

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: P1306275

Luminaire Tested: P3SQAS20R509024D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306275  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R509024D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

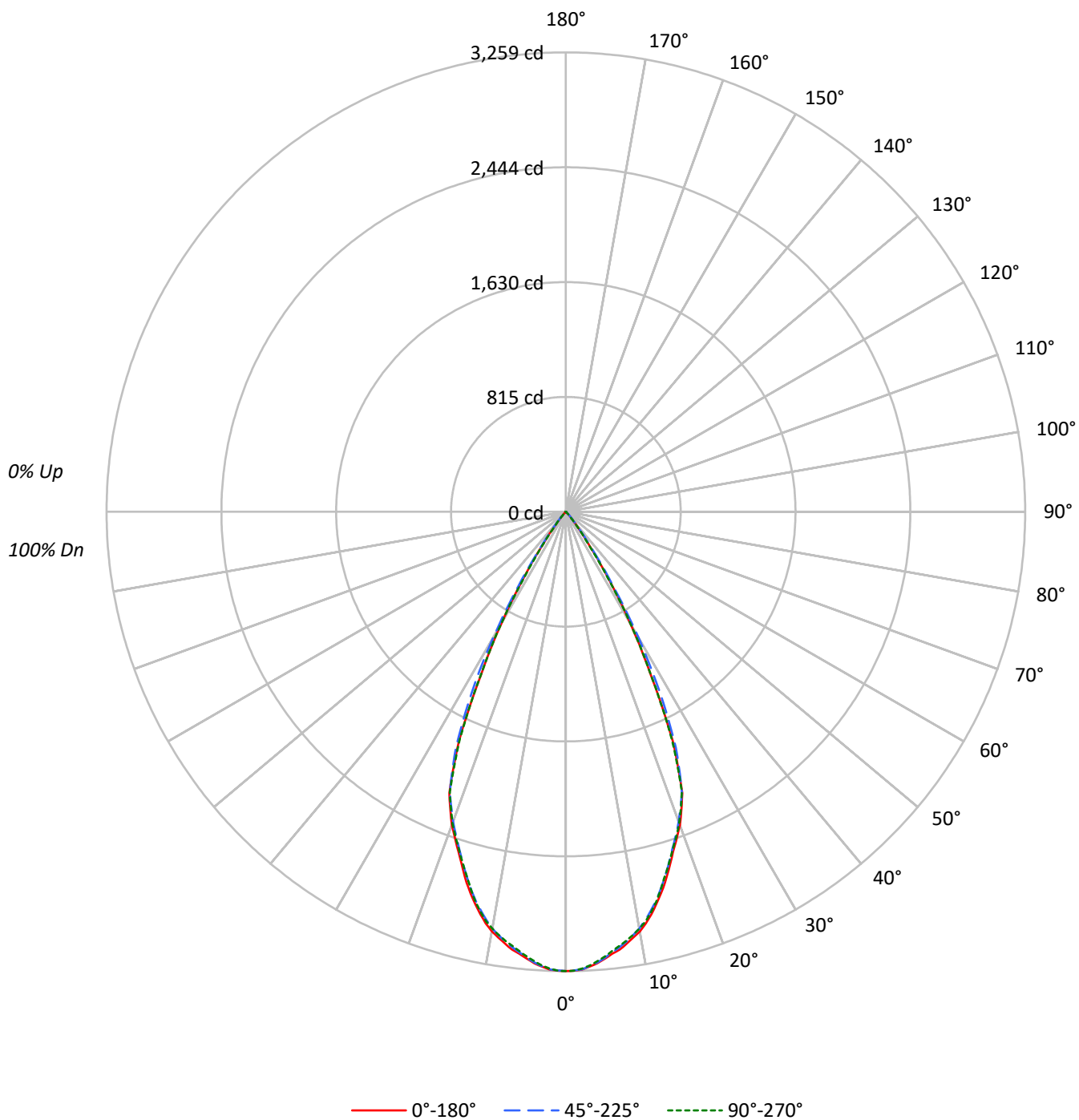
Lumens per Lamp: N/A  
Luminaire Lumens: 2100.1 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  | 97  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 93  | 91  | 90  |
| 3   | 105 | 99  | 94  | 91  | 103 | 98  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 87  |  | 90  | 88  | 86  | 85  |
| 4   | 100 | 93  | 89  | 85  | 98  | 92  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 87  | 84  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 83  | 80  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  | 76  | 73  | 72  |
| 7   | 88  | 80  | 74  | 71  | 87  | 79  | 74  | 70  | 78  | 73  | 70  |  | 77  | 73  | 70  |  | 76  | 72  | 69  | 68  |
| 8   | 84  | 76  | 71  | 67  | 83  | 75  | 70  | 67  | 74  | 70  | 67  |  | 73  | 69  | 66  |  | 72  | 69  | 66  | 65  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  | 66  | 63  | 62  |
| 10  | 78  | 69  | 64  | 60  | 77  | 69  | 64  | 60  | 68  | 63  | 60  |  | 67  | 63  | 60  |  | 66  | 63  | 60  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 561205 | 561205 | 561205 |
| 5°  | 550209 | 549172 | 547634 |
| 10° | 528678 | 525023 | 525285 |
| 15° | 485327 | 480798 | 480281 |
| 20° | 433575 | 428938 | 431119 |
| 25° | 340775 | 350694 | 337943 |
| 30° | 182320 | 204255 | 182897 |
| 35° | 59541  | 69570  | 56093  |
| 40° | 14748  | 18435  | 14074  |
| 45° | 1827   | 6527   | 1827   |
| 50° | 1206   | 2009   | 1206   |
| 55° | 1351   | 1351   | 1351   |
| 60° | 1033   | 1033   | 1033   |
| 65° | 1223   | 1223   | 1223   |
| 70° | 755    | 755    | 755    |
| 75° | 998    | 998    | 998    |
| 80° | 1488   | 1488   | 1488   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6527 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 298.0  | 14.2      |
| 10°-20°   | 753.6  | 35.9      |
| 20°-30°   | 792.6  | 37.7      |
| 30°-40°   | 228.4  | 10.9      |
| 40°-50°   | 18.6   | 0.9       |
| 50°-60°   | 4.0    | 0.2       |
| 60°-70°   | 2.9    | 0.1       |
| 70°-80°   | 1.6    | 0.1       |
| 80°-90°   | 0.4    | 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°    | 1844.2 | 87.8      |
| 0°-40°    | 2072.6 | 98.7      |
| 0°-60°    | 2095.2 | 99.8      |
| 0°-90°    | 2100.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2100.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3259 | 3259  | 3259 | 3259  | 3259 |      |
| 5°  | 3183 | 3181  | 3177 | 3180  | 3168 | 299  |
| 15° | 2722 | 2704  | 2697 | 2697  | 2694 | 758  |
