

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: P1318212

Luminaire Tested: P3SQAS17R609835DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R609835DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

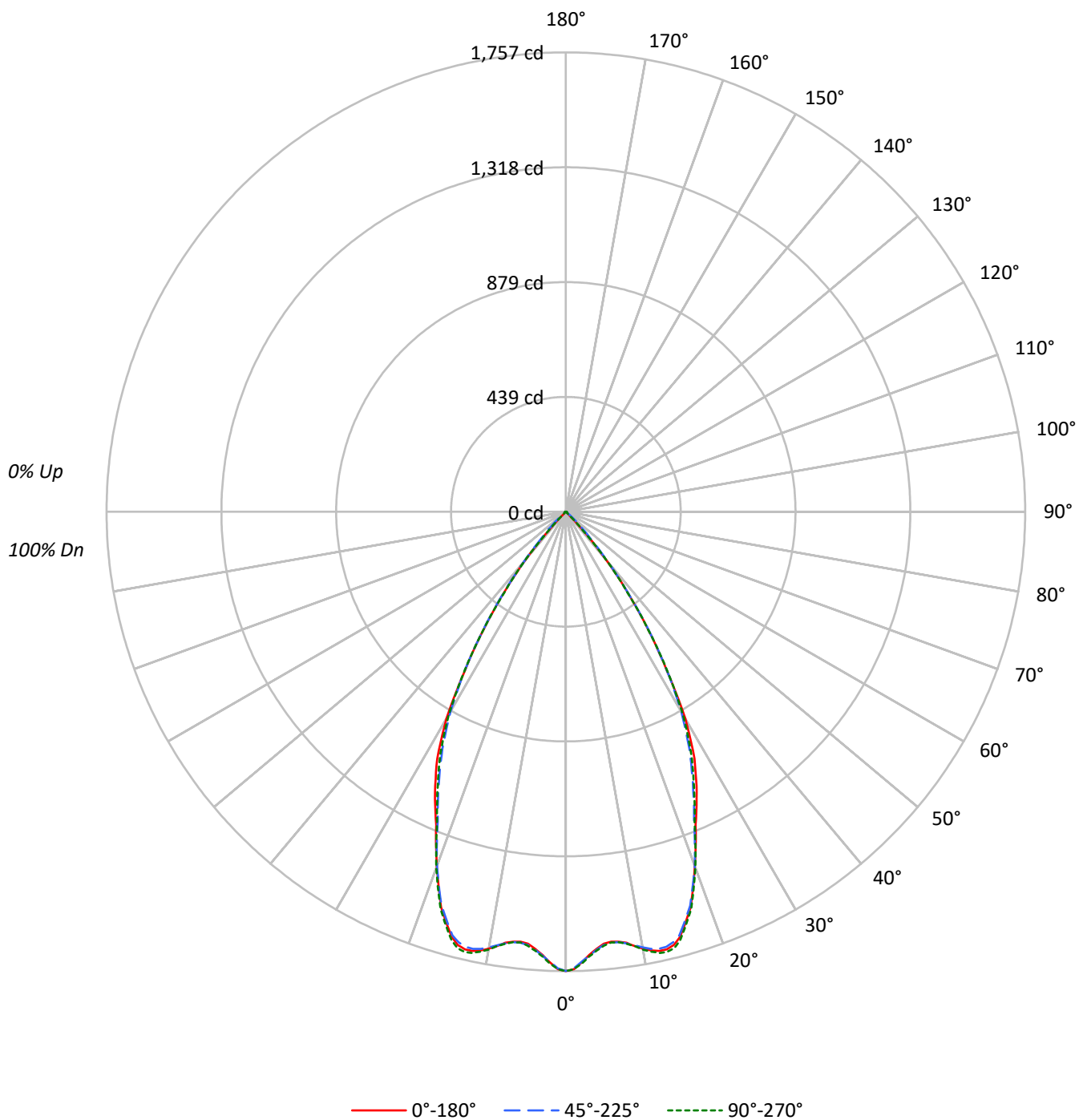
Lumens per Lamp: N/A  
Luminaire Lumens: 1567.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 88  |
| 4   | 98  | 90  | 85  | 81  | 96  | 89  | 84  | 80  | 87  | 83  | 79  |  | 85  | 81  | 79  |  | 83  |
| 5   | 93  | 85  | 79  | 75  | 91  | 84  | 79  | 75  | 82  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 6   | 88  | 80  | 74  | 70  | 87  | 79  | 73  | 69  | 77  | 73  | 69  |  | 76  | 72  | 68  |  | 75  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  |
| 8   | 80  | 71  | 65  | 61  | 79  | 70  | 65  | 61  | 69  | 64  | 60  |  | 68  | 64  | 60  |  | 67  |
| 9   | 76  | 67  | 61  | 57  | 75  | 66  | 61  | 57  | 65  | 60  | 57  |  | 65  | 60  | 57  |  | 64  |
| 10  | 73  | 63  | 58  | 54  | 72  | 63  | 57  | 54  | 62  | 57  | 54  |  | 61  | 57  | 53  |  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 302561 | 302561 | 302561 |
| 5°  | 286774 | 287621 | 288036 |
| 10° | 296735 | 295879 | 297365 |
| 15° | 300343 | 299024 | 302090 |
| 20° | 264467 | 264247 | 265585 |
| 25° | 225049 | 218531 | 220393 |
| 30° | 181644 | 175300 | 178223 |
| 35° | 114962 | 115992 | 114710 |
| 40° | 53755  | 55958  | 54564  |
| 45° | 3288   | 19704  | 3873   |
| 50° | 1634   | 4608   | 1634   |
| 55° | 1832   | 1832   | 1832   |
| 60° | 1688   | 1688   | 1688   |
| 65° | 1508   | 1997   | 1508   |
| 70° | 1863   | 1863   | 1863   |
| 75° | 1664   | 1664   | 1664   |
| 80° | 1190   | 1190   | 1190   |
| 85° | 2371   | 2371   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 19704 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 160.1  | 10.2      |
| 10°-20°   | 461.2  | 29.4      |
| 20°-30°   | 531.6  | 33.9      |
| 30°-40°   | 341.4  | 21.8      |
| 40°-50°   | 59.4   | 3.8       |
| 50°-60°   | 5.6    | 0.4       |
| 60°-70°   | 4.3    | 0.3       |
| 70°-80°   | 2.6    | 0.2       |
| 80°-90°   | 0.8    | 0.1       |
| 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°    | 1152.9 | 73.6      |
| 0°-40°    | 1494.2 | 95.4      |
| 0°-60°    | 1559.3 | 99.5      |
| 0°-90°    | 1567.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1567.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1757 | 1757  | 1757 | 1757  | 1757 |      |
| 5°  | 1659 | 1662  | 1664 | 1667  | 1666 | 160  |
| 15° | 1684 | 1678  | 1677 | 1688  | 1694 | 462  |
| 25° | 1184 | 1171  | 1150 | 1151  | 1160 | 540  |
| 35° | 547  | 543   | 552  | 541   | 546  | 341  |
| 45° | 14   | 40    | 81   | 48    | 16   | 45   |
