

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: P1310772

Luminaire Tested: P3SQAS24R709040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R709040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

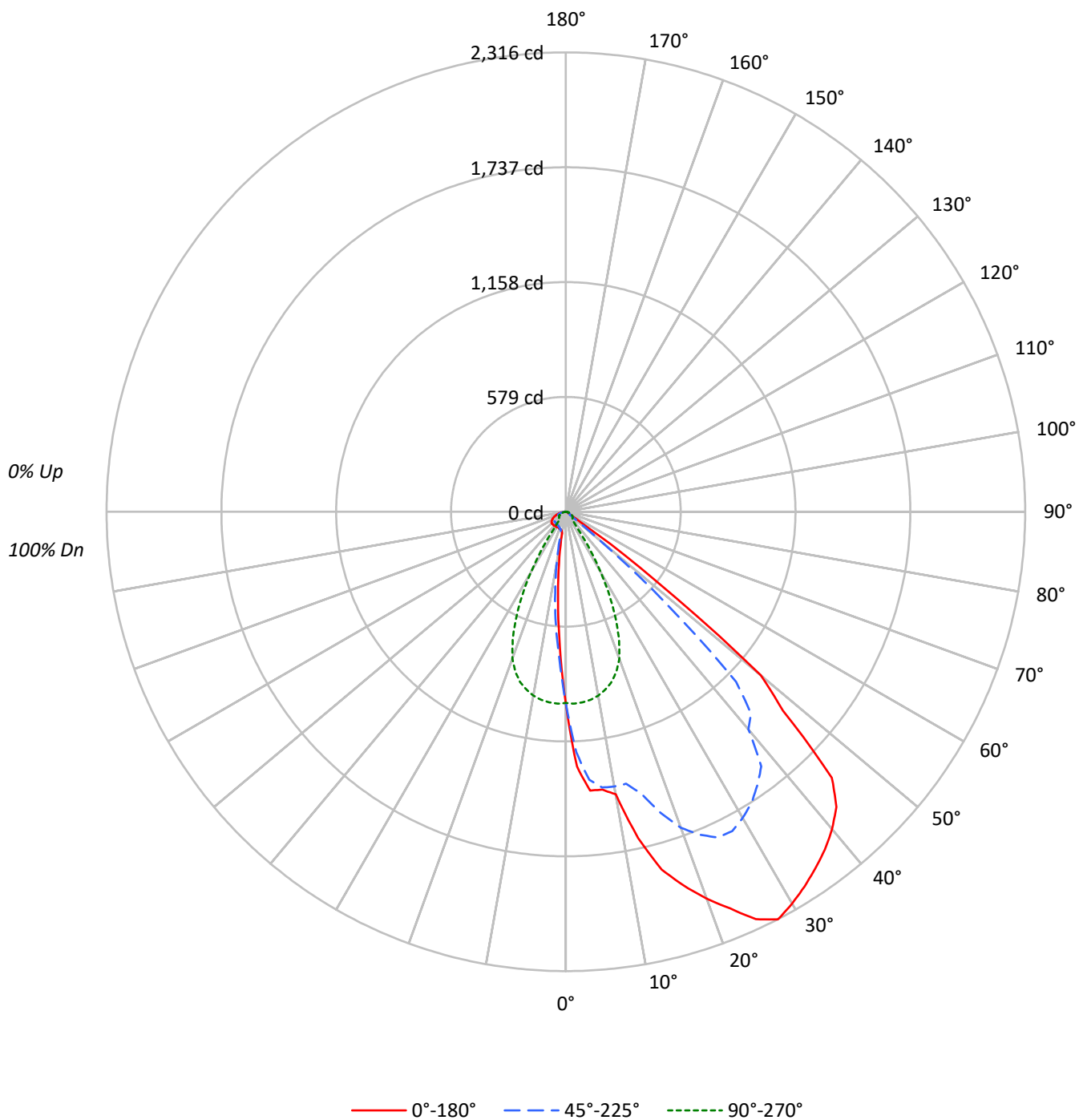
Lumens per Lamp: N/A
Luminaire Lumens: 1831.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	166023	166023	166023	166023	166023
5°	243883	234547	166657	99493	77935
10°	252876	245968	164597	47602	19254
15°	333025	262276	158543	17045	16671
20°	380388	310707	144311	16367	16751
25°	430733	344271	113313	15791	16589
30°	453652	354498	70239	15690	17759
35°	461278	353821	23148	16168	18775
40°	469426	321831	11219	17289	20549
45°	462008	295511	11642	18218	22261
50°	343461	54551	11682	20041	24489
55°	27444	7476	12491	21198	26213
60°	5718	7888	12159	21459	27177
65°	5909	7621	11859	21150	27955
70°	5237	7301	11531	19890	27191
75°	4126	6920	9649	19364	26284
80°	4166	6149	10315	18546	24696
85°	4150	8299	12251	16401	20551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 467561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	4.8
10°-20°	246.7	13.5
20°-30°	414.2	22.6
30°-40°	498.1	27.2
40°-50°	394.9	21.6
50°-60°	126.3	6.9
60°-70°	35.3	1.9
70°-80°	21.0	1.1
80°-90°	6.6	0.4
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°	748.7	40.9
0°-40°	1246.8	68.1
0°-60°	1768.0	96.6
0°-90°	1831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1831.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	964	964	964	964	964	
5°	1411	1357	964	576	451	133
15°	1868	1471	889	96	94	525
25°	2267	1812	596	83	87	1036
35°	2194	1683	110	77	89	1374
45°	1897	1213	48	75	91	1362
55°	91	25	42	71	87	286
65°	14	19	29	52	69	14
75°	6	10	14	29	40	7
85°	2	4	6	8	10	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	964.0	964.0	964.0	964.0	964.0	964.0	964.0	964.0	964.0	964.0	964.0
2.5°	1286.0	1294.4	1294.4	1284.0	1288.1	1271.5	1259.0	1240.3	1236.2	1213.3	1184.2
5°	1410.7	1406.5	1406.5	1398.2	1402.4	1396.2	1389.9	1385.8	1373.3	1356.7	1340.1
