

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: P1311384

Luminaire Tested: P3SQAS13R559050DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R559050DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

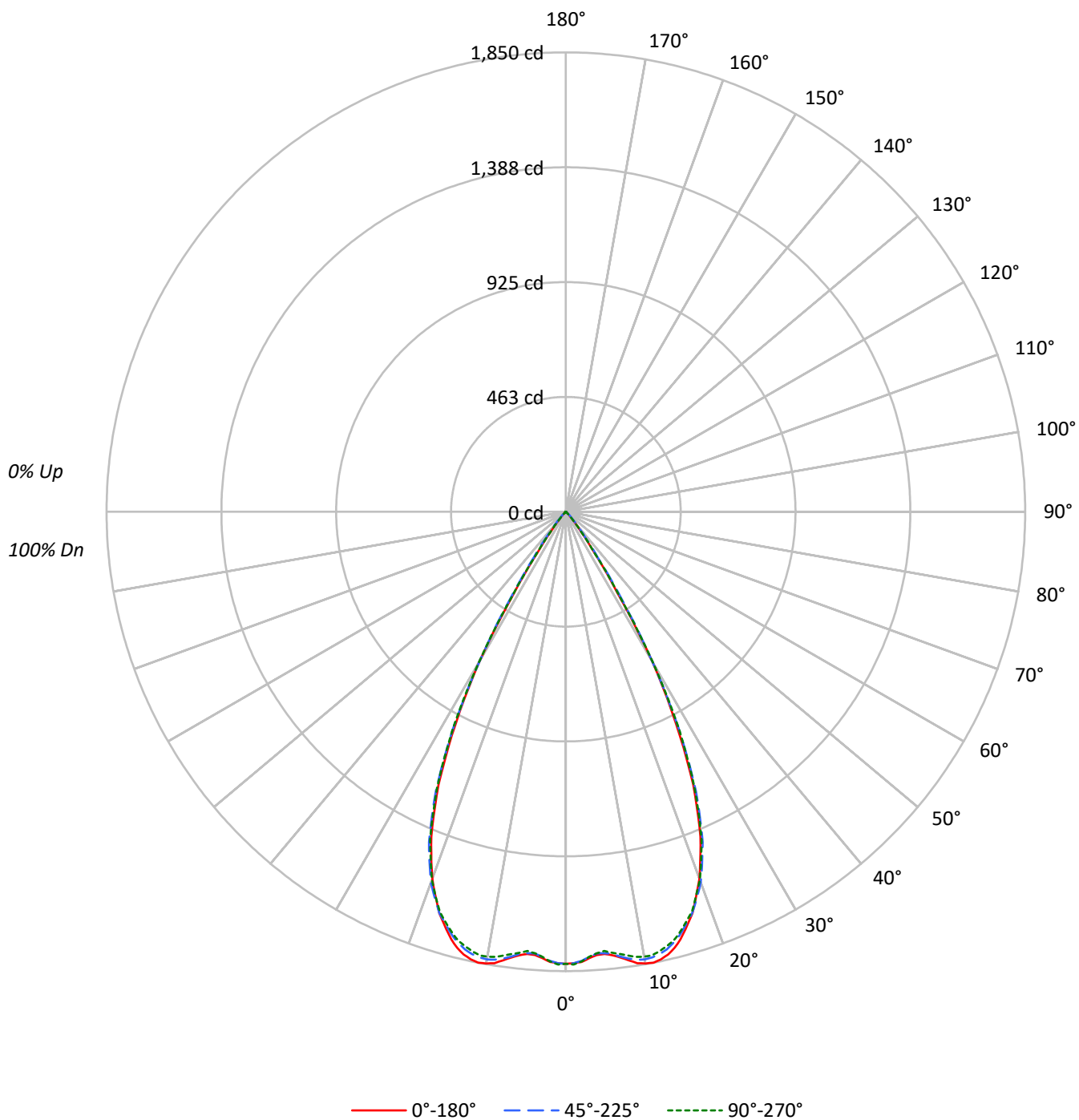
Lumens per Lamp: N/A  
Luminaire Lumens: 1396.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 65  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 313514 | 313514 | 313514 |
| 5°  | 309024 | 308471 | 307001 |
| 10° | 323002 | 320204 | 318176 |
| 15° | 317959 | 315106 | 313787 |
| 20° | 288311 | 291225 | 289080 |
| 25° | 230559 | 235386 | 233182 |
| 30° | 138271 | 138271 | 139962 |
| 35° | 39947  | 47305  | 41292  |
| 40° | 11466  | 15513  | 11466  |
| 45° | 2582   | 5943   | 2582   |
| 50° | 1125   | 1983   | 857    |
| 55° | 961    | 961    | 961    |
| 60° | 1102   | 1102   | 1102   |
| 65° | 856    | 856    | 856    |
| 70° | 1057   | 1057   | 1057   |
| 75° | 732    | 732    | 732    |
| 80° | 1091   | 1091   | 1091   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5943 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 172.6  | 12.4      |
| 10°-20°   | 492.0  | 35.2      |
| 20°-30°   | 542.0  | 38.8      |
| 30°-40°   | 165.8  | 11.9      |
| 40°-50°   | 16.4   | 1.2       |
| 50°-60°   | 3.1    | 0.2       |
| 60°-70°   | 2.4    | 0.2       |
| 70°-80°   | 1.4    | 0.1       |
| 80°-90°   | 0.4    | 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       |
| 0°-30°    | 1206.6 | 86.4      |
| 0°-40°    | 1372.4 | 98.3      |
| 0°-60°    | 1391.8 | 99.7      |
| 0°-90°    | 1396.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1396.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1820 | 1820  | 1820 | 1820  | 1820 |      |
| 5°  | 1788 | 1788  | 1784 | 1779  | 1776 | 173  |
| 15° | 1783 | 1780  | 1767 | 1760  | 1760 | 494  |
| 25° | 1213 | 1225  | 1239 | 1250  | 1227 | 535  |
| 35° | 190  | 200   | 225  | 207   | 196  | 156  |
| 45° | 11   | 16    | 24   | 16    | 11   | 12   |
| 55° | 3    | 3     | 3    | 3     | 3    | 3    |
| 65° | 2    | 2     | 2    | 2     | 2    | 2    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1820.4 | 1820.4 | 1820.4 | 1820.4 | 1820.4 |
| 1°    | 1818.3 | 1819.4 | 1818.3 | 1816.2 | 1823.6 |
| 2°    | 1814.1 | 1813.0 | 1809.8 | 1808.7 | 1811.9 |
