

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: P1317493

Luminaire Tested: P3SQAS20R709830D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R709830D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

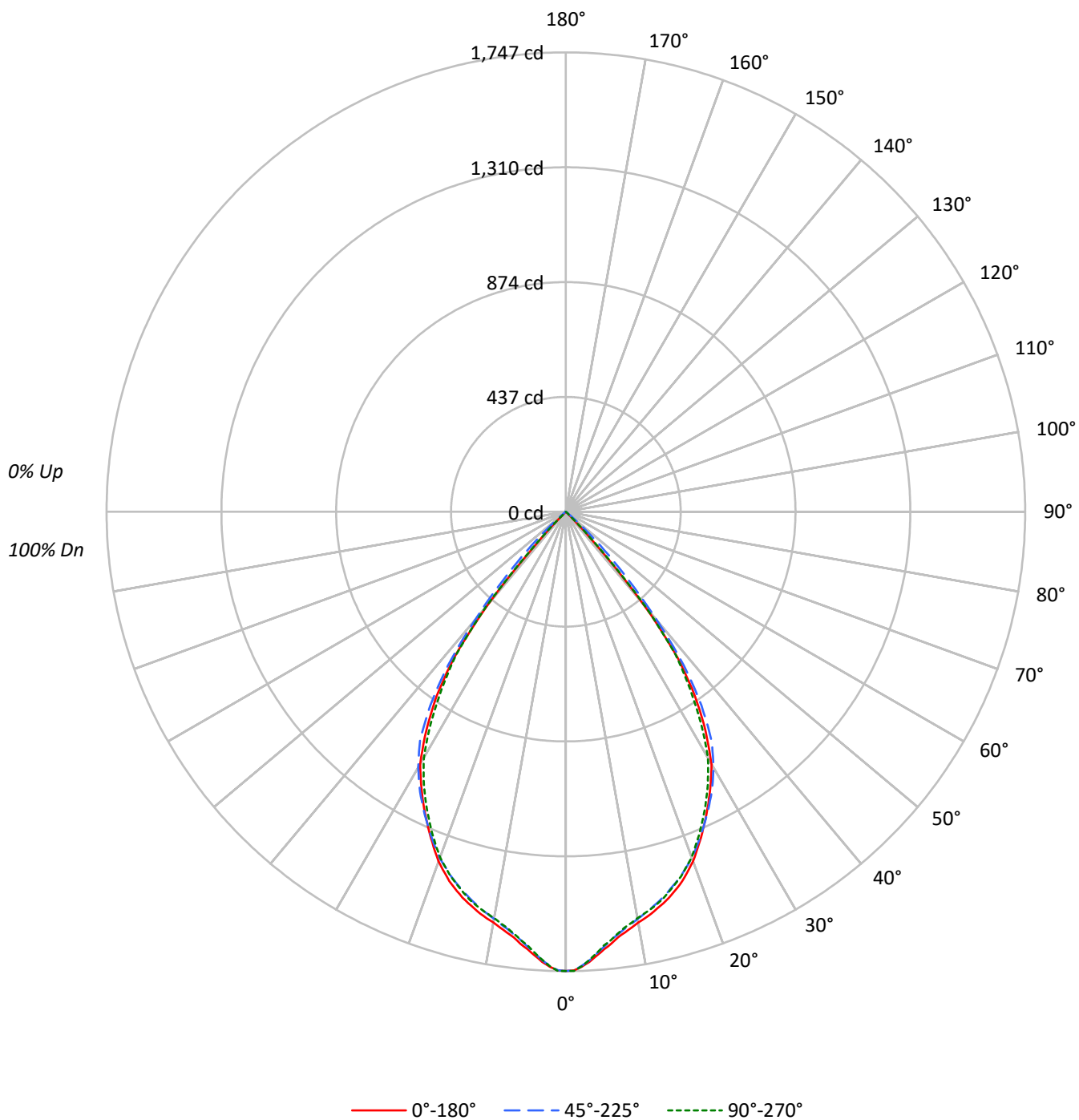
Lumens per Lamp: N/A  
Luminaire Lumens: 1807.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 86  |    |    |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |    |    |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59  |    |    |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 300804 | 300804 | 300804 |
| 5°  | 288745 | 287155 | 286377 |
| 10° | 277394 | 274980 | 274456 |
| 15° | 270817 | 267001 | 267554 |
| 20° | 259335 | 256824 | 256256 |
| 25° | 240726 | 241315 | 237533 |
| 30° | 220323 | 223366 | 214854 |
| 35° | 180243 | 188905 | 173158 |
| 40° | 103755 | 120931 | 106498 |
| 45° | 1486   | 50246  | 5212   |
| 50° | 0      | 5332   | 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: 50246 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.8  | 8.6       |
| 10°-20°   | 422.3  | 23.4      |
| 20°-30°   | 580.1  | 32.1      |
| 30°-40°   | 526.0  | 29.1      |
| 40°-50°   | 122.2  | 6.8       |
| 50°-60°   | 0.6    | 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°    | 1158.2 | 64.1      |
| 0°-40°    | 1684.1 | 93.2      |
| 0°-60°    | 1807.0 | 100.0     |
| 0°-90°    | 1807.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1807.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1747 | 1747  | 1747 | 1747  | 1747 |      |
| 5°  | 1670 | 1666  | 1661 | 1658  | 1656 | 157  |
| 15° | 1519 | 1508  | 1498 | 1498  | 1501 | 426  |
| 25° | 1267 | 1273  | 1270 | 1258  | 1250 | 581  |
| 35° | 857  | 870   | 898  | 860   | 824  | 515  |
| 45° | 6    | 69    | 206  | 89    | 21   | 74   |
