

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: P1318349

Luminaire Tested: P3SQAS20R559835D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318349  
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: P3SQAS20R559835D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

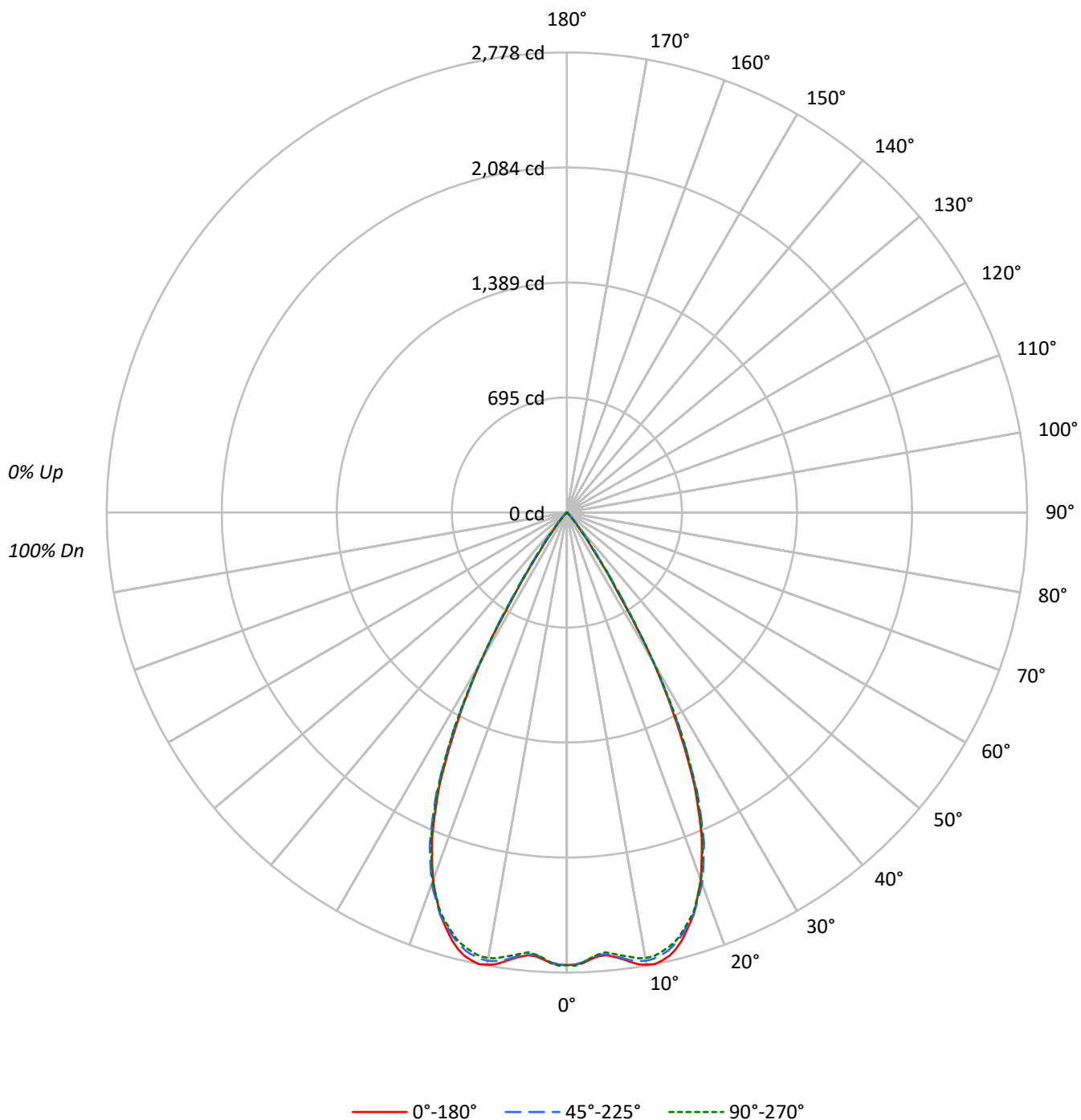
Lumens per Lamp: N/A  
Luminaire Lumens: 2096.1 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 92  | 91  | 91  | 91  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 84  | 82  | 86  | 83  | 81  | 81  | 81  | 79  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 76  | 76  | 76  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  | 79  | 76  | 73  | 78  | 75  | 72  | 72  | 72  | 71  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  | 76  | 72  | 69  | 75  | 71  | 68  | 68  | 68  | 67  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 71  | 68  | 65  | 65  | 65  | 63  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 64  | 61  | 61  | 61  | 60  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 65  | 61  | 58  | 58  | 58  | 57  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 470719 | 470719 | 470719 |
| 5°  | 463977 | 463164 | 460951 |
| 10° | 484958 | 480779 | 477701 |
| 15° | 477393 | 473132 | 471135 |
| 20° | 432878 | 437259 | 434051 |
| 25° | 346153 | 353431 | 350086 |
| 30° | 207596 | 207596 | 210121 |
| 35° | 59983  | 71042  | 61980  |
| 40° | 17199  | 23291  | 17199  |
| 45° | 3873   | 8939   | 3873   |
| 50° | 1715   | 3001   | 1286   |
| 55° | 1441   | 1441   | 1441   |
| 60° | 1653   | 1653   | 1653   |
| 65° | 1304   | 1304   | 1304   |
| 70° | 1611   | 1611   | 1611   |
| 75° | 1065   | 1065   | 1065   |
| 80° | 1587   | 1587   | 1587   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 259.1  | 12.4      |
| 10°-20°   | 738.7  | 35.2      |
| 20°-30°   | 813.8  | 38.8      |
| 30°-40°   | 248.9  | 11.9      |
| 40°-50°   | 24.6   | 1.2       |
| 50°-60°   | 4.6    | 0.2       |
| 60°-70°   | 3.7    | 0.2       |
| 70°-80°   | 2.0    | 0.1       |
| 80°-90°   | 0.7    | 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°    | 1811.6 | 86.4      |
| 0°-40°    | 2060.5 | 98.3      |
| 0°-60°    | 2089.7 | 99.7      |
| 0°-90°    | 2096.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2096.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2733 | 2733  | 2733 | 2733  | 2733 |      |
| 5°  | 2684 | 2684  | 2679 | 2671  | 2666 | 260  |
| 15° | 2678 | 2673  | 2654 | 2642  | 2642 | 742  |
| 25° | 1822 | 1839  | 1860 | 1877  | 1842 | 803  |
| 35° | 285  | 300   | 338  | 311   | 295  | 234  |
| 45° | 16   | 24    | 37   | 24    | 16   | 19   |
