

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: P1305724

Luminaire Tested: P3SQAS09R209024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209024DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

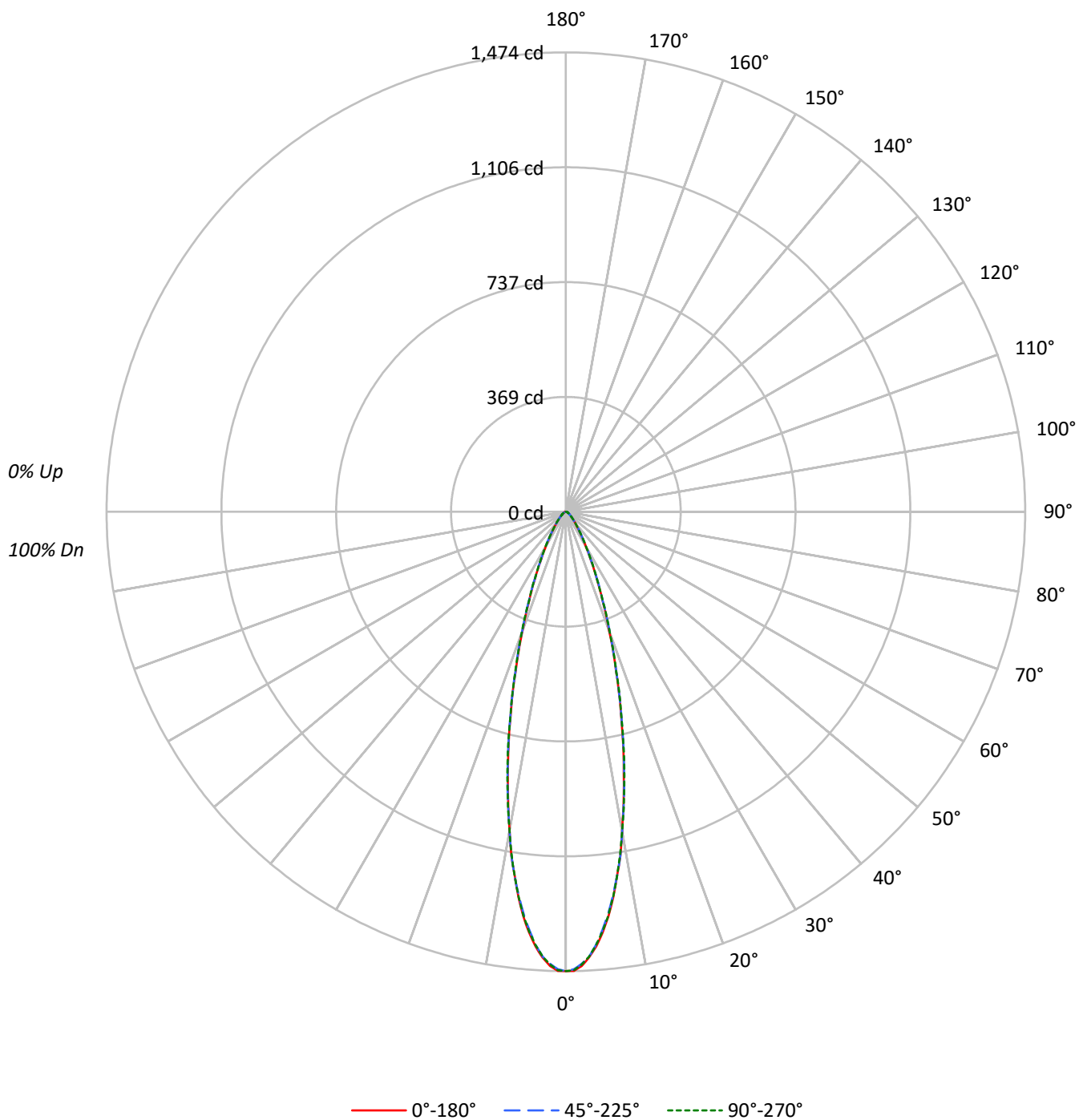
Lumens per Lamp: N/A  
Luminaire Lumens: 518.0 lumens  
Efficiency: N/A  
Efficacy: 46.7 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 253856 | 253856 | 253856 |
| 5°  | 234201 | 232853 | 233631 |
| 10° | 181735 | 181962 | 181962 |
| 15° | 122829 | 123418 | 123418 |
| 20° | 74593  | 75546  | 75894  |
| 25° | 43763  | 44371  | 44257  |
| 30° | 25534  | 26051  | 26171  |
| 35° | 15600  | 16000  | 16000  |
| 40° | 10162  | 10297  | 10432  |
| 45° | 7063   | 7234   | 7380   |
| 50° | 5198   | 5359   | 5359   |
| 55° | 4054   | 4264   | 4264   |
| 60° | 3548   | 3548   | 3789   |
| 65° | 3138   | 3138   | 3423   |
| 70° | 2921   | 2921   | 2921   |
| 75° | 2595   | 2595   | 2595   |
| 80° | 1884   | 1884   | 2579   |
| 85° | 1186   | 1186   | 2569   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7380 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 118.9  | 22.9      |
| 10°-20°   | 190.3  | 36.7      |
| 20°-30°   | 110.2  | 21.3      |
| 30°-40°   | 49.4   | 9.5       |
| 40°-50°   | 23.4   | 4.5       |
| 50°-60°   | 12.8   | 2.5       |
| 60°-70°   | 7.8    | 1.5       |
| 70°-80°   | 4.2    | 0.8       |
| 80°-90°   | 0.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 419.4  | 81.0      |
| 0°-40°    | 468.9  | 90.5      |
| 0°-60°    | 505.1  | 97.5      |
| 0°-90°    | 518.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 518.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1474 | 1474  | 1474 | 1474  | 1474 |      |
| 5°  | 1355 | 1350  | 1347 | 1350  | 1351 | 119  |
| 15° | 689  | 689   | 692  | 689   | 692  | 190  |
| 25° | 230  | 230   | 234  | 232   | 233  | 109  |
| 35° | 74   | 75    | 76   | 77    | 76   | 48   |
| 45° | 29   | 29    | 30   | 30    | 30   | 23   |
| 55° | 14   | 14    | 14   | 14    | 14   | 12   |
| 65° | 8    | 8     | 8    | 8     | 8    | 8    |
| 75° | 4    | 4     | 4    | 4     | 4    | 4    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1474.0 | 1474.0 | 1474.0 | 1474.0 | 1474.0 |
