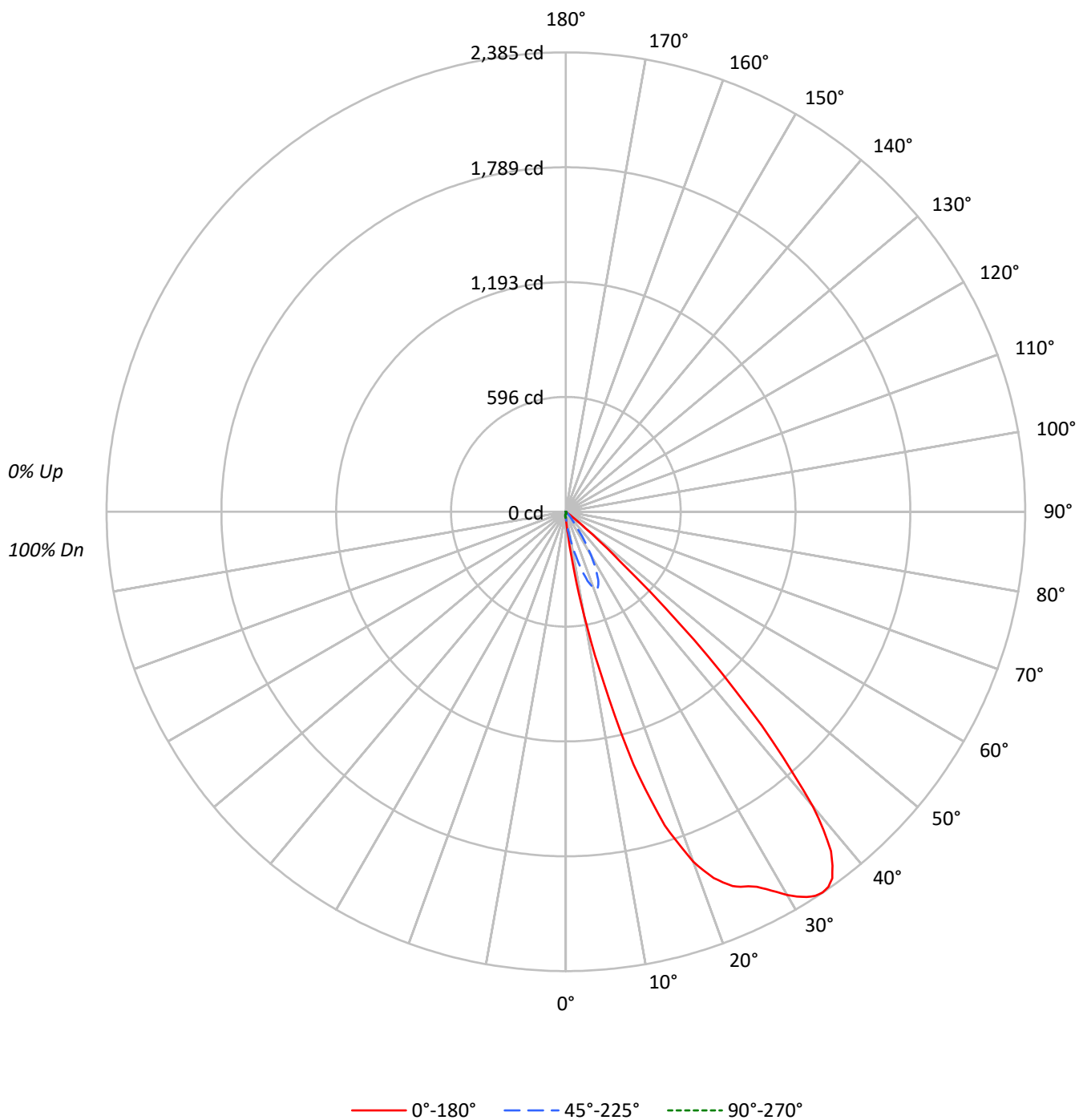
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	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	43
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5287	5287	5287	5287	5287
5°	19190	11911	4841	1954	1400
10°	94960	28540	3760	385	0
15°	242218	54363	2407	0	0
20°	353923	77306	990	0	0
25°	408310	75859	209	0	0
30°	456993	52063	0	0	0
35°	499773	22433	0	0	0
40°	448562	8723	0	0	0
45°	229068	3532	0	0	0
50°	35367	429	0	0	0
55°	2102	0	150	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 229068 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	1.1
10°-20°	76.5	13.3
20°-30°	189.0	32.9
30°-40°	217.4	37.9
40°-50°	80.6	14.0
50°-60°	2.9	0.5
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	271.9	47.4
0°-40°	489.2	85.2
0°-60°	572.8	99.8
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	111	69	28	11	8	24
15°	1358	305	14	0	0	391
25°	2149	399	1	0	0	993
35°	2377	107	0	0	0	1441
45°	940	14	0	0	0	732
55°	7	0	0	0	0	24
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	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°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
2.5°	54.4	54.9	54.9	53.3	52.8	52.3	50.6	45.8	38.2	30.7	24.8
5°	111.0	111.5	111.5	108.3	101.8	95.3	90.0	68.9	44.2	28.0	18.3
7.5°	261.8	262.3	251.0	238.1	212.2	198.8	174.0	106.1	50.1	25.3	11.9
10°	543.0	531.1	501.5	463.8	423.9	372.2	320.0	163.2	54.4	21.5	7.5
12.5°	907.7	896.3	858.1	804.2	726.1	624.9	525.7	229.5	54.9	17.2	4.3
15°	1358.5	1326.7	1281.0	1191.5	1076.3	919.5	755.8	304.9	52.8	13.5	1.1
17.5°	1708.1	1679.0	1620.9	1516.3	1373.1	1199.1	998.2	376.5	46.9	8.6	0.0
20°	1931.1	1900.4	1846.0	1753.9	1601.5	1397.3	1167.3	421.8	38.8	5.4	0.0
21°	1994.7	1965.1	1911.7	1820.2	1668.3	1464.6	1208.8	431.5	35.0	4.3	0.0
22°	2050.7	2027.5	1978.0	1878.3	1723.7	1514.2	1250.8	432.6	32.3	3.2	0.0
23°	2090.0	2073.3	2023.8	1932.2	1778.1	1554.6	1273.4	426.1	29.1	2.2	0.0
24°	2127.7	2107.3	2064.7	1979.6	1821.2	1588.5	1293.9	414.2	25.9	1.6	0.0
