

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: P1312223

Luminaire Tested: P3SQAS09R159727DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159727DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

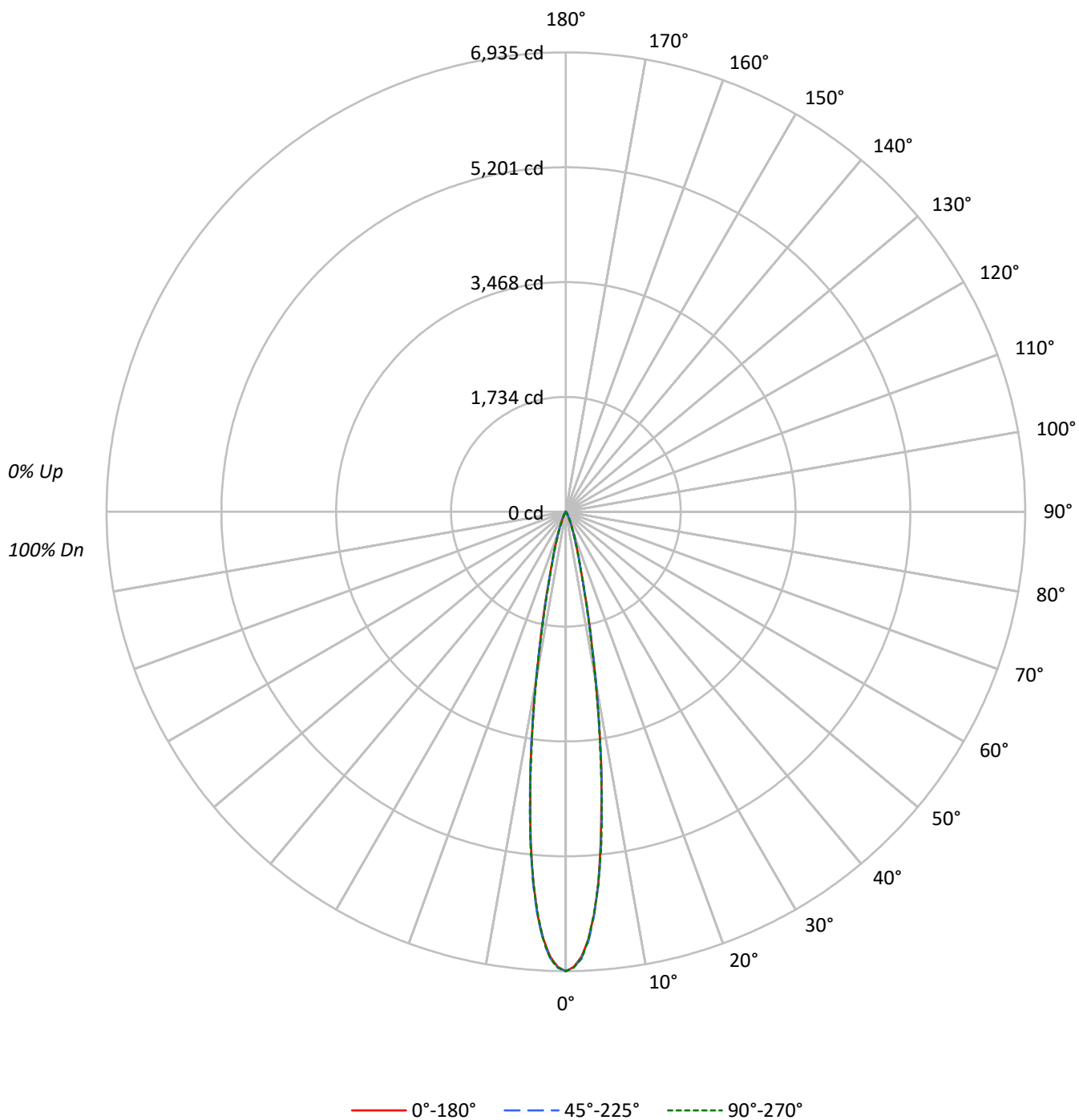
Lumens per Lamp: N/A  
Luminaire Lumens: 774.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  |     |     | 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  | 98  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  | 96  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  | 95  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  | 93  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  | 91  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 92  | 90  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 90  | 88  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  |  | 90  | 87  | 85  |  | 89  | 87  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  | 85  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1194364 | 1194364 | 1194364 |
| 5°  | 972436  | 975617  | 973698  |
| 10° | 453620  | 457695  | 451906  |
| 15° | 142442  | 143655  | 142781  |
| 20° | 56431   | 58685   | 54634   |
| 25° | 22803   | 27573   | 21986   |
| 30° | 9128    | 12548   | 8651    |
| 35° | 2712    | 5529    | 2565    |
| 40° | 832     | 2068    | 697     |
| 45° | 146     | 438     | 146     |
| 50° | 0       | 161     | 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: 438 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 434.2  | 56.1      |
| 10°-20°   | 259.7  | 33.6      |
| 20°-30°   | 65.5   | 8.5       |
| 30°-40°   | 13.4   | 1.7       |
| 40°-50°   | 1.2    | 0.2       |
| 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°    | 759.4  | 98.1      |
| 0°-40°    | 772.7  | 99.8      |
| 0°-60°    | 774.0  | 100.0     |
| 0°-90°    | 774.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 774.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6935 | 6935  | 6935 | 6935  | 6935 |      |
