

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: P1316804

Luminaire Tested: P3SQAS05R259830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316804
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: P3SQAS05R259830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

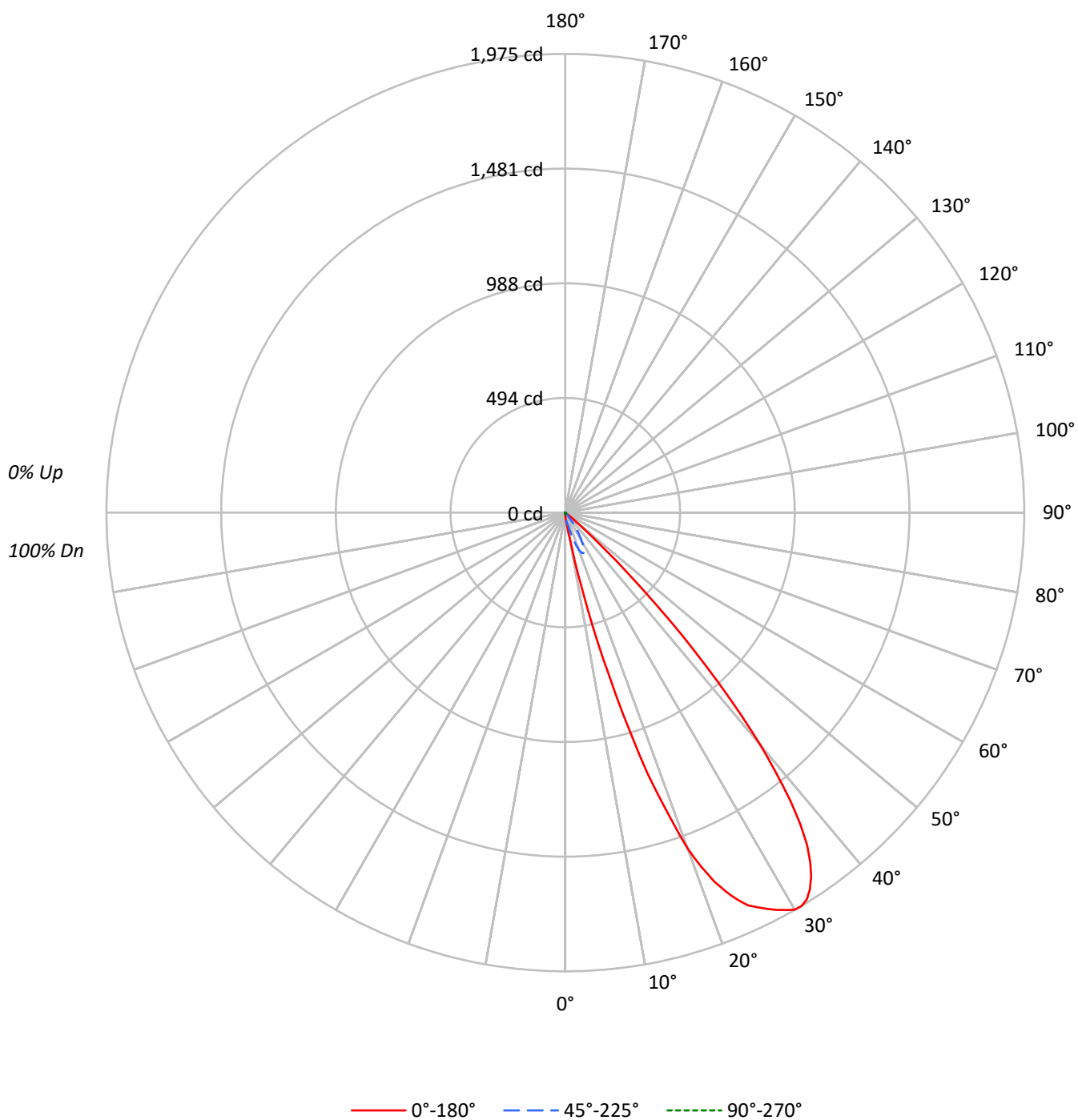
Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316804

