

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: P1310711

Luminaire Tested: P3SQAS24R359040D010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R359040D010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

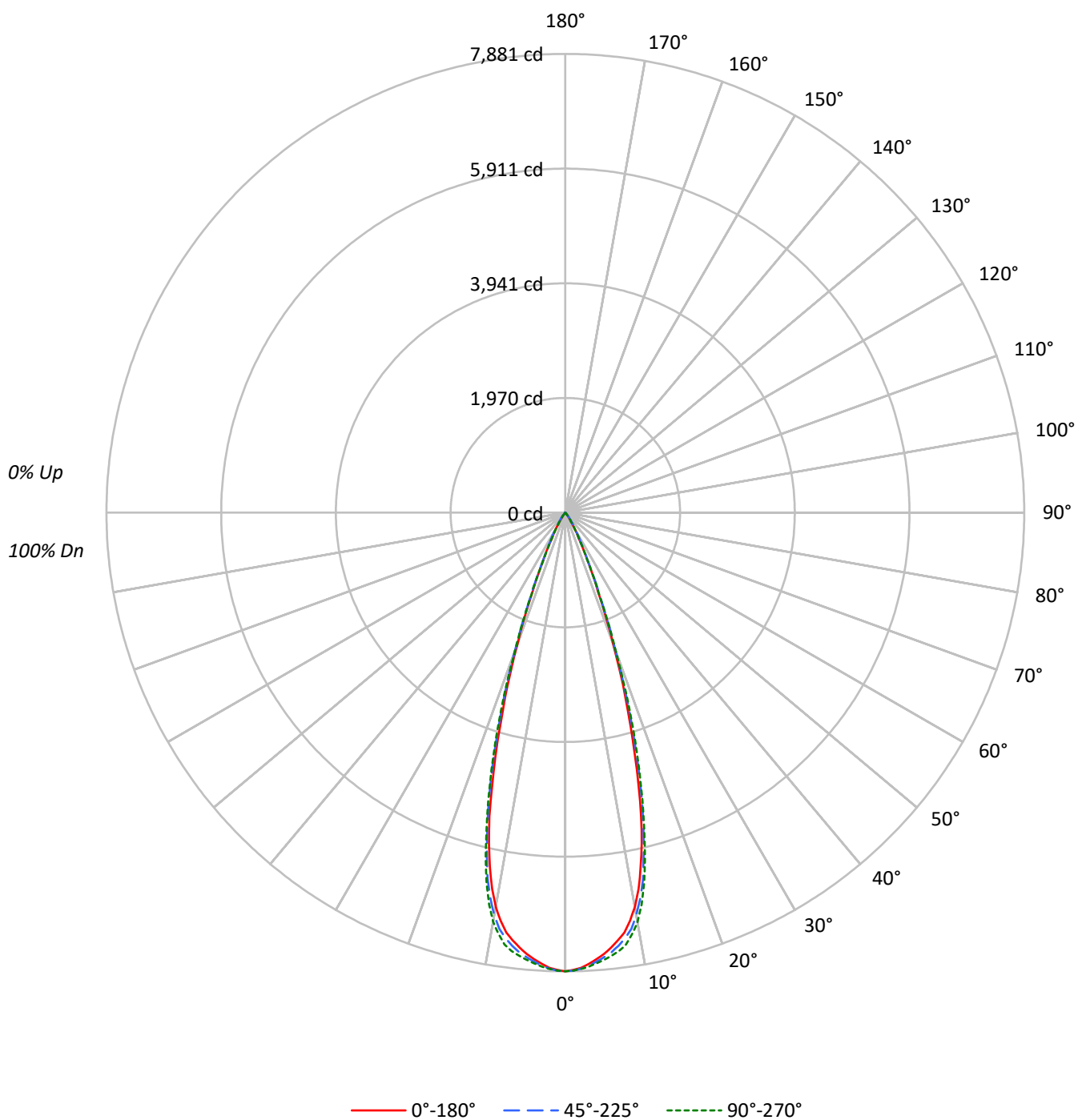
Lumens per Lamp: N/A  
Luminaire Lumens: 2624.0 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 107 | 107 | 105 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 94  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 88  |  | 92  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  |  | 85  | 82  | 79  |  | 84  |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 81  |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1357287 | 1357287 | 1357287 |
| 5°  | 1316122 | 1325458 | 1332649 |
| 10° | 1202681 | 1228126 | 1249199 |
| 15° | 864888  | 902687  | 910104  |
| 20° | 440319  | 462422  | 463559  |
| 25° | 167052  | 170606  | 165874  |
| 30° | 64890   | 75231   | 63239   |
| 35° | 22286   | 34964   | 20982   |
| 40° | 7487    | 13557   | 7014    |
| 45° | 511     | 4555    | 511     |
| 50° | 0       | 563     | 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: 4555 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 713.4  | 27.2      |
| 10°-20°   | 1329.2 | 50.7      |
| 20°-30°   | 477.7  | 18.2      |
| 30°-40°   | 93.3   | 3.6       |
| 40°-50°   | 10.4   | 0.4       |
| 50°-60°   | 0.1    | 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°    | 2520.3 | 96.0      |
| 0°-40°    | 2613.6 | 99.6      |
| 0°-60°    | 2624.0 | 100.0     |
| 0°-90°    | 2624.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2624.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7881 | 7881  | 7881 | 7881  | 7881 |      |
| 5°  | 7613 | 7634  | 7667 | 7702  | 7708 | 705  |
| 15° | 4851 | 4932  | 5063 | 5098  | 5104 | 1289 |
| 25° | 879  | 887   | 898  | 892   | 873  | 461  |
