

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: P1317870

Luminaire Tested: P3SQAS09R359835DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317870  
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: P3SQAS09R359835DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

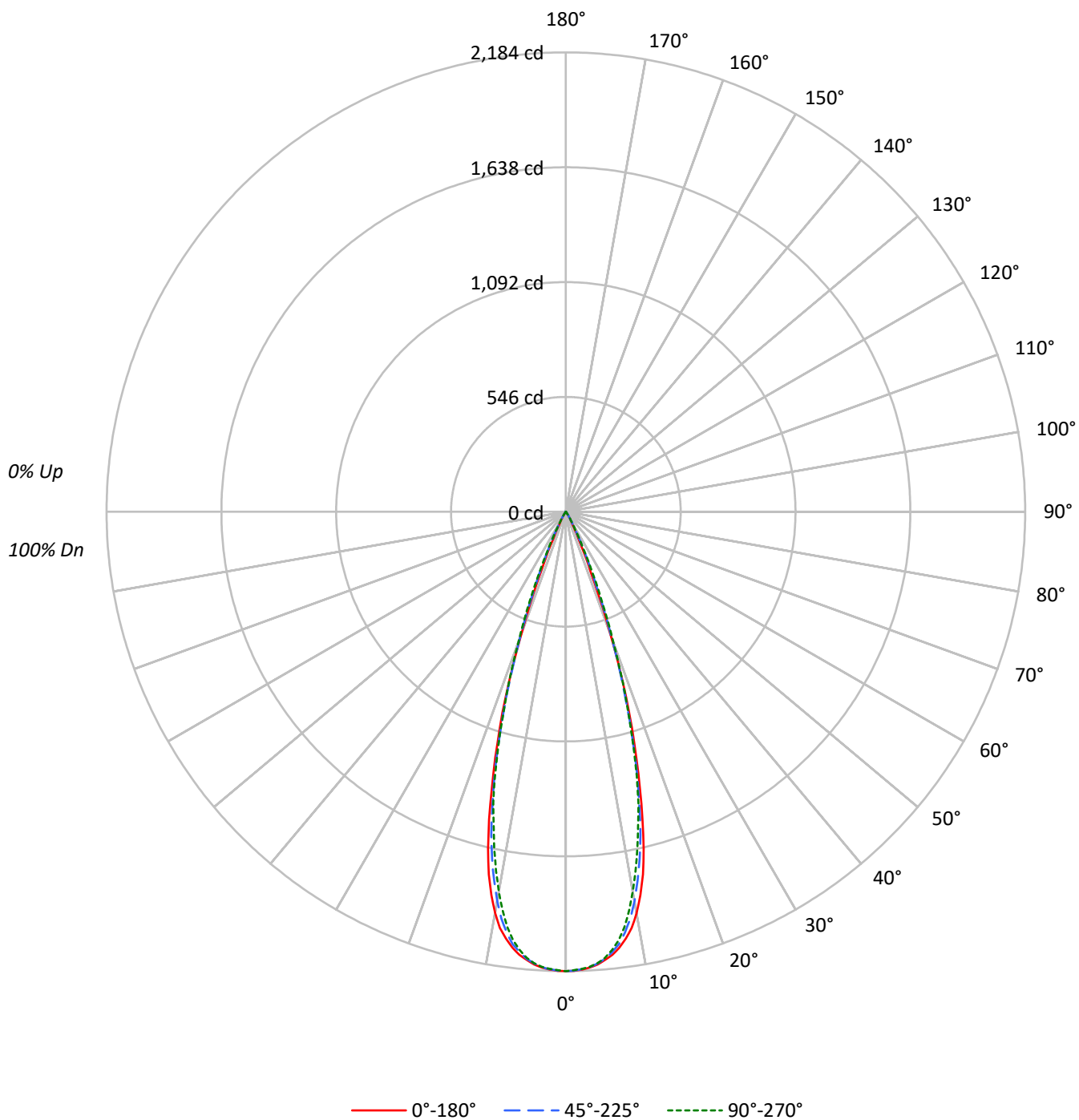
Lumens per Lamp: N/A  
Luminaire Lumens: 663.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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°  | 376203 | 376203 | 376203 |
| 5°  | 369740 | 368944 | 368149 |
| 10° | 338864 | 328668 | 320676 |
| 15° | 242646 | 234908 | 232055 |
| 20° | 112513 | 116380 | 120467 |
| 25° | 26699  | 37986  | 39602  |
| 30° | 7835   | 8969   | 10102  |
| 35° | 1808   | 2880   | 2649   |
| 40° | 382    | 764    | 517    |
| 45° | 146    | 146    | 146    |
| 50° | 161    | 0      | 161    |
| 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: 170 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.1  | 29.6      |
| 10°-20°   | 350.6  | 52.9      |
| 20°-30°   | 105.5  | 15.9      |
| 30°-40°   | 10.1   | 1.5       |
| 40°-50°   | 0.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 652.2  | 98.4      |
| 0°-40°    | 662.3  | 99.9      |
| 0°-60°    | 663.0  | 100.0     |
| 0°-90°    | 663.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 663.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2184 | 2184  | 2184 | 2184  | 2184 |      |
| 5°  | 2139 | 2138  | 2134 | 2131  | 2130 | 198  |
| 15° | 1361 | 1351  | 1318 | 1312  | 1302 | 359  |
| 25° | 140  | 155   | 200  | 208   | 208  | 90   |
| 35° | 9    | 11    | 14   | 15    | 13   | 8    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2184.4 | 2184.4 | 2184.4 | 2184.4 | 2184.4 |