| 1°    | 1473.4 | 1469.5 | 1468.2 | 1466.9 | 1470.8 |
| 2°    | 1458.5 | 1454.0 | 1451.4 | 1452.7 | 1453.4 |
| 3°    | 1432.1 | 1429.5 | 1429.5 | 1427.6 | 1428.9 |
| 4°    | 1397.9 | 1392.7 | 1392.7 | 1393.4 | 1393.4 |
| 5°    | 1354.7 | 1350.2 | 1346.9 | 1349.5 | 1351.4 |
| 6°    | 1306.3 | 1300.5 | 1297.9 | 1298.5 | 1303.1 |
| 7°    | 1246.9 | 1239.2 | 1240.5 | 1243.7 | 1243.7 |
| 8°    | 1179.8 | 1179.2 | 1180.5 | 1179.2 | 1180.5 |
| 9°    | 1117.9 | 1108.9 | 1116.6 | 1110.2 | 1113.4 |
| 10°   | 1039.2 | 1038.6 | 1040.5 | 1042.4 | 1040.5 |
| 12.5° | 859.9  | 863.1  | 864.4  | 861.8  | 867.6  |
| 15°   | 688.9  | 688.9  | 692.2  | 688.9  | 692.2  |
| 17.5° | 536.1  | 535.4  | 538.0  | 535.4  | 539.3  |
| 20°   | 407.0  | 411.6  | 412.2  | 412.2  | 414.1  |
| 22.5° | 307.1  | 307.1  | 309.6  | 310.3  | 309.0  |
| 25°   | 230.3  | 230.3  | 233.5  | 231.6  | 232.9  |
| 27.5° | 170.3  | 171.6  | 174.2  | 175.5  | 175.5  |
| 30°   | 128.4  | 129.0  | 131.0  | 131.6  | 131.6  |
| 32.5° | 96.8   | 98.1   | 99.3   | 100.0  | 100.6  |
| 35°   | 74.2   | 74.8   | 76.1   | 76.8   | 76.1   |
| 37.5° | 56.8   | 57.4   | 58.7   | 59.3   | 59.3   |
| 40°   | 45.2   | 45.2   | 45.8   | 46.4   | 46.4   |
| 42.5° | 35.5   | 36.1   | 36.1   | 36.8   | 36.8   |
| 45°   | 29.0   | 29.0   | 29.7   | 29.7   | 30.3   |
| 47.5° | 23.2   | 23.2   | 23.9   | 24.5   | 24.5   |
| 50°   | 19.4   | 19.4   | 20.0   | 20.0   | 20.0   |
| 52.5° | 16.1   | 16.1   | 16.8   | 16.8   | 16.8   |
| 55°   | 13.5   | 13.5   | 14.2   | 14.2   | 14.2   |
| 57.5° | 11.6   | 11.6   | 12.3   | 12.3   | 12.3   |
| 60°   | 10.3   | 10.3   | 10.3   | 10.3   | 11.0   |
| 62.5° | 9.0    | 9.0    | 9.0    | 9.0    | 9.0    |
| 65°   | 7.7    | 7.7    | 7.7    | 7.7    | 8.4    |
| 67.5° | 6.5    | 6.5    | 6.5    | 6.5    | 7.1    |
| 70°   | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    |
| 72.5° | 4.5    | 4.5    | 4.5    | 5.2    | 5.2    |
| 75°   | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    |
| 77.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 80°   | 1.9    | 1.9    | 1.9    | 2.6    | 2.6    |
| 82.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)