

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: P1309512

Luminaire Tested: P3SQAS20R709035D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R709035D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

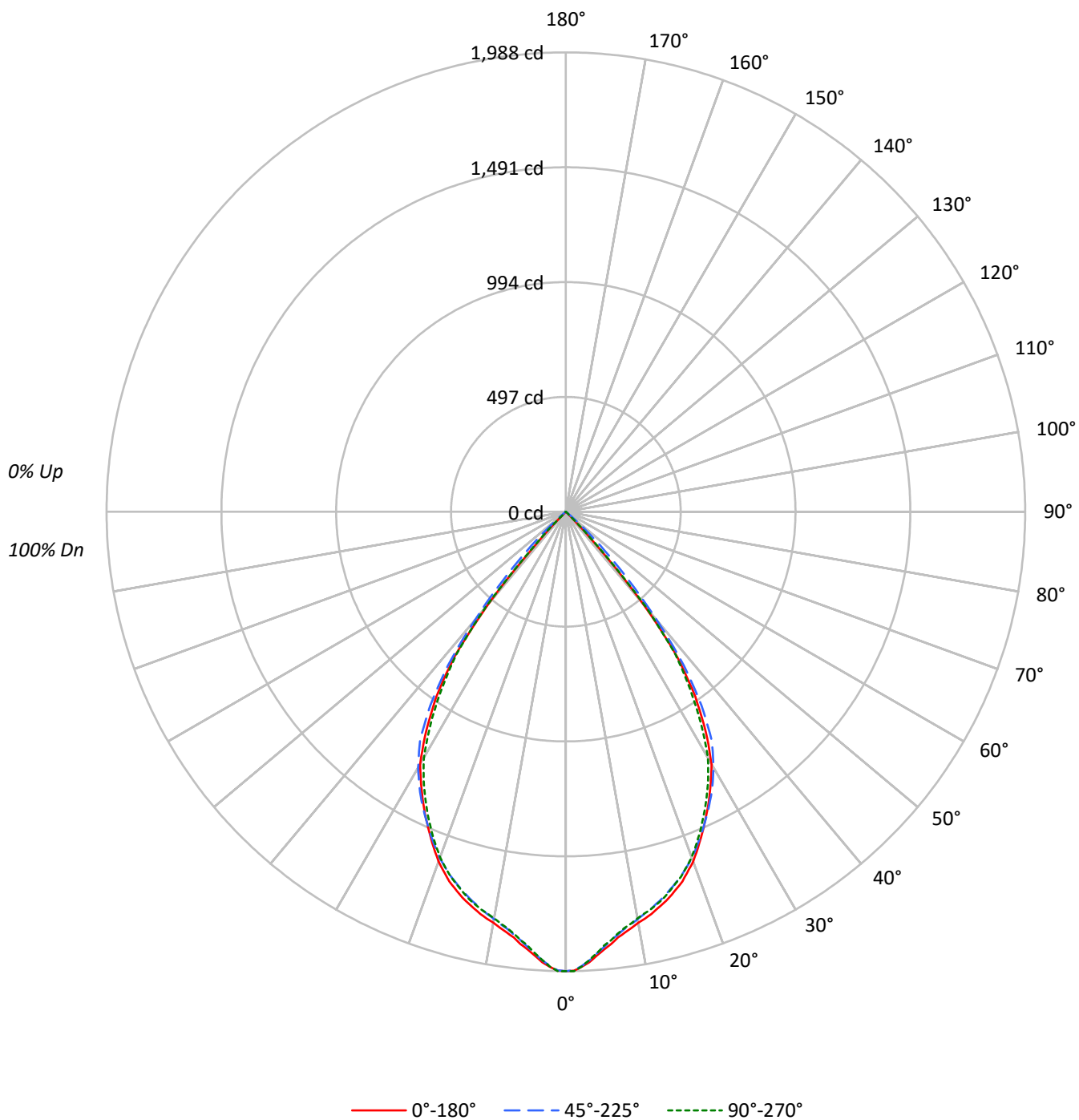
Lumens per Lamp: N/A  
Luminaire Lumens: 2057.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  |  | 73  | 69  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 342430 | 342430 | 342430 |
| 5°  | 328698 | 326900 | 325983 |
| 10° | 315762 | 313034 | 312422 |
| 15° | 308295 | 303945 | 304569 |
| 20° | 295220 | 292343 | 291720 |
| 25° | 274037 | 274684 | 270389 |
| 30° | 250809 | 254250 | 244565 |
| 35° | 205178 | 215039 | 197126 |
| 40° | 118098 | 137658 | 121246 |
| 45° | 1705   | 57188  | 5943   |
| 50° | 0      | 6055   | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 57188 cd/sqm