| 1°    | 2183.2 | 2183.2 | 2182.1 | 2182.1 | 2179.8 |
| 2°    | 2178.1 | 2178.6 | 2176.4 | 2175.8 | 2174.1 |
| 3°    | 2170.1 | 2168.4 | 2168.4 | 2167.2 | 2166.1 |
| 4°    | 2157.5 | 2154.1 | 2152.9 | 2153.5 | 2151.2 |
| 5°    | 2138.7 | 2138.1 | 2134.1 | 2131.2 | 2129.5 |
| 6°    | 2118.1 | 2114.1 | 2105.5 | 2098.1 | 2096.4 |
| 7°    | 2087.3 | 2078.7 | 2071.3 | 2055.9 | 2053.6 |
| 8°    | 2049.6 | 2035.9 | 2019.9 | 1998.2 | 1997.0 |
| 9°    | 2003.3 | 1981.1 | 1958.8 | 1929.7 | 1919.4 |
| 10°   | 1937.7 | 1917.1 | 1879.4 | 1853.7 | 1833.7 |
| 11°   | 1856.0 | 1830.3 | 1786.3 | 1755.5 | 1738.9 |
| 12°   | 1763.5 | 1739.5 | 1688.1 | 1660.1 | 1636.7 |
| 13°   | 1644.7 | 1624.7 | 1576.7 | 1545.9 | 1527.6 |
| 14°   | 1507.1 | 1492.2 | 1446.5 | 1432.8 | 1426.5 |
| 15°   | 1360.9 | 1350.6 | 1317.5 | 1311.8 | 1301.5 |
| 17.5° | 1001.7 | 984.5  | 965.7  | 969.1  | 972.5  |
| 20°   | 613.9  | 637.9  | 635.0  | 647.6  | 657.3  |
| 22.5° | 306.1  | 336.9  | 372.9  | 394.6  | 405.5  |
| 25°   | 140.5  | 154.8  | 199.9  | 208.4  | 208.4  |
| 27.5° | 70.8   | 74.2   | 94.2   | 95.9   | 100.5  |
| 30°   | 39.4   | 42.3   | 45.1   | 50.3   | 50.8   |
| 32.5° | 20.0   | 23.4   | 24.6   | 27.4   | 26.3   |
| 35°   | 8.6    | 11.4   | 13.7   | 14.8   | 12.6   |
| 37.5° | 4.0    | 5.1    | 7.4    | 6.9    | 5.1    |
| 40°   | 1.7    | 2.3    | 3.4    | 2.9    | 2.3    |
| 42.5° | 1.1    | 1.1    | 1.7    | 1.1    | 1.1    |
| 45°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 47.5° | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    |
| 50°   | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 52.5° | 0.6    | 0.0    | 0.0    | 0.0    | 0.6    |
| 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)