

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: P1309714

Luminaire Tested: P3SQAS02R209040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

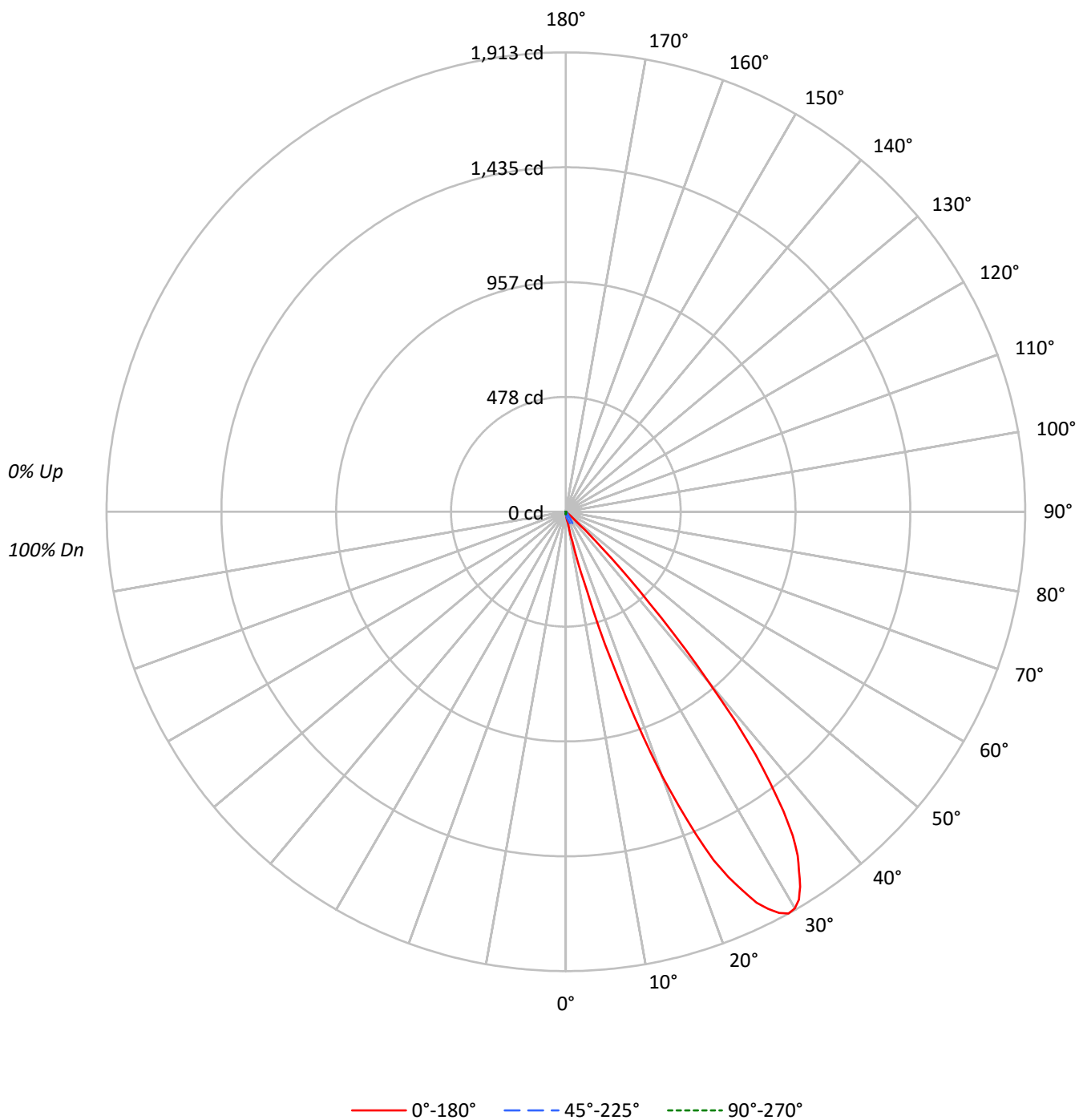
Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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	64	74	68	64	72	67	63	70	66	63
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1636	1636	1636	1636	1636
5°	3544	2489	1504	674	501
10°	8814	4407	1049	140	0
15°	62030	6044	606	0	0
20°	214377	10153	238	0	0
25°	330437	12979	95	0	0
30°	379276	10023	0	0	0
35°	346379	3805	0	0	0
40°	207667	1776	0	0	0
45°	51026	828	0	0	0
50°	5627	214	0	0	0
55°	781	0	90	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	151	403	0	0
75°	0	200	532	0	0
80°	0	298	793	0	0
85°	0	593	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 1°

