

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: P1316226

Luminaire Tested: P3SQAS13R259827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316226  
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: P3SQAS13R259827DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

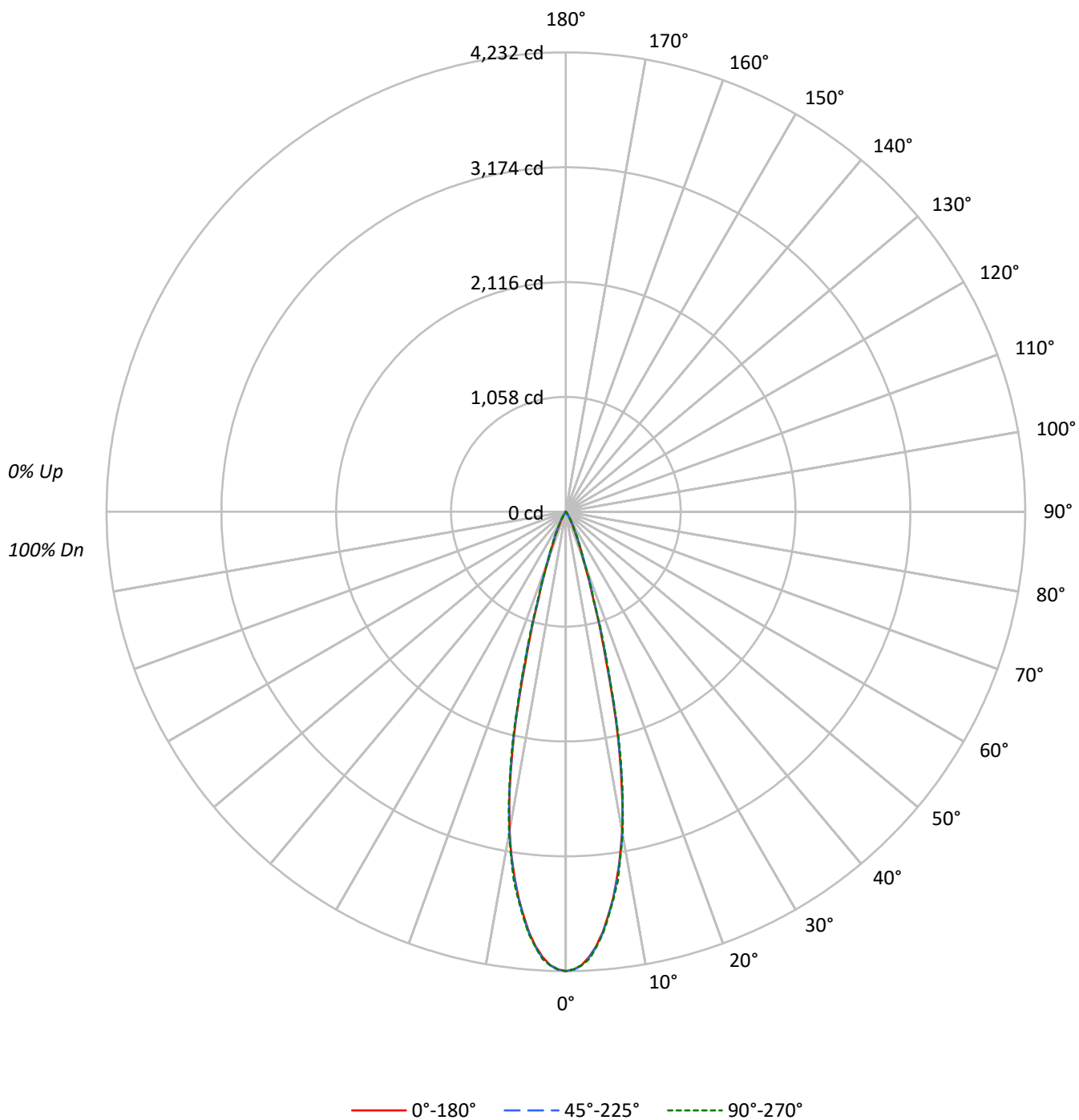
Lumens per Lamp: N/A  
Luminaire Lumens: 881.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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°  | 728932 | 728932 | 728932 |
| 5°  | 672125 | 673629 | 675047 |
| 10° | 521858 | 523746 | 526580 |
| 15° | 257890 | 268749 | 268856 |
| 20° | 86836  | 92664  | 88577  |
| 25° | 35972  | 39944  | 36998  |
| 30° | 14119  | 17739  | 14239  |
| 35° | 3700   | 7253   | 3826   |
| 40° | 1371   | 2878   | 1371   |
| 45° | 170    | 828    | 170    |
| 50° | 0      | 188    | 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: 828 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 343.0  | 38.9      |
| 10°-20°   | 414.8  | 47.1      |
| 20°-30°   | 101.3  | 11.5      |
| 30°-40°   | 19.7   | 2.2       |
| 40°-50°   | 2.2    | 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°    | 859.1  | 97.5      |
| 0°-40°    | 878.8  | 99.7      |
| 0°-60°    | 881.0  | 100.0     |
| 0°-90°    | 881.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 881.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4232 | 4232  | 4232 | 4232  | 4232 |      |
| 5°  | 3888 | 3893  | 3896 | 3913  | 3905 | 342  |
| 15° | 1446 | 1481  | 1507 | 1522  | 1508 | 407  |
| 25° | 189  | 199   | 210  | 201   | 195  | 96   |
| 35° | 18   | 25    | 34   | 25    | 18   | 16   |
| 45° | 1    | 2     | 3    | 2     | 1    | 1    |
