

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: P1306352

Luminaire Tested: P3SQAS02R159027DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306352  
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: P3SQAS02R159027DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

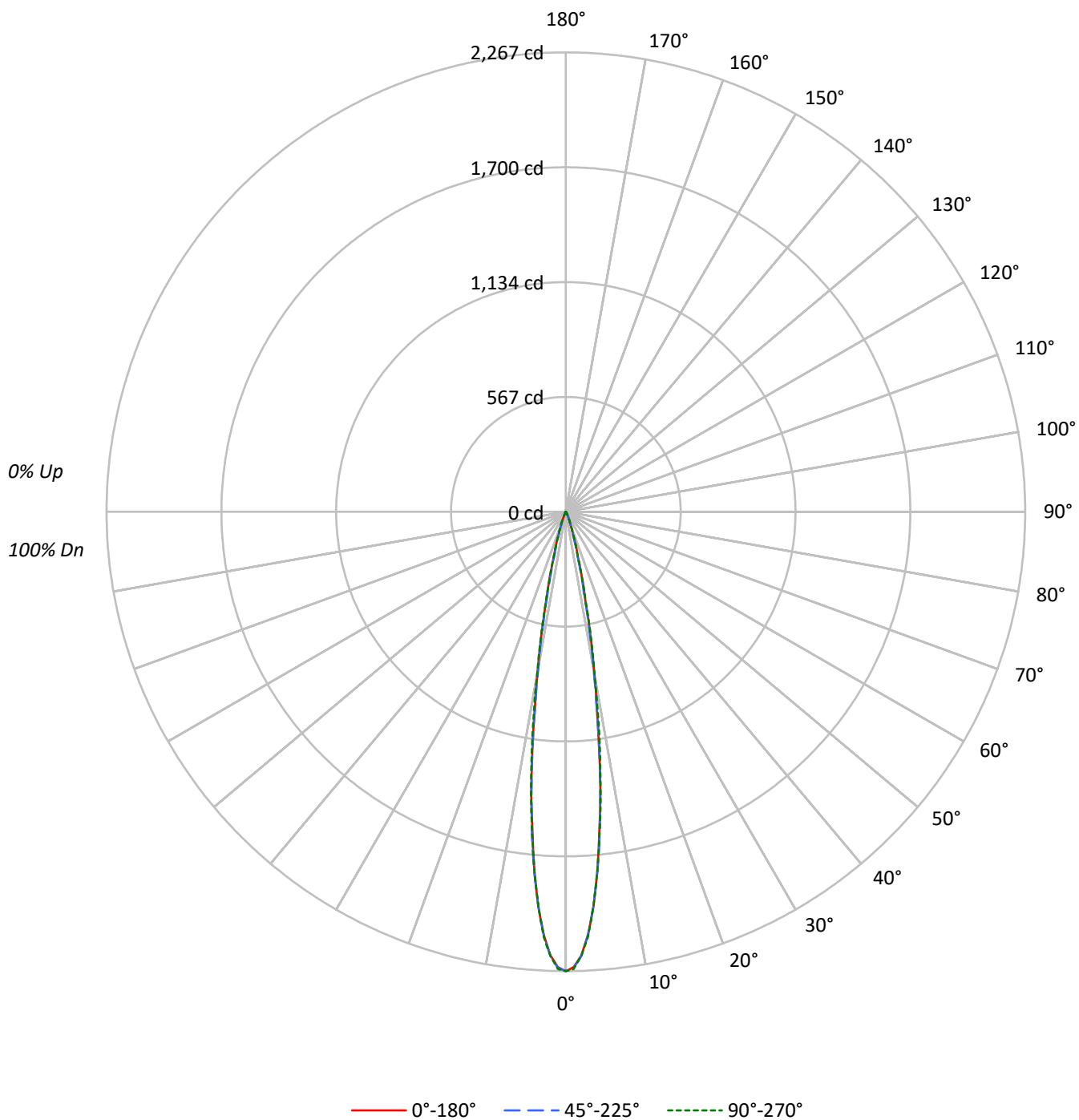
Lumens per Lamp: N/A  
Luminaire Lumens: 227.0 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 390429 | 390429 | 390429 |
| 5°  | 307969 | 308799 | 307710 |
| 10° | 140900 | 137210 | 143873 |
| 15° | 41900  | 37407  | 41044  |
| 20° | 12444  | 12060  | 13068  |
| 25° | 3534   | 4580   | 4105   |
| 30° | 1273   | 1352   | 1213   |
| 35° | 484    | 420    | 420    |
| 40° | 202    | 112    | 157    |
| 45° | 122    | 49     | 122    |
| 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: 127 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.0  | 60.3      |
| 10°-20°   | 76.0   | 33.5      |
| 20°-30°   | 12.1   | 5.3       |
| 30°-40°   | 1.6    | 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       |
| 0°-30°    | 225.1  | 99.2      |
| 0°-40°    | 226.7  | 99.9      |
| 0°-60°    | 227.0  | 100.0     |
| 0°-90°    | 227.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 227.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2267 | 2267  | 2267 | 2267  | 2267 |      |
| 5°  | 1781 | 1796  | 1786 | 1779  | 1780 | 137  |
| 15° | 235  | 232   | 210  | 223   | 230  | 78   |
| 25° | 19   | 21    | 24   | 24    | 22   | 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 | 2267.0 |
| 1°    | 2247.5 | 2250.0 | 2253.2 | 2250.2 | 2247.5 | 2250.0 | 2246.6 | 2247.1 | 2244.3 | 2250.2 | 2256.8 |
| 2°    | 2190.3 | 2193.5 | 2191.7 | 2187.6 | 2193.9 | 2194.4 | 2187.4 | 2184.0 | 2183.5 | 2189.4 | 2191.7 |
| 3°    | 2089.1 | 2096.3 | 2096.5 | 2095.2 | 2093.1 | 2089.1 | 2081.8 | 2086.6 | 2080.0 | 2075.9 | 2099.0 |
| 4°    | 1954.4 | 1960.8 | 1968.3 | 1963.3 | 1948.3 | 1949.7 | 1954.4 | 1938.3 | 1939.2 | 1948.5 | 1949.2 |
| 5°    | 1781.4 | 1800.7 | 1801.6 | 1794.6 | 1782.8 | 1786.2 | 1782.8 | 1778.3 | 1779.9 | 1785.8 | 1779.9 |