7.5°	1412.8	1416.9	1419.0	1416.9	1425.2	1419.0	1419.0	1419.0	1410.7	1402.4	1385.8
10°	1446.0	1439.8	1433.6	1419.0	1410.7	1404.5	1404.5	1406.5	1410.7	1406.5	1396.2
12.5°	1684.9	1662.1	1651.7	1616.4	1589.4	1543.7	1491.7	1452.3	1416.9	1404.5	1396.2
15°	1867.8	1863.6	1842.8	1809.6	1776.4	1722.3	1662.1	1601.8	1537.4	1471.0	1423.2
17.5°	1975.8	1967.5	1946.7	1911.4	1871.9	1822.1	1774.3	1728.6	1666.2	1591.5	1514.6
20°	2075.5	2056.8	2029.8	1988.3	1948.8	1901.0	1849.1	1805.5	1753.5	1695.3	1606.0
22.5°	2164.9	2148.3	2104.6	2048.5	2009.1	1963.3	1917.6	1876.1	1828.3	1761.8	1680.8
25°	2266.7	2229.3	2158.6	2085.9	2038.1	2000.7	1967.5	1934.3	1884.4	1811.7	1716.1
27.5°	2316.5	2264.6	2187.7	2115.0	2069.3	2029.8	1994.5	1961.3	1905.2	1815.8	1705.7
30°	2281.2	2252.1	2198.1	2142.0	2104.6	2067.2	2025.7	1975.8	1886.5	1782.6	1680.8
32.5°	2239.7	2225.1	2200.2	2167.0	2144.1	2106.7	2048.5	1967.5	1842.8	1741.0	1630.9
35°	2194.0	2187.7	2179.4	2164.9	2150.3	2115.0	2042.3	1923.9	1799.2	1682.9	1576.9
37.5°	2146.2	2139.9	2146.2	2144.1	2131.6	2085.9	1975.8	1865.7	1736.9	1618.5	1412.8
40°	2088.0	2083.9	2094.2	2104.6	2090.1	2029.8	1911.4	1778.4	1664.2	1431.5	1360.8
42.5°	2019.4	2017.4	2036.1	2044.4	2023.6	1934.3	1795.1	1697.4	1456.4	1381.6	1215.4
45°	1896.9	1901.0	1909.3	1919.7	1907.3	1809.6	1682.9	1504.2	1398.2	1213.3	691.8
47.5°	1485.5	1489.7	1531.2	1618.5	1678.7	1645.5	1537.4	1404.5	1250.7	693.9	218.1
50°	1281.9	1277.7	1279.8	1300.6	1348.4	1394.1	1360.8	1288.1	745.9	203.6	27.0
52.5°	563.0	625.4	691.8	878.8	999.3	1126.1	1151.0	806.1	243.1	27.0	27.0
55°	91.4	95.6	120.5	176.6	317.9	479.9	581.7	270.1	24.9	24.9	24.9
57.5°	18.7	18.7	18.7	20.8	31.2	66.5	76.9	22.9	22.9	22.9	24.9
60°	16.6	16.6	16.6	16.6	18.7	18.7	18.7	20.8	20.8	22.9	22.9
62.5°	16.6	16.6	16.6	16.6	16.6	16.6	18.7	18.7	20.8	20.8	22.9
65°	14.5	14.5	14.5	14.5	16.6	16.6	16.6	16.6	18.7	18.7	20.8
67.5°	12.5	12.5	12.5	12.5	14.5	14.5	14.5	16.6	16.6	16.6	18.7
70°	10.4	10.4	10.4	10.4	12.5	12.5	12.5	12.5	14.5	14.5	14.5
72.5°	8.3	8.3	8.3	8.3	10.4	10.4	10.4	10.4	12.5	12.5	12.5