Vertical Angle: 45°

Luminance: 54411 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.4
10°-20°	20.6	7.8
20°-30°	104.3	39.5
30°-40°	112.8	42.7
40°-50°	23.8	9.0
50°-60°	0.7	0.3
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.2	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°	126.0	47.7
0°-40°	238.8	90.5
0°-60°	263.4	99.8
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	20	14	9	4	3	3
15°	348	34	3	0	0	145
25°	1739	68	0	0	0	786
35°	1648	18	0	0	0	972
45°	210	3	0	0	0	230
55°	3	0	0	0	0	5
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
2.5°	12.9	12.6	12.9	12.6	12.9	12.9	12.9	12.6	12.6	12.6	12.6
5°	20.5	20.5	20.2	20.5	20.5	20.5	20.5	20.2	20.2	20.0	20.0
7.5°	32.3	32.3	32.0	32.0	32.3	32.6	31.5	32.0	32.0	32.0	31.8
10°	50.4	51.5	50.4	51.7	50.7	49.9	51.2	49.9	49.9	49.6	48.8
12.5°	127.1	124.2	122.4	117.9	122.4	118.9	119.7	118.9	116.3	112.9	110.8
15°	347.9	347.9	337.6	351.3	341.3	345.0	326.1	326.4	316.6	306.1	300.4
17.5°	727.3	733.8	727.0	722.8	713.9	701.0	695.8	682.4	664.8	644.3	642.0
20°	1169.7	1142.1	1155.0	1143.2	1135.8	1120.1	1102.5	1091.5	1076.0	1050.0	1011.6
21°	1308.8	1307.8	1307.5	1307.3	1296.5	1270.8	1254.8	1232.7	1210.9	1184.1	1152.1
22°	1449.1	1454.0	1456.1	1440.9	1418.9	1407.3	1396.3	1366.1	1331.7	1317.8	1279.7
23°	1577.7	1573.0	1559.3	1552.2	1535.2	1531.8	1498.9	1479.8	1446.2	1430.9	1385.8
24°	1665.4	1663.0	1656.7	1646.2	1632.6	1611.6	1591.9	1561.7	1534.1	1509.2	1467.2
25°	1738.9	1741.0	1729.5	1722.4	1707.7	1684.0	1659.9	1626.8	1601.1	1571.9	1523.4
26°	1811.6	1796.9	1787.8	1777.3	1761.2	1734.2	1710.8	1681.2	1649.9	1617.4	1569.8
27°	1856.5	1843.4	1829.5	1819.3	1800.9	1775.1	1750.2	1717.4	1682.5	1649.6	1600.8
28°	1892.0	1877.5	1863.9	1851.6	1830.5	1803.0	1773.0	1739.7	1703.5	1669.6	1619.7
29°	1913.0	1895.9	1881.2	1867.3	1848.1	1818.2	1788.0	1752.3	1717.4	1681.9	1631.0
30°	1907.2	1892.5	1878.3	1864.2	1844.7	1816.6	1786.7	1752.6	1717.4	1682.5	1630.7
31°	1884.6	1866.5	1856.3	1842.1	1825.3	1796.7	1770.9	1733.7	1701.9	1664.1	1612.4
32°	1841.3	1829.8	1816.1	1805.1	1788.8	1758.3	1733.1	1702.7	1665.1	1634.2	1579.8
33°	1782.5	1771.7	1764.9	1752.0	1736.3	1715.3	1685.1	1657.3	1615.0	1583.2	1528.9
34°	1726.3	1712.7	1695.6	1691.9	1678.3	1651.2	1623.9	1595.6	1557.8	1517.3	1462.4
35°	1647.5	1633.4	1617.6	1618.9	1602.6	1571.1	1543.3	1511.5	1475.6	1428.0	1376.1
36°	1542.3	1532.8	1530.4	1524.1	1505.5	1468.0	1441.4	1401.5	1371.3	1313.3	1268.7
37°	1413.9	1417.3	1400.2	1392.1	1370.3	1344.0	1329.1	1277.9	1242.7	1199.1	1138.7
