

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: P1305704

Luminaire Tested: P3SQAS09R159024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305704  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

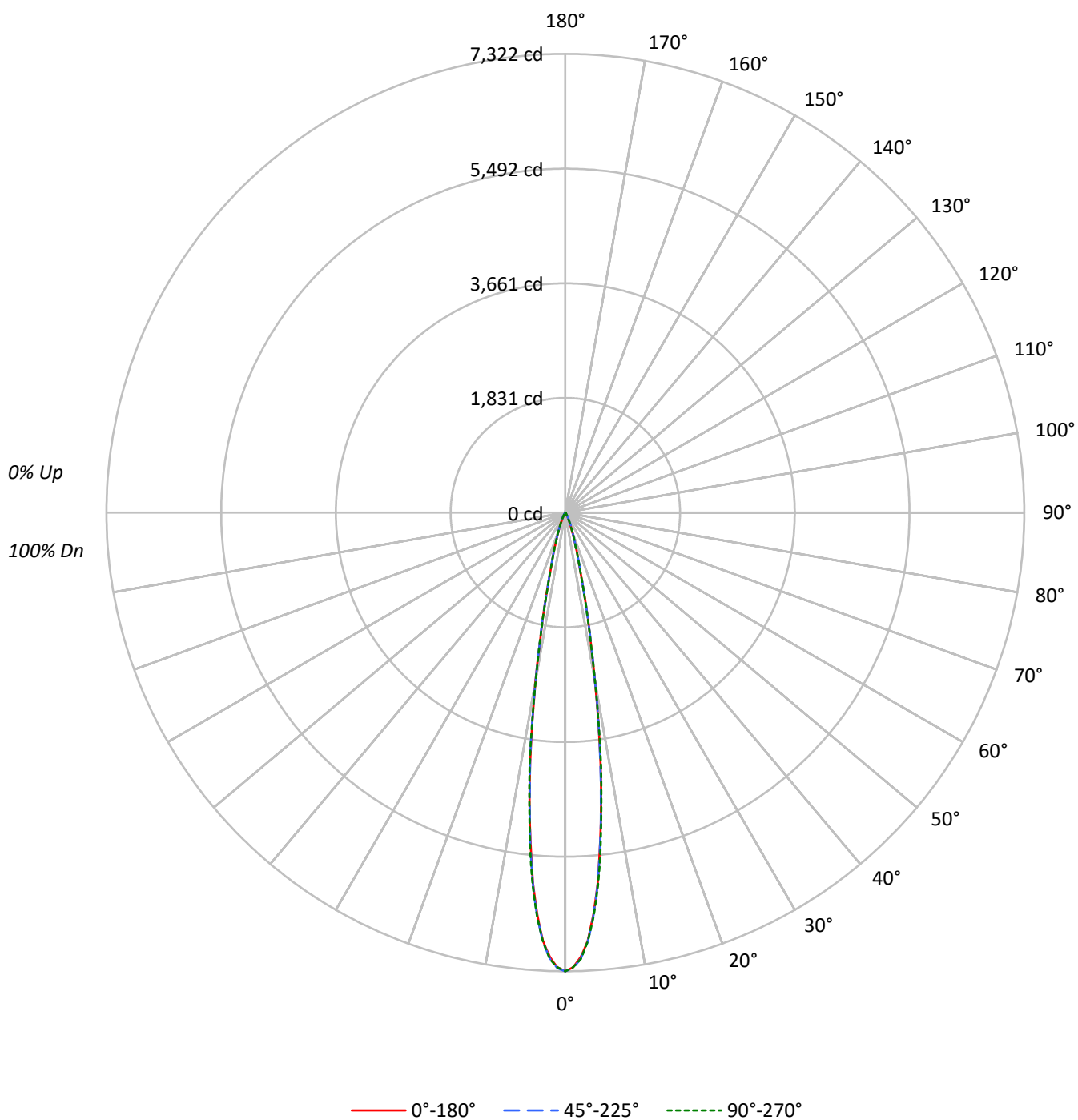
Lumens per Lamp: N/A  
Luminaire Lumens: 821.9 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1261049 | 1261049 | 1261049 |
| 5°  | 1025406 | 1028985 | 1032546 |
| 10° | 477543  | 477998  | 475410  |
| 15° | 147756  | 153051  | 150180  |
| 20° | 58905   | 62222   | 58190   |
| 25° | 24646   | 29074   | 23430   |
| 30° | 10003   | 13344   | 9247    |
| 35° | 3259    | 6097    | 2985    |
| 40° | 1169    | 2473    | 1169    |
| 45° | 463     | 779     | 463     |
| 50° | 348     | 509     | 348     |
| 55° | 390     | 390     | 390     |
| 60° | 448     | 448     | 448     |
| 65° | 245     | 245     | 245     |
| 70° | 302     | 302     | 302     |
| 75° | 399     | 399     | 399     |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 458.3  | 55.8      |
| 10°-20°   | 274.0  | 33.3      |
| 20°-30°   | 69.7   | 8.5       |
| 30°-40°   | 15.2   | 1.8       |
| 40°-50°   | 2.4    | 0.3       |
| 50°-60°   | 1.2    | 0.1       |
| 60°-70°   | 0.7    | 0.1       |
| 70°-80°   | 0.4    | 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°    | 802.1  | 97.6      |
| 0°-40°    | 817.2  | 99.4      |
| 0°-60°    | 820.9  | 99.9      |
| 0°-90°    | 821.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 821.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7322 | 7322  | 7322 | 7322  | 7322 |      |
| 5°  | 5931 | 5940  | 5952 | 5925  | 5973 | 457  |
| 15° | 829  | 852   | 858  | 846   | 842  | 273  |
| 25° | 130  | 139   | 153  | 136   | 123  | 66   |
| 35° | 16   | 20    | 29   | 19    | 14   | 12   |
| 45° | 2    | 3     | 3    | 3     | 2    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 1    | 1     | 1    | 1     | 1    | 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°    | 7322.2 | 7322.2 | 7322.2 | 7322.2 | 7322.2 |
| 1°    | 7258.3 | 7270.5 | 7272.5 | 7270.5 | 7260.2 |
| 2°    | 7095.0 | 7131.1 | 7123.4 | 7107.9 | 7129.8 |
