

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: P1315927

Luminaire Tested: P3SQAS05R259827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315927
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: P3SQAS05R259827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

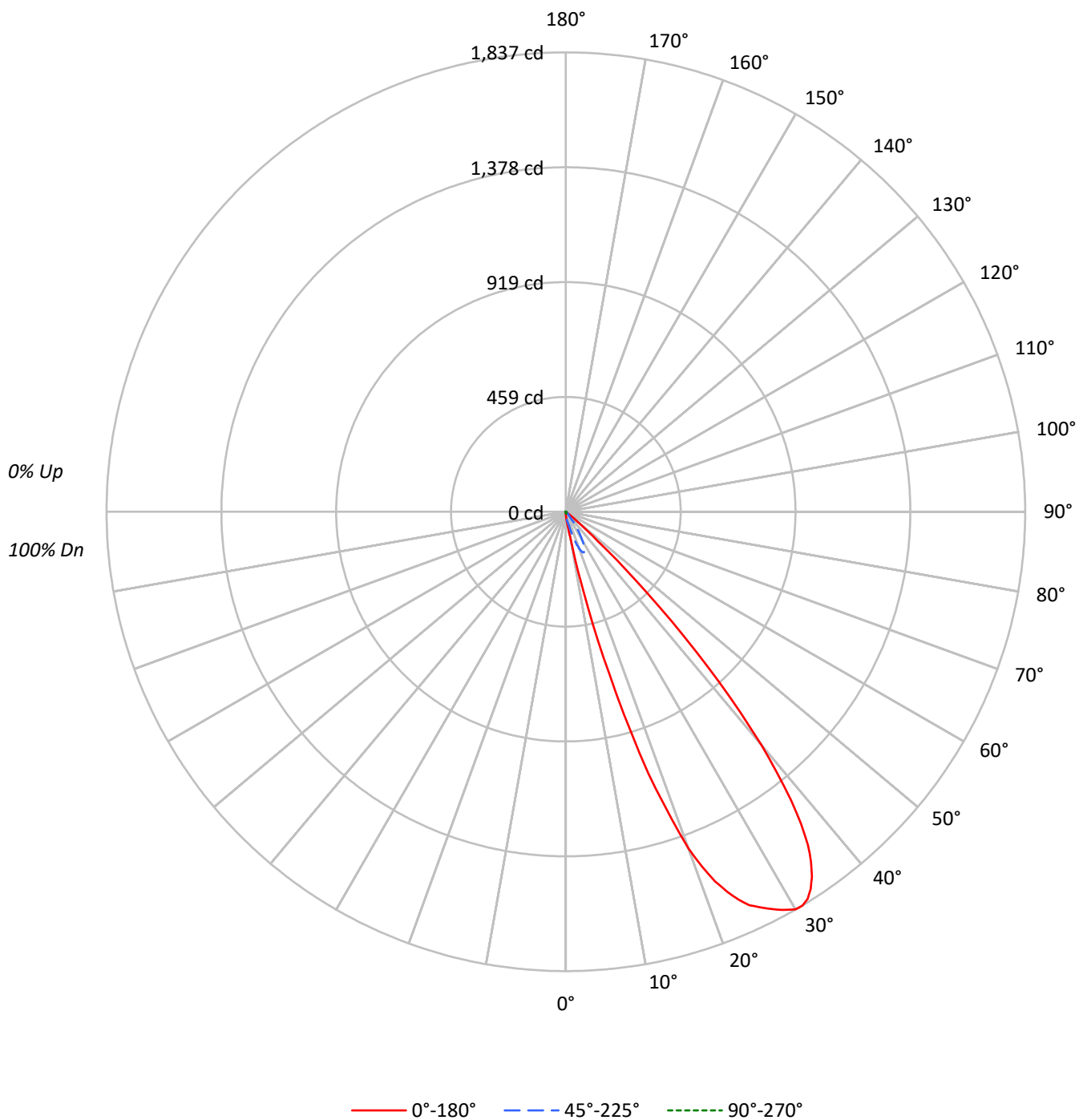
Lumens per Lamp: N/A
Luminaire Lumens: 360.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1963	1963	1963	1963	1963
5°	6137	4287	1781	951	709
10°	19359	7782	1329	122	0
15°	119691	14817	802	0	0
20°	262451	28884	257	0	0
25°	329905	33217	0	0	0
30°	365217	25713	0	0	0
35°	359498	14570	0	0	0
40°	273270	3799	0	0	0
45°	110698	1681	0	0	0
50°	12298	188	0	0	0
55°	931	0	90	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	37.2	10.3
20°-30°	130.0	36.1
30°-40°	145.0	40.3
40°-50°	43.8	12.2
50°-60°	1.5	0.4
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.3	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°	168.9	46.9
0°-40°	313.9	87.2
0°-60°	359.2	99.8
0°-90°	360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	360.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	36	25	10	6	4	6
15°	671	83	4	0	0	223
25°	1736	175	0	0	0	792
35°	1710	69	0	0	0	1027
45°	454	7	0	0	0	393
55°	3	0	0	0	0	10
65°	0	0	1	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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	19.7	20.3	20.0	20.3	20.0	20.0	20.0	20.3	20.0	20.0	20.0
5°	35.5	35.9	35.9	35.5	35.5	36.2	35.5	35.9	34.8	35.5	35.2
7.5°	58.3	57.6	57.6	57.9	57.9	57.2	56.9	56.2	56.9	56.9	55.9
10°	110.7	110.0	108.3	107.6	108.3	108.3	104.8	105.5	105.9	102.8	101.7
12.5°	325.2	322.7	327.6	320.0	315.5	308.3	312.4	298.3	295.2	293.1	288.3
15°	671.3	689.6	681.7	682.4	683.8	666.5	672.4	651.0	633.1	627.6	623.8
17.5°	1094.8	1100.3	1093.0	1089.6	1088.2	1079.9	1069.9	1059.3	1045.5	1033.4	1023.4
