

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: P1315065

Luminaire Tested: P3SQAS05R409740DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R409740DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

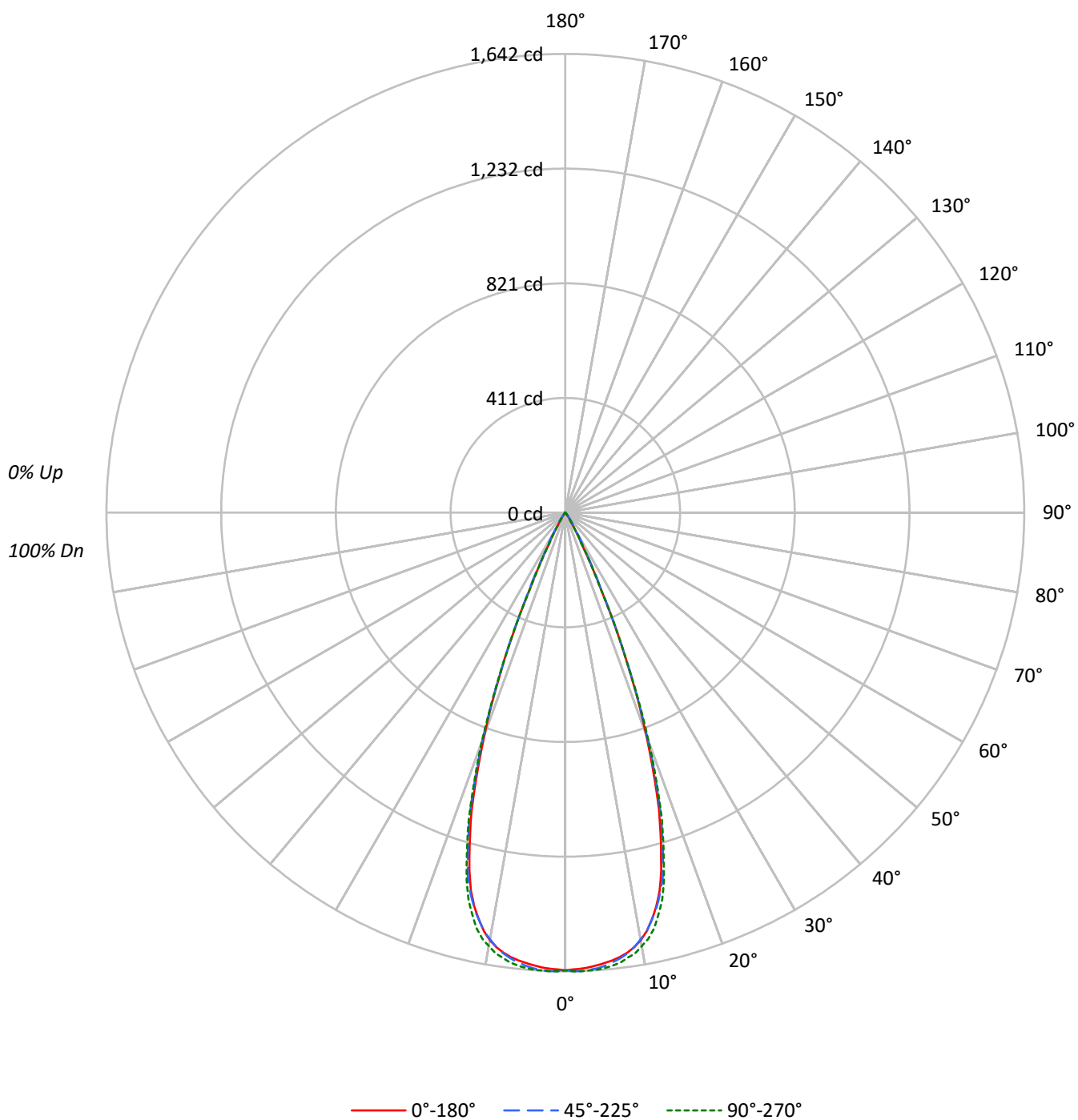
Lumens per Lamp: N/A  
Luminaire Lumens: 689.0 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 88  | 87  | 87  | 87  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 75  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 70  | 75  | 72  | 70  | 70  | 70  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 282187 | 282187 | 282187 |
| 5°  | 279738 | 281501 | 282833 |
| 10° | 271763 | 271256 | 275505 |
| 15° | 236423 | 240239 | 243163 |
| 20° | 155161 | 158185 | 160238 |
| 25° | 55317  | 58547  | 55051  |
| 30° | 12051  | 16307  | 12151  |
| 35° | 3869   | 6728   | 3784   |
| 40° | 1192   | 2068   | 1102   |
| 45° | 122    | 706    | 122    |
| 50° | 0      | 134    | 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: 706 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 153.2  | 22.2      |
| 10°-20°   | 356.8  | 51.8      |
| 20°-30°   | 160.0  | 23.2      |
| 30°-40°   | 17.3   | 2.5       |
| 40°-50°   | 1.6    | 0.2       |
| 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°    | 670.1  | 97.3      |
| 0°-40°    | 687.4  | 99.8      |
| 0°-60°    | 689.0  | 100.0     |
| 0°-90°    | 689.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 689.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1638 | 1638  | 1638 | 1638  | 1638 |      |
| 5°  | 1618 | 1622  | 1628 | 1631  | 1636 | 153  |
| 15° | 1326 | 1336  | 1347 | 1355  | 1364 | 352  |
| 25° | 291  | 300   | 308  | 313   | 290  | 155  |
| 35° | 18   | 21    | 32   | 21    | 18   | 14   |
