

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: P1311772

Luminaire Tested: P3SQAS24R309050D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R309050D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

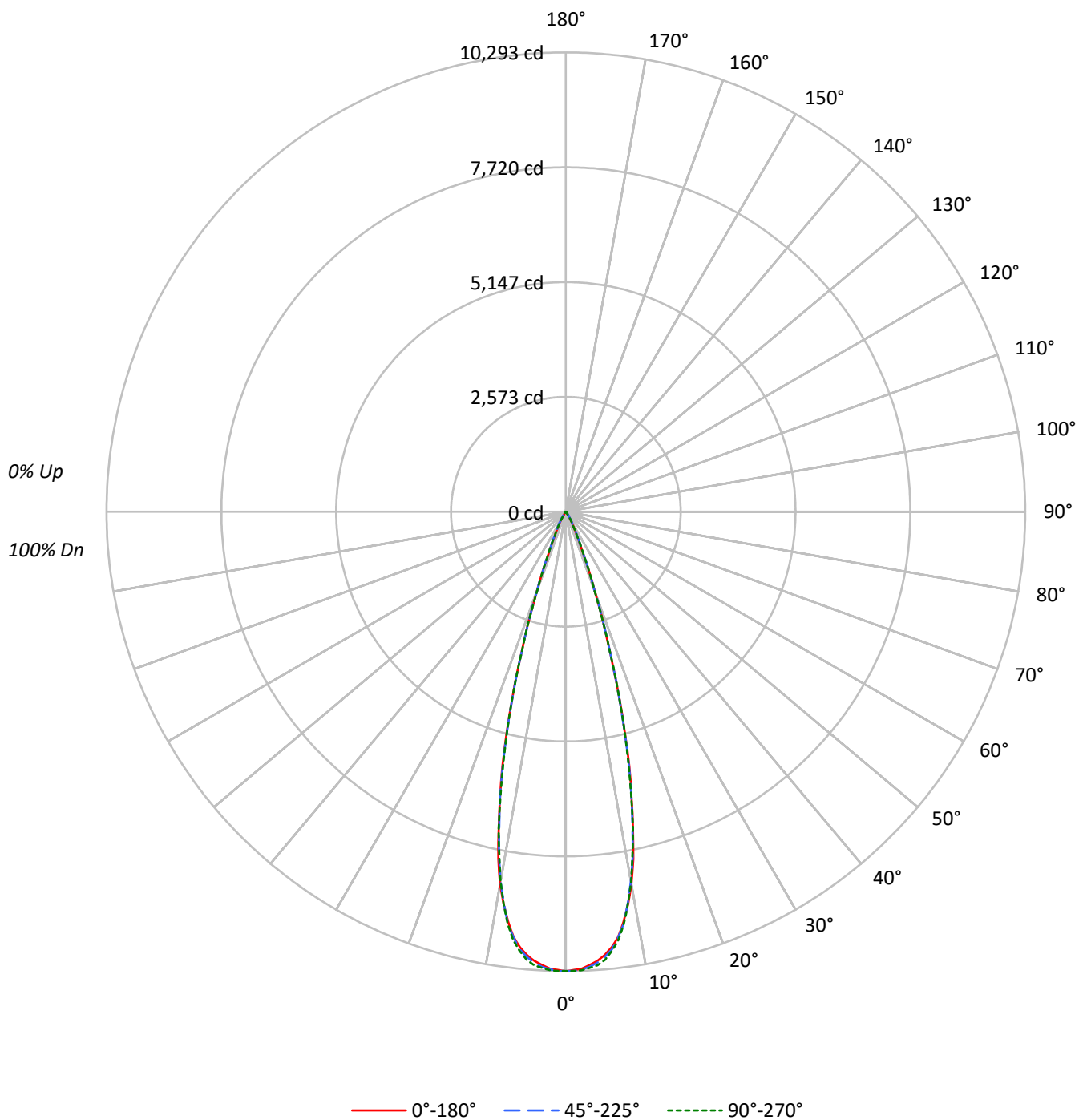
Lumens per Lamp: N/A  
Luminaire Lumens: 2677.0 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 104 | 101 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 95  |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 93  | 90  | 88  |  | 92  | 89  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 85  | 91  | 87  | 85  |  | 90  | 87  | 84  |  | 88  |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 8   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 77  |  | 82  |
| 10  | 89  | 82  | 78  | 76  | 88  | 82  | 78  | 76  | 81  | 78  | 76  |  | 81  | 78  | 75  |  | 80  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1772688 | 1772688 | 1772688 |
| 5°  | 1724120 | 1731623 | 1742324 |
| 10° | 1482576 | 1469932 | 1471383 |
| 15° | 910978  | 903614  | 904363  |
| 20° | 346702  | 347472  | 341039  |
| 25° | 110272  | 116163  | 110672  |
| 30° | 44347   | 55026   | 45580   |
| 35° | 14339   | 24325   | 14339   |
| 40° | 6497    | 10679   | 6497    |
| 45° | 2509    | 4530    | 2509    |
| 50° | 1099    | 2224    | 1099    |
| 55° | 1231    | 1231    | 1231    |
| 60° | 1412    | 1412    | 1412    |
| 65° | 856     | 856     | 856     |
| 70° | 1057    | 1057    | 1057    |
| 75° | 1397    | 1397    | 1397    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4530 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 907.9  | 33.9      |
| 10°-20°   | 1346.9 | 50.3      |
| 20°-30°   | 334.6  | 12.5      |
| 30°-40°   | 66.8   | 2.5       |
| 40°-50°   | 12.2   | 0.5       |
| 50°-60°   | 3.8    | 0.1       |
| 60°-70°   | 2.8    | 0.1       |
| 70°-80°   | 1.9    | 0.1       |
| 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°    | 2589.5 | 96.7      |
| 0°-40°    | 2656.3 | 99.2      |
| 0°-60°    | 2672.2 | 99.8      |
| 0°-90°    | 2677.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2677.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10293 | 10293 | 10293 | 10293 | 10293 |      |
| 5°  | 9973  | 10006 | 10016 | 10031 | 10078 | 907  |
| 15° | 5109  | 5120  | 5068  | 5085  | 5072  | 1352 |
| 25° | 580   | 593   | 611   | 603   | 582   | 325  |
| 35° | 68    | 89    | 116   | 87    | 68    | 55   |
| 45° | 10    | 12    | 19    | 14    | 10    | 9    |
| 55° | 4     | 4     | 4     | 4     | 4     | 4    |
| 65° | 2     | 2     | 2     | 2     | 2     | 3    |
