

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: P1317724

Luminaire Tested: P3SQAS05R359835DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359835DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

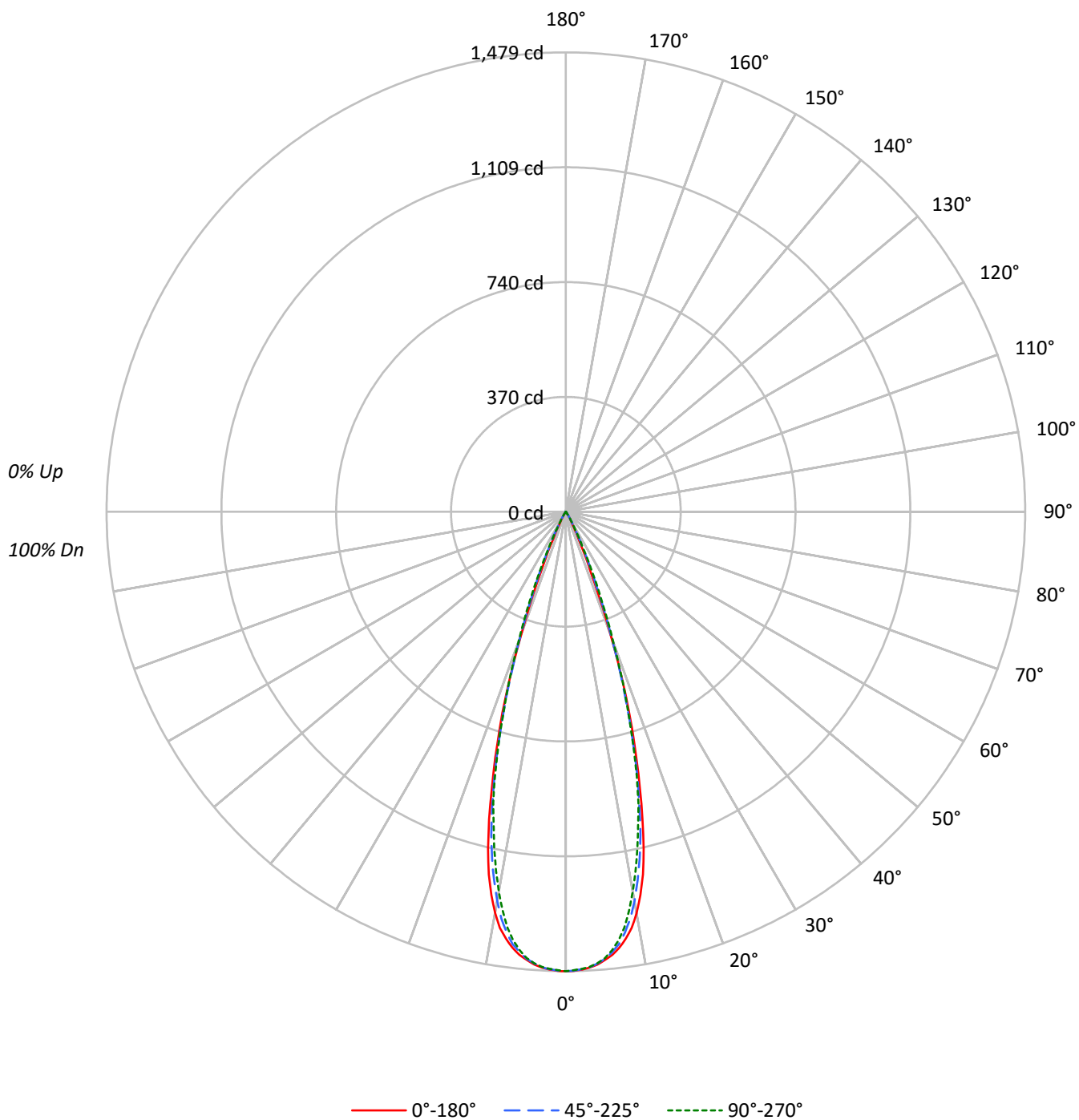
Lumens per Lamp: N/A  
Luminaire Lumens: 449.0 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 254769 | 254769 | 254769 |
| 5°  | 250400 | 249864 | 249328 |
| 10° | 229477 | 222587 | 217165 |
| 15° | 164319 | 159077 | 157152 |
| 20° | 76206  | 78827  | 81576  |
| 25° | 18072  | 25730  | 26832  |
| 30° | 5310   | 6085   | 6841   |
| 35° | 1219   | 1955   | 1787   |
| 40° | 270    | 517    | 337    |
| 45° | 97     | 97     | 97     |
| 50° | 107    | 0      | 107    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 132.8  | 29.6      |
| 10°-20°   | 237.4  | 52.9      |
| 20°-30°   | 71.4   | 15.9      |
| 30°-40°   | 6.8    | 1.5       |
| 40°-50°   | 0.5    | 0.1       |
| 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       |
| 0°-30°    | 441.7  | 98.4      |
| 0°-40°    | 448.5  | 99.9      |
| 0°-60°    | 449.0  | 100.0     |
| 0°-90°    | 449.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 449.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1479 | 1479  | 1479 | 1479  | 1479 |      |
| 5°  | 1448 | 1448  | 1445 | 1443  | 1442 | 134  |
| 15° | 922  | 915   | 892  | 888   | 881  | 243  |
| 25° | 95   | 105   | 135  | 141   | 141  | 61   |
| 35° | 6    | 8     | 9    | 10    | 8    | 5    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 1479.3 | 1479.3 | 1479.3 | 1479.3 | 1479.3 |
