

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: P1307717

Luminaire Tested: P3SQAS05R409030DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307717  
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: P3SQAS05R409030DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

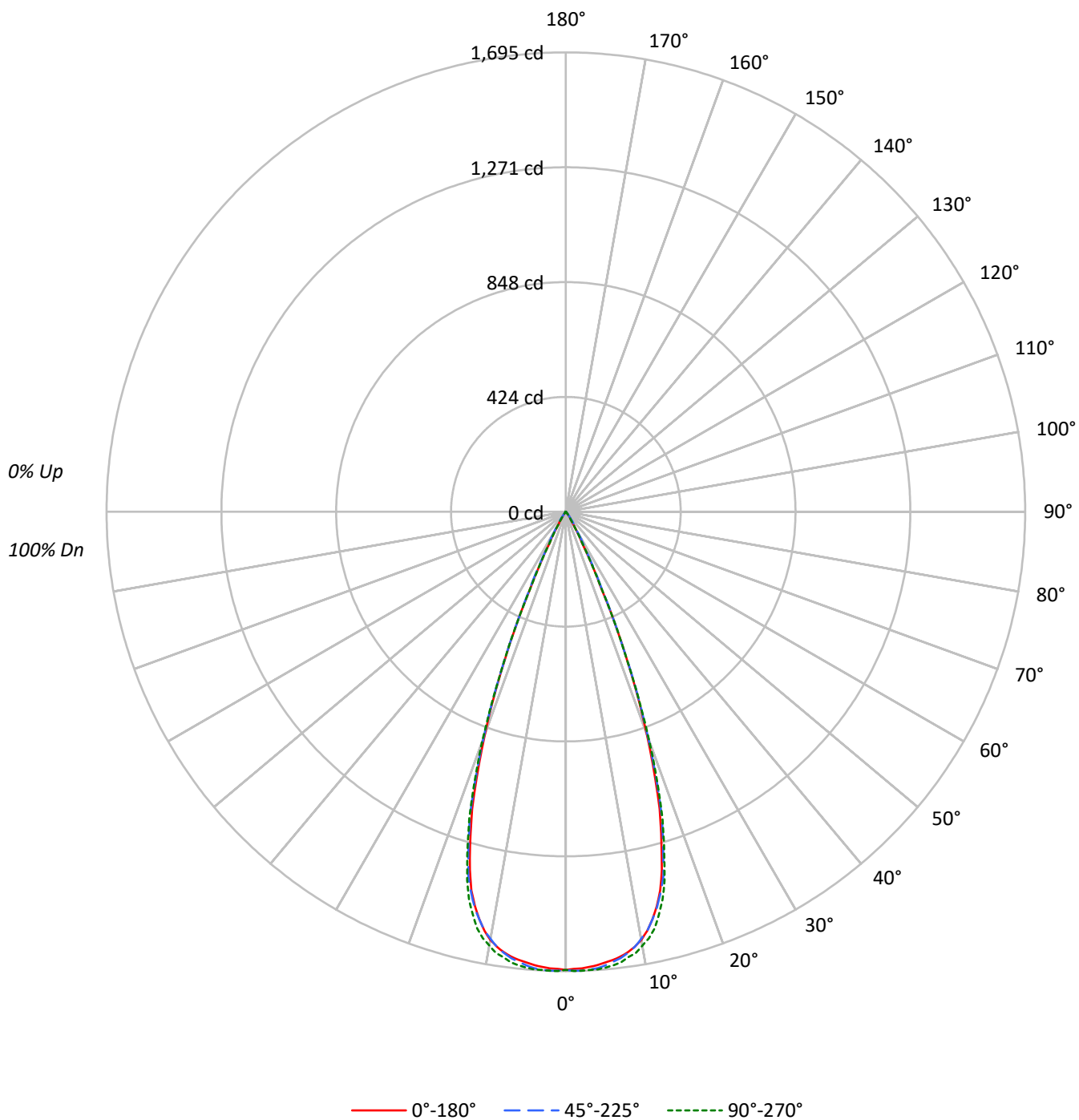
Lumens per Lamp: N/A  
Luminaire Lumens: 711.0 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1307717