| 75° | 2     | 2     | 2     | 2     | 2     | 2    |
| 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°    | 10293.0 | 10293.0 | 10293.0 | 10293.0 | 10293.0 |
| 1°    | 10270.3 | 10282.7 | 10291.0 | 10291.0 | 10291.0 |
| 2°    | 10241.4 | 10249.7 | 10262.0 | 10264.1 | 10280.6 |
| 3°    | 10173.2 | 10191.8 | 10212.5 | 10224.9 | 10233.1 |
| 4°    | 10090.6 | 10115.4 | 10127.8 | 10158.8 | 10185.6 |
| 5°    | 9972.9  | 10006.0 | 10016.3 | 10030.7 | 10078.2 |
| 6°    | 9813.9  | 9838.7  | 9859.3  | 9865.5  | 9894.4  |
| 7°    | 9603.2  | 9615.6  | 9611.5  | 9621.8  | 9673.5  |
| 8°    | 9283.1  | 9287.3  | 9322.4  | 9299.7  | 9334.8  |
| 9°    | 8903.1  | 8886.6  | 8878.4  | 8894.9  | 8896.9  |
| 10°   | 8477.7  | 8421.9  | 8405.4  | 8391.0  | 8413.7  |
| 11°   | 7926.3  | 7854.0  | 7860.2  | 7856.1  | 7823.0  |
| 12°   | 7240.6  | 7232.4  | 7178.7  | 7189.0  | 7238.6  |
| 13°   | 6540.5  | 6555.0  | 6544.7  | 6557.1  | 6501.3  |
| 14°   | 5883.8  | 5813.6  | 5832.2  | 5761.9  | 5788.8  |
| 15°   | 5109.3  | 5119.7  | 5068.0  | 5084.6  | 5072.2  |
| 17.5° | 3271.3  | 3294.0  | 3277.5  | 3263.0  | 3285.8  |
| 20°   | 1891.7  | 1889.7  | 1895.9  | 1877.3  | 1860.8  |
| 22.5° | 995.4   | 1009.9  | 1028.5  | 1030.5  | 1042.9  |
| 25°   | 580.3   | 592.7   | 611.3   | 603.0   | 582.4   |
| 27.5° | 355.2   | 377.9   | 406.8   | 386.2   | 361.4   |
| 30°   | 223.0   | 241.6   | 276.7   | 243.7   | 229.2   |
| 32.5° | 126.0   | 152.8   | 181.7   | 152.8   | 126.0   |
| 35°   | 68.2    | 88.8    | 115.7   | 86.7    | 68.2    |
| 37.5° | 45.4    | 51.6    | 76.4    | 51.6    | 45.4    |
| 40°   | 28.9    | 35.1    | 47.5    | 35.1    | 28.9    |
| 42.5° | 16.5    | 22.7    | 26.8    | 22.7    | 16.5    |
| 45°   | 10.3    | 12.4    | 18.6    | 14.5    | 10.3    |
| 47.5° | 4.1     | 6.2     | 12.4    | 6.2     | 6.2     |
| 50°   | 4.1     | 4.1     | 8.3     | 4.1     | 4.1     |
| 52.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 55°   | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 57.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 60°   | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 62.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 65°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 67.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 70°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 72.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 75°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 77.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 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)