| 1°    | 1478.5 | 1478.5 | 1477.8 | 1477.8 | 1476.2 |
| 2°    | 1475.0 | 1475.4 | 1473.9 | 1473.5 | 1472.3 |
| 3°    | 1469.6 | 1468.5 | 1468.5 | 1467.7 | 1466.9 |
| 4°    | 1461.1 | 1458.8 | 1458.0 | 1458.4 | 1456.9 |
| 5°    | 1448.4 | 1448.0 | 1445.3 | 1443.3 | 1442.2 |
| 6°    | 1434.4 | 1431.7 | 1425.9 | 1420.9 | 1419.7 |
| 7°    | 1413.6 | 1407.8 | 1402.7 | 1392.3 | 1390.7 |
| 8°    | 1388.0 | 1378.7 | 1367.9 | 1353.2 | 1352.4 |
| 9°    | 1356.7 | 1341.6 | 1326.5 | 1306.8 | 1299.8 |
| 10°   | 1312.2 | 1298.3 | 1272.8 | 1255.4 | 1241.8 |
| 11°   | 1256.9 | 1239.5 | 1209.7 | 1188.9 | 1177.6 |
| 12°   | 1194.3 | 1178.0 | 1143.2 | 1124.3 | 1108.4 |
| 13°   | 1113.8 | 1100.3 | 1067.8 | 1046.9 | 1034.5 |
| 14°   | 1020.6 | 1010.6 | 979.6  | 970.3  | 966.1  |
| 15°   | 921.6  | 914.7  | 892.2  | 888.4  | 881.4  |
| 17.5° | 678.4  | 666.7  | 654.0  | 656.3  | 658.6  |
| 20°   | 415.8  | 432.0  | 430.1  | 438.6  | 445.1  |
| 22.5° | 207.3  | 228.2  | 252.5  | 267.2  | 274.6  |
| 25°   | 95.1   | 104.8  | 135.4  | 141.2  | 141.2  |
| 27.5° | 48.0   | 50.3   | 63.8   | 65.0   | 68.1   |
| 30°   | 26.7   | 28.6   | 30.6   | 34.0   | 34.4   |
| 32.5° | 13.5   | 15.9   | 16.6   | 18.6   | 17.8   |
| 35°   | 5.8    | 7.7    | 9.3    | 10.1   | 8.5    |
| 37.5° | 2.7    | 3.5    | 5.0    | 4.6    | 3.5    |
| 40°   | 1.2    | 1.5    | 2.3    | 1.9    | 1.5    |
| 42.5° | 0.8    | 0.8    | 1.2    | 0.8    | 0.8    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)