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316804

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	2101	2101	2101	2101	2101
5°	6604	4616	1919	1020	761
10°	20811	8359	1434	122	0
15°	128678	15922	856	0	0
20°	282134	31047	275	0	0
25°	354647	35706	0	0	0
30°	392600	27642	0	0	0
35°	386451	15663	0	0	0
40°	293751	4092	0	0	0
45°	118979	1802	0	0	0
50°	13209	188	0	0	0
55°	991	0	120	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	732	0	0
80°	0	397	1091	0	0
85°	0	790	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118979 cd/sqm

TEST NUMBER: P1316804

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.5
10°-20°	40.0	10.3
20°-30°	139.7	36.1
30°-40°	155.9	40.3
40°-50°	47.1	12.2
50°-60°	1.6	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°	181.6	46.9
0°-40°	337.5	87.2
0°-60°	386.1	99.8
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	38	27	11	6	4	6
15°	722	89	5	0	0	240
25°	1866	188	0	0	0	851
35°	1838	74	0	0	0	1104
45°	488	7	0	0	0	422
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	

TEST NUMBER: P1316804

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	21.1	21.9	21.5	21.9	21.5	21.5	21.5	21.9	21.5	21.5	21.5
5°	38.2	38.5	38.5	38.2	38.2	38.9	38.2	38.5	37.4	38.2	37.8
7.5°	62.6	61.9	61.9	62.3	62.3	61.5	61.2	60.4	61.2	61.2	60.0
10°	119.0	118.2	116.4	115.6	116.4	116.4	112.7	113.4	113.8	110.5	109.3
12.5°	349.5	346.9	352.1	344.0	339.2	331.4	335.8	320.6	317.3	315.1	309.9
15°	721.7	741.3	732.8	733.6	735.0	716.5	722.8	699.8	680.5	674.6	670.5
17.5°	1176.9	1182.8	1175.0	1171.3	1169.8	1160.9	1150.2	1138.7	1123.9	1110.9	1100.1
20°	1539.4	1534.9	1521.6	1523.1	1507.1	1499.0	1489.7	1478.2	1466.7	1447.8	1429.7
21°	1635.0	1622.0	1622.4	1613.5	1613.2	1602.8	1586.5	1574.6	1564.2	1542.7	1531.2
22°	1713.6	1710.6	1704.0	1697.3	1690.3	1685.1	1666.9	1661.0	1639.8	1622.0	1605.7
23°	1774.8	1775.9	1769.9	1765.5	1755.9	1753.6	1730.3	1722.1	1707.7	1680.6	1663.9
24°	1825.5	1823.7	1817.0	1809.2	1803.7	1798.5	1780.7	1767.4	1751.4	1729.2	1712.9
25°	1866.3	1861.9	1857.4	1851.5	1842.6	1836.7	1818.5	1803.7	1790.0	1765.1	1742.9
26°	1890.4	1891.5	1884.5	1880.0	1872.3	1866.3	1847.4	1830.0	1812.9	1786.3	1766.2
27°	1914.9	1913.8	1907.5	1900.8	1892.6	1890.4	1868.5	1850.4	1833.0	1804.8	1781.1
28°	1937.5	1934.5	1929.3	1921.5	1912.7	1906.0	1884.9	1865.9	1847.0	1817.0	1791.1
29°	1956.4	1953.4	1950.1	1940.1	1928.6	1924.1	1901.5	1878.6	1859.6	1828.9	1801.5
30°	1974.2	1968.6	1960.8	1952.3	1941.2	1932.7	1908.9	1888.9	1866.7	1832.6	1806.3
31°	1974.9	1967.5	1962.0	1953.1	1940.5	1930.1	1905.2	1884.9	1858.9	1827.0	1798.5
32°	1962.0	1958.2	1949.3	1939.7	1927.5	1917.1	1889.7	1868.2	1843.7	1809.6	1781.1
33°	1932.7	1929.0	1923.8	1913.8	1897.8	1888.2	1863.7	1840.0	1815.9	1785.1	1752.5
34°	1892.3	1887.8	1881.1	1871.1	1854.8	1844.8	1825.2	1800.7	1775.1	1743.3	1712.9
35°	1838.1	1829.6	1827.8	1812.9	1797.7	1795.2	1771.8	1746.2	1720.3	1685.1	1658.7
36°	1771.1	1761.0	1754.4	1749.2	1739.2	1726.9	1704.0	1683.6	1650.2	1627.6	1590.5
37°	1679.5	1667.3	1673.6	1659.5	1643.9	1638.7	1609.4	1590.9	1562.7	1532.0	1500.5
38°	1572.7	1571.6	1570.2	1563.9	1537.2	1523.5	1511.2	1491.6	1467.1	1430.0	1387.4
39°	1437.8	1440.1	1432.3	1433.0	1419.7	1405.9	1388.9	1366.7	1337.0	1303.3	1268.8
40°	1306.6	1275.1	1280.7	1261.8	1262.9	1242.5	1220.2	1200.6	1181.7	1152.0	1105.0
42.5°	904.1	899.2	882.6	870.7	875.9	849.6	820.3	792.9	766.5	733.2	692.0
45°	488.5	477.4	480.8	461.5	461.5	449.6	441.5	418.5	394.0	378.8	355.1
47.5°	181.6	183.9	187.9	180.1	171.2	176.4	168.7	168.7	164.6	159.8	153.1
50°	49.3	50.0	49.3	49.3	48.2	47.4	46.0	45.6	45.2	44.1	42.3
52.5°	20.0	18.9	18.9	19.3	19.3	18.5	18.9	18.9	18.5	18.2	18.2
55°	3.3	3.7	3.7	3.7	3.7	3.3	3.3	3.7	4.1	3.7	3.7
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



