

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: P1317865

Luminaire Tested: P3SQAS09R359835DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R359835DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

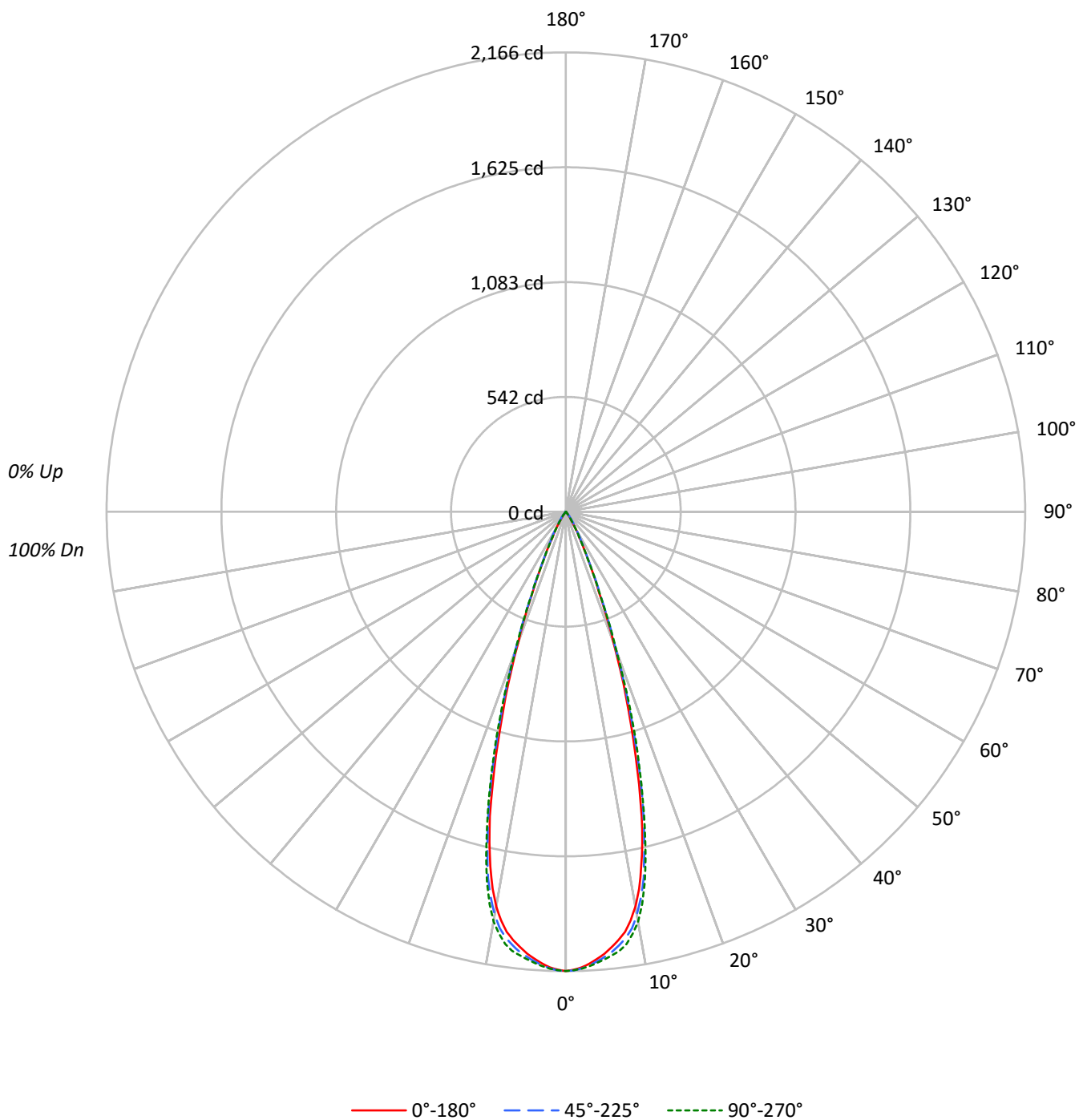
Lumens per Lamp: N/A  
Luminaire Lumens: 721.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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 | 107 | 107 | 105 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 94  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 88  |  | 92  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 79  |  | 84  |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 81  |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 372948 | 372948 | 372948 |
| 5°  | 361631 | 364207 | 366178 |
| 10° | 330452 | 337447 | 343236 |
| 15° | 237653 | 248030 | 250063 |
| 20° | 120980 | 127065 | 127376 |
| 25° | 45910  | 46880  | 45568  |
| 30° | 17838  | 20662  | 17381  |
| 35° | 6118   | 9608   | 5761   |
| 40° | 2046   | 3732   | 1933   |
| 45° | 146    | 1242   | 146    |
| 50° | 0      | 161    | 0      |
| 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: 45°

