

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: P1314846

Luminaire Tested: P3SQAS02R259740DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259740DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

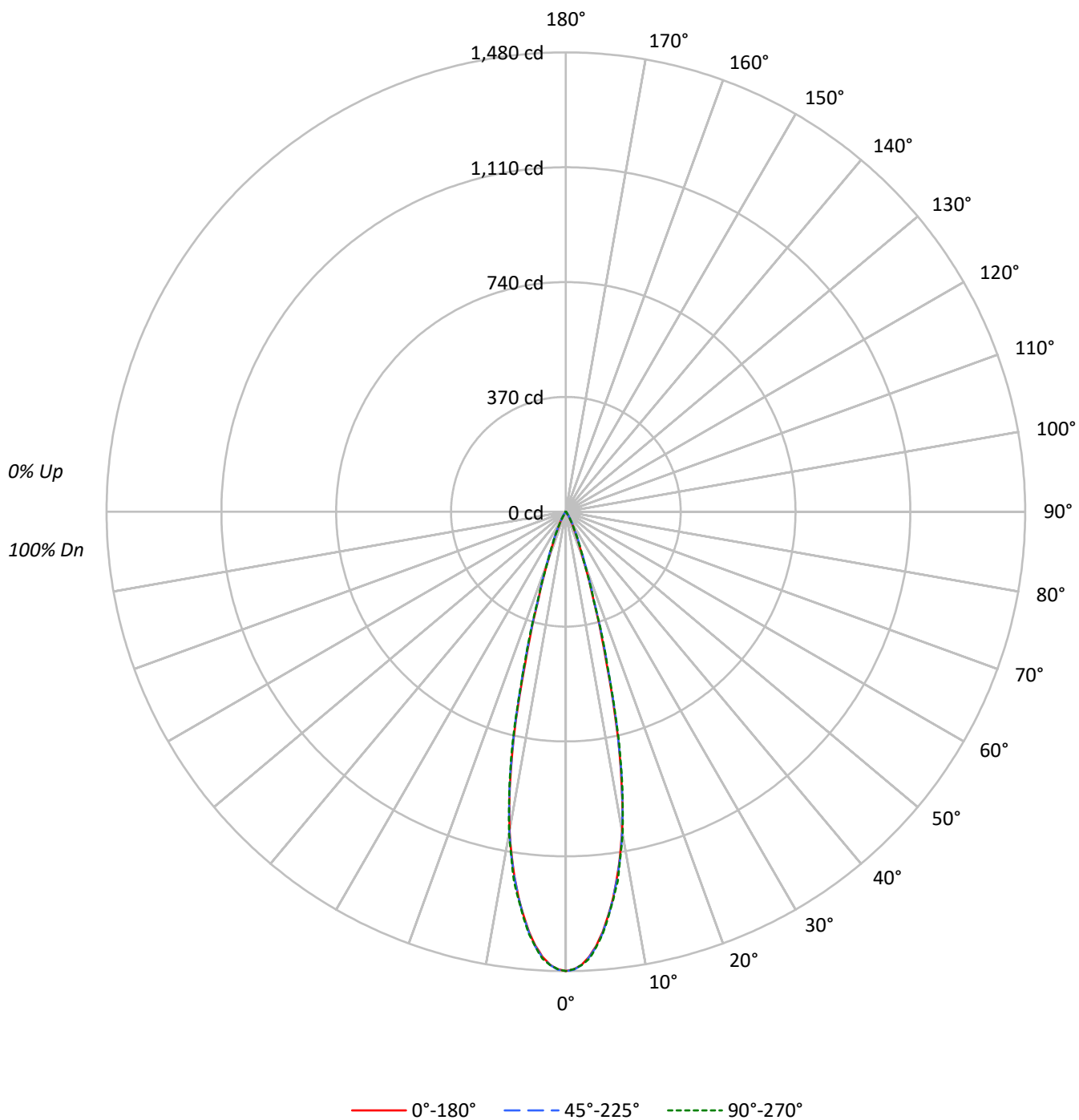
Lumens per Lamp: N/A  
Luminaire Lumens: 308.0 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 254838 | 254838 | 254838 |
| 5°  | 234979 | 235498 | 235999 |
| 10° | 182434 | 183099 | 184096 |
| 15° | 90165  | 93945  | 93999  |
| 20° | 30350  | 32385  | 30974  |
| 25° | 12580  | 13967  | 12941  |
| 30° | 4932   | 6205   | 4972   |
| 35° | 1282   | 2544   | 1346   |
| 40° | 472    | 1012   | 472    |
| 45° | 49     | 292    | 49     |
| 50° | 0      | 54     | 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: 292 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 119.9  | 38.9      |
| 10°-20°   | 145.0  | 47.1      |
| 20°-30°   | 35.4   | 11.5      |
| 30°-40°   | 6.9    | 2.2       |
| 40°-50°   | 0.8    | 0.3       |
| 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°    | 300.3  | 97.5      |
| 0°-40°    | 307.2  | 99.7      |
| 0°-60°    | 308.0  | 100.0     |
| 0°-90°    | 308.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 308.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1480 | 1480  | 1480 | 1480  | 1480 |      |
| 5°  | 1359 | 1361  | 1362 | 1368  | 1365 | 120  |
| 15° | 506  | 518   | 527  | 532   | 527  | 142  |
| 25° | 66   | 70    | 74   | 70    | 68   | 34   |
| 35° | 6    | 9     | 12   | 9     | 6    | 5    |
| 45° | 0    | 1     | 1    | 1     | 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°    | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 |
