

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: P1311141

Luminaire Tested: P3SQAS09R259050DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259050DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

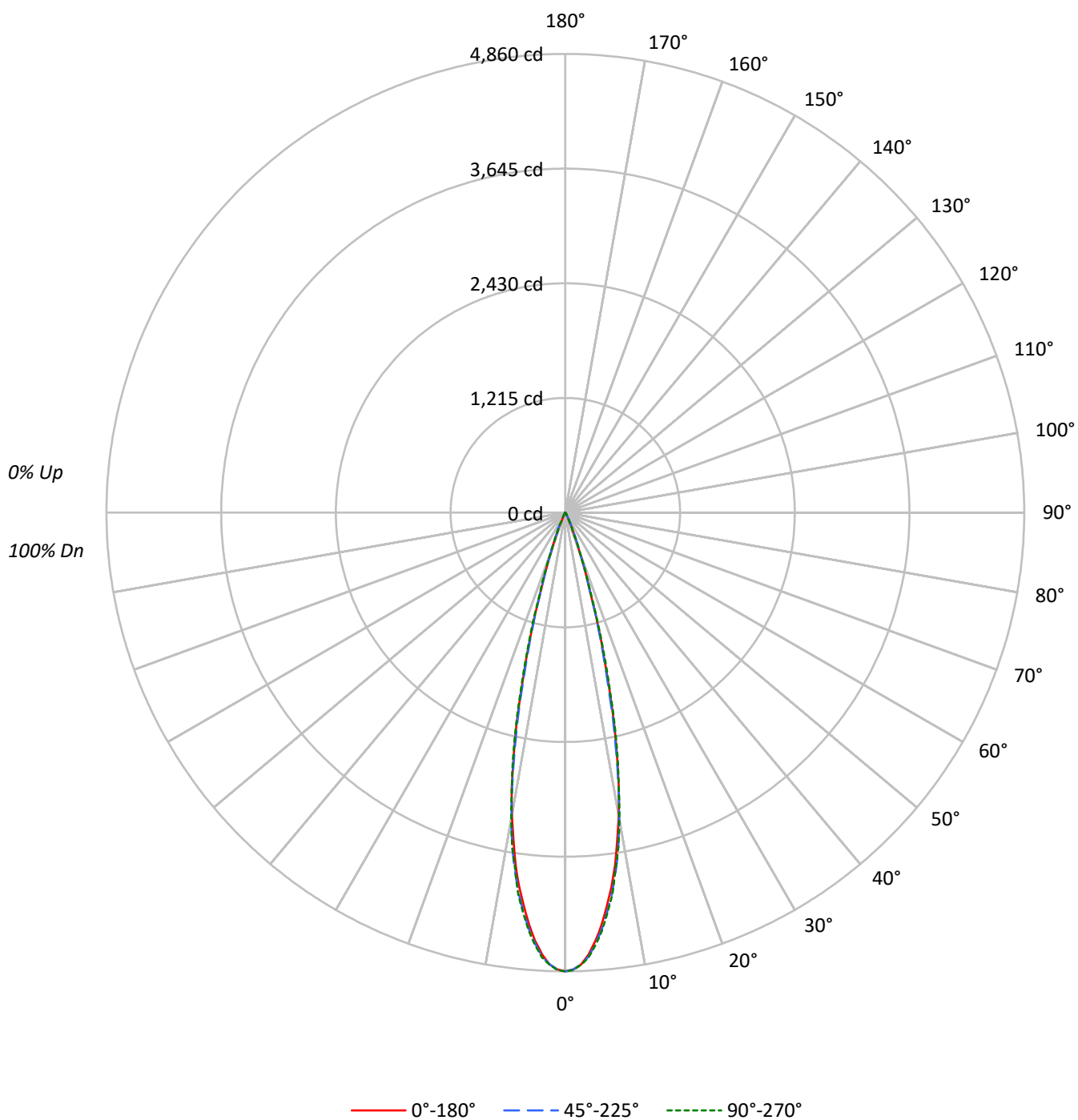
Lumens per Lamp: N/A  
Luminaire Lumens: 897.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 837071 | 837071 | 837071 |
| 5°  | 758548 | 765463 | 769197 |
| 10° | 570247 | 574304 | 576962 |
| 15° | 282353 | 273937 | 292195 |
| 20° | 79743  | 81063  | 81942  |
| 25° | 13834  | 26148  | 16418  |
| 30° | 5409   | 5568   | 5727   |
| 35° | 1682   | 1850   | 1850   |
| 40° | 540    | 719    | 540    |
| 45° | 390    | 195    | 390    |
| 50° | 214    | 0      | 214    |
| 55° | 240    | 0      | 240    |
| 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: 0°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 386.1  | 43.0      |
| 10°-20°   | 435.4  | 48.5      |
| 20°-30°   | 67.5   | 7.5       |
| 30°-40°   | 6.8    | 0.8       |
| 40°-50°   | 0.9    | 0.1       |
| 50°-60°   | 0.2    | 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°    | 889.1  | 99.1      |
| 0°-40°    | 895.9  | 99.9      |
| 0°-60°    | 897.0  | 100.0     |
| 0°-90°    | 897.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 897.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4860 | 4860  | 4860 | 4860  | 4860 |      |
| 5°  | 4388 | 4396  | 4428 | 4445  | 4449 | 382  |
| 15° | 1584 | 1572  | 1536 | 1605  | 1639 | 434  |
| 25° | 73   | 108   | 138  | 105   | 86   | 61   |
| 35° | 8    | 9     | 9    | 10    | 9    | 6    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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°    | 4860.4 | 4860.4 | 4860.4 | 4860.4 | 4860.4 |