| 3°    | 6842.6 | 6860.7 | 6858.1 | 6859.4 | 6854.2 |
| 4°    | 6432.2 | 6463.8 | 6445.7 | 6459.3 | 6460.5 |
| 5°    | 5931.3 | 5939.7 | 5952.0 | 5924.9 | 5972.6 |
| 6°    | 5314.9 | 5368.5 | 5321.4 | 5367.9 | 5386.6 |
| 7°    | 4688.3 | 4719.2 | 4659.2 | 4691.5 | 4710.8 |
| 8°    | 4047.4 | 3993.1 | 4026.1 | 4026.7 | 4090.6 |
| 9°    | 3355.5 | 3366.5 | 3394.2 | 3362.6 | 3390.3 |
| 10°   | 2730.7 | 2755.9 | 2733.3 | 2722.3 | 2718.5 |
| 11°   | 2156.3 | 2184.7 | 2182.8 | 2186.0 | 2164.7 |
| 12°   | 1734.9 | 1720.0 | 1729.7 | 1698.1 | 1712.3 |
| 13°   | 1350.2 | 1350.8 | 1343.1 | 1330.2 | 1318.6 |
| 14°   | 1057.8 | 1051.4 | 1069.4 | 1053.3 | 1038.5 |
| 15°   | 828.7  | 851.9  | 858.4  | 846.1  | 842.3  |
| 17.5° | 511.2  | 511.8  | 520.8  | 509.2  | 507.9  |
| 20°   | 321.4  | 329.2  | 339.5  | 327.2  | 317.5  |
| 22.5° | 203.3  | 210.4  | 226.5  | 211.0  | 197.5  |
| 25°   | 129.7  | 138.8  | 153.0  | 135.5  | 123.3  |
| 27.5° | 81.3   | 89.7   | 103.3  | 87.1   | 78.1   |
| 30°   | 50.3   | 56.2   | 67.1   | 54.9   | 46.5   |
| 32.5° | 29.0   | 34.9   | 43.9   | 32.9   | 27.8   |
| 35°   | 15.5   | 20.0   | 29.0   | 19.4   | 14.2   |
| 37.5° | 9.0    | 11.6   | 18.7   | 10.3   | 8.4    |
| 40°   | 5.2    | 7.1    | 11.0   | 6.5    | 5.2    |
| 42.5° | 3.2    | 4.5    | 5.2    | 3.9    | 2.6    |
| 45°   | 1.9    | 2.6    | 3.2    | 2.6    | 1.9    |
| 47.5° | 1.3    | 1.9    | 2.6    | 1.3    | 1.3    |
| 50°   | 1.3    | 1.3    | 1.9    | 1.3    | 1.3    |
| 52.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 55°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 57.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 60°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 62.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 65°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 67.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 70°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 72.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 75°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 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)