

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: P1313401

Luminaire Tested: P3SQAS13R259730DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R259730DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

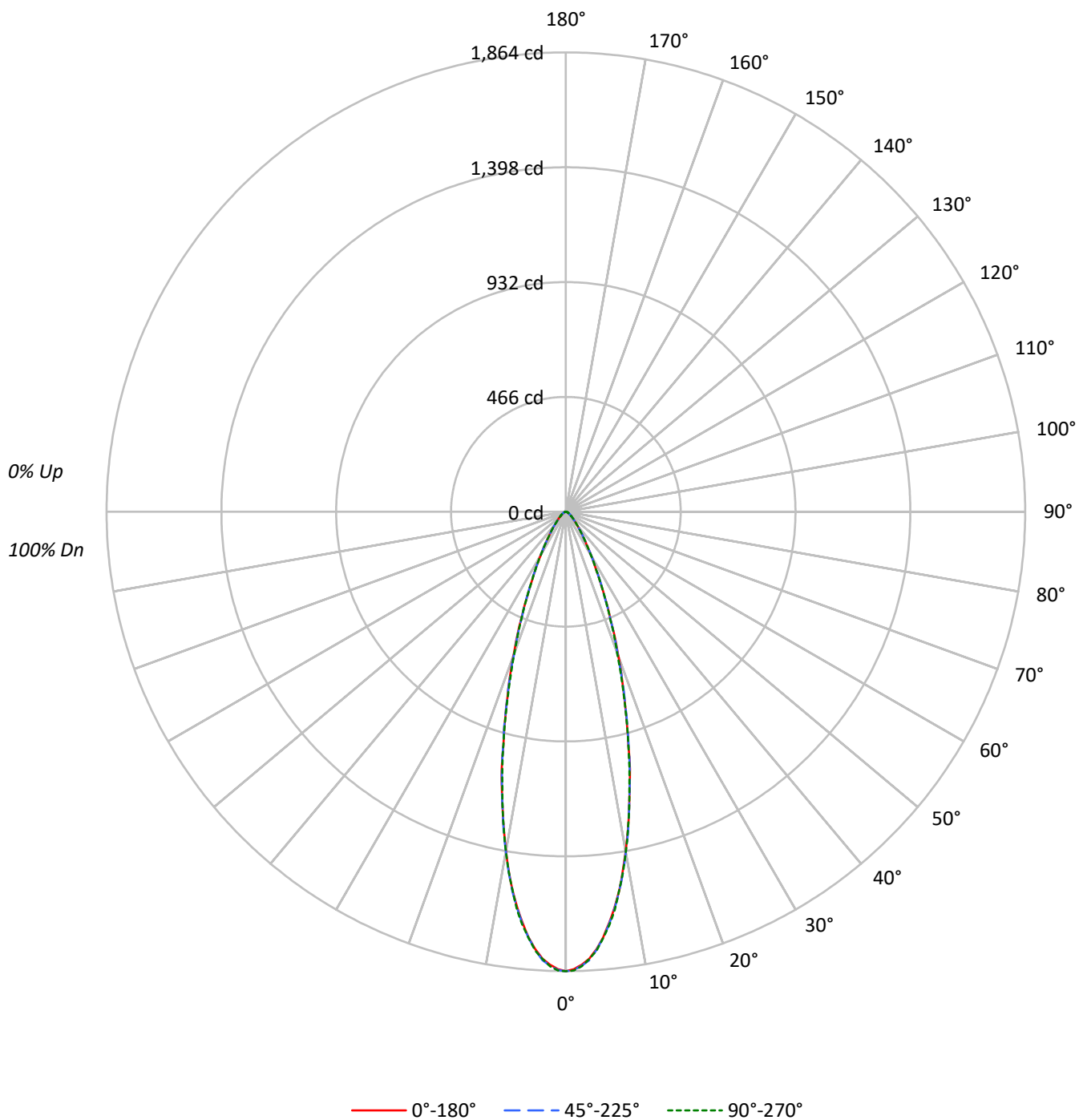
Lumens per Lamp: N/A  
Luminaire Lumens: 747.0 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 321075 | 321075 | 321075 |
| 5°  | 299688 | 300000 | 300138 |
| 10° | 244446 | 245216 | 245216 |
| 15° | 174589 | 175534 | 174589 |
| 20° | 114272 | 113154 | 111541 |
| 25° | 67935  | 68277  | 67935  |
| 30° | 40927  | 40927  | 40748  |
| 35° | 24935  | 25124  | 24935  |
| 40° | 15872  | 16075  | 16075  |
| 45° | 11033  | 11033  | 11033  |
| 50° | 7931   | 8172   | 8172   |
| 55° | 6275   | 6275   | 6546   |
| 60° | 5098   | 5408   | 5408   |
| 65° | 4605   | 4605   | 4605   |
| 70° | 3928   | 3928   | 4381   |
| 75° | 3460   | 3460   | 4059   |
| 80° | 3471   | 3471   | 3471   |
| 85° | 1778   | 1778   | 1778   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11033 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 154.9  | 20.7      |
| 10°-20°   | 270.0  | 36.2      |
| 20°-30°   | 169.8  | 22.7      |
| 30°-40°   | 77.7   | 10.4      |
| 40°-50°   | 36.3   | 4.9       |
| 50°-60°   | 19.5   | 2.6       |
| 60°-70°   | 11.5   | 1.5       |
| 70°-80°   | 6.0    | 0.8       |
| 80°-90°   | 1.3    | 0.2       |
| 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°    | 594.7  | 79.6      |
| 0°-40°    | 672.4  | 90.0      |
| 0°-60°    | 728.2  | 97.5      |
| 0°-90°    | 747.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 747.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1864 | 1864  | 1864 | 1864  | 1864 |      |
| 5°  | 1734 | 1737  | 1735 | 1737  | 1736 | 155  |
| 15° | 979  | 985   | 984  | 986   | 979  | 270  |
| 25° | 358  | 362   | 359  | 359   | 358  | 170  |
| 35° | 119  | 119   | 120  | 120   | 119  | 77   |
| 45° | 45   | 45    | 45   | 45    | 45   | 36   |
| 55° | 21   | 21    | 21   | 22    | 22   | 19   |
| 65° | 11   | 11    | 11   | 11    | 11   | 11   |
| 75° | 5    | 5     | 5    | 6     | 6    | 6    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1864.3 | 1864.3 | 1864.3 | 1864.3 | 1864.3 |
| 1°    | 1856.5 | 1858.2 | 1859.9 | 1862.6 | 1861.7 |
| 2°    | 1839.0 | 1842.5 | 1843.4 | 1846.9 | 1846.0 |