| 1°    | 4840.4 | 4846.8 | 4839.6 | 4847.6 | 4846.8 |
| 2°    | 4790.0 | 4796.4 | 4787.6 | 4792.4 | 4792.4 |
| 3°    | 4686.9 | 4700.5 | 4708.5 | 4714.0 | 4718.8 |
| 4°    | 4550.9 | 4566.1 | 4578.1 | 4592.5 | 4592.5 |
| 5°    | 4387.7 | 4395.7 | 4427.7 | 4445.3 | 4449.3 |
| 6°    | 4193.4 | 4225.4 | 4249.4 | 4284.6 | 4263.0 |
| 7°    | 3999.0 | 4025.4 | 4059.0 | 4064.6 | 4079.8 |
| 8°    | 3778.3 | 3806.3 | 3837.5 | 3831.9 | 3819.1 |
| 9°    | 3509.5 | 3550.3 | 3587.1 | 3575.1 | 3591.1 |
| 10°   | 3260.8 | 3285.6 | 3284.0 | 3272.0 | 3299.2 |
| 11°   | 2972.1 | 2977.7 | 2946.5 | 2995.3 | 2965.7 |
| 12°   | 2629.8 | 2634.6 | 2594.6 | 2642.6 | 2672.9 |
| 13°   | 2301.8 | 2290.6 | 2235.5 | 2298.6 | 2337.0 |
| 14°   | 1924.3 | 1928.3 | 1857.9 | 1980.3 | 1970.7 |
| 15°   | 1583.6 | 1572.4 | 1536.4 | 1605.2 | 1638.8 |
| 17.5° | 843.8  | 851.0  | 842.2  | 876.6  | 898.2  |
| 20°   | 435.1  | 447.1  | 442.3  | 456.7  | 447.1  |
| 22.5° | 225.5  | 242.3  | 247.1  | 235.9  | 205.5  |
| 25°   | 72.8   | 108.0  | 137.6  | 104.8  | 86.4   |
| 27.5° | 44.0   | 43.2   | 67.2   | 46.4   | 47.2   |
| 30°   | 27.2   | 26.4   | 28.0   | 28.0   | 28.8   |
| 32.5° | 15.2   | 16.0   | 15.2   | 16.8   | 16.0   |
| 35°   | 8.0    | 8.8    | 8.8    | 9.6    | 8.8    |
| 37.5° | 4.8    | 5.6    | 5.6    | 5.6    | 4.8    |
| 40°   | 2.4    | 3.2    | 3.2    | 2.4    | 2.4    |
| 42.5° | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 45°   | 1.6    | 0.8    | 0.8    | 0.8    | 1.6    |
| 47.5° | 0.8    | 0.8    | 0.0    | 0.8    | 0.8    |
| 50°   | 0.8    | 0.8    | 0.0    | 0.8    | 0.8    |
| 52.5° | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 55°   | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 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)