

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: P1317680

Luminaire Tested: P3SQAS05R259835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317680
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: P3SQAS05R259835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

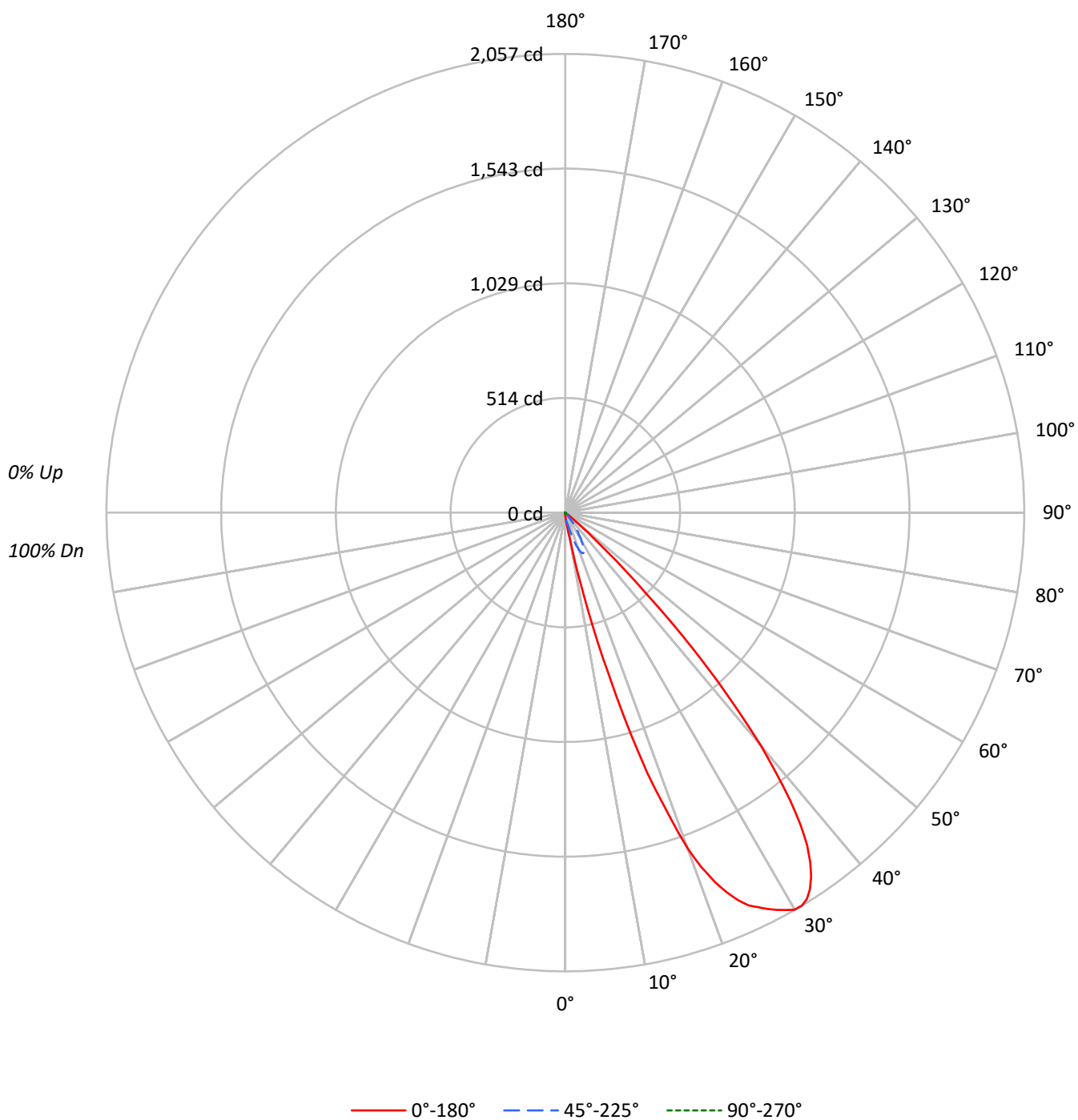
Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2187	2187	2187	2187	2187
5°	6881	4806	2005	1072	795
10°	21668	8709	1486	140	0
15°	133991	16582	891	0	0
20°	293791	32330	275	0	0
25°	369317	37188	0	0	0
30°	408828	28776	0	0	0
35°	402430	16315	0	0	0
40°	305891	4249	0	0	0
45°	123899	1875	0	0	0
50°	13745	214	0	0	0
55°	1051	0	120	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 123899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.5
10°-20°	41.6	10.3
20°-30°	145.5	36.1
30°-40°	162.3	40.3
40°-50°	49.0	12.2
50°-60°	1.6	0.4
60°-70°	0.2	0.1
70°-80°	0.4	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°	189.1	46.9
0°-40°	351.4	87.2
0°-60°	402.1	99.8
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	40	28	12	6	5	6
15°	752	93	5	0	0	250
25°	1944	196	0	0	0	887
35°	1914	78	0	0	0	1149
45°	509	8	0	0	0	439
55°	4	0	0	0	0	11
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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	22.0	22.8	22.4	22.8	22.4	22.4	22.4	22.8	22.4	22.4	22.4
5°	39.8	40.1	40.1	39.8	39.8	40.5	39.8	40.1	39.0	39.8	39.4
7.5°	65.2	64.5	64.5	64.8	64.8	64.1	63.7	62.9	63.7	63.7	62.5
10°	123.9	123.1	121.2	120.4	121.2	121.2	117.3	118.1	118.5	115.0	113.9
12.5°	364.0	361.3	366.7	358.2	353.2	345.1	349.7	333.9	330.4	328.1	322.7
15°	751.5	772.0	763.1	763.9	765.4	746.1	752.7	728.8	708.7	702.5	698.3
17.5°	1225.5	1231.7	1223.6	1219.7	1218.2	1208.9	1197.7	1185.8	1170.3	1156.8	1145.6
20°	1603.0	1598.4	1584.5	1586.0	1569.5	1561.0	1551.3	1539.3	1527.4	1507.7	1488.8
