

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: P1307322

Luminaire Tested: P3SQAS24R259027D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307322  
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: P3SQAS24R259027D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

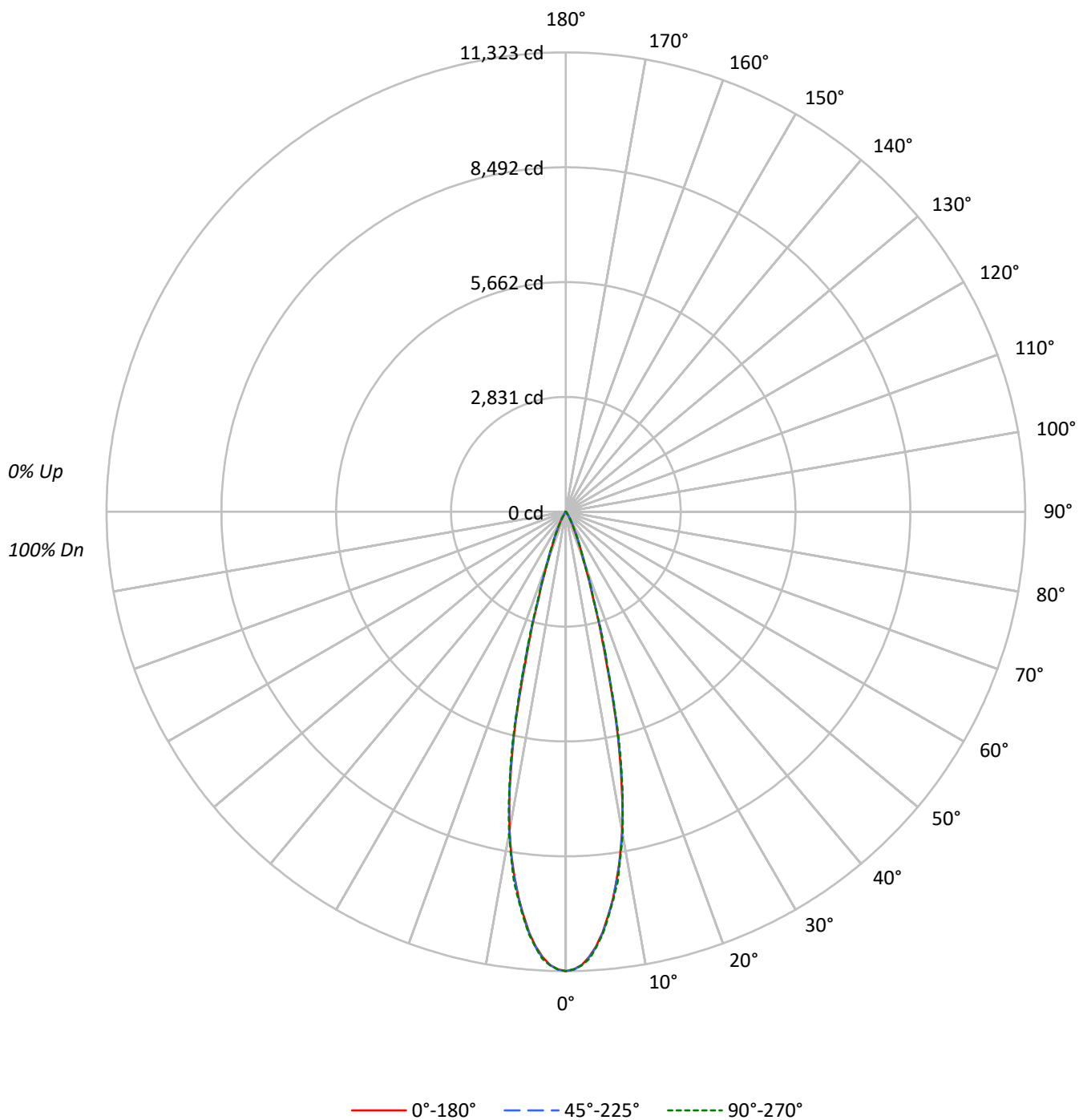
Lumens per Lamp: N/A  
Luminaire Lumens: 2357.0 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |
| 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°  | 1950146 | 1950146 | 1950146 |
| 5°  | 1798165 | 1802227 | 1805979 |
| 10° | 1396150 | 1401222 | 1408811 |
| 15° | 689960  | 718987  | 719308  |
| 20° | 232320  | 247898  | 236957  |
| 25° | 96210   | 106871  | 98966   |
| 30° | 37765   | 47469   | 38123   |
| 35° | 9882    | 19385   | 10260   |
| 40° | 3665    | 7734    | 3665    |
| 45° | 438     | 2192    | 438     |
| 50° | 0       | 482     | 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: 2192 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 917.5  | 38.9      |
| 10°-20°   | 1109.8 | 47.1      |
| 20°-30°   | 271.0  | 11.5      |
| 30°-40°   | 52.7   | 2.2       |
| 40°-50°   | 6.0    | 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       |
| 0°-30°    | 2298.3 | 97.5      |
| 0°-40°    | 2351.0 | 99.7      |
| 0°-60°    | 2357.0 | 100.0     |
| 0°-90°    | 2357.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2357.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 11323 | 11323 | 11323 | 11323 | 11323 |      |
| 5°  | 10401 | 10416 | 10425 | 10470 | 10446 | 915  |
| 15° | 3870  | 3962  | 4032  | 4072  | 4034  | 1090 |
| 25° | 506   | 533   | 562   | 539   | 521   | 258  |
| 35° | 47    | 67    | 92    | 67    | 49    | 42   |
| 45° | 2     | 5     | 9     | 5     | 2     | 3    |
| 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     | 0    |