20°	1432.0	1427.9	1415.4	1416.8	1402.0	1394.4	1385.8	1375.1	1364.4	1346.8	1329.9
21°	1521.0	1508.9	1509.2	1501.0	1500.6	1491.0	1475.8	1464.7	1455.1	1435.1	1424.4
22°	1594.1	1591.3	1585.1	1578.9	1572.3	1567.5	1550.6	1545.1	1525.4	1508.9	1493.7
23°	1650.9	1652.0	1646.5	1642.3	1633.4	1631.3	1609.6	1602.0	1588.5	1563.4	1547.8
24°	1698.2	1696.5	1690.3	1683.0	1677.8	1673.0	1656.5	1644.0	1629.2	1608.5	1593.4
25°	1736.1	1732.0	1727.8	1722.3	1714.0	1708.5	1691.6	1677.8	1665.1	1642.0	1621.3
26°	1758.5	1759.6	1753.0	1748.9	1741.6	1736.1	1718.5	1702.3	1686.5	1661.6	1643.0
27°	1781.3	1780.2	1774.4	1768.2	1760.6	1758.5	1738.2	1721.3	1705.1	1678.9	1656.8
28°	1802.3	1799.6	1794.7	1787.5	1779.2	1773.0	1753.4	1735.8	1718.2	1690.3	1666.1
29°	1819.9	1817.1	1814.0	1804.7	1794.0	1789.9	1768.9	1747.5	1729.9	1701.3	1675.8
30°	1836.5	1831.3	1824.0	1816.1	1805.8	1797.8	1775.8	1757.1	1736.5	1704.7	1680.3
31°	1837.1	1830.2	1825.1	1816.8	1805.1	1795.4	1772.3	1753.4	1729.2	1699.6	1673.0
32°	1825.1	1821.6	1813.3	1804.4	1793.0	1783.4	1757.8	1737.8	1715.1	1683.4	1656.8
33°	1797.8	1794.4	1789.6	1780.2	1765.4	1756.5	1733.7	1711.6	1689.2	1660.6	1630.3
34°	1760.2	1756.1	1749.9	1740.6	1725.4	1716.1	1697.8	1675.1	1651.3	1621.6	1593.4
35°	1709.9	1702.0	1700.3	1686.5	1672.3	1669.9	1648.2	1624.4	1600.3	1567.5	1543.0
36°	1647.5	1638.2	1632.0	1627.2	1617.8	1606.5	1585.1	1566.1	1535.1	1514.1	1479.6
37°	1562.3	1550.9	1556.8	1543.7	1529.2	1524.4	1497.2	1479.9	1453.7	1425.1	1395.8
38°	1463.0	1462.0	1460.6	1454.7	1429.9	1417.2	1405.8	1387.5	1364.8	1330.3	1290.6
39°	1337.5	1339.6	1332.3	1333.0	1320.6	1307.9	1292.0	1271.3	1243.7	1212.3	1180.3
40°	1215.5	1186.1	1191.3	1173.7	1174.8	1155.8	1135.1	1116.8	1099.2	1071.7	1027.9
42.5°	841.0	836.5	821.0	810.0	814.8	790.3	763.1	737.5	713.1	682.0	643.8
45°	454.5	444.1	447.2	429.3	429.3	418.3	410.7	389.3	366.5	352.4	330.3
