

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: P1313108

Luminaire Tested: P3SQAS05R359730DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359730DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

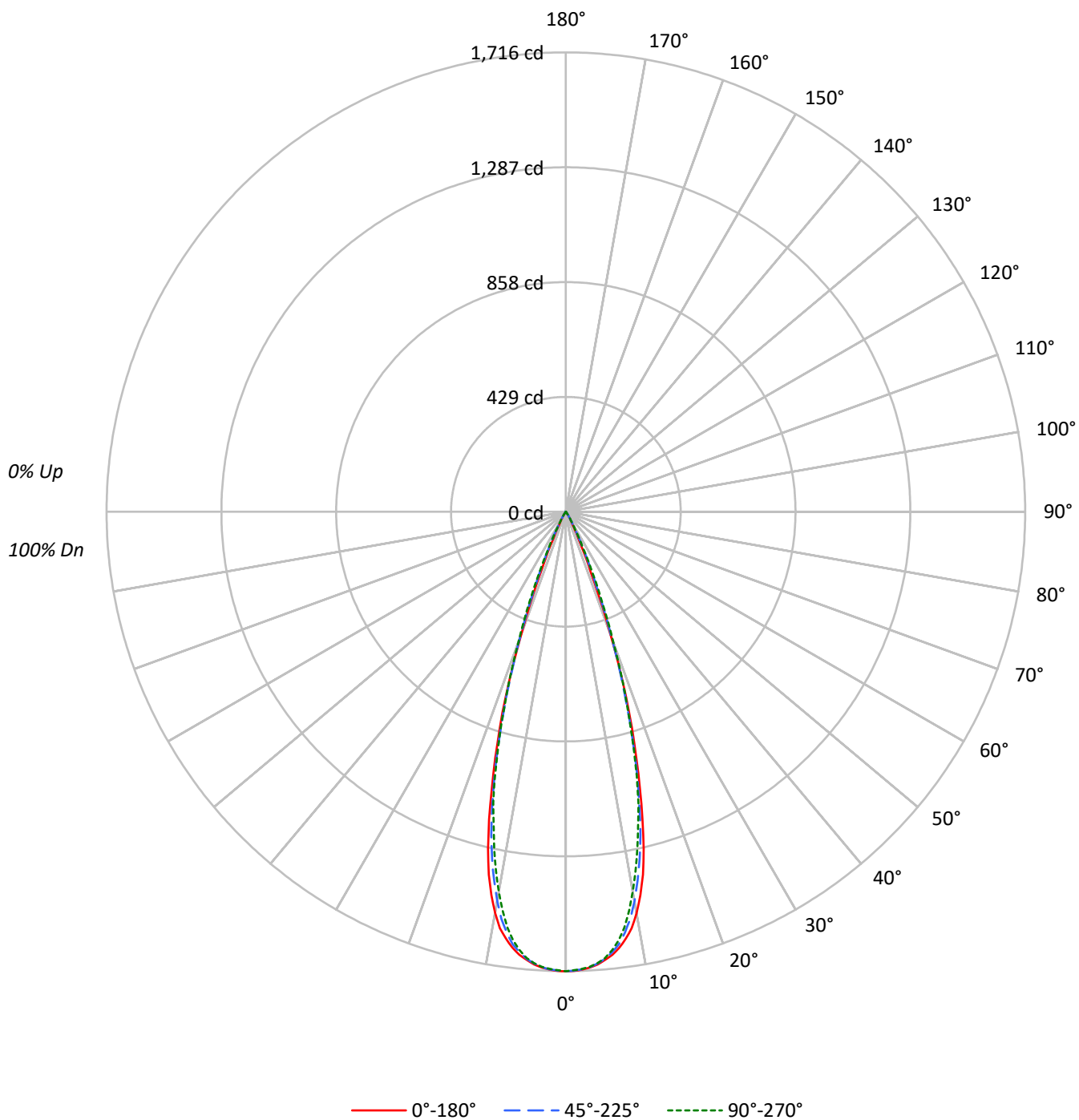
Lumens per Lamp: N/A  
Luminaire Lumens: 521.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 295620 | 295620 | 295620 |
| 5°  | 290543 | 289921 | 289298 |
| 10° | 266271 | 258279 | 252001 |
| 15° | 190672 | 184592 | 182345 |
| 20° | 88412  | 91454  | 94662  |
| 25° | 20979  | 29853  | 31126  |
| 30° | 6165   | 7060   | 7935   |
| 35° | 1409   | 2271   | 2081   |
| 40° | 292    | 607    | 405    |
| 45° | 97     | 97     | 97     |
| 50° | 107    | 0      | 107    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 154.1  | 29.6      |
| 10°-20°   | 275.5  | 52.9      |
| 20°-30°   | 82.9   | 15.9      |
| 30°-40°   | 7.9    | 1.5       |
| 40°-50°   | 0.5    | 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°    | 512.5  | 98.4      |
| 0°-40°    | 520.4  | 99.9      |
| 0°-60°    | 521.0  | 100.0     |
| 0°-90°    | 521.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 521.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1716 | 1716  | 1716 | 1716  | 1716 |      |
| 5°  | 1681 | 1680  | 1677 | 1675  | 1673 | 156  |
| 15° | 1069 | 1061  | 1035 | 1031  | 1023 | 282  |
| 25° | 110  | 122   | 157  | 164   | 164  | 71   |
| 35° | 7    | 9     | 11   | 12    | 10   | 6    |
| 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°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1716.5 | 1716.5 | 1716.5 | 1716.5 | 1716.5 |
