

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: P1311757

Luminaire Tested: P3SQAS24R259050D010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311757  
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: P3SQAS24R259050D010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

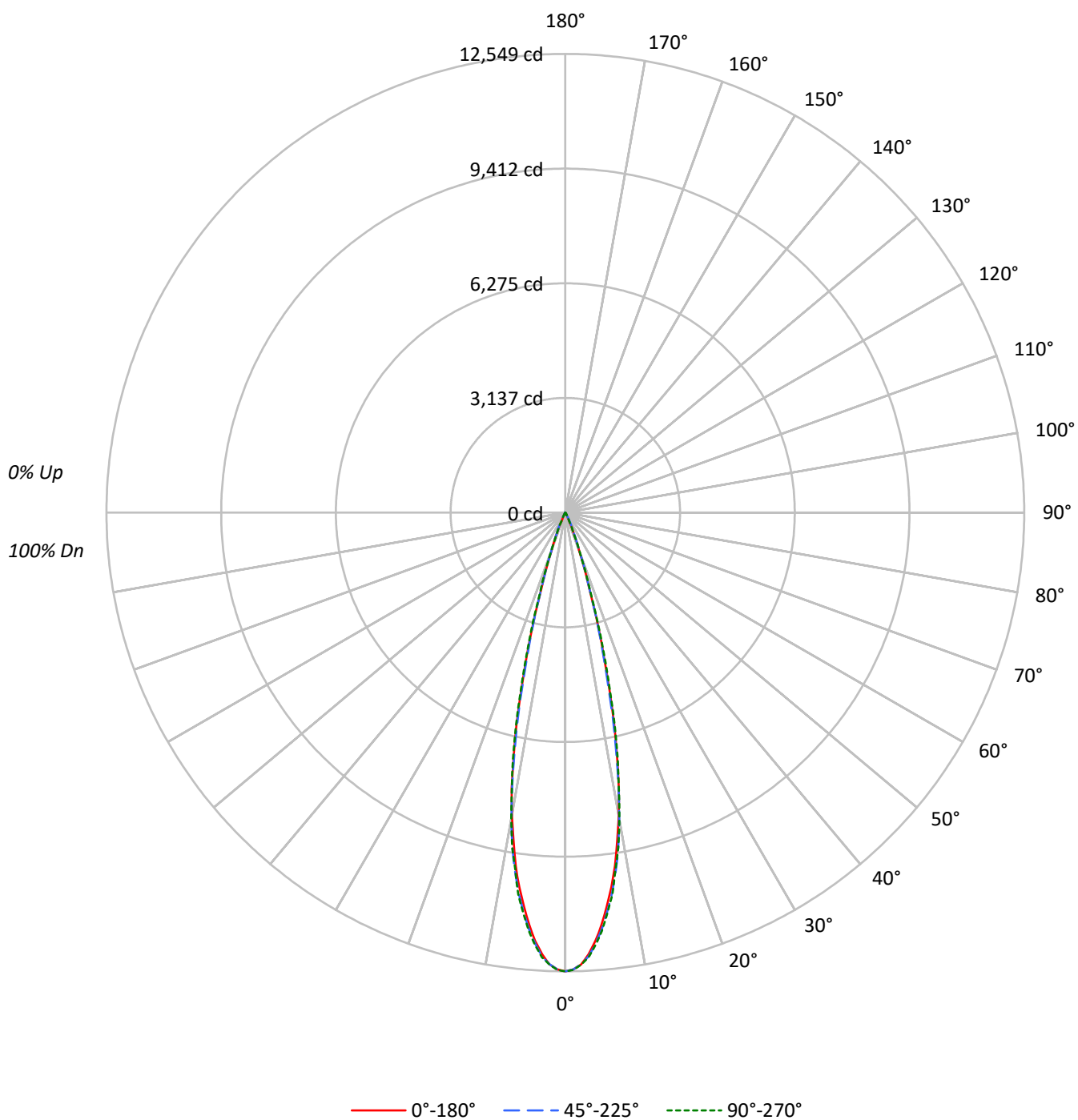
Lumens per Lamp: N/A  
Luminaire Lumens: 2316.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 | 100 | 99  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  | 97  | 96  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  | 95  | 94  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  | 93  | 92  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  | 91  | 89  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  | 87  | 86  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  | 85  | 84  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  | 84  | 82  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  | 82  | 80  | 80  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2161274 | 2161274 | 2161274 |
| 5°  | 1958546 | 1976387 | 1986034 |
| 10° | 1472345 | 1482820 | 1489676 |
| 15° | 729025  | 707308  | 754432  |
| 20° | 205892  | 209301  | 211573  |
| 25° | 35706   | 67497   | 42376   |
| 30° | 13960   | 14378   | 14776   |
| 35° | 4352    | 4773    | 4773    |
| 40° | 1394    | 1866    | 1394    |
| 45° | 999     | 511     | 999     |
| 50° | 563     | 0       | 563     |
| 55° | 631     | 0       | 631     |
| 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: 999 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 996.9  | 43.0      |
| 10°-20°   | 1124.3 | 48.5      |
| 20°-30°   | 174.4  | 7.5       |
| 30°-40°   | 17.7   | 0.8       |
| 40°-50°   | 2.4    | 0.1       |
| 50°-60°   | 0.4    | 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       |
| 0°-30°    | 2295.6 | 99.1      |
| 0°-40°    | 2313.2 | 99.9      |
| 0°-60°    | 2316.0 | 100.0     |
| 0°-90°    | 2316.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2316.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 12549 | 12549 | 12549 | 12549 | 12549 |      |
| 5°  | 11329 | 11350 | 11432 | 11478 | 11488 | 987  |
| 15° | 4089  | 4060  | 3967  | 4145  | 4231  | 1120 |
