

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: P1305381

Luminaire Tested: P3SQAS02R159024DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R159024DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

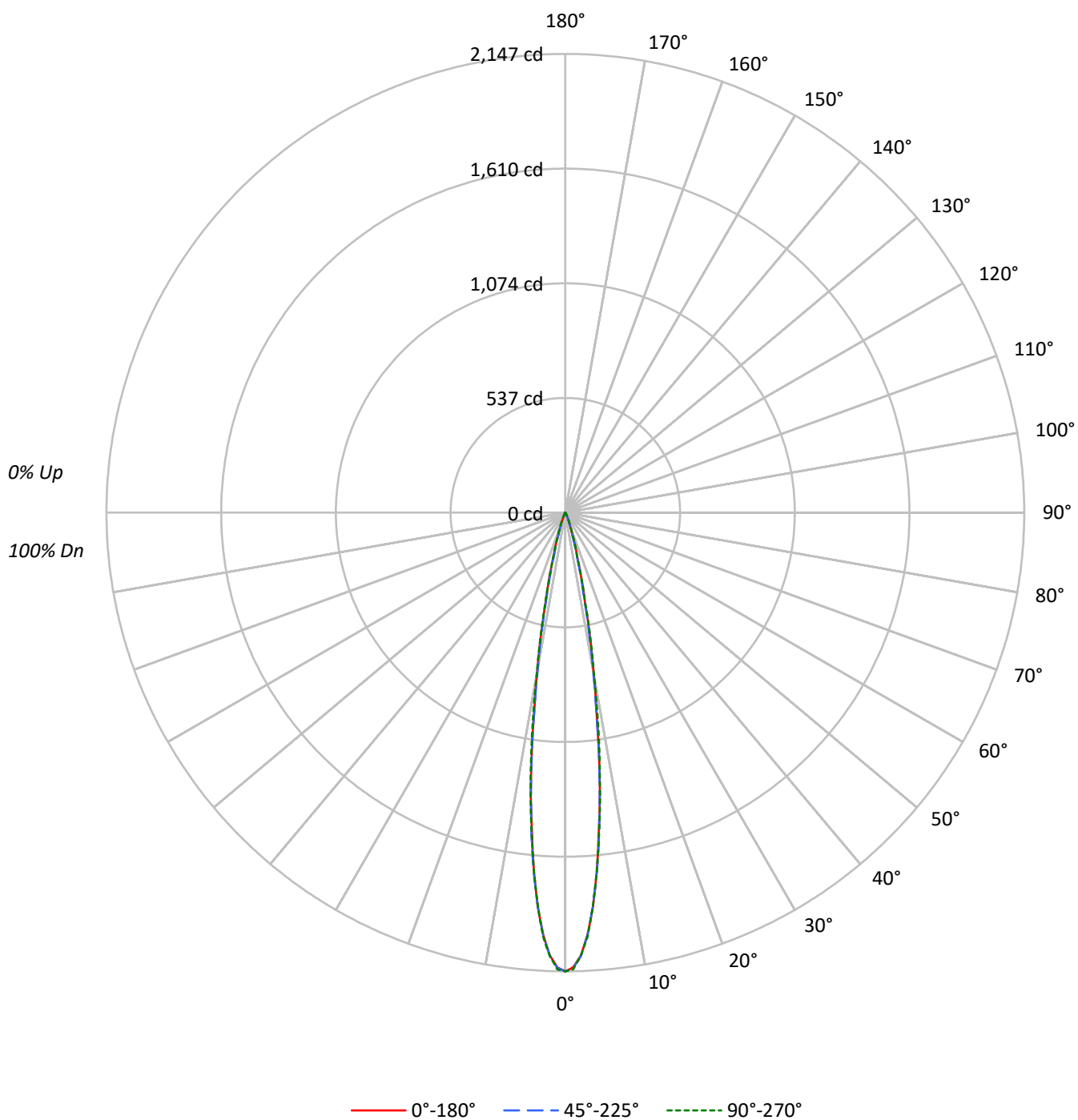
Lumens per Lamp: N/A  
Luminaire Lumens: 215.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 104 | 103 |  | 101 |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 104 | 102 |  | 102 | 101 | 100 |  | 100 |
| 3   | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99  |  | 101 | 99  | 97  |  | 99  |
| 4   | 108 | 104 | 100 | 98  | 106 | 103 | 100 | 98  | 101 | 98  | 96  |  | 99  | 97  | 95  |  | 97  |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 95  | 94  |  | 96  |
| 6   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  |  | 96  | 94  | 92  |  | 95  |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  |  | 94  | 92  | 90  |  | 94  |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 92  |
| 9   | 98  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  |  | 92  | 89  | 88  |  | 91  |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 88  | 87  |  | 90  | 88  | 86  |  | 90  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 369796 | 369796 | 369796 |
| 5°  | 291701 | 292479 | 291442 |
| 10° | 133451 | 129953 | 136266 |
| 15° | 39671  | 35428  | 38869  |
| 20° | 11785  | 11436  | 12371  |
| 25° | 3344   | 4333   | 3877   |
| 30° | 1193   | 1293   | 1153   |
| 35° | 463    | 399    | 399    |
| 40° | 202    | 90     | 135    |
| 45° | 97     | 49     | 97     |
| 50° | 54     | 0      | 54     |
| 55° | 60     | 0      | 60     |
| 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: 47.5°