38°	1284.2	1279.2	1259.0	1264.0	1234.0	1206.7	1164.4	1134.0	1094.6	1054.2	1005.9
39°	1122.2	1109.8	1085.7	1086.7	1064.1	1033.4	992.5	956.5	932.9	894.0	847.8
40°	923.7	918.4	910.0	896.1	866.4	853.0	816.6	777.7	757.7	703.9	681.3
42.5°	512.5	505.4	491.2	486.3	470.5	454.7	433.5	407.5	394.9	378.9	343.2
45°	209.5	223.4	220.0	216.1	204.0	204.8	189.6	191.4	177.5	168.0	161.5
47.5°	46.2	50.1	50.4	48.6	50.4	48.8	48.0	46.7	47.0	47.8	45.9
50°	21.0	20.7	21.3	21.0	20.7	20.5	20.2	19.4	20.0	19.4	18.9
52.5°	8.1	8.4	8.4	7.9	8.1	8.1	8.1	7.9	7.9	7.9	7.9
55°	2.6	2.6	2.6	2.4	2.4	2.6	2.6	2.6	2.6	2.6	2.4
57.5°	0.3	0.5	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5
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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
2.5°	12.1	11.0	10.2	9.5	7.9	6.6	6.0	6.0
5°	18.6	14.4	10.8	8.7	6.0	3.9	3.2	2.9
7.5°	28.1	19.4	11.3	7.4	3.9	2.1	1.3	1.1
10°	40.7	25.2	11.8	6.0	2.4	0.8	0.0	0.0
12.5°	71.2	30.2	11.8	4.7	1.1	0.0	0.0	0.0
15°	163.0	33.9	11.3	3.4	0.3	0.0	0.0	0.0
17.5°	338.7	42.5	10.0	2.4	0.0	0.0	0.0	0.0
20°	540.9	55.4	7.9	1.3	0.0	0.0	0.0	0.0
21°	624.1	59.9	7.1	1.1	0.0	0.0	0.0	0.0
22°	684.0	64.1	6.3	0.8	0.0	0.0	0.0	0.0
23°	749.9	66.7	5.5	0.5	0.0	0.0	0.0	0.0
24°	798.4	68.3	4.7	0.5	0.0	0.0	0.0	0.0
25°	828.6	68.3	4.2	0.5	0.0	0.0	0.0	0.0
26°	846.5	66.7	3.7	0.3	0.0	0.0	0.0	0.0
27°	850.7	64.1	3.2	0.3	0.0	0.0	0.0	0.0
28°	845.4	60.7	2.6	0.0	0.0	0.0	0.0	0.0
29°	828.9	55.7	2.4	0.0	0.0	0.0	0.0	0.0
30°	811.0	50.4	1.8	0.0	0.0	0.0	0.0	0.0
31°	780.6	43.3	1.6	0.0	0.0	0.0	0.0	0.0
32°	745.4	36.0	1.3	0.0	0.0	0.0	0.0	0.0
33°	698.4	28.4	1.1	0.0	0.0	0.0	0.0	0.0
34°	629.1	22.3	1.1	0.0	0.0	0.0	0.0	0.0
35°	566.9	18.1	0.8	0.0	0.0	0.0	0.0	0.0
36°	485.5	14.4	0.8	0.0	0.0	0.0	0.0	0.0
37°	415.9	12.1	0.8	0.0	0.0	0.0	0.0	0.0
38°	348.2	10.2	0.5	0.0	0.0	0.0	0.0	0.0
39°	282.5	8.9	0.5	0.0	0.0	0.0	0.0	0.0
40°	225.3	7.9	0.5	0.0	0.0	0.0	0.0	0.0
42.5°	121.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	67.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	29.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	10.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.5	0.3	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.5	0.8	0.3	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	0.3	0.5	0.8	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.5	0.8	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.5	0.8	0.3	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)