

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: P1309150

Luminaire Tested: P3SQAS13R359035DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359035DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

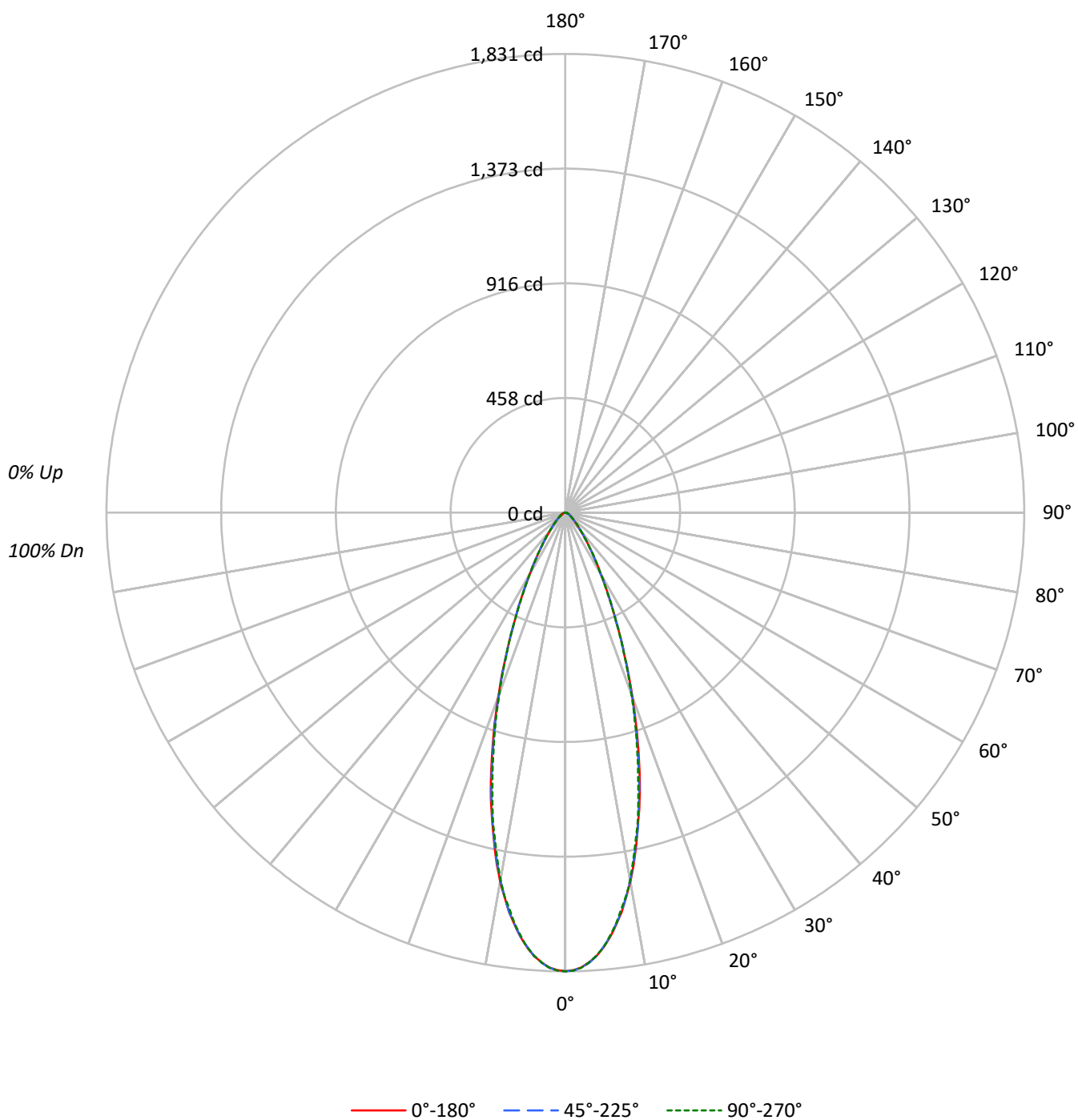
Lumens per Lamp: N/A  
Luminaire Lumens: 903.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 315340 | 315340 | 315340 |
| 5°  | 301331 | 300812 | 301331 |
| 10° | 261585 | 260710 | 260361 |
| 15° | 204971 | 203367 | 200157 |
| 20° | 143395 | 142112 | 141195 |
| 25° | 91080  | 91650  | 91080  |
| 30° | 56120  | 56518  | 56120  |
| 35° | 34711  | 34922  | 34922  |
| 40° | 22055  | 22280  | 22280  |
| 45° | 14857  | 15101  | 15344  |
| 50° | 10717  | 10985  | 10985  |
| 55° | 8407   | 8407   | 8407   |
| 60° | 6889   | 6889   | 6889   |
| 65° | 6113   | 6113   | 6113   |
| 70° | 5539   | 5539   | 5539   |
| 75° | 4658   | 4658   | 4658   |
| 80° | 3967   | 3967   | 3967   |
| 85° | 1976   | 1976   | 3952   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15344 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 158.2  | 17.5      |
| 10°-20°   | 311.6  | 34.5      |
| 20°-30°   | 224.8  | 24.9      |
| 30°-40°   | 108.4  | 12.0      |
| 40°-50°   | 49.9   | 5.5       |
| 50°-60°   | 25.8   | 2.9       |
| 60°-70°   | 14.9   | 1.7       |
| 70°-80°   | 7.5    | 0.8       |
| 80°-90°   | 1.8    | 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       |
| 0°-30°    | 694.6  | 76.9      |
| 0°-40°    | 803.0  | 88.9      |
| 0°-60°    | 878.7  | 97.3      |
| 0°-90°    | 903.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 903.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1831 | 1831  | 1831 | 1831  | 1831 |      |
| 5°  | 1743 | 1747  | 1740 | 1741  | 1743 | 158  |
| 15° | 1150 | 1148  | 1141 | 1136  | 1123 | 313  |
| 25° | 479  | 480   | 482  | 482   | 479  | 225  |
| 35° | 165  | 165   | 166  | 166   | 166  | 108  |
| 45° | 61   | 62    | 62   | 63    | 63   | 49   |
| 55° | 28   | 28    | 28   | 28    | 28   | 25   |
| 65° | 15   | 15    | 15   | 15    | 15   | 15   |
| 75° | 7    | 7     | 7    | 7     | 7    | 8    |
| 85° | 1    | 1     | 1    | 1     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1831.0 | 1831.0 | 1831.0 | 1831.0 | 1831.0 |
| 1°    | 1826.0 | 1829.0 | 1828.0 | 1829.0 | 1828.0 |
| 2°    | 1817.0 | 1819.0 | 1817.0 | 1818.0 | 1818.0 |