| 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°    | 4232.5 | 4232.5 | 4232.5 | 4232.5 | 4232.5 |
| 1°    | 4216.2 | 4218.9 | 4219.6 | 4223.7 | 4215.6 |
| 2°    | 4177.7 | 4178.4 | 4180.4 | 4188.5 | 4181.1 |
| 3°    | 4106.8 | 4111.5 | 4112.2 | 4123.0 | 4125.0 |
| 4°    | 4010.1 | 4012.8 | 4018.2 | 4036.5 | 4020.2 |
| 5°    | 3887.8 | 3893.2 | 3896.5 | 3913.4 | 3904.7 |
| 6°    | 3736.4 | 3737.7 | 3745.1 | 3764.7 | 3752.6 |
| 7°    | 3582.3 | 3581.6 | 3582.3 | 3597.8 | 3594.4 |
| 8°    | 3396.4 | 3393.0 | 3403.8 | 3422.7 | 3435.6 |
| 9°    | 3202.4 | 3207.1 | 3213.9 | 3232.1 | 3217.3 |
| 10°   | 2984.1 | 2996.9 | 2994.9 | 2996.3 | 3011.1 |
| 11°   | 2732.7 | 2736.7 | 2737.4 | 2751.6 | 2749.5 |
| 12°   | 2437.3 | 2437.3 | 2459.6 | 2482.6 | 2475.1 |
| 13°   | 2139.2 | 2160.2 | 2145.3 | 2150.0 | 2179.8 |
| 14°   | 1791.8 | 1808.0 | 1828.3 | 1847.2 | 1832.4 |
| 15°   | 1446.4 | 1480.9 | 1507.3 | 1522.1 | 1507.9 |
| 17.5° | 828.6  | 840.1  | 862.4  | 865.1  | 856.4  |
| 20°   | 473.8  | 488.0  | 505.6  | 500.2  | 483.3  |
| 22.5° | 298.1  | 302.1  | 319.7  | 310.9  | 306.9  |
| 25°   | 189.3  | 199.4  | 210.2  | 201.4  | 194.7  |
| 27.5° | 117.6  | 124.4  | 135.9  | 126.4  | 119.0  |
| 30°   | 71.0   | 77.1   | 89.2   | 76.4   | 71.6   |
| 32.5° | 37.2   | 46.0   | 56.1   | 46.6   | 37.2   |
| 35°   | 17.6   | 25.0   | 34.5   | 25.0   | 18.2   |
| 37.5° | 10.8   | 13.5   | 21.0   | 13.5   | 10.8   |
| 40°   | 6.1    | 8.8    | 12.8   | 8.8    | 6.1    |
| 42.5° | 2.7    | 4.7    | 6.1    | 4.7    | 3.4    |
| 45°   | 0.7    | 2.0    | 3.4    | 2.0    | 0.7    |
| 47.5° | 0.0    | 0.0    | 2.0    | 0.7    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.7    | 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)