| 6°    | 1577.8 | 1599.6 | 1583.5 | 1598.9 | 1595.5 | 1599.8 | 1601.0 | 1596.2 | 1599.6 | 1596.0 | 1594.8 |
| 7°    | 1401.9 | 1385.3 | 1387.6 | 1381.2 | 1388.0 | 1392.6 | 1395.3 | 1387.1 | 1393.7 | 1404.1 | 1407.1 |
| 8°    | 1183.7 | 1178.9 | 1174.2 | 1185.5 | 1182.3 | 1187.8 | 1191.2 | 1200.3 | 1199.8 | 1203.0 | 1213.4 |
| 9°    | 976.0  | 983.0  | 987.3  | 977.3  | 986.0  | 969.2  | 975.1  | 999.4  | 993.0  | 999.4  | 1018.0 |
| 10°   | 805.7  | 811.4  | 805.0  | 804.8  | 795.7  | 784.6  | 783.9  | 793.0  | 812.1  | 827.0  | 822.7  |
| 12.5° | 444.5  | 449.5  | 450.2  | 449.7  | 433.4  | 415.0  | 418.4  | 425.7  | 437.5  | 442.5  | 450.6  |
| 15°   | 235.0  | 234.7  | 237.2  | 230.2  | 221.6  | 209.8  | 210.7  | 220.7  | 229.5  | 231.8  | 230.2  |
| 17.5° | 120.5  | 121.0  | 122.8  | 121.0  | 111.9  | 113.1  | 115.6  | 116.7  | 121.9  | 124.0  | 122.8  |
| 20°   | 67.9   | 68.1   | 67.9   | 68.6   | 64.9   | 65.8   | 69.0   | 69.2   | 70.4   | 71.5   | 71.3   |
| 22.5° | 38.8   | 39.0   | 40.4   | 40.0   | 39.0   | 40.2   | 40.9   | 42.0   | 42.5   | 42.0   | 43.4   |
| 25°   | 18.6   | 18.8   | 18.8   | 21.6   | 22.9   | 24.1   | 24.5   | 24.1   | 23.6   | 21.8   | 21.6   |
| 27.5° | 10.7   | 10.7   | 11.1   | 11.4   | 11.8   | 13.8   | 13.6   | 11.4   | 9.5    | 9.5    | 9.8    |
| 30°   | 6.4    | 6.1    | 6.1    | 6.4    | 6.6    | 6.8    | 6.4    | 6.1    | 6.1    | 6.4    | 6.1    |
| 32.5° | 3.9    | 3.9    | 3.9    | 3.6    | 3.6    | 3.4    | 3.4    | 3.9    | 3.9    | 3.9    | 3.9    |
| 35°   | 2.3    | 2.3    | 2.3    | 2.3    | 2.0    | 2.0    | 2.0    | 2.3    | 2.3    | 2.0    | 2.0    |
| 37.5° | 1.4    | 1.4    | 1.4    | 1.1    | 1.1    | 0.9    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 40°   | 0.9    | 0.9    | 0.7    | 0.7    | 0.5    | 0.5    | 0.5    | 0.7    | 0.7    | 0.7    | 0.7    |
| 42.5° | 0.7    | 0.7    | 0.5    | 0.5    | 0.2    | 0.2    | 0.2    | 0.5    | 0.5    | 0.5    | 0.5    |
| 45°   | 0.5    | 0.5    | 0.5    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.5    | 0.5    |
| 47.5° | 0.5    | 0.5    | 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)