| 1°    | 1715.6 | 1715.6 | 1714.7 | 1714.7 | 1712.9 |
| 2°    | 1711.6 | 1712.0 | 1710.2 | 1709.8 | 1708.4 |
| 3°    | 1705.3 | 1703.9 | 1703.9 | 1703.1 | 1702.2 |
| 4°    | 1695.4 | 1692.7 | 1691.8 | 1692.3 | 1690.5 |
| 5°    | 1680.6 | 1680.2 | 1677.0 | 1674.8 | 1673.4 |
| 6°    | 1664.5 | 1661.3 | 1654.6 | 1648.8 | 1647.4 |
| 7°    | 1640.2 | 1633.5 | 1627.7 | 1615.5 | 1613.7 |
| 8°    | 1610.6 | 1599.8 | 1587.3 | 1570.2 | 1569.3 |
| 9°    | 1574.3 | 1556.8 | 1539.3 | 1516.4 | 1508.3 |
| 10°   | 1522.6 | 1506.5 | 1476.9 | 1456.7 | 1441.0 |
| 11°   | 1458.5 | 1438.3 | 1403.7 | 1379.5 | 1366.5 |
| 12°   | 1385.8 | 1366.9 | 1326.5 | 1304.6 | 1286.2 |
| 13°   | 1292.4 | 1276.7 | 1239.0 | 1214.8 | 1200.4 |
| 14°   | 1184.3 | 1172.6 | 1136.7 | 1125.9 | 1121.0 |
| 15°   | 1069.4 | 1061.3 | 1035.3 | 1030.8 | 1022.7 |
| 17.5° | 787.1  | 773.7  | 758.9  | 761.5  | 764.2  |
| 20°   | 482.4  | 501.3  | 499.0  | 508.9  | 516.5  |
| 22.5° | 240.5  | 264.8  | 293.0  | 310.1  | 318.6  |
| 25°   | 110.4  | 121.6  | 157.1  | 163.8  | 163.8  |
| 27.5° | 55.6   | 58.3   | 74.0   | 75.4   | 79.0   |
| 30°   | 31.0   | 33.2   | 35.5   | 39.5   | 39.9   |
| 32.5° | 15.7   | 18.4   | 19.3   | 21.5   | 20.6   |
| 35°   | 6.7    | 9.0    | 10.8   | 11.7   | 9.9    |
| 37.5° | 3.1    | 4.0    | 5.8    | 5.4    | 4.0    |
| 40°   | 1.3    | 1.8    | 2.7    | 2.2    | 1.8    |
| 42.5° | 0.9    | 0.9    | 1.3    | 0.9    | 0.9    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)