

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: P1315049

Luminaire Tested: P3SQAS05R359740DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359740DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

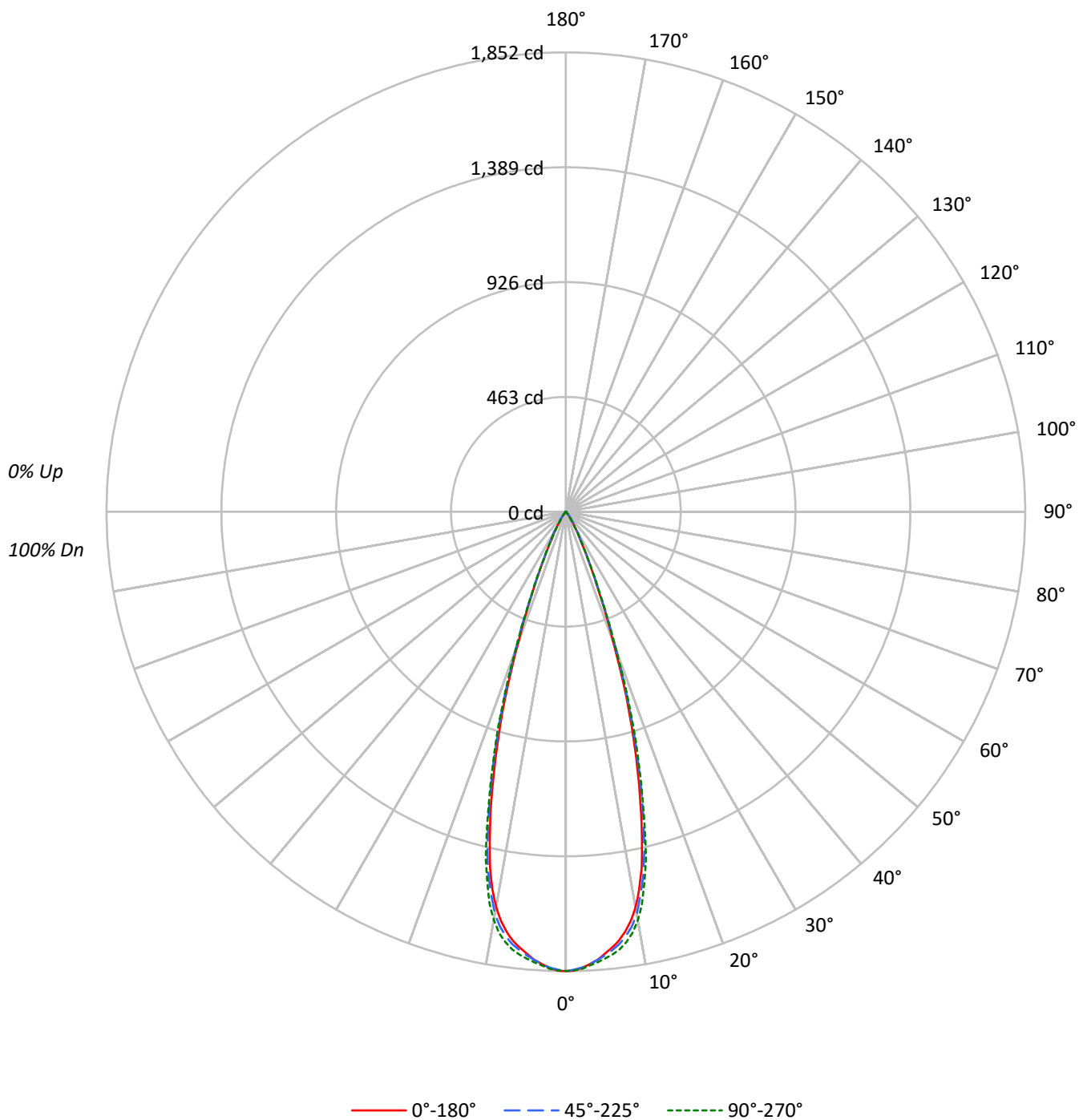
Lumens per Lamp: N/A  
Luminaire Lumens: 622.1 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 79  | 77  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  |  | 79  | 76  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 318905 | 318905 | 318905 |
| 5°  | 309473 | 310563 | 312654 |
| 10° | 283077 | 288009 | 292416 |
| 15° | 203206 | 210641 | 212799 |
| 20° | 102213 | 108169 | 108444 |
| 25° | 38746  | 39944  | 40115  |
| 30° | 15730  | 18057  | 15452  |
| 35° | 5719   | 8683   | 5508   |
| 40° | 2406   | 3710   | 2293   |
| 45° | 585    | 1534   | 585    |
| 50° | 402    | 643    | 402    |
| 55° | 450    | 450    | 450    |
| 60° | 517    | 517    | 517    |
| 65° | 408    | 408    | 408    |
| 70° | 252    | 252    | 252    |
| 75° | 333    | 333    | 333    |
| 80° | 496    | 496    | 496    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1534 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 167.4  | 26.9      |
| 10°-20°   | 311.9  | 50.1      |
| 20°-30°   | 112.2  | 18.0      |
| 30°-40°   | 23.6   | 3.8       |
| 40°-50°   | 4.1    | 0.7       |
| 50°-60°   | 1.4    | 0.2       |
| 60°-70°   | 1.0    | 0.2       |
| 70°-80°   | 0.5    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 591.5  | 95.1      |
| 0°-40°    | 615.1  | 98.9      |
| 0°-60°    | 620.5  | 99.7      |
| 0°-90°    | 622.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 622.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1852 | 1852  | 1852 | 1852  | 1852 |      |
| 5°  | 1790 | 1794  | 1796 | 1808  | 1808 | 166  |
| 15° | 1140 | 1160  | 1181 | 1194  | 1194 | 303  |
| 25° | 204  | 207   | 210  | 212   | 211  | 108  |
| 35° | 27   | 32    | 41   | 32    | 26   | 21   |
| 45° | 2    | 4     | 6    | 4     | 2    | 3    |
| 55° | 2    | 2     | 2    | 2     | 2    | 1    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 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°    | 1851.7 | 1851.7 | 1851.7 | 1851.7 | 1851.7 |
| 1°    | 1850.7 | 1850.7 | 1846.8 | 1851.2 | 1849.8 |
