

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: P1317513

Luminaire Tested: P3SQAS02R159835DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R159835DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

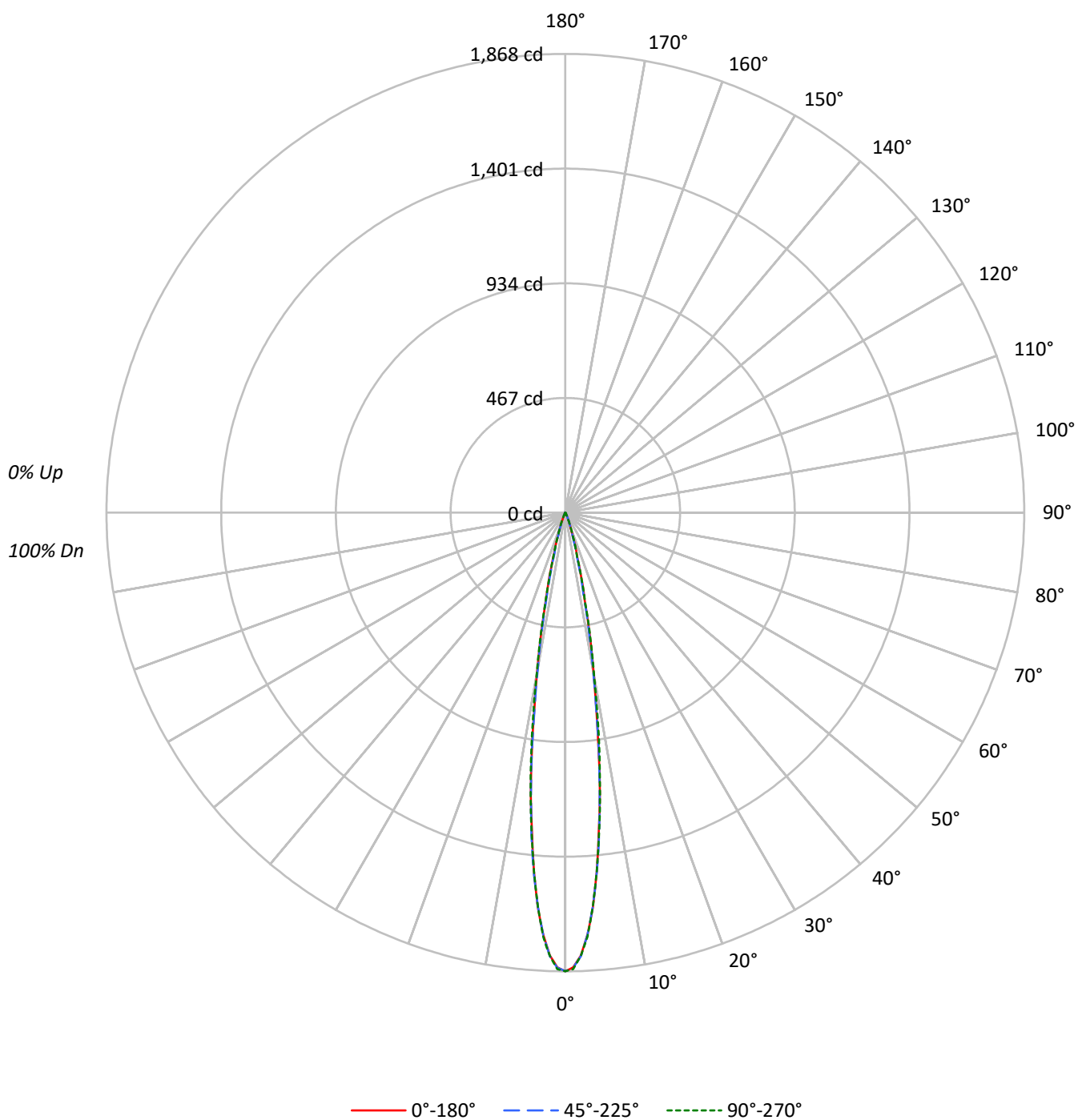
Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 51.9 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 104 | 103 |  | 101 |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 |  | 102 | 101 | 100 |  | 100 |
| 3   | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99  |  | 101 | 99  | 97  |  | 99  |
| 4   | 108 | 104 | 100 | 98  | 106 | 103 | 100 | 98  | 101 | 98  | 96  |  | 99  | 97  | 95  |  | 97  |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 95  | 94  |  | 96  |
| 6   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  |  | 96  | 94  | 92  |  | 95  |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  |  | 94  | 92  | 90  |  | 94  |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 92  |
| 9   | 98  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  |  | 92  | 89  | 88  |  | 91  |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 88  | 87  |  | 90  | 88  | 86  |  | 90  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 321643 | 321643 | 321643 |
| 5°  | 253702 | 254394 | 253477 |
| 10° | 116067 | 113025 | 118533 |
| 15° | 34518  | 30810  | 33805  |
| 20° | 10245  | 9934   | 10758  |
| 25° | 2907   | 3763   | 3382   |
| 30° | 1034   | 1114   | 994    |
| 35° | 399    | 357    | 357    |
| 40° | 157    | 90     | 135    |
| 45° | 97     | 49     | 97     |
| 50° | 54     | 0      | 54     |
| 55° | 60     | 0      | 60     |
| 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: 0°