| 35° | 106  | 120   | 166  | 123   | 100  | 79   |
| 45° | 2    | 6     | 19   | 6     | 2    | 5    |
| 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°    | 7881.0 | 7881.0 | 7881.0 | 7881.0 | 7881.0 |
| 1°    | 7858.1 | 7868.5 | 7870.6 | 7885.2 | 7868.5 |
| 2°    | 7824.9 | 7831.1 | 7839.4 | 7851.9 | 7843.6 |
| 3°    | 7760.5 | 7772.9 | 7791.6 | 7808.3 | 7808.3 |
| 4°    | 7691.9 | 7708.5 | 7731.4 | 7760.5 | 7758.4 |
| 5°    | 7612.9 | 7633.7 | 7666.9 | 7702.3 | 7708.5 |
| 6°    | 7513.1 | 7538.1 | 7592.1 | 7642.0 | 7650.3 |
| 7°    | 7407.1 | 7444.6 | 7496.5 | 7569.3 | 7588.0 |
| 8°    | 7282.4 | 7311.5 | 7386.4 | 7471.6 | 7492.4 |
| 9°    | 7099.6 | 7143.2 | 7238.8 | 7317.8 | 7330.2 |
| 10°   | 6877.2 | 6908.3 | 7022.7 | 7105.8 | 7143.2 |
| 11°   | 6590.4 | 6636.1 | 6748.3 | 6833.5 | 6858.5 |
| 12°   | 6224.6 | 6291.1 | 6422.0 | 6484.4 | 6505.2 |
| 13°   | 5829.7 | 5885.8 | 5987.6 | 6064.5 | 6081.2 |
| 14°   | 5384.9 | 5439.0 | 5545.0 | 5607.3 | 5592.8 |
| 15°   | 4850.8 | 4931.9 | 5062.8 | 5098.1 | 5104.4 |
| 17.5° | 3583.0 | 3635.0 | 3751.4 | 3807.5 | 3847.0 |
| 20°   | 2402.5 | 2452.4 | 2523.1 | 2560.5 | 2529.3 |
| 22.5° | 1461.1 | 1502.6 | 1540.0 | 1538.0 | 1527.6 |
| 25°   | 879.1  | 887.4  | 897.8  | 891.6  | 872.9  |
| 27.5° | 513.3  | 536.2  | 567.4  | 546.6  | 515.4  |
| 30°   | 326.3  | 345.0  | 378.3  | 342.9  | 318.0  |
| 32.5° | 172.5  | 218.2  | 253.6  | 205.8  | 180.8  |
| 35°   | 106.0  | 120.5  | 166.3  | 122.6  | 99.8   |
| 37.5° | 64.4   | 74.8   | 103.9  | 72.7   | 58.2   |
| 40°   | 33.3   | 47.8   | 60.3   | 43.6   | 31.2   |
| 42.5° | 10.4   | 22.9   | 33.3   | 20.8   | 10.4   |
| 45°   | 2.1    | 6.2    | 18.7   | 6.2    | 2.1    |
| 47.5° | 0.0    | 0.0    | 8.3    | 2.1    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.1    | 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)