

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: P1316664

Luminaire Tested: P3SQAS02R259830DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259830DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

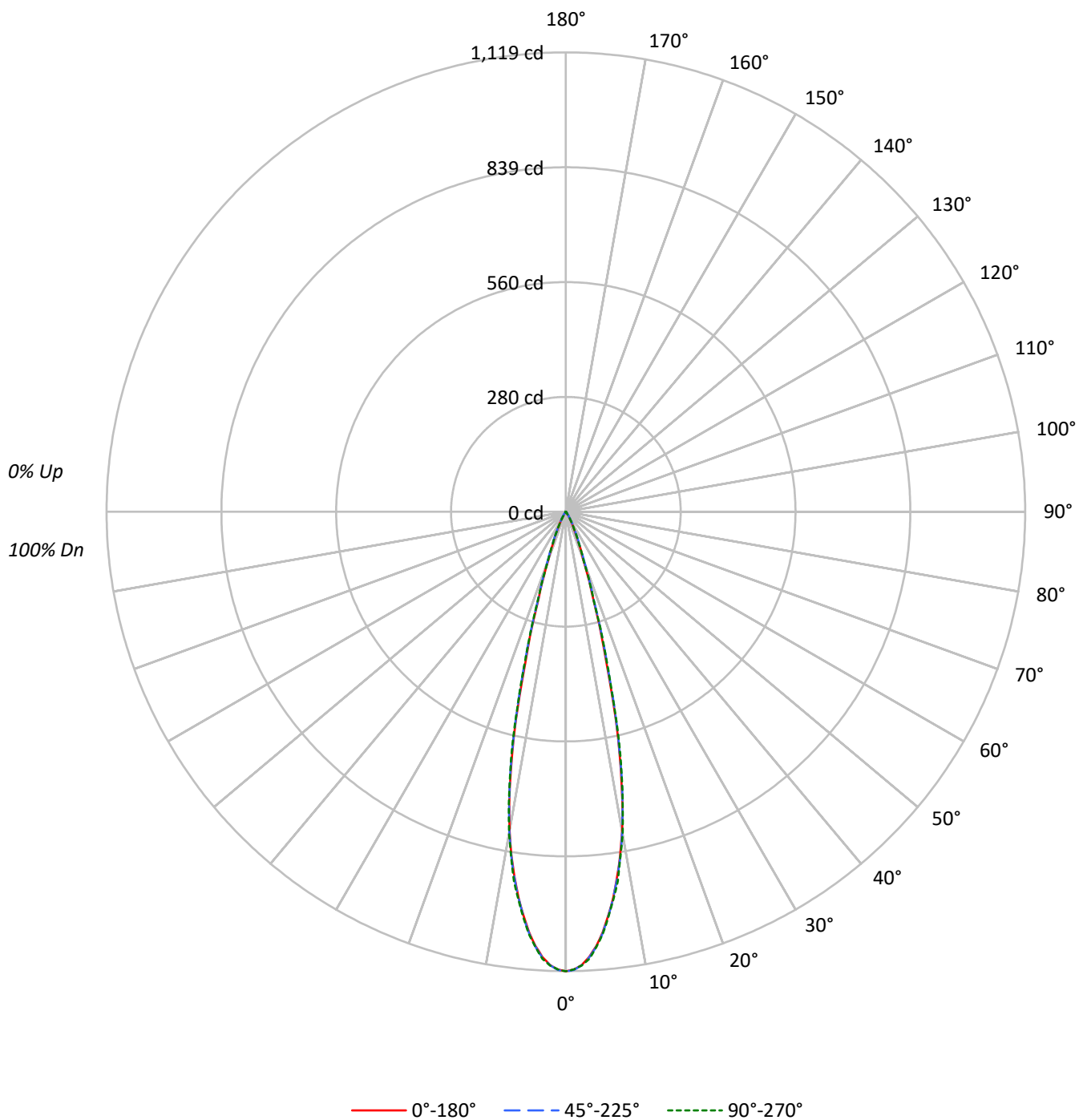
Lumens per Lamp: N/A  
Luminaire Lumens: 233.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 192786 | 192786 | 192786 |
| 5°  | 177756 | 178153 | 178534 |
| 10° | 138015 | 138522 | 139274 |
| 15° | 68199  | 71070  | 71105  |
| 20° | 22964  | 24504  | 23423  |
| 25° | 9520   | 10565  | 9786   |
| 30° | 3739   | 4693   | 3759   |
| 35° | 967    | 1913   | 1009   |
| 40° | 360    | 764    | 360    |
| 45° | 49     | 219    | 49     |
| 50° | 0      | 54     | 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: 219 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.7   | 38.9      |
| 10°-20°   | 109.7  | 47.1      |
| 20°-30°   | 26.8   | 11.5      |
| 30°-40°   | 5.2    | 2.2       |
| 40°-50°   | 0.6    | 0.3       |
| 50°-60°   | 0.0    | 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°    | 227.2  | 97.5      |
| 0°-40°    | 232.4  | 99.7      |
| 0°-60°    | 233.0  | 100.0     |
| 0°-90°    | 233.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 233.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1119 | 1119  | 1119 | 1119  | 1119 |      |
| 5°  | 1028 | 1030  | 1030 | 1035  | 1033 | 90   |
| 15° | 382  | 392   | 399  | 403   | 399  | 108  |
| 25° | 50   | 53    | 56   | 53    | 52   | 25   |
| 35° | 5    | 7     | 9    | 7     | 5    | 4    |
| 45° | 0    | 0     | 1    | 0     | 0    | 0    |