47.5°	169.0	171.0	174.8	167.6	159.3	164.1	156.9	156.9	153.1	148.6	142.4
50°	45.9	46.5	45.9	45.9	44.8	44.1	42.8	42.4	42.1	41.0	39.3
52.5°	18.6	17.6	17.6	17.9	17.9	17.2	17.6	17.6	17.2	16.9	16.9
55°	3.1	3.4	3.4	3.4	3.4	3.1	3.1	3.4	3.8	3.4	3.4
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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	19.3	16.9	14.1	11.7	9.3	7.9	7.2	7.6
5°	32.8	24.8	16.2	10.3	7.2	5.5	4.5	4.1
7.5°	50.3	34.1	18.3	9.0	5.5	2.8	1.7	1.4
10°	77.2	44.5	19.7	7.6	3.4	0.7	0.0	0.0
12.5°	198.3	54.5	20.0	6.2	1.4	0.0	0.0	0.0
15°	407.6	83.1	19.3	4.5	0.3	0.0	0.0	0.0
17.5°	677.5	127.2	16.9	3.1	0.0	0.0	0.0	0.0
20°	939.9	157.6	13.4	1.4	0.0	0.0	0.0	0.0
21°	1018.9	166.5	12.1	1.0	0.0	0.0	0.0	0.0
22°	1083.4	173.1	10.7	0.7	0.0	0.0	0.0	0.0
23°	1137.2	176.5	9.3	0.3	0.0	0.0	0.0	0.0
24°	1174.8	177.2	8.6	0.3	0.0	0.0	0.0	0.0
25°	1192.7	174.8	7.6	0.0	0.0	0.0	0.0	0.0
26°	1199.6	170.0	6.9	0.0	0.0	0.0	0.0	0.0
27°	1194.4	163.8	6.2	0.0	0.0	0.0	0.0	0.0
28°	1185.1	154.5	5.2	0.0	0.0	0.0	0.0	0.0
29°	1166.8	142.1	4.5	0.0	0.0	0.0	0.0	0.0
30°	1149.2	129.3	3.8	0.0	0.0	0.0	0.0	0.0
31°	1129.2	117.9	3.1	0.0	0.0	0.0	0.0	0.0
32°	1104.8	104.8	2.4	0.0	0.0	0.0	0.0	0.0
33°	1064.1	92.8	1.7	0.0	0.0	0.0	0.0	0.0
34°	1007.2	81.4	1.4	0.0	0.0	0.0	0.0	0.0
35°	931.0	69.3	1.0	0.0	0.0	0.0	0.0	0.0
36°	847.5	56.5	0.7	0.0	0.0	0.0	0.0	0.0
37°	745.5	41.0	0.7	0.0	0.0	0.0	0.0	0.0
38°	638.9	25.9	0.3	0.0	0.0	0.0	0.0	0.0
39°	530.0	19.7	0.3	0.0	0.0	0.0	0.0	0.0
40°	430.3	16.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	230.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	135.9	6.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	27.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.7	1.0	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	0.7	1.0	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.7	1.0	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)