21°	1702.6	1689.1	1689.5	1680.2	1679.8	1669.0	1652.1	1639.7	1628.9	1606.5	1594.5
22°	1784.5	1781.4	1774.4	1767.5	1760.1	1754.7	1735.8	1729.6	1707.6	1689.1	1672.1
23°	1848.1	1849.3	1843.1	1838.5	1828.5	1826.1	1801.8	1793.3	1778.3	1750.1	1732.7
24°	1901.0	1899.1	1892.1	1884.0	1878.2	1872.8	1854.3	1840.4	1823.8	1800.7	1783.7
25°	1943.5	1938.8	1934.2	1928.0	1918.8	1912.6	1893.7	1878.2	1864.0	1838.1	1814.9
26°	1968.6	1969.7	1962.4	1957.8	1949.7	1943.5	1923.8	1905.7	1887.9	1860.1	1839.3
27°	1994.0	1992.9	1986.3	1979.4	1970.9	1968.6	1945.8	1926.9	1908.7	1879.4	1854.7
28°	2017.6	2014.5	2009.1	2001.0	1991.7	1984.8	1962.8	1943.1	1923.4	1892.1	1865.1
29°	2037.3	2034.2	2030.7	2020.3	2008.3	2003.7	1980.1	1956.2	1936.5	1904.5	1875.9
30°	2055.8	2050.0	2041.9	2033.0	2021.5	2012.6	1987.9	1967.0	1943.9	1908.4	1880.9
31°	2056.6	2048.9	2043.1	2033.8	2020.7	2009.9	1984.0	1962.8	1935.8	1902.6	1872.8
32°	2043.1	2039.2	2029.9	2019.9	2007.2	1996.4	1967.8	1945.4	1919.9	1884.4	1854.7
33°	2012.6	2008.7	2003.3	1992.9	1976.3	1966.3	1940.8	1916.1	1891.0	1858.9	1825.0
34°	1970.5	1965.9	1958.9	1948.5	1931.5	1921.1	1900.6	1875.2	1848.5	1815.3	1783.7
35°	1914.1	1905.3	1903.3	1887.9	1872.1	1869.4	1845.1	1818.4	1791.4	1754.7	1727.3
36°	1844.3	1833.9	1826.9	1821.5	1811.1	1798.3	1774.4	1753.2	1718.4	1694.9	1656.3
37°	1748.9	1736.2	1742.8	1728.1	1711.9	1706.5	1676.0	1656.7	1627.4	1595.3	1562.5
38°	1637.8	1636.6	1635.1	1628.5	1600.7	1586.4	1573.7	1553.2	1527.8	1489.2	1444.8
39°	1497.3	1499.6	1491.5	1492.3	1478.4	1464.1	1446.3	1423.2	1392.3	1357.2	1321.3
40°	1360.6	1327.8	1333.6	1313.9	1315.1	1293.9	1270.7	1250.2	1230.5	1199.7	1150.6
42.5°	941.4	936.4	919.1	906.7	912.1	884.7	854.2	825.6	798.2	763.5	720.7
45°	508.7	497.2	500.6	480.6	480.6	468.2	459.7	435.8	410.3	394.5	369.8
47.5°	189.1	191.5	195.7	187.6	178.3	183.7	175.6	175.6	171.4	166.4	159.4