| 45° | 0    | 1     | 3    | 1     | 0    | 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°    | 1638.5 | 1638.5 | 1638.5 | 1638.5 | 1638.5 |
| 1°    | 1635.1 | 1638.5 | 1641.4 | 1638.9 | 1642.3 |
| 2°    | 1633.6 | 1637.5 | 1641.9 | 1639.4 | 1642.3 |
| 3°    | 1629.7 | 1634.6 | 1639.4 | 1638.0 | 1640.9 |
| 4°    | 1624.4 | 1628.3 | 1635.5 | 1635.5 | 1639.9 |
| 5°    | 1618.1 | 1622.4 | 1628.3 | 1630.7 | 1636.0 |
| 6°    | 1611.3 | 1613.7 | 1618.1 | 1622.9 | 1630.2 |
| 7°    | 1602.6 | 1602.6 | 1607.9 | 1612.7 | 1622.4 |
| 8°    | 1590.4 | 1589.5 | 1593.3 | 1599.6 | 1608.4 |
| 9°    | 1575.4 | 1572.0 | 1574.9 | 1584.1 | 1597.2 |
| 10°   | 1554.0 | 1551.1 | 1551.1 | 1562.8 | 1575.4 |
| 11°   | 1526.4 | 1525.4 | 1525.9 | 1537.1 | 1554.0 |
| 12°   | 1489.0 | 1490.0 | 1490.0 | 1502.6 | 1523.5 |
| 13°   | 1446.8 | 1446.3 | 1450.7 | 1464.8 | 1478.8 |
| 14°   | 1395.4 | 1398.3 | 1402.7 | 1415.3 | 1429.8 |
| 15°   | 1326.0 | 1335.7 | 1347.4 | 1355.1 | 1363.8 |
| 17.5° | 1114.9 | 1124.7 | 1140.7 | 1147.0 | 1148.9 |
| 20°   | 846.6  | 860.7  | 863.1  | 875.8  | 874.3  |
| 22.5° | 567.7  | 566.7  | 568.6  | 570.1  | 570.6  |
| 25°   | 291.1  | 299.8  | 308.1  | 313.4  | 289.7  |
| 27.5° | 126.6  | 141.7  | 152.3  | 138.3  | 128.1  |
| 30°   | 60.6   | 68.9   | 82.0   | 69.4   | 61.1   |
| 32.5° | 33.0   | 38.3   | 51.9   | 37.8   | 32.5   |
| 35°   | 18.4   | 21.3   | 32.0   | 20.9   | 18.0   |
| 37.5° | 10.7   | 11.6   | 17.5   | 11.6   | 10.2   |
| 40°   | 5.3    | 6.8    | 9.2    | 6.8    | 4.9    |
| 42.5° | 1.9    | 3.4    | 4.9    | 3.4    | 1.9    |
| 45°   | 0.5    | 1.0    | 2.9    | 1.0    | 0.5    |
| 47.5° | 0.0    | 0.0    | 1.5    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 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)