| 3°    | 1800.3 | 1800.3 | 1796.0 | 1793.9 | 1794.9 |
| 4°    | 1789.6 | 1789.6 | 1783.3 | 1781.1 | 1782.2 |
| 5°    | 1787.5 | 1787.5 | 1784.3 | 1779.0 | 1775.8 |
| 6°    | 1796.0 | 1798.1 | 1790.7 | 1785.4 | 1785.4 |
| 7°    | 1808.7 | 1809.8 | 1804.5 | 1797.1 | 1794.9 |
| 8°    | 1824.7 | 1825.7 | 1817.2 | 1808.7 | 1804.5 |
| 9°    | 1840.6 | 1838.5 | 1826.8 | 1818.3 | 1815.1 |
| 10°   | 1847.0 | 1845.9 | 1831.0 | 1822.5 | 1819.4 |
| 11°   | 1850.1 | 1844.8 | 1827.8 | 1820.4 | 1819.4 |
| 12°   | 1842.7 | 1838.5 | 1820.4 | 1813.0 | 1809.8 |
| 13°   | 1830.0 | 1823.6 | 1808.7 | 1801.3 | 1797.1 |
| 14°   | 1809.8 | 1803.4 | 1789.6 | 1781.1 | 1782.2 |
| 15°   | 1783.3 | 1780.1 | 1767.3 | 1759.9 | 1759.9 |
| 17.5° | 1695.2 | 1697.3 | 1694.1 | 1690.9 | 1688.8 |
| 20°   | 1573.1 | 1581.6 | 1589.0 | 1584.8 | 1577.3 |
| 22.5° | 1417.1 | 1431.9 | 1440.4 | 1442.5 | 1428.7 |
| 25°   | 1213.3 | 1224.9 | 1238.7 | 1250.4 | 1227.1 |
| 27.5° | 959.6  | 970.2  | 982.9  | 990.4  | 987.2  |
| 30°   | 695.3  | 696.3  | 695.3  | 709.1  | 703.8  |
| 32.5° | 386.4  | 418.2  | 423.5  | 433.1  | 399.1  |
| 35°   | 190.0  | 199.6  | 225.0  | 207.0  | 196.4  |
| 37.5° | 91.3   | 97.7   | 122.1  | 99.8   | 95.5   |
| 40°   | 51.0   | 55.2   | 69.0   | 57.3   | 51.0   |
| 42.5° | 24.4   | 31.8   | 37.2   | 32.9   | 24.4   |
| 45°   | 10.6   | 15.9   | 24.4   | 15.9   | 10.6   |
| 47.5° | 4.2    | 6.4    | 14.9   | 6.4    | 4.2    |
| 50°   | 4.2    | 3.2    | 7.4    | 3.2    | 3.2    |
| 52.5° | 3.2    | 3.2    | 4.2    | 3.2    | 3.2    |
| 55°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 57.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 60°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 62.5° | 2.1    | 3.2    | 3.2    | 3.2    | 2.1    |
| 65°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 67.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 70°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 72.5° | 1.1    | 2.1    | 1.1    | 1.1    | 1.1    |
| 75°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 77.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 80°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 82.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 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)