75°	6.2	6.2	8.3	8.3	8.3	8.3	8.3	8.3	10.4	10.4	10.4
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3	8.3
80°	4.2	4.2	4.2	4.2	4.2	4.2	6.2	6.2	6.2	6.2	6.2
82.5°	2.1	2.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	964.0	964.0	964.0	964.0	964.0	964.0	964.0	964.0
2.5°	1165.5	1136.5	1097.0	968.2	849.7	741.7	687.7	681.5
5°	1313.1	1286.0	1219.6	964.0	737.6	575.5	477.9	450.8
7.5°	1369.2	1346.3	1288.1	955.7	631.6	413.4	303.3	261.8
10°	1383.7	1369.2	1319.3	941.2	521.5	272.2	143.4	110.1
12.5°	1389.9	1379.5	1331.8	918.3	411.4	141.3	97.6	97.6
15°	1400.3	1389.9	1344.2	889.2	303.3	95.6	93.5	93.5
17.5°	1446.0	1412.8	1360.8	845.6	199.5	91.4	91.4	91.4
20°	1520.8	1448.1	1369.2	787.4	124.7	89.3	89.3	91.4
22.5°	1583.1	1485.5	1367.1	700.2	91.4	85.2	87.3	89.3
25°	1610.2	1502.1	1348.4	596.3	78.9	83.1	87.3	87.3
27.5°	1606.0	1508.4	1331.8	477.9	74.8	81.0	85.2	89.3
30°	1583.1	1491.7	1294.4	353.2	70.6	78.9	85.2	89.3
32.5°	1543.7	1427.3	1219.6	228.5	68.6	78.9	85.2	89.3
35°	1414.9	1323.4	1111.5	110.1	66.5	76.9	87.3	89.3
37.5°	1340.1	1213.3	847.7	54.0	64.4	76.9	87.3	89.3
40°	1219.6	905.8	382.3	49.9	64.4	76.9	87.3	91.4
42.5°	766.6	371.9	62.3	47.8	62.3	76.9	87.3	91.4
45°	280.5	49.9	33.2	47.8	62.3	74.8	87.3	91.4
47.5°	29.1	29.1	31.2	45.7	60.3	74.8	87.3	91.4
50°	27.0	29.1	31.2	43.6	58.2	74.8	85.2	91.4
52.5°	27.0	29.1	31.2	43.6	56.1	72.7	85.2	91.4
55°	27.0	29.1	29.1	41.6	54.0	70.6	83.1	87.3
57.5°	24.9	27.0	29.1	39.5	51.9	66.5	81.0	85.2
60°	24.9	27.0	29.1	35.3	49.9	62.3	76.9	78.9
62.5°	22.9	24.9	27.0	33.2	45.7	58.2	70.6	74.8
65°	22.9	22.9	24.9	29.1	41.6	51.9	64.4	68.6
67.5°	18.7	20.8	20.8	24.9	35.3	45.7	58.2	62.3
70°	16.6	16.6	18.7	22.9	31.2	39.5	49.9	54.0
72.5°	14.5	14.5	14.5	18.7	27.0	35.3	43.6	47.8
75°	12.5	12.5	12.5	14.5	22.9	29.1	37.4	39.5
77.5°	10.4	10.4	10.4	12.5	18.7	24.9	29.1	33.2
80°	8.3	8.3	8.3	10.4	14.5	18.7	22.9	24.9
82.5°	6.2	6.2	6.2	8.3	10.4	12.5	16.6	16.6
85°	4.2	4.2	4.2	6.2	6.2	8.3	10.4	10.4
87.5°	2.1	2.1	2.1	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)