50°	51.3	52.1	51.3	51.3	50.2	49.4	47.9	47.5	47.1	45.9	44.0
52.5°	20.8	19.7	19.7	20.1	20.1	19.3	19.7	19.7	19.3	18.9	18.9
55°	3.5	3.9	3.9	3.9	3.9	3.5	3.5	3.9	4.2	3.9	3.9
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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	21.6	18.9	15.8	13.1	10.4	8.9	8.1	8.5
5°	36.7	27.8	18.1	11.6	8.1	6.2	5.0	4.6
7.5°	56.4	38.2	20.5	10.0	6.2	3.1	1.9	1.5
10°	86.5	49.8	22.0	8.5	3.9	0.8	0.0	0.0
12.5°	221.9	61.0	22.4	6.9	1.5	0.0	0.0	0.0
15°	456.2	93.0	21.6	5.0	0.4	0.0	0.0	0.0
17.5°	758.5	142.4	18.9	3.5	0.0	0.0	0.0	0.0
20°	1052.2	176.4	15.1	1.5	0.0	0.0	0.0	0.0
21°	1140.6	186.4	13.5	1.2	0.0	0.0	0.0	0.0
22°	1212.8	193.8	12.0	0.8	0.0	0.0	0.0	0.0
23°	1273.0	197.6	10.4	0.4	0.0	0.0	0.0	0.0
24°	1315.1	198.4	9.6	0.4	0.0	0.0	0.0	0.0
25°	1335.2	195.7	8.5	0.0	0.0	0.0	0.0	0.0
26°	1342.9	190.3	7.7	0.0	0.0	0.0	0.0	0.0
27°	1337.1	183.3	6.9	0.0	0.0	0.0	0.0	0.0
28°	1326.7	172.9	5.8	0.0	0.0	0.0	0.0	0.0
29°	1306.2	159.0	5.0	0.0	0.0	0.0	0.0	0.0
30°	1286.5	144.7	4.2	0.0	0.0	0.0	0.0	0.0
31°	1264.1	132.0	3.5	0.0	0.0	0.0	0.0	0.0
32°	1236.7	117.3	2.7	0.0	0.0	0.0	0.0	0.0
33°	1191.2	103.8	1.9	0.0	0.0	0.0	0.0	0.0
34°	1127.5	91.1	1.5	0.0	0.0	0.0	0.0	0.0
35°	1042.2	77.6	1.2	0.0	0.0	0.0	0.0	0.0
36°	948.8	63.3	0.8	0.0	0.0	0.0	0.0	0.0
37°	834.5	45.9	0.8	0.0	0.0	0.0	0.0	0.0
38°	715.2	28.9	0.4	0.0	0.0	0.0	0.0	0.0
39°	593.3	22.0	0.4	0.0	0.0	0.0	0.0	0.0
40°	481.7	18.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	257.8	12.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	152.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	84.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	30.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	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	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	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)