TEST NUMBER: P1307322

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 11323.4 | 11323.4 | 11323.4 | 11323.4 | 11323.4 |
| 1°    | 11280.0 | 11287.2 | 11289.1 | 11299.9 | 11278.2 |
| 2°    | 11176.9 | 11178.7 | 11184.2 | 11205.9 | 11186.0 |
| 3°    | 10987.1 | 10999.7 | 11001.5 | 11030.5 | 11035.9 |
| 4°    | 10728.5 | 10735.7 | 10750.2 | 10799.0 | 10755.6 |
| 5°    | 10401.2 | 10415.7 | 10424.7 | 10469.9 | 10446.4 |
| 6°    | 9996.1  | 9999.8  | 10019.6 | 10072.1 | 10039.5 |
| 7°    | 9583.9  | 9582.0  | 9583.9  | 9625.4  | 9616.4  |
| 8°    | 9086.6  | 9077.5  | 9106.5  | 9157.1  | 9191.5  |
| 9°    | 8567.6  | 8580.3  | 8598.3  | 8647.2  | 8607.4  |
| 10°   | 7983.5  | 8017.9  | 8012.5  | 8016.1  | 8055.9  |
| 11°   | 7310.9  | 7321.7  | 7323.5  | 7361.5  | 7356.1  |
| 12°   | 6520.6  | 6520.6  | 6580.3  | 6641.8  | 6621.9  |
| 13°   | 5723.2  | 5779.2  | 5739.5  | 5752.1  | 5831.7  |
| 14°   | 4793.7  | 4837.1  | 4891.4  | 4942.0  | 4902.2  |
| 15°   | 3869.7  | 3961.9  | 4032.5  | 4072.2  | 4034.3  |
| 17.5° | 2216.9  | 2247.7  | 2307.4  | 2314.6  | 2291.1  |
| 20°   | 1267.6  | 1305.6  | 1352.6  | 1338.1  | 1292.9  |
| 22.5° | 797.4   | 808.3   | 855.3   | 831.8   | 821.0   |
| 25°   | 506.3   | 533.4   | 562.4   | 538.9   | 520.8   |
| 27.5° | 314.6   | 332.7   | 363.5   | 338.1   | 318.3   |
| 30°   | 189.9   | 206.1   | 238.7   | 204.3   | 191.7   |
| 32.5° | 99.5    | 123.0   | 150.1   | 124.8   | 99.5    |
| 35°   | 47.0    | 66.9    | 92.2    | 66.9    | 48.8    |
| 37.5° | 28.9    | 36.2    | 56.1    | 36.2    | 28.9    |
| 40°   | 16.3    | 23.5    | 34.4    | 23.5    | 16.3    |
| 42.5° | 7.2     | 12.7    | 16.3    | 12.7    | 9.0     |
| 45°   | 1.8     | 5.4     | 9.0     | 5.4     | 1.8     |
| 47.5° | 0.0     | 0.0     | 5.4     | 1.8     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.8     | 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)