| 55° | 6    | 6     | 6    | 6     | 6    | 5    |
| 65° | 4    | 5     | 5    | 5     | 4    | 4    |
| 75° | 2    | 2     | 2    | 2     | 2    | 3    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1756.8 | 1756.8 | 1756.8 | 1756.8 | 1756.8 |
| 1°    | 1749.5 | 1748.2 | 1747.0 | 1748.2 | 1749.5 |
| 2°    | 1725.0 | 1723.7 | 1722.5 | 1727.4 | 1729.9 |
| 3°    | 1698.0 | 1699.2 | 1700.4 | 1702.9 | 1704.1 |
| 4°    | 1675.9 | 1678.4 | 1679.6 | 1682.0 | 1683.3 |
| 5°    | 1658.8 | 1662.4 | 1663.7 | 1667.3 | 1666.1 |
| 6°    | 1653.8 | 1656.3 | 1657.5 | 1658.8 | 1656.3 |
| 7°    | 1656.3 | 1657.5 | 1658.8 | 1661.2 | 1658.8 |
| 8°    | 1664.9 | 1666.1 | 1667.3 | 1668.6 | 1668.6 |
| 9°    | 1682.0 | 1679.6 | 1678.4 | 1683.3 | 1682.0 |
| 10°   | 1696.8 | 1693.1 | 1691.9 | 1699.2 | 1700.4 |
| 11°   | 1709.0 | 1704.1 | 1702.9 | 1711.5 | 1713.9 |
| 12°   | 1717.6 | 1710.2 | 1709.0 | 1720.1 | 1725.0 |
| 13°   | 1717.6 | 1707.8 | 1707.8 | 1720.1 | 1727.4 |
| 14°   | 1707.8 | 1696.8 | 1696.8 | 1710.2 | 1718.8 |
| 15°   | 1684.5 | 1678.4 | 1677.1 | 1688.2 | 1694.3 |
| 17.5° | 1586.4 | 1579.1 | 1580.3 | 1592.5 | 1593.8 |
| 20°   | 1443.0 | 1439.3 | 1441.8 | 1444.2 | 1449.1 |
| 22.5° | 1297.1 | 1294.6 | 1281.2 | 1284.8 | 1287.3 |
| 25°   | 1184.3 | 1170.8 | 1150.0 | 1151.2 | 1159.8 |
| 27.5° | 1065.4 | 1051.9 | 1022.5 | 1028.6 | 1037.2 |
| 30°   | 913.4  | 902.3  | 881.5  | 885.2  | 896.2  |
| 32.5° | 717.2  | 739.3  | 719.7  | 725.8  | 722.1  |
| 35°   | 546.8  | 543.1  | 551.7  | 540.7  | 545.6  |
| 37.5° | 385.0  | 386.2  | 389.9  | 380.1  | 380.1  |
| 40°   | 239.1  | 245.2  | 248.9  | 244.0  | 242.7  |
| 42.5° | 100.5  | 137.3  | 144.7  | 137.3  | 101.8  |
| 45°   | 13.5   | 40.5   | 80.9   | 47.8   | 15.9   |
| 47.5° | 6.1    | 8.6    | 42.9   | 8.6    | 6.1    |
| 50°   | 6.1    | 6.1    | 17.2   | 6.1    | 6.1    |
| 52.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 55°   | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 57.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 60°   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 62.5° | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 65°   | 3.7    | 4.9    | 4.9    | 4.9    | 3.7    |
| 67.5° | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 70°   | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 72.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 75°   | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 77.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 80°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 82.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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)