

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: P1313105

Luminaire Tested: P3SQAS05R359730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

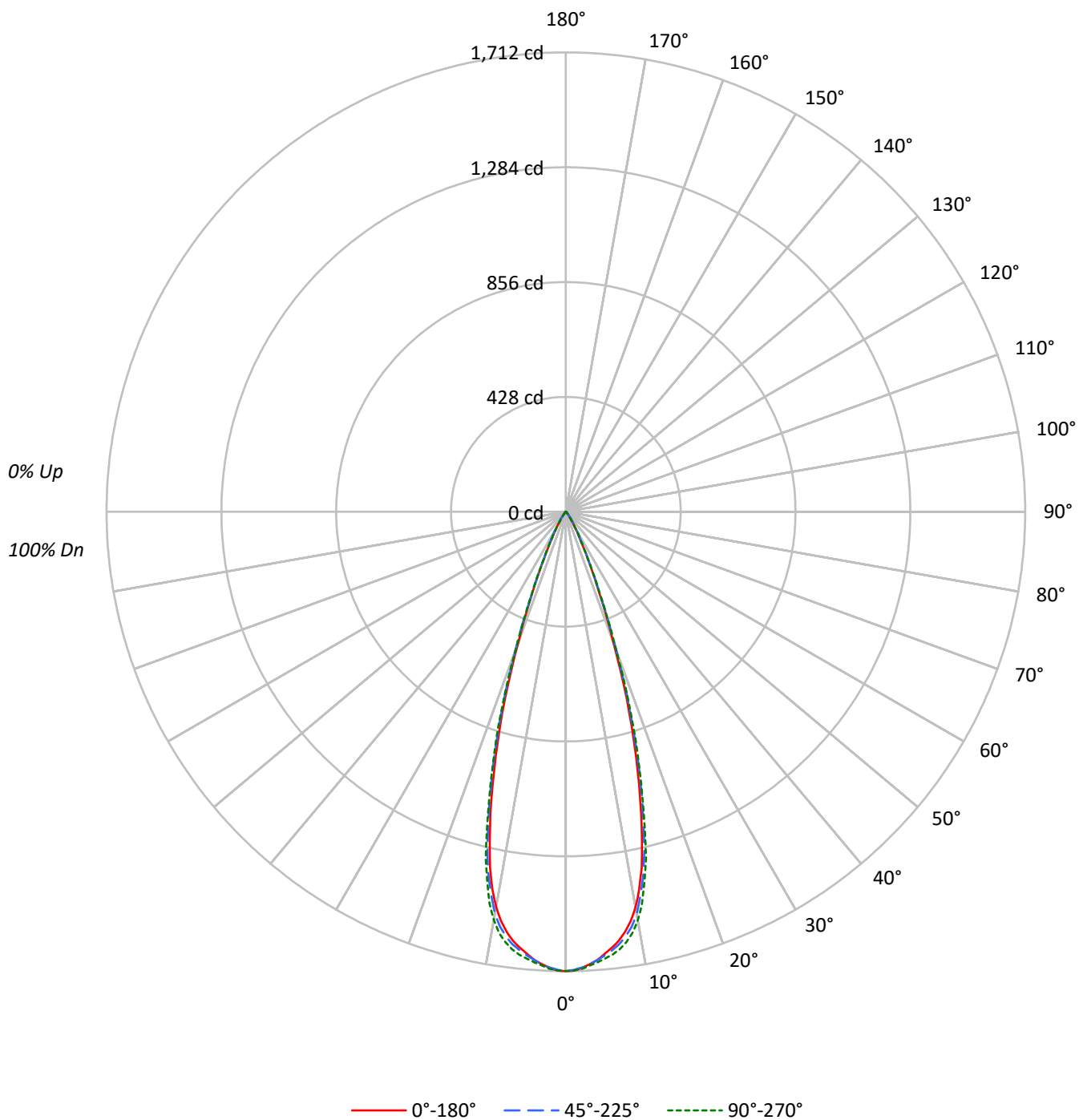
Lumens per Lamp: N/A  
Luminaire Lumens: 574.9 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1313105

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQCD1MW

### 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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 99  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  | 95  | 94  | 93  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  | 92  | 90  | 89  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  | 86  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  | 86  | 84  | 83  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  | 83  | 81  | 80  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  | 81  | 78  | 77  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  | 78  | 76  | 75  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  |  | 79  | 76  | 74  |  | 79  | 76  | 73  | 72  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  |  | 77  | 74  | 71  |  | 76  | 73  | 71  | 70  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 294811 | 294811 | 294811 |
| 5°  | 286083 | 287085 | 289022 |
| 10° | 261690 | 266236 | 270329 |
| 15° | 187837 | 194719 | 196716 |
| 20° | 94497  | 99995  | 100252 |
| 25° | 35820  | 36922  | 37093  |
| 30° | 14537  | 16685  | 14279  |
| 35° | 5277   | 8010   | 5088   |
| 40° | 2226   | 3440   | 2113   |
| 45° | 536    | 1413   | 536    |
| 50° | 348    | 589    | 348    |
| 55° | 390    | 390    | 390    |
| 60° | 448    | 448    | 448    |
| 65° | 367    | 367    | 367    |
| 70° | 201    | 201    | 201    |
| 75° | 266    | 266    | 266    |
| 80° | 397    | 397    | 397    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1413 cd/sqm