| 55° | 5    | 5     | 5    | 5     | 5    | 4    |
| 65° | 3    | 3     | 3    | 3     | 3    | 3    |
| 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°    | 2733.2 | 2733.2 | 2733.2 | 2733.2 | 2733.2 |
| 1°    | 2730.0 | 2731.6 | 2730.0 | 2726.9 | 2738.0 |
| 2°    | 2723.7 | 2722.1 | 2717.3 | 2715.7 | 2720.5 |
| 3°    | 2703.0 | 2703.0 | 2696.6 | 2693.4 | 2695.0 |
| 4°    | 2687.0 | 2687.0 | 2677.5 | 2674.3 | 2675.9 |
| 5°    | 2683.8 | 2683.8 | 2679.1 | 2671.1 | 2666.3 |
| 6°    | 2696.6 | 2699.8 | 2688.6 | 2680.6 | 2680.6 |
| 7°    | 2715.7 | 2717.3 | 2709.3 | 2698.2 | 2695.0 |
| 8°    | 2739.6 | 2741.2 | 2728.5 | 2715.7 | 2709.3 |
| 9°    | 2763.5 | 2760.3 | 2742.8 | 2730.0 | 2725.3 |
| 10°   | 2773.1 | 2771.5 | 2749.2 | 2736.4 | 2731.6 |
| 11°   | 2777.9 | 2769.9 | 2744.4 | 2733.2 | 2731.6 |
| 12°   | 2766.7 | 2760.3 | 2733.2 | 2722.1 | 2717.3 |
| 13°   | 2747.6 | 2738.0 | 2715.7 | 2704.6 | 2698.2 |
| 14°   | 2717.3 | 2707.7 | 2687.0 | 2674.3 | 2675.9 |
| 15°   | 2677.5 | 2672.7 | 2653.6 | 2642.4 | 2642.4 |
| 17.5° | 2545.2 | 2548.4 | 2543.6 | 2538.8 | 2535.6 |
| 20°   | 2361.9 | 2374.6 | 2385.8 | 2379.4 | 2368.3 |
| 22.5° | 2127.6 | 2149.9 | 2162.7 | 2165.9 | 2145.2 |
| 25°   | 1821.6 | 1839.2 | 1859.9 | 1877.4 | 1842.3 |
| 27.5° | 1440.7 | 1456.7 | 1475.8 | 1486.9 | 1482.2 |
| 30°   | 1043.9 | 1045.5 | 1043.9 | 1064.6 | 1056.6 |
| 32.5° | 580.1  | 627.9  | 635.9  | 650.2  | 599.2  |
| 35°   | 285.3  | 299.6  | 337.9  | 310.8  | 294.8  |
| 37.5° | 137.1  | 146.6  | 183.3  | 149.8  | 143.4  |
| 40°   | 76.5   | 82.9   | 103.6  | 86.1   | 76.5   |
| 42.5° | 36.7   | 47.8   | 55.8   | 49.4   | 36.7   |
| 45°   | 15.9   | 23.9   | 36.7   | 23.9   | 15.9   |
| 47.5° | 6.4    | 9.6    | 22.3   | 9.6    | 6.4    |
| 50°   | 6.4    | 4.8    | 11.2   | 4.8    | 4.8    |
| 52.5° | 4.8    | 4.8    | 6.4    | 4.8    | 4.8    |
| 55°   | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    |
| 57.5° | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    |
| 60°   | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    |
| 62.5° | 3.2    | 4.8    | 4.8    | 4.8    | 3.2    |
| 65°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 67.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 70°   | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 72.5° | 1.6    | 3.2    | 1.6    | 1.6    | 1.6    |
| 75°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 77.5° | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 80°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 82.5° | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 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)