25°	2148.7	2125.0	2092.2	2012.5	1856.8	1610.1	1306.3	399.2	22.6	1.1	0.0
26°	2163.3	2145.0	2108.9	2031.9	1871.9	1624.1	1307.9	377.1	20.5	0.5	0.0
27°	2185.4	2167.1	2132.0	2049.1	1878.3	1621.9	1298.2	351.8	17.8	0.0	0.0
28°	2218.8	2194.5	2159.5	2067.4	1881.0	1612.8	1276.6	324.3	15.1	0.0	0.0
29°	2257.0	2232.2	2194.0	2091.6	1881.6	1594.5	1242.7	294.1	13.5	0.0	0.0
30°	2298.0	2276.4	2237.6	2115.3	1887.5	1570.8	1203.4	261.8	10.8	0.0	0.0
31°	2330.3	2310.9	2269.4	2136.9	1892.3	1550.3	1154.9	229.5	9.2	0.0	0.0
32°	2358.3	2341.0	2289.9	2141.7	1882.6	1521.2	1103.2	198.2	7.5	0.0	0.0
33°	2377.7	2356.1	2296.3	2129.4	1854.6	1473.3	1045.6	168.6	5.9	0.0	0.0
34°	2384.7	2358.8	2286.6	2097.0	1798.1	1400.5	970.7	137.9	4.8	0.0	0.0
35°	2377.1	2345.4	2251.6	2041.6	1721.6	1313.8	880.7	106.7	3.8	0.0	0.0
36°	2352.9	2312.5	2201.5	1962.4	1612.2	1211.5	790.8	83.0	2.7	0.0	0.0
37°	2300.6	2255.9	2115.9	1857.9	1504.0	1094.0	688.4	64.6	1.6	0.0	0.0
38°	2236.5	2171.9	2001.7	1725.9	1363.9	962.1	587.1	53.3	1.1	0.0	0.0
39°	2127.2	2056.1	1865.9	1574.0	1226.5	836.6	488.6	46.3	0.5	0.0	0.0
40°	1995.2	1910.7	1710.8	1411.3	1064.4	705.1	407.8	38.8	0.5	0.0	0.0
42.5°	1505.0	1433.4	1218.5	959.9	650.7	415.9	226.2	25.3	0.0	0.0	0.0
45°	940.5	865.6	720.2	526.3	352.3	215.5	108.8	14.5	0.0	0.0	0.0
47.5°	384.1	352.3	289.8	223.0	159.4	101.3	45.2	6.5	0.0	0.0	0.0
50°	132.0	117.4	98.6	72.2	51.2	35.0	23.7	1.6	0.0	0.0	0.0
52.5°	38.2	38.8	33.9	29.1	22.6	16.2	11.9	0.0	0.0	0.0	0.0
55°	7.0	5.9	7.0	6.5	7.0	5.9	4.3	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5



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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	0.0	0.5	1.1	1.6	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
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°	30.7	30.7	30.7
2.5°	19.9	17.8	16.7
5°	11.3	8.6	8.1
7.5°	5.9	3.8	3.2
10°	2.2	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

TEST NUMBER: P1309914

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)