| 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°    | 1119.4 | 1119.4 | 1119.4 | 1119.4 | 1119.4 |
| 1°    | 1115.1 | 1115.8 | 1116.0 | 1117.0 | 1114.9 |
| 2°    | 1104.9 | 1105.1 | 1105.6 | 1107.8 | 1105.8 |
| 3°    | 1086.1 | 1087.4 | 1087.6 | 1090.4 | 1090.9 |
| 4°    | 1060.6 | 1061.3 | 1062.7 | 1067.5 | 1063.2 |
| 5°    | 1028.2 | 1029.6 | 1030.5 | 1035.0 | 1032.7 |
| 6°    | 988.2  | 988.5  | 990.5  | 995.7  | 992.5  |
| 7°    | 947.4  | 947.2  | 947.4  | 951.5  | 950.6  |
| 8°    | 898.2  | 897.4  | 900.2  | 905.2  | 908.6  |
| 9°    | 846.9  | 848.2  | 850.0  | 854.8  | 850.9  |
| 10°   | 789.2  | 792.6  | 792.1  | 792.4  | 796.4  |
| 11°   | 722.7  | 723.8  | 724.0  | 727.7  | 727.2  |
| 12°   | 644.6  | 644.6  | 650.5  | 656.6  | 654.6  |
| 13°   | 565.8  | 571.3  | 567.4  | 568.6  | 576.5  |
| 14°   | 473.9  | 478.2  | 483.5  | 488.5  | 484.6  |
| 15°   | 382.5  | 391.7  | 398.6  | 402.6  | 398.8  |
| 17.5° | 219.2  | 222.2  | 228.1  | 228.8  | 226.5  |
| 20°   | 125.3  | 129.1  | 133.7  | 132.3  | 127.8  |
| 22.5° | 78.8   | 79.9   | 84.6   | 82.2   | 81.2   |
| 25°   | 50.1   | 52.7   | 55.6   | 53.3   | 51.5   |
| 27.5° | 31.1   | 32.9   | 35.9   | 33.4   | 31.5   |
| 30°   | 18.8   | 20.4   | 23.6   | 20.2   | 18.9   |
| 32.5° | 9.8    | 12.2   | 14.8   | 12.3   | 9.8    |
| 35°   | 4.6    | 6.6    | 9.1    | 6.6    | 4.8    |
| 37.5° | 2.9    | 3.6    | 5.5    | 3.6    | 2.9    |
| 40°   | 1.6    | 2.3    | 3.4    | 2.3    | 1.6    |
| 42.5° | 0.7    | 1.3    | 1.6    | 1.3    | 0.9    |
| 45°   | 0.2    | 0.5    | 0.9    | 0.5    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.5    | 0.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)