| 5°  | 5625 | 5614  | 5643 | 5629  | 5632 | 433  |
| 15° | 799  | 806   | 806  | 794   | 801  | 260  |
| 25° | 120  | 131   | 145  | 129   | 116  | 62   |
| 35° | 13   | 17    | 26   | 16    | 12   | 11   |
| 45° | 1    | 1     | 2    | 1     | 1    | 1    |
| 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°    | 6935.0 | 6935.0 | 6935.0 | 6935.0 | 6935.0 |
| 1°    | 6872.6 | 6895.8 | 6883.6 | 6893.4 | 6882.4 |
| 2°    | 6723.8 | 6755.0 | 6745.2 | 6742.2 | 6750.7 |
| 3°    | 6461.8 | 6497.9 | 6496.7 | 6487.5 | 6472.8 |
| 4°    | 6104.3 | 6089.6 | 6112.2 | 6109.8 | 6084.7 |
| 5°    | 5624.9 | 5614.5 | 5643.3 | 5629.2 | 5632.2 |
| 6°    | 5038.4 | 5083.7 | 5073.9 | 5075.1 | 5086.8 |
| 7°    | 4408.5 | 4432.9 | 4453.8 | 4470.9 | 4447.0 |
| 8°    | 3829.9 | 3823.8 | 3825.6 | 3845.2 | 3779.1 |
| 9°    | 3182.2 | 3220.2 | 3195.7 | 3156.5 | 3181.6 |
| 10°   | 2593.9 | 2617.2 | 2617.2 | 2582.9 | 2584.1 |
| 11°   | 2068.0 | 2087.0 | 2073.5 | 2082.1 | 2028.2 |
| 12°   | 1667.0 | 1619.9 | 1608.9 | 1617.4 | 1616.8 |
| 13°   | 1272.8 | 1275.8 | 1272.8 | 1272.2 | 1266.0 |
| 14°   | 997.9  | 1013.8 | 1007.1 | 990.5  | 983.2  |
| 15°   | 798.9  | 805.7  | 805.7  | 794.0  | 800.8  |
| 17.5° | 480.0  | 487.9  | 489.8  | 481.8  | 481.8  |
| 20°   | 307.9  | 311.6  | 320.2  | 308.5  | 298.1  |
| 22.5° | 189.8  | 197.7  | 212.4  | 195.3  | 186.7  |
| 25°   | 120.0  | 131.0  | 145.1  | 128.6  | 115.7  |
| 27.5° | 75.3   | 84.5   | 96.7   | 80.8   | 72.9   |
| 30°   | 45.9   | 52.0   | 63.1   | 50.8   | 43.5   |
| 32.5° | 25.7   | 30.6   | 39.8   | 29.4   | 24.5   |
| 35°   | 12.9   | 17.1   | 26.3   | 16.5   | 12.2   |
| 37.5° | 7.3    | 9.2    | 16.5   | 8.0    | 6.7    |
| 40°   | 3.7    | 4.9    | 9.2    | 4.9    | 3.1    |
| 42.5° | 1.2    | 2.4    | 3.7    | 2.4    | 1.2    |
| 45°   | 0.6    | 1.2    | 1.8    | 1.2    | 0.6    |
| 47.5° | 0.0    | 0.0    | 0.6    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.6    | 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)