

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: P1308520

Luminaire Tested: P3SQAS24R559030D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308520  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R559030D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

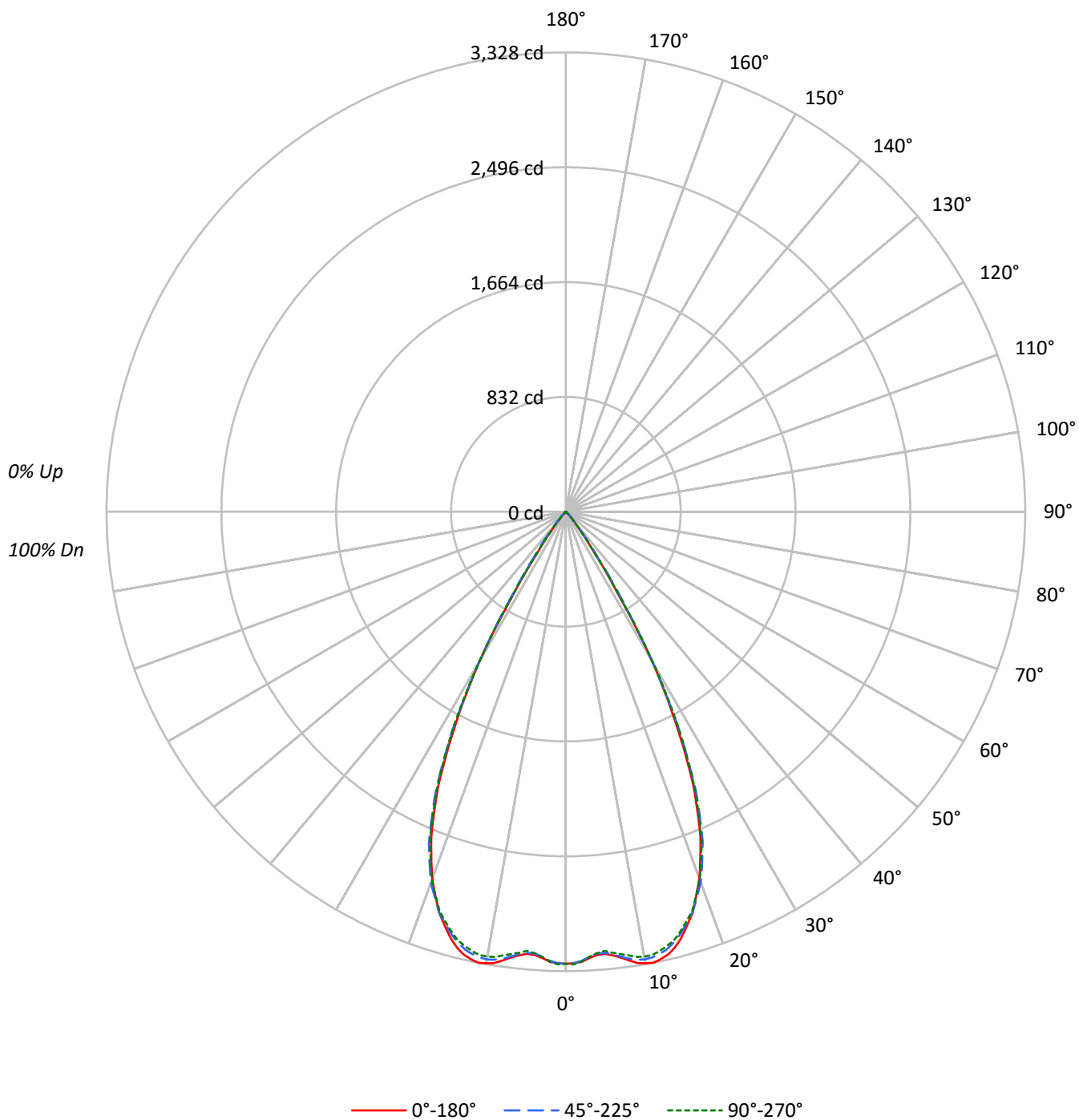
Lumens per Lamp: N/A  
Luminaire Lumens: 2510.9 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  |  | 83  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 65  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 563926 | 563926 | 563926 |
| 5°  | 555845 | 554860 | 552215 |
| 10° | 580967 | 575965 | 572293 |
| 15° | 571909 | 566792 | 564420 |
| 20° | 518578 | 523838 | 519989 |
| 25° | 414695 | 423398 | 419408 |
| 30° | 248701 | 248701 | 251724 |
| 35° | 71862  | 85107  | 74259  |
| 40° | 20594  | 27900  | 20594  |
| 45° | 4652   | 10692  | 4652   |
| 50° | 2036   | 3590   | 1527   |
| 55° | 1711   | 1711   | 1711   |
| 60° | 1963   | 1963   | 1963   |
| 65° | 1549   | 1549   | 1549   |
| 70° | 1913   | 1913   | 1913   |
| 75° | 1264   | 1264   | 1264   |
| 80° | 1884   | 1884   | 1884   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10692 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 310.4  | 12.4      |
| 10°-20°   | 884.9  | 35.2      |
| 20°-30°   | 974.9  | 38.8      |
| 30°-40°   | 298.2  | 11.9      |
| 40°-50°   | 29.5   | 1.2       |
| 50°-60°   | 5.4    | 0.2       |
| 60°-70°   | 4.3    | 0.2       |
| 70°-80°   | 2.4    | 0.1       |
| 80°-90°   | 0.8    | 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°    | 2170.3 | 86.4      |
| 0°-40°    | 2468.5 | 98.3      |
| 0°-60°    | 2503.4 | 99.7      |
| 0°-90°    | 2510.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2510.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3274 | 3274  | 3274 | 3274  | 3274 |      |
| 5°  | 3215 | 3215  | 3210 | 3200  | 3194 | 312  |
| 15° | 3208 | 3202  | 3179 | 3166  | 3166 | 889  |
| 25° | 2182 | 2203  | 2228 | 2249  | 2207 | 962  |
| 35° | 342  | 359   | 405  | 372   | 353  | 280  |
| 45° | 19   | 29    | 44   | 29    | 19   | 22   |
| 55° | 6    | 6     | 6    | 6     | 6    | 5    |
| 65° | 4    | 4     | 4    | 4     | 4    | 4    |
| 75° | 2    | 2     | 2    | 2     | 2    | 2    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3274.4 | 3274.4 | 3274.4 | 3274.4 | 3274.4 |