| 25° | 188   | 279   | 355   | 270   | 223   | 158  |
| 35° | 21    | 23    | 23    | 25    | 23    | 17   |
| 45° | 4     | 2     | 2     | 2     | 4     | 3    |
| 55° | 2     | 0     | 0     | 0     | 2     | 1    |
| 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°    | 12549.3 | 12549.3 | 12549.3 | 12549.3 | 12549.3 |
| 1°    | 12497.7 | 12514.2 | 12495.6 | 12516.3 | 12514.2 |
| 2°    | 12367.6 | 12384.1 | 12361.4 | 12373.8 | 12373.8 |
| 3°    | 12101.2 | 12136.3 | 12156.9 | 12171.4 | 12183.8 |
| 4°    | 11750.1 | 11789.4 | 11820.3 | 11857.5 | 11857.5 |
| 5°    | 11328.9 | 11349.5 | 11432.1 | 11477.5 | 11487.9 |
| 6°    | 10827.0 | 10909.6 | 10971.6 | 11062.5 | 11006.7 |
| 7°    | 10325.2 | 10393.4 | 10480.1 | 10494.6 | 10533.8 |
| 8°    | 9755.3  | 9827.6  | 9908.1  | 9893.6  | 9860.6  |
| 9°    | 9061.4  | 9166.7  | 9261.7  | 9230.8  | 9272.1  |
| 10°   | 8419.2  | 8483.2  | 8479.1  | 8448.1  | 8518.3  |
| 11°   | 7673.7  | 7688.2  | 7607.6  | 7733.6  | 7657.2  |
| 12°   | 6789.9  | 6802.3  | 6699.0  | 6822.9  | 6901.4  |
| 13°   | 5943.2  | 5914.3  | 5771.8  | 5934.9  | 6034.1  |
| 14°   | 4968.5  | 4978.8  | 4797.1  | 5113.1  | 5088.3  |
| 15°   | 4088.8  | 4059.9  | 3967.0  | 4144.6  | 4231.3  |
| 17.5° | 2178.6  | 2197.2  | 2174.5  | 2263.3  | 2319.0  |
| 20°   | 1123.4  | 1154.4  | 1142.0  | 1179.1  | 1154.4  |
| 22.5° | 582.3   | 625.7   | 638.1   | 609.2   | 530.7   |
| 25°   | 187.9   | 278.8   | 355.2   | 270.5   | 223.0   |
| 27.5° | 113.6   | 111.5   | 173.5   | 119.8   | 121.8   |
| 30°   | 70.2    | 68.1    | 72.3    | 72.3    | 74.3    |
| 32.5° | 39.2    | 41.3    | 39.2    | 43.4    | 41.3    |
| 35°   | 20.7    | 22.7    | 22.7    | 24.8    | 22.7    |
| 37.5° | 12.4    | 14.5    | 14.5    | 14.5    | 12.4    |
| 40°   | 6.2     | 8.3     | 8.3     | 6.2     | 6.2     |
| 42.5° | 4.1     | 4.1     | 4.1     | 4.1     | 4.1     |
| 45°   | 4.1     | 2.1     | 2.1     | 2.1     | 4.1     |
| 47.5° | 2.1     | 2.1     | 0.0     | 2.1     | 2.1     |
| 50°   | 2.1     | 2.1     | 0.0     | 2.1     | 2.1     |
| 52.5° | 2.1     | 0.0     | 0.0     | 0.0     | 2.1     |
| 55°   | 2.1     | 0.0     | 0.0     | 0.0     | 2.1     |
| 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)