TEST NUMBER: P1316804

CATALOG NUMBER: P3SQAS05R259830DE010 E3SQCA301MMS

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°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	20.8	18.2	15.2	12.6	10.0	8.5	7.8	8.2
5°	35.2	26.7	17.4	11.1	7.8	5.9	4.8	4.4
7.5°	54.1	36.7	19.6	9.6	5.9	3.0	1.9	1.5
10°	83.0	47.8	21.1	8.2	3.7	0.7	0.0	0.0
12.5°	213.1	58.6	21.5	6.7	1.5	0.0	0.0	0.0
15°	438.1	89.3	20.8	4.8	0.4	0.0	0.0	0.0
17.5°	728.4	136.8	18.2	3.3	0.0	0.0	0.0	0.0
20°	1010.4	169.4	14.5	1.5	0.0	0.0	0.0	0.0
21°	1095.3	179.0	13.0	1.1	0.0	0.0	0.0	0.0
22°	1164.6	186.1	11.5	0.7	0.0	0.0	0.0	0.0
23°	1222.5	189.8	10.0	0.4	0.0	0.0	0.0	0.0
24°	1262.9	190.5	9.3	0.4	0.0	0.0	0.0	0.0
25°	1282.1	187.9	8.2	0.0	0.0	0.0	0.0	0.0
26°	1289.6	182.7	7.4	0.0	0.0	0.0	0.0	0.0
27°	1284.0	176.1	6.7	0.0	0.0	0.0	0.0	0.0
28°	1274.0	166.1	5.6	0.0	0.0	0.0	0.0	0.0
29°	1254.3	152.7	4.8	0.0	0.0	0.0	0.0	0.0
30°	1235.4	139.0	4.1	0.0	0.0	0.0	0.0	0.0
31°	1213.9	126.8	3.3	0.0	0.0	0.0	0.0	0.0
32°	1187.6	112.7	2.6	0.0	0.0	0.0	0.0	0.0
33°	1143.9	99.7	1.9	0.0	0.0	0.0	0.0	0.0
34°	1082.7	87.5	1.5	0.0	0.0	0.0	0.0	0.0
35°	1000.8	74.5	1.1	0.0	0.0	0.0	0.0	0.0
36°	911.1	60.8	0.7	0.0	0.0	0.0	0.0	0.0
37°	801.4	44.1	0.7	0.0	0.0	0.0	0.0	0.0
38°	686.9	27.8	0.4	0.0	0.0	0.0	0.0	0.0
39°	569.7	21.1	0.4	0.0	0.0	0.0	0.0	0.0
40°	462.6	18.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	247.6	12.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	146.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	81.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	29.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.1	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	0.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.7	0.7	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.7	0.7	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.7	1.1	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	0.7	1.1	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.7	1.1	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)