Vertical Angle: 47.5°

Luminance: 102 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 112.8  | 60.3      |
| 10°-20°   | 62.6   | 33.5      |
| 20°-30°   | 10.0   | 5.3       |
| 30°-40°   | 1.3    | 0.7       |
| 40°-50°   | 0.2    | 0.1       |
| 50°-60°   | 0.0    | 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       |
| 0°-30°    | 185.5  | 99.2      |
| 0°-40°    | 186.8  | 99.9      |
| 0°-60°    | 187.0  | 100.0     |
| 0°-90°    | 187.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 187.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1868 | 1868  | 1868 | 1868  | 1868 |      |
| 5°  | 1468 | 1480  | 1472 | 1465  | 1466 | 113  |
| 15° | 194  | 191   | 173  | 184   | 190  | 64   |
| 25° | 15   | 17    | 20   | 20    | 18   | 9    |
| 35° | 2    | 2     | 2    | 2     | 2    | 1    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 | 1867.6 |
| 1°    | 1851.5 | 1853.5 | 1856.2 | 1853.7 | 1851.5 | 1853.5 | 1850.7 | 1851.1 | 1848.9 | 1853.7 | 1859.1 |
| 2°    | 1804.3 | 1807.0 | 1805.5 | 1802.1 | 1807.3 | 1807.7 | 1801.9 | 1799.1 | 1798.7 | 1803.6 | 1805.5 |
| 3°    | 1720.9 | 1726.9 | 1727.1 | 1726.0 | 1724.3 | 1720.9 | 1715.0 | 1718.9 | 1713.5 | 1710.1 | 1729.2 |
| 4°    | 1610.0 | 1615.3 | 1621.4 | 1617.3 | 1605.0 | 1606.1 | 1610.0 | 1596.8 | 1597.5 | 1605.2 | 1605.7 |
| 5°    | 1467.5 | 1483.4 | 1484.2 | 1478.4 | 1468.7 | 1471.5 | 1468.7 | 1464.9 | 1466.2 | 1471.1 | 1466.2 |
| 6°    | 1299.8 | 1317.7 | 1304.5 | 1317.2 | 1314.4 | 1317.9 | 1318.9 | 1314.9 | 1317.7 | 1314.7 | 1313.8 |
| 7°    | 1154.8 | 1141.2 | 1143.1 | 1137.8 | 1143.4 | 1147.2 | 1149.4 | 1142.7 | 1148.1 | 1156.7 | 1159.1 |
| 8°    | 975.1  | 971.2  | 967.3  | 976.6  | 974.0  | 978.5  | 981.3  | 988.8  | 988.4  | 991.0  | 999.6  |
| 9°    | 804.0  | 809.8  | 813.3  | 805.1  | 812.2  | 798.4  | 803.2  | 823.3  | 818.0  | 823.3  | 838.6  |
| 10°   | 663.7  | 668.4  | 663.2  | 663.0  | 655.5  | 646.3  | 645.8  | 653.3  | 669.0  | 681.3  | 677.8  |
| 12.5° | 366.2  | 370.3  | 370.9  | 370.5  | 357.0  | 341.9  | 344.7  | 350.7  | 360.4  | 364.5  | 371.2  |
| 15°   | 193.6  | 193.4  | 195.4  | 189.6  | 182.5  | 172.8  | 173.6  | 181.8  | 189.1  | 190.9  | 189.6  |
| 17.5° | 99.3   | 99.7   | 101.2  | 99.7   | 92.2   | 93.1   | 95.2   | 96.1   | 100.4  | 102.1  | 101.2  |
| 20°   | 55.9   | 56.1   | 55.9   | 56.5   | 53.5   | 54.2   | 56.9   | 57.0   | 58.0   | 58.9   | 58.7   |
| 22.5° | 32.0   | 32.2   | 33.3   | 32.9   | 32.2   | 33.1   | 33.7   | 34.6   | 35.0   | 34.6   | 35.7   |
| 25°   | 15.3   | 15.5   | 15.5   | 17.8   | 18.9   | 19.8   | 20.2   | 19.8   | 19.4   | 18.0   | 17.8   |
| 27.5° | 8.8    | 8.8    | 9.2    | 9.4    | 9.7    | 11.4   | 11.2   | 9.4    | 7.9    | 7.9    | 8.0    |
| 30°   | 5.2    | 5.0    | 5.0    | 5.2    | 5.4    | 5.6    | 5.2    | 5.0    | 5.0    | 5.2    | 5.0    |
| 32.5° | 3.2    | 3.2    | 3.2    | 3.0    | 3.0    | 2.8    | 2.8    | 3.2    | 3.2    | 3.2    | 3.2    |
| 35°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.7    | 1.7    | 1.7    | 1.9    | 1.9    | 1.7    | 1.7    |
| 37.5° | 1.1    | 1.1    | 1.1    | 0.9    | 0.9    | 0.7    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 40°   | 0.7    | 0.7    | 0.6    | 0.6    | 0.4    | 0.4    | 0.4    | 0.6    | 0.6    | 0.6    | 0.6    |
| 42.5° | 0.6    | 0.6    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    | 0.4    | 0.4    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 55°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    |
| 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    | 0.2    | 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    |
| 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    |

(END OF REPORT)