| 3°    | 1815.5 | 1814.6 | 1821.6 | 1821.6 | 1817.2 |
| 4°    | 1778.9 | 1780.6 | 1782.3 | 1784.1 | 1785.0 |
| 5°    | 1733.5 | 1737.0 | 1735.3 | 1737.0 | 1736.1 |
| 6°    | 1677.7 | 1682.9 | 1682.1 | 1683.8 | 1686.4 |
| 7°    | 1618.4 | 1621.9 | 1621.9 | 1620.2 | 1627.1 |
| 8°    | 1553.9 | 1551.3 | 1555.6 | 1553.9 | 1553.0 |
| 9°    | 1477.1 | 1482.4 | 1483.2 | 1478.9 | 1480.6 |
| 10°   | 1397.8 | 1401.3 | 1402.2 | 1404.8 | 1402.2 |
| 11°   | 1319.3 | 1319.3 | 1321.1 | 1325.4 | 1318.4 |
| 12°   | 1233.9 | 1241.7 | 1233.9 | 1237.3 | 1233.9 |
| 13°   | 1152.8 | 1154.5 | 1152.8 | 1151.9 | 1145.8 |
| 14°   | 1076.0 | 1069.9 | 1071.7 | 1064.7 | 1065.6 |
| 15°   | 979.2  | 985.3  | 984.5  | 986.2  | 979.2  |
| 17.5° | 787.4  | 790.9  | 790.0  | 788.3  | 779.6  |
| 20°   | 623.5  | 623.5  | 617.4  | 613.9  | 608.6  |
| 22.5° | 476.1  | 474.4  | 471.7  | 469.1  | 470.9  |
| 25°   | 357.5  | 361.9  | 359.3  | 359.3  | 357.5  |
| 27.5° | 270.3  | 275.5  | 271.2  | 268.6  | 270.3  |
| 30°   | 205.8  | 207.5  | 205.8  | 204.9  | 204.9  |
| 32.5° | 155.2  | 156.1  | 155.2  | 155.2  | 155.2  |
| 35°   | 118.6  | 118.6  | 119.5  | 119.5  | 118.6  |
| 37.5° | 91.6   | 91.6   | 91.6   | 91.6   | 92.4   |
| 40°   | 70.6   | 71.5   | 71.5   | 71.5   | 71.5   |
| 42.5° | 55.8   | 56.7   | 56.7   | 56.7   | 56.7   |
| 45°   | 45.3   | 45.3   | 45.3   | 45.3   | 45.3   |
| 47.5° | 36.6   | 36.6   | 36.6   | 36.6   | 37.5   |
| 50°   | 29.6   | 30.5   | 30.5   | 30.5   | 30.5   |
| 52.5° | 25.3   | 25.3   | 25.3   | 25.3   | 25.3   |
| 55°   | 20.9   | 20.9   | 20.9   | 21.8   | 21.8   |
| 57.5° | 17.4   | 17.4   | 18.3   | 18.3   | 18.3   |
| 60°   | 14.8   | 15.7   | 15.7   | 15.7   | 15.7   |
| 62.5° | 13.1   | 13.1   | 14.0   | 14.0   | 14.0   |
| 65°   | 11.3   | 11.3   | 11.3   | 11.3   | 11.3   |
| 67.5° | 9.6    | 9.6    | 9.6    | 9.6    | 10.5   |
| 70°   | 7.8    | 7.8    | 7.8    | 8.7    | 8.7    |
| 72.5° | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 75°   | 5.2    | 5.2    | 5.2    | 6.1    | 6.1    |
| 77.5° | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 80°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 82.5° | 1.7    | 1.7    | 2.6    | 2.6    | 2.6    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 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)