| 3°    | 1798.0 | 1800.0 | 1800.0 | 1799.0 | 1798.0 |
| 4°    | 1775.0 | 1780.0 | 1775.0 | 1776.0 | 1773.0 |
| 5°    | 1743.0 | 1747.0 | 1740.0 | 1741.0 | 1743.0 |
| 6°    | 1703.9 | 1704.9 | 1702.9 | 1701.9 | 1699.9 |
| 7°    | 1658.9 | 1662.9 | 1655.9 | 1656.9 | 1654.9 |
| 8°    | 1610.9 | 1609.9 | 1609.9 | 1605.9 | 1599.9 |
| 9°    | 1552.9 | 1556.9 | 1550.9 | 1548.9 | 1549.9 |
| 10°   | 1495.8 | 1495.8 | 1490.8 | 1485.8 | 1488.8 |
| 11°   | 1430.8 | 1428.8 | 1425.8 | 1418.8 | 1416.8 |
| 12°   | 1359.7 | 1363.7 | 1354.7 | 1351.7 | 1344.7 |
| 13°   | 1286.7 | 1292.7 | 1288.7 | 1277.7 | 1278.7 |
| 14°   | 1218.7 | 1214.7 | 1211.7 | 1209.7 | 1202.7 |
| 15°   | 1149.6 | 1147.6 | 1140.6 | 1135.6 | 1122.6 |
| 17.5° | 960.5  | 962.5  | 949.5  | 947.5  | 942.5  |
| 20°   | 782.4  | 776.4  | 775.4  | 776.4  | 770.4  |
| 22.5° | 617.3  | 623.3  | 616.3  | 617.3  | 613.3  |
| 25°   | 479.3  | 480.3  | 482.3  | 482.3  | 479.3  |
| 27.5° | 372.2  | 372.2  | 370.2  | 372.2  | 369.2  |
| 30°   | 282.2  | 282.2  | 284.2  | 286.2  | 282.2  |
| 32.5° | 218.1  | 218.1  | 218.1  | 219.1  | 220.1  |
| 35°   | 165.1  | 165.1  | 166.1  | 166.1  | 166.1  |
| 37.5° | 127.1  | 128.1  | 129.1  | 129.1  | 129.1  |
| 40°   | 98.1   | 99.1   | 99.1   | 100.1  | 99.1   |
| 42.5° | 78.0   | 78.0   | 78.0   | 79.0   | 79.0   |
| 45°   | 61.0   | 62.0   | 62.0   | 63.0   | 63.0   |
| 47.5° | 50.0   | 50.0   | 50.0   | 51.0   | 51.0   |
| 50°   | 40.0   | 41.0   | 41.0   | 41.0   | 41.0   |
| 52.5° | 33.0   | 33.0   | 34.0   | 34.0   | 34.0   |
| 55°   | 28.0   | 28.0   | 28.0   | 28.0   | 28.0   |
| 57.5° | 23.0   | 24.0   | 24.0   | 24.0   | 24.0   |
| 60°   | 20.0   | 20.0   | 20.0   | 20.0   | 20.0   |
| 62.5° | 17.0   | 17.0   | 17.0   | 17.0   | 17.0   |
| 65°   | 15.0   | 15.0   | 15.0   | 15.0   | 15.0   |
| 67.5° | 12.0   | 13.0   | 13.0   | 13.0   | 13.0   |
| 70°   | 11.0   | 11.0   | 11.0   | 11.0   | 11.0   |
| 72.5° | 8.0    | 9.0    | 9.0    | 9.0    | 9.0    |
| 75°   | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 77.5° | 6.0    | 5.0    | 5.0    | 5.0    | 6.0    |
| 80°   | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 82.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 85°   | 1.0    | 1.0    | 1.0    | 1.0    | 2.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    |



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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)