| 1°    | 3270.6 | 3272.5 | 3270.6 | 3266.8 | 3280.1 |
| 2°    | 3263.0 | 3261.0 | 3255.3 | 3253.4 | 3259.1 |
| 3°    | 3238.1 | 3238.1 | 3230.5 | 3226.7 | 3228.6 |
| 4°    | 3219.0 | 3219.0 | 3207.6 | 3203.8 | 3205.7 |
| 5°    | 3215.2 | 3215.2 | 3209.5 | 3199.9 | 3194.2 |
| 6°    | 3230.5 | 3234.3 | 3220.9 | 3211.4 | 3211.4 |
| 7°    | 3253.4 | 3255.3 | 3245.8 | 3232.4 | 3228.6 |
| 8°    | 3282.0 | 3284.0 | 3268.7 | 3253.4 | 3245.8 |
| 9°    | 3310.7 | 3306.9 | 3285.9 | 3270.6 | 3264.9 |
| 10°   | 3322.1 | 3320.2 | 3293.5 | 3278.2 | 3272.5 |
| 11°   | 3327.9 | 3318.3 | 3287.8 | 3274.4 | 3272.5 |
| 12°   | 3314.5 | 3306.9 | 3274.4 | 3261.0 | 3255.3 |
| 13°   | 3291.6 | 3280.1 | 3253.4 | 3240.0 | 3232.4 |
| 14°   | 3255.3 | 3243.9 | 3219.0 | 3203.8 | 3205.7 |
| 15°   | 3207.6 | 3201.9 | 3178.9 | 3165.6 | 3165.6 |
| 17.5° | 3049.1 | 3052.9 | 3047.2 | 3041.5 | 3037.7 |
| 20°   | 2829.5 | 2844.8 | 2858.2 | 2850.5 | 2837.2 |
| 22.5° | 2548.9 | 2575.6 | 2590.9 | 2594.7 | 2569.9 |
| 25°   | 2182.3 | 2203.3 | 2228.1 | 2249.1 | 2207.1 |
| 27.5° | 1726.0 | 1745.1 | 1768.0 | 1781.4 | 1775.6 |
| 30°   | 1250.6 | 1252.5 | 1250.6 | 1275.4 | 1265.8 |
| 32.5° | 695.0  | 752.3  | 761.8  | 779.0  | 717.9  |
| 35°   | 341.8  | 358.9  | 404.8  | 372.3  | 353.2  |
| 37.5° | 164.2  | 175.7  | 219.6  | 179.5  | 171.8  |
| 40°   | 91.6   | 99.3   | 124.1  | 103.1  | 91.6   |
| 42.5° | 43.9   | 57.3   | 66.8   | 59.2   | 43.9   |
| 45°   | 19.1   | 28.6   | 43.9   | 28.6   | 19.1   |
| 47.5° | 7.6    | 11.5   | 26.7   | 11.5   | 7.6    |
| 50°   | 7.6    | 5.7    | 13.4   | 5.7    | 5.7    |
| 52.5° | 5.7    | 5.7    | 7.6    | 5.7    | 5.7    |
| 55°   | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 57.5° | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 60°   | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 62.5° | 3.8    | 5.7    | 5.7    | 5.7    | 3.8    |
| 65°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 67.5° | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 70°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 72.5° | 1.9    | 3.8    | 1.9    | 1.9    | 1.9    |
| 75°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 77.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 80°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 82.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 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)