TEST NUMBER: P1313105

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 154.8  | 26.9      |
| 10°-20°   | 288.3  | 50.2      |
| 20°-30°   | 103.7  | 18.0      |
| 30°-40°   | 21.8   | 3.8       |
| 40°-50°   | 3.7    | 0.7       |
| 50°-60°   | 1.2    | 0.2       |
| 60°-70°   | 0.9    | 0.2       |
| 70°-80°   | 0.4    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 546.8  | 95.1      |
| 0°-40°    | 568.6  | 98.9      |
| 0°-60°    | 573.5  | 99.8      |
| 0°-90°    | 574.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 574.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1712 | 1712  | 1712 | 1712  | 1712 |      |
| 5°  | 1655 | 1658  | 1661 | 1672  | 1672 | 153  |
| 15° | 1054 | 1072  | 1092 | 1104  | 1103 | 280  |
| 25° | 188  | 191   | 194  | 196   | 195  | 100  |
| 35° | 25   | 30    | 38   | 29    | 24   | 19   |
| 45° | 2    | 4     | 6    | 4     | 2    | 3    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1313105

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1711.8 | 1711.8 | 1711.8 | 1711.8 | 1711.8 |
| 1°    | 1710.9 | 1710.9 | 1707.3 | 1711.3 | 1710.0 |
| 2°    | 1701.5 | 1702.4 | 1700.1 | 1705.1 | 1704.6 |
| 3°    | 1688.5 | 1690.7 | 1688.9 | 1696.1 | 1693.8 |
| 4°    | 1674.5 | 1676.3 | 1675.4 | 1684.4 | 1683.5 |
| 5°    | 1654.8 | 1657.9 | 1660.6 | 1671.8 | 1671.8 |
| 6°    | 1634.6 | 1637.7 | 1643.6 | 1655.7 | 1659.7 |
| 7°    | 1611.3 | 1615.3 | 1624.7 | 1640.9 | 1643.6 |
| 8°    | 1581.7 | 1586.1 | 1599.2 | 1616.7 | 1620.2 |
| 9°    | 1544.9 | 1551.6 | 1566.4 | 1587.5 | 1589.7 |
| 10°   | 1496.4 | 1501.8 | 1522.4 | 1539.9 | 1545.8 |
| 11°   | 1433.6 | 1438.1 | 1456.5 | 1484.7 | 1488.3 |
| 12°   | 1357.3 | 1362.7 | 1386.5 | 1404.9 | 1408.5 |
| 13°   | 1260.8 | 1271.2 | 1299.9 | 1317.8 | 1327.7 |
| 14°   | 1161.7 | 1175.6 | 1196.2 | 1221.8 | 1215.5 |
| 15°   | 1053.5 | 1071.9 | 1092.1 | 1103.8 | 1103.3 |
| 17.5° | 788.4  | 799.1  | 817.1  | 823.8  | 832.8  |
| 20°   | 515.6  | 529.5  | 545.6  | 551.9  | 547.0  |
| 22.5° | 319.9  | 323.5  | 328.4  | 331.1  | 330.2  |
| 25°   | 188.5  | 191.1  | 194.3  | 196.1  | 195.2  |
| 27.5° | 113.5  | 119.8  | 124.3  | 118.9  | 115.8  |
| 30°   | 73.1   | 75.8   | 83.9   | 76.7   | 71.8   |
| 32.5° | 43.5   | 49.8   | 56.5   | 48.0   | 41.7   |
| 35°   | 25.1   | 29.6   | 38.1   | 29.2   | 24.2   |
| 37.5° | 16.2   | 18.4   | 24.7   | 17.9   | 15.7   |
| 40°   | 9.9    | 12.6   | 15.3   | 11.7   | 9.4    |
| 42.5° | 4.9    | 7.6    | 9.0    | 6.7    | 4.9    |
| 45°   | 2.2    | 3.6    | 5.8    | 3.6    | 2.2    |
| 47.5° | 1.3    | 1.8    | 3.6    | 1.8    | 1.3    |
| 50°   | 1.3    | 1.3    | 2.2    | 1.3    | 1.3    |
| 52.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 65°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 67.5° | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 72.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 75°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 77.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 80°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 82.5° | 0.4    | 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    |



TEST NUMBER: P1313105

CATALOG NUMBER: P3SQAS05R359730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)