| 25° | 1793 | 1838  | 1846 | 1825  | 1778 | 777  |
| 35° | 283  | 294   | 331  | 283   | 267  | 219  |
| 45° | 8    | 15    | 27   | 15    | 8    | 14   |
| 55° | 4    | 4     | 4    | 4     | 4    | 4    |
| 65° | 3    | 3     | 3    | 3     | 3    | 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°    | 3258.6 | 3258.6 | 3258.6 | 3258.6 | 3258.6 |
| 1°    | 3257.1 | 3260.1 | 3254.2 | 3264.6 | 3255.6 |
| 2°    | 3249.7 | 3251.2 | 3248.2 | 3255.6 | 3243.7 |
| 3°    | 3231.8 | 3234.8 | 3228.8 | 3234.8 | 3224.3 |
| 4°    | 3210.9 | 3210.9 | 3205.0 | 3209.4 | 3196.0 |
| 5°    | 3182.6 | 3181.1 | 3176.6 | 3179.6 | 3167.7 |
| 6°    | 3152.8 | 3151.3 | 3143.8 | 3143.8 | 3134.9 |
| 7°    | 3130.4 | 3120.0 | 3114.0 | 3112.5 | 3103.6 |
| 8°    | 3094.6 | 3091.7 | 3079.7 | 3079.7 | 3073.8 |
| 9°    | 3058.9 | 3055.9 | 3042.5 | 3045.5 | 3041.0 |
| 10°   | 3023.1 | 3012.7 | 3002.2 | 3003.7 | 3003.7 |
| 11°   | 2975.4 | 2966.5 | 2951.5 | 2957.5 | 2960.5 |
| 12°   | 2918.7 | 2908.3 | 2894.9 | 2906.8 | 2905.3 |
| 13°   | 2856.1 | 2847.2 | 2836.8 | 2845.7 | 2842.7 |
| 14°   | 2790.6 | 2777.1 | 2768.2 | 2774.2 | 2771.2 |
| 15°   | 2722.0 | 2704.1 | 2696.6 | 2696.6 | 2693.7 |
| 17.5° | 2529.7 | 2519.2 | 2511.8 | 2507.3 | 2517.8 |
| 20°   | 2365.7 | 2356.8 | 2340.4 | 2344.8 | 2352.3 |
| 22.5° | 2160.0 | 2158.5 | 2149.6 | 2142.1 | 2151.0 |
| 25°   | 1793.3 | 1838.0 | 1845.5 | 1824.6 | 1778.4 |
| 27.5° | 1302.9 | 1407.2 | 1444.5 | 1395.3 | 1310.3 |
| 30°   | 916.8  | 966.0  | 1027.1 | 930.2  | 919.7  |
| 32.5° | 553.0  | 566.5  | 623.1  | 556.0  | 541.1  |
| 35°   | 283.2  | 293.7  | 330.9  | 283.2  | 266.8  |
| 37.5° | 132.7  | 138.6  | 153.5  | 132.7  | 123.7  |
| 40°   | 65.6   | 73.0   | 82.0   | 68.6   | 62.6   |
| 42.5° | 28.3   | 37.3   | 47.7   | 35.8   | 25.3   |
| 45°   | 7.5    | 14.9   | 26.8   | 14.9   | 7.5    |
| 47.5° | 4.5    | 6.0    | 14.9   | 6.0    | 4.5    |
| 50°   | 4.5    | 4.5    | 7.5    | 4.5    | 4.5    |
| 52.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 55°   | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 57.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 60°   | 3.0    | 4.5    | 3.0    | 4.5    | 3.0    |
| 62.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 65°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 67.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 70°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 72.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 75°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 77.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 80°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 82.5° | 0.0    | 1.5    | 0.0    | 1.5    | 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)