Luminance: 102 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 129.7  | 60.3      |
| 10°-20°   | 72.0   | 33.5      |
| 20°-30°   | 11.5   | 5.3       |
| 30°-40°   | 1.5    | 0.7       |
| 40°-50°   | 0.2    | 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°    | 213.2  | 99.2      |
| 0°-40°    | 214.7  | 99.9      |
| 0°-60°    | 215.0  | 100.0     |
| 0°-90°    | 215.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 215.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2147 | 2147  | 2147 | 2147  | 2147 |      |
| 5°  | 1687 | 1701  | 1692 | 1685  | 1686 | 129  |
| 15° | 222  | 220   | 199  | 211   | 218  | 73   |
| 25° | 18   | 20    | 23   | 23    | 20   | 11   |
| 35° | 2    | 2     | 2    | 2     | 2    | 2    |
| 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°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 | 2147.2 |
| 1°    | 2128.7 | 2131.1 | 2134.1 | 2131.3 | 2128.7 | 2131.1 | 2127.8 | 2128.3 | 2125.7 | 2131.3 | 2137.5 |
| 2°    | 2074.5 | 2077.5 | 2075.8 | 2071.9 | 2078.0 | 2078.4 | 2071.7 | 2068.5 | 2068.1 | 2073.7 | 2075.8 |
| 3°    | 1978.6 | 1985.5 | 1985.7 | 1984.4 | 1982.5 | 1978.6 | 1971.7 | 1976.3 | 1970.0 | 1966.1 | 1988.1 |
| 4°    | 1851.1 | 1857.1 | 1864.2 | 1859.5 | 1845.3 | 1846.6 | 1851.1 | 1835.8 | 1836.7 | 1845.5 | 1846.2 |
| 5°    | 1687.3 | 1705.5 | 1706.4 | 1699.7 | 1688.6 | 1691.8 | 1688.6 | 1684.3 | 1685.8 | 1691.4 | 1685.8 |
| 6°    | 1494.4 | 1515.0 | 1499.8 | 1514.4 | 1511.2 | 1515.3 | 1516.3 | 1511.8 | 1515.0 | 1511.6 | 1510.5 |
| 7°    | 1327.8 | 1312.1 | 1314.2 | 1308.2 | 1314.6 | 1318.9 | 1321.5 | 1313.8 | 1320.0 | 1329.9 | 1332.7 |
| 8°    | 1121.1 | 1116.6 | 1112.1 | 1122.8 | 1119.8 | 1125.0 | 1128.2 | 1136.8 | 1136.4 | 1139.4 | 1149.3 |
| 9°    | 924.4  | 931.0  | 935.1  | 925.7  | 933.8  | 917.9  | 923.5  | 946.5  | 940.5  | 946.5  | 964.2  |
| 10°   | 763.1  | 768.5  | 762.5  | 762.2  | 753.6  | 743.1  | 742.5  | 751.1  | 769.1  | 783.3  | 779.2  |
| 12.5° | 421.0  | 425.7  | 426.4  | 426.0  | 410.5  | 393.1  | 396.3  | 403.2  | 414.3  | 419.1  | 426.8  |
| 15°   | 222.5  | 222.3  | 224.7  | 218.0  | 209.9  | 198.7  | 199.5  | 209.0  | 217.4  | 219.5  | 218.0  |
| 17.5° | 114.2  | 114.6  | 116.3  | 114.6  | 106.0  | 107.1  | 109.4  | 110.5  | 115.5  | 117.4  | 116.3  |
| 20°   | 64.3   | 64.5   | 64.3   | 64.9   | 61.5   | 62.4   | 65.4   | 65.6   | 66.7   | 67.7   | 67.5   |
| 22.5° | 36.8   | 37.0   | 38.3   | 37.8   | 37.0   | 38.1   | 38.7   | 39.8   | 40.2   | 39.8   | 41.1   |
| 25°   | 17.6   | 17.8   | 17.8   | 20.4   | 21.7   | 22.8   | 23.2   | 22.8   | 22.4   | 20.6   | 20.4   |
| 27.5° | 10.1   | 10.1   | 10.5   | 10.8   | 11.2   | 13.1   | 12.9   | 10.8   | 9.0    | 9.0    | 9.2    |
| 30°   | 6.0    | 5.8    | 5.8    | 6.0    | 6.2    | 6.5    | 6.0    | 5.8    | 5.8    | 6.0    | 5.8    |
| 32.5° | 3.7    | 3.7    | 3.7    | 3.4    | 3.4    | 3.2    | 3.2    | 3.7    | 3.7    | 3.7    | 3.7    |
| 35°   | 2.2    | 2.2    | 2.2    | 2.2    | 1.9    | 1.9    | 1.9    | 2.2    | 2.2    | 1.9    | 1.9    |
| 37.5° | 1.3    | 1.3    | 1.3    | 1.1    | 1.1    | 0.9    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 40°   | 0.9    | 0.9    | 0.6    | 0.6    | 0.4    | 0.4    | 0.4    | 0.6    | 0.6    | 0.6    | 0.6    |
| 42.5° | 0.6    | 0.6    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    | 0.4    | 0.4    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 55°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)