| 1°    | 1474.0 | 1475.0 | 1475.2 | 1476.6 | 1473.8 |
| 2°    | 1460.5 | 1460.8 | 1461.5 | 1464.3 | 1461.7 |
| 3°    | 1435.7 | 1437.4 | 1437.6 | 1441.4 | 1442.1 |
| 4°    | 1401.9 | 1402.9 | 1404.8 | 1411.2 | 1405.5 |
| 5°    | 1359.2 | 1361.1 | 1362.2 | 1368.2 | 1365.1 |
| 6°    | 1306.2 | 1306.7 | 1309.3 | 1316.2 | 1311.9 |
| 7°    | 1252.4 | 1252.1 | 1252.4 | 1257.8 | 1256.6 |
| 8°    | 1187.4 | 1186.2 | 1190.0 | 1196.6 | 1201.1 |
| 9°    | 1119.6 | 1121.2 | 1123.6 | 1130.0 | 1124.8 |
| 10°   | 1043.2 | 1047.7 | 1047.0 | 1047.5 | 1052.7 |
| 11°   | 955.3  | 956.8  | 957.0  | 962.0  | 961.2  |
| 12°   | 852.1  | 852.1  | 859.9  | 867.9  | 865.3  |
| 13°   | 747.9  | 755.2  | 750.0  | 751.7  | 762.1  |
| 14°   | 626.4  | 632.1  | 639.2  | 645.8  | 640.6  |
| 15°   | 505.7  | 517.7  | 526.9  | 532.1  | 527.2  |
| 17.5° | 289.7  | 293.7  | 301.5  | 302.5  | 299.4  |
| 20°   | 165.6  | 170.6  | 176.7  | 174.9  | 169.0  |
| 22.5° | 104.2  | 105.6  | 111.8  | 108.7  | 107.3  |
| 25°   | 66.2   | 69.7   | 73.5   | 70.4   | 68.1   |
| 27.5° | 41.1   | 43.5   | 47.5   | 44.2   | 41.6   |
| 30°   | 24.8   | 26.9   | 31.2   | 26.7   | 25.0   |
| 32.5° | 13.0   | 16.1   | 19.6   | 16.3   | 13.0   |
| 35°   | 6.1    | 8.7    | 12.1   | 8.7    | 6.4    |
| 37.5° | 3.8    | 4.7    | 7.3    | 4.7    | 3.8    |
| 40°   | 2.1    | 3.1    | 4.5    | 3.1    | 2.1    |
| 42.5° | 0.9    | 1.7    | 2.1    | 1.7    | 1.2    |
| 45°   | 0.2    | 0.7    | 1.2    | 0.7    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.7    | 0.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)