Vertical Angle: 45°

Luminance: 1242 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.0  | 27.2      |
| 10°-20°   | 365.2  | 50.7      |
| 20°-30°   | 131.3  | 18.2      |
| 30°-40°   | 25.6   | 3.6       |
| 40°-50°   | 2.9    | 0.4       |
| 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°    | 692.5  | 96.0      |
| 0°-40°    | 718.1  | 99.6      |
| 0°-60°    | 721.0  | 100.0     |
| 0°-90°    | 721.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 721.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2166 | 2166  | 2166 | 2166  | 2166 |      |
| 5°  | 2092 | 2098  | 2107 | 2116  | 2118 | 194  |
| 15° | 1333 | 1355  | 1391 | 1401  | 1402 | 354  |
| 25° | 242  | 244   | 247  | 245   | 240  | 127  |
| 35° | 29   | 33    | 46   | 34    | 27   | 22   |
| 45° | 1    | 2     | 5    | 2     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2165.5 | 2165.5 | 2165.5 | 2165.5 | 2165.5 |
| 1°    | 2159.2 | 2162.0 | 2162.6 | 2166.6 | 2162.0 |
| 2°    | 2150.1 | 2151.8 | 2154.1 | 2157.5 | 2155.2 |
| 3°    | 2132.4 | 2135.8 | 2140.9 | 2145.5 | 2145.5 |
| 4°    | 2113.5 | 2118.1 | 2124.4 | 2132.4 | 2131.8 |
| 5°    | 2091.8 | 2097.5 | 2106.7 | 2116.4 | 2118.1 |
| 6°    | 2064.4 | 2071.2 | 2086.1 | 2099.8 | 2102.1 |
| 7°    | 2035.3 | 2045.5 | 2059.8 | 2079.8 | 2085.0 |
| 8°    | 2001.0 | 2009.0 | 2029.6 | 2053.0 | 2058.7 |
| 9°    | 1950.8 | 1962.7 | 1989.0 | 2010.7 | 2014.1 |
| 10°   | 1889.6 | 1898.2 | 1929.6 | 1952.5 | 1962.7 |
| 11°   | 1810.8 | 1823.4 | 1854.2 | 1877.7 | 1884.5 |
| 12°   | 1710.3 | 1728.6 | 1764.6 | 1781.7 | 1787.4 |
| 13°   | 1601.8 | 1617.3 | 1645.2 | 1666.4 | 1670.9 |
| 14°   | 1479.6 | 1494.5 | 1523.6 | 1540.7 | 1536.7 |
| 15°   | 1332.9 | 1355.1 | 1391.1 | 1400.8 | 1402.5 |
| 17.5° | 984.5  | 998.8  | 1030.8 | 1046.2 | 1057.0 |
| 20°   | 660.1  | 673.9  | 693.3  | 703.6  | 695.0  |
| 22.5° | 401.5  | 412.9  | 423.2  | 422.6  | 419.7  |
| 25°   | 241.6  | 243.8  | 246.7  | 245.0  | 239.8  |
| 27.5° | 141.1  | 147.3  | 155.9  | 150.2  | 141.6  |
| 30°   | 89.7   | 94.8   | 103.9  | 94.2   | 87.4   |
| 32.5° | 47.4   | 60.0   | 69.7   | 56.5   | 49.7   |
| 35°   | 29.1   | 33.1   | 45.7   | 33.7   | 27.4   |
| 37.5° | 17.7   | 20.6   | 28.6   | 20.0   | 16.0   |
| 40°   | 9.1    | 13.1   | 16.6   | 12.0   | 8.6    |
| 42.5° | 2.9    | 6.3    | 9.1    | 5.7    | 2.9    |
| 45°   | 0.6    | 1.7    | 5.1    | 1.7    | 0.6    |
| 47.5° | 0.0    | 0.0    | 2.3    | 0.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.6    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)