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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 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 291194 | 291194 | 291194 |
| 5°  | 288659 | 290491 | 291874 |
| 10° | 280454 | 279930 | 284302 |
| 15° | 243965 | 247906 | 250937 |
| 20° | 160128 | 163243 | 165351 |
| 25° | 57084  | 60409  | 56799  |
| 30° | 12449  | 16824  | 12548  |
| 35° | 3995   | 6938   | 3890   |
| 40° | 1237   | 2136   | 1124   |
| 45° | 122    | 731    | 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: 731 cd/sqm

TEST NUMBER: P1307717

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.1  | 22.2      |
| 10°-20°   | 368.2  | 51.8      |
| 20°-30°   | 165.1  | 23.2      |
| 30°-40°   | 17.8   | 2.5       |
| 40°-50°   | 1.7    | 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°    | 691.5  | 97.3      |
| 0°-40°    | 709.3  | 99.8      |
| 0°-60°    | 711.0  | 100.0     |
| 0°-90°    | 711.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 711.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1691 | 1691  | 1691 | 1691  | 1691 |      |
| 5°  | 1670 | 1674  | 1680 | 1683  | 1688 | 158  |
| 15° | 1368 | 1378  | 1390 | 1398  | 1407 | 364  |
| 25° | 300  | 309   | 318  | 323   | 299  | 160  |
| 35° | 19   | 22    | 33   | 22    | 18   | 15   |
| 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    |      |

TEST NUMBER: P1307717

CATALOG NUMBER: P3SQAS05R409030DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1690.8 | 1690.8 | 1690.8 | 1690.8 | 1690.8 |
| 1°    | 1687.3 | 1690.8 | 1693.8 | 1691.3 | 1694.8 |
| 2°    | 1685.8 | 1689.8 | 1694.3 | 1691.8 | 1694.8 |
| 3°    | 1681.8 | 1686.8 | 1691.8 | 1690.3 | 1693.3 |
| 4°    | 1676.3 | 1680.3 | 1687.8 | 1687.8 | 1692.3 |
| 5°    | 1669.7 | 1674.3 | 1680.3 | 1682.8 | 1688.3 |
| 6°    | 1662.7 | 1665.2 | 1669.7 | 1674.8 | 1682.3 |
| 7°    | 1653.7 | 1653.7 | 1659.2 | 1664.2 | 1674.3 |
| 8°    | 1641.2 | 1640.2 | 1644.2 | 1650.7 | 1659.7 |
| 9°    | 1625.7 | 1622.2 | 1625.2 | 1634.7 | 1648.2 |
| 10°   | 1603.7 | 1600.7 | 1600.7 | 1612.7 | 1625.7 |
| 11°   | 1575.1 | 1574.1 | 1574.6 | 1586.1 | 1603.7 |
| 12°   | 1536.6 | 1537.6 | 1537.6 | 1550.6 | 1572.1 |
| 13°   | 1493.0 | 1492.5 | 1497.0 | 1511.5 | 1526.1 |
| 14°   | 1439.9 | 1442.9 | 1447.4 | 1460.5 | 1475.5 |
| 15°   | 1368.3 | 1378.4 | 1390.4 | 1398.4 | 1407.4 |
| 17.5° | 1150.5 | 1160.6 | 1177.1 | 1183.6 | 1185.6 |
| 20°   | 873.7  | 888.2  | 890.7  | 903.7  | 902.2  |
| 22.5° | 585.8  | 584.8  | 586.8  | 588.3  | 588.8  |
| 25°   | 300.4  | 309.4  | 317.9  | 323.4  | 298.9  |
| 27.5° | 130.7  | 146.2  | 157.2  | 142.7  | 132.2  |
| 30°   | 62.6   | 71.1   | 84.6   | 71.6   | 63.1   |
| 32.5° | 34.0   | 39.6   | 53.6   | 39.1   | 33.5   |
| 35°   | 19.0   | 22.0   | 33.0   | 21.5   | 18.5   |
| 37.5° | 11.0   | 12.0   | 18.0   | 12.0   | 10.5   |
| 40°   | 5.5    | 7.0    | 9.5    | 7.0    | 5.0    |
| 42.5° | 2.0    | 3.5    | 5.0    | 3.5    | 2.0    |
| 45°   | 0.5    | 1.0    | 3.0    | 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)