| 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°    | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 |
| 1°    | 1745.1 | 1742.0 | 1743.6 | 1745.1 | 1746.6 |
| 2°    | 1731.3 | 1728.3 | 1728.3 | 1729.8 | 1729.8 |
| 3°    | 1714.5 | 1708.4 | 1708.4 | 1706.9 | 1706.9 |
| 4°    | 1691.6 | 1687.0 | 1684.0 | 1682.4 | 1682.4 |
| 5°    | 1670.2 | 1665.6 | 1661.0 | 1658.0 | 1656.5 |
| 6°    | 1651.9 | 1644.2 | 1638.1 | 1636.6 | 1638.1 |
| 7°    | 1630.5 | 1625.9 | 1619.8 | 1615.2 | 1616.7 |
| 8°    | 1615.2 | 1609.1 | 1601.5 | 1598.4 | 1598.4 |
| 9°    | 1601.5 | 1595.3 | 1587.7 | 1581.6 | 1584.6 |
| 10°   | 1586.2 | 1580.1 | 1572.4 | 1567.8 | 1569.4 |
| 11°   | 1575.5 | 1567.8 | 1558.7 | 1555.6 | 1557.1 |
| 12°   | 1563.2 | 1554.1 | 1544.9 | 1543.4 | 1546.4 |
| 13°   | 1548.0 | 1538.8 | 1529.6 | 1529.6 | 1532.7 |
| 14°   | 1534.2 | 1523.5 | 1514.3 | 1514.3 | 1518.9 |
| 15°   | 1518.9 | 1508.2 | 1497.5 | 1497.5 | 1500.6 |
| 17.5° | 1473.1 | 1463.9 | 1453.2 | 1453.2 | 1454.8 |
| 20°   | 1415.0 | 1410.4 | 1401.3 | 1396.7 | 1398.2 |
| 22.5° | 1341.7 | 1341.7 | 1337.1 | 1329.4 | 1326.4 |
| 25°   | 1266.8 | 1272.9 | 1269.9 | 1257.6 | 1250.0 |
| 27.5° | 1188.9 | 1199.6 | 1201.1 | 1182.8 | 1169.0 |
| 30°   | 1107.9 | 1117.0 | 1123.2 | 1101.8 | 1080.4 |
| 32.5° | 988.7  | 1016.2 | 1031.5 | 1002.4 | 958.1  |
| 35°   | 857.3  | 869.5  | 898.5  | 860.3  | 823.6  |
| 37.5° | 696.8  | 712.1  | 736.5  | 706.0  | 684.6  |
| 40°   | 461.5  | 522.6  | 537.9  | 522.6  | 473.7  |
| 42.5° | 166.6  | 293.4  | 353.0  | 299.5  | 195.6  |
| 45°   | 6.1    | 68.8   | 206.3  | 88.6   | 21.4   |
| 47.5° | 0.0    | 1.5    | 93.2   | 3.1    | 0.0    |
| 50°   | 0.0    | 0.0    | 19.9   | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 1.5    | 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)