TEST NUMBER: P1309512

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 177.4  | 8.6       |
| 10°-20°   | 480.7  | 23.4      |
| 20°-30°   | 660.3  | 32.1      |
| 30°-40°   | 598.7  | 29.1      |
| 40°-50°   | 139.1  | 6.8       |
| 50°-60°   | 0.7    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 1318.4 | 64.1      |
| 0°-40°    | 1917.1 | 93.2      |
| 0°-60°    | 2057.0 | 100.0     |
| 0°-90°    | 2057.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2057.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1988 | 1988  | 1988 | 1988  | 1988 |      |
| 5°  | 1901 | 1896  | 1891 | 1887  | 1886 | 178  |
| 15° | 1729 | 1717  | 1705 | 1705  | 1708 | 485  |
| 25° | 1442 | 1449  | 1446 | 1432  | 1423 | 662  |
| 35° | 976  | 990   | 1023 | 979   | 938  | 586  |
| 45° | 7    | 78    | 235  | 101   | 24   | 84   |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1309512

CATALOG NUMBER: P3SQAS20R709035D010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1988.3 | 1988.3 | 1988.3 | 1988.3 | 1988.3 |
| 1°    | 1986.5 | 1983.0 | 1984.8 | 1986.5 | 1988.3 |
| 2°    | 1970.9 | 1967.4 | 1967.4 | 1969.1 | 1969.1 |
| 3°    | 1951.7 | 1944.8 | 1944.8 | 1943.0 | 1943.0 |
| 4°    | 1925.6 | 1920.4 | 1916.9 | 1915.2 | 1915.2 |
| 5°    | 1901.3 | 1896.1 | 1890.9 | 1887.4 | 1885.6 |
| 6°    | 1880.4 | 1871.7 | 1864.8 | 1863.0 | 1864.8 |
| 7°    | 1856.1 | 1850.8 | 1843.9 | 1838.7 | 1840.4 |
| 8°    | 1838.7 | 1831.7 | 1823.0 | 1819.5 | 1819.5 |
| 9°    | 1823.0 | 1816.1 | 1807.4 | 1800.4 | 1803.9 |
| 10°   | 1805.6 | 1798.7 | 1790.0 | 1784.7 | 1786.5 |
| 11°   | 1793.4 | 1784.7 | 1774.3 | 1770.8 | 1772.6 |
| 12°   | 1779.5 | 1769.1 | 1758.7 | 1756.9 | 1760.4 |
| 13°   | 1762.1 | 1751.7 | 1741.3 | 1741.3 | 1744.7 |
| 14°   | 1746.5 | 1734.3 | 1723.9 | 1723.9 | 1729.1 |
| 15°   | 1729.1 | 1716.9 | 1704.7 | 1704.7 | 1708.2 |
| 17.5° | 1676.9 | 1666.5 | 1654.3 | 1654.3 | 1656.0 |
| 20°   | 1610.8 | 1605.6 | 1595.1 | 1589.9 | 1591.7 |
| 22.5° | 1527.3 | 1527.3 | 1522.1 | 1513.4 | 1509.9 |
| 25°   | 1442.1 | 1449.0 | 1445.5 | 1431.6 | 1422.9 |
| 27.5° | 1353.3 | 1365.5 | 1367.3 | 1346.4 | 1330.7 |
| 30°   | 1261.2 | 1271.6 | 1278.5 | 1254.2 | 1229.8 |
| 32.5° | 1125.5 | 1156.8 | 1174.2 | 1141.1 | 1090.7 |
| 35°   | 975.9  | 989.8  | 1022.8 | 979.3  | 937.6  |
| 37.5° | 793.2  | 810.6  | 838.4  | 803.7  | 779.3  |
| 40°   | 525.3  | 594.9  | 612.3  | 594.9  | 539.3  |
| 42.5° | 189.6  | 334.0  | 401.8  | 340.9  | 222.7  |
| 45°   | 7.0    | 78.3   | 234.8  | 100.9  | 24.4   |
| 47.5° | 0.0    | 1.7    | 106.1  | 3.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 22.6   | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 1.7    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)