| 2°    | 1840.5 | 1841.5 | 1839.1 | 1844.4 | 1843.9 |
| 3°    | 1826.5 | 1828.9 | 1826.9 | 1834.7 | 1832.3 |
| 4°    | 1811.4 | 1813.4 | 1812.4 | 1822.1 | 1821.1 |
| 5°    | 1790.1 | 1793.5 | 1796.4 | 1808.5 | 1808.5 |
| 6°    | 1768.2 | 1771.6 | 1777.9 | 1791.0 | 1795.4 |
| 7°    | 1743.0 | 1747.3 | 1757.5 | 1775.0 | 1777.9 |
| 8°    | 1710.9 | 1715.8 | 1729.9 | 1748.8 | 1752.7 |
| 9°    | 1671.1 | 1678.4 | 1694.4 | 1717.3 | 1719.7 |
| 10°   | 1618.7 | 1624.5 | 1646.9 | 1665.8 | 1672.1 |
| 11°   | 1550.8 | 1555.6 | 1575.5 | 1606.1 | 1610.0 |
| 12°   | 1468.3 | 1474.1 | 1499.8 | 1519.7 | 1523.6 |
| 13°   | 1363.9 | 1375.1 | 1406.1 | 1425.5 | 1436.2 |
| 14°   | 1256.6 | 1271.7 | 1294.0 | 1321.7 | 1314.9 |
| 15°   | 1139.7 | 1159.6 | 1181.4 | 1194.0 | 1193.5 |
| 17.5° | 852.8  | 864.5  | 883.9  | 891.1  | 900.9  |
| 20°   | 557.7  | 572.7  | 590.2  | 597.0  | 591.7  |
| 22.5° | 346.1  | 350.0  | 355.3  | 358.2  | 357.2  |
| 25°   | 203.9  | 206.8  | 210.2  | 212.1  | 211.1  |
| 27.5° | 122.8  | 129.6  | 134.4  | 128.6  | 125.2  |
| 30°   | 79.1   | 82.0   | 90.8   | 83.0   | 77.7   |
| 32.5° | 47.1   | 53.9   | 61.2   | 51.9   | 45.1   |
| 35°   | 27.2   | 32.0   | 41.3   | 31.5   | 26.2   |
| 37.5° | 17.5   | 19.9   | 26.7   | 19.4   | 17.0   |
| 40°   | 10.7   | 13.6   | 16.5   | 12.6   | 10.2   |
| 42.5° | 5.3    | 8.3    | 9.7    | 7.3    | 5.3    |
| 45°   | 2.4    | 3.9    | 6.3    | 3.9    | 2.4    |
| 47.5° | 1.5    | 1.9    | 3.9    | 1.9    | 1.5    |
| 50°   | 1.5    | 1.5    | 2.4    | 1.5    | 1.5    |
| 52.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 55°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 57.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 60°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 62.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 65°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 67.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 72.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 75°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 77.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 80°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 82.5° | 0.5    | 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)