

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: P1247634

Luminaire Tested: P3AS20R359024D010 E3CB1MMS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R359024D010 E3CB1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3CB1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

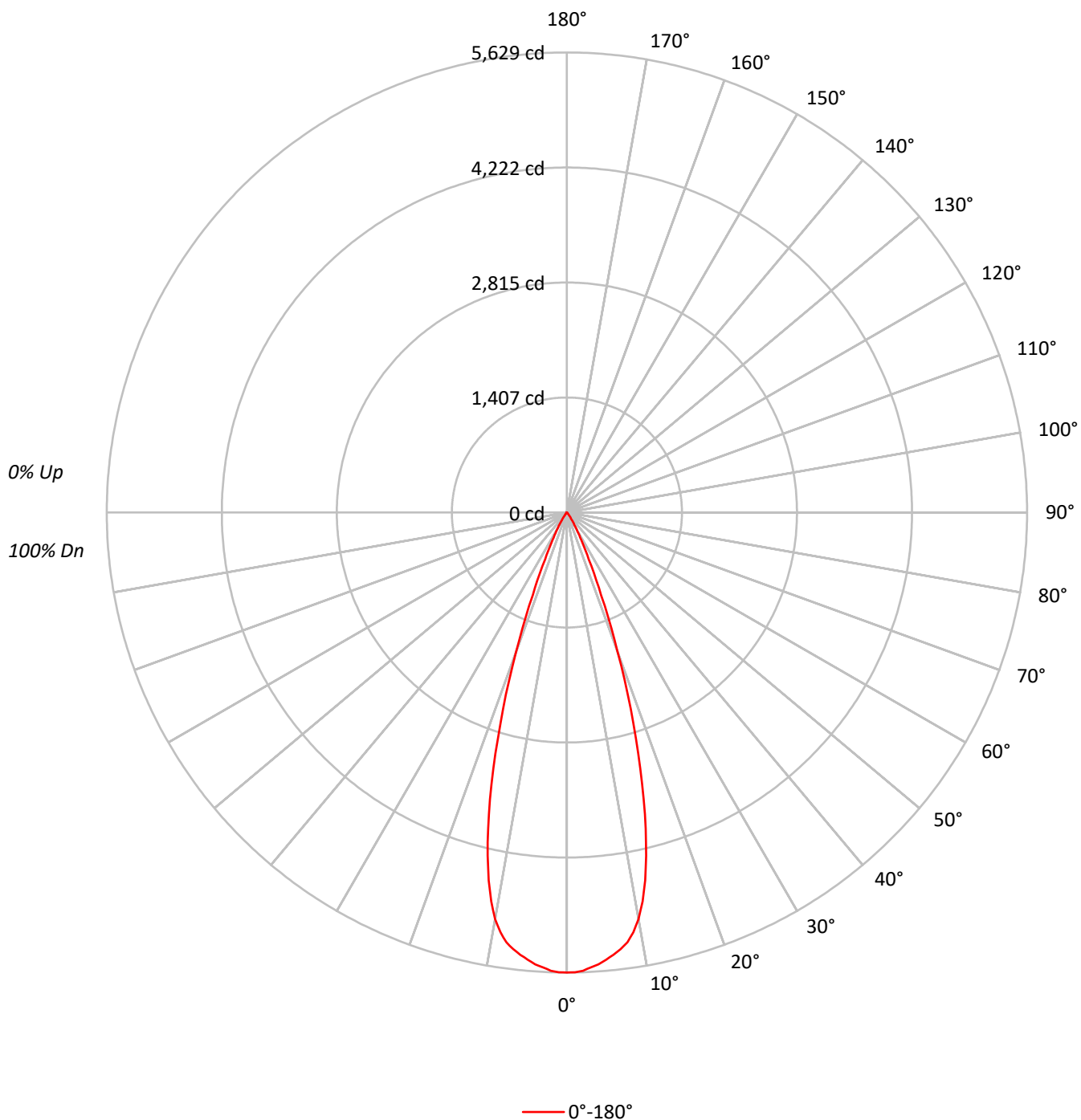
Lumens per Lamp: N/A  
Luminaire Lumens: 1893.1 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 99  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  | 95  | 94  | 93  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  | 92  | 90  | 89  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  | 86  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 89  | 86  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  | 86  | 84  | 83  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 82  |  | 86  | 83  | 81  | 80  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 79  |  | 84  | 81  | 79  | 77  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 77  |  | 82  | 79  | 76  |  | 81  | 78  | 76  | 75  |
| 9   | 89  | 82  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  | 76  | 74  | 73  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 74  | 72  |  | 77  | 74  | 72  |  | 77  | 74  | 71  | 70  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1234353 |
| 5°  | 1209220 |
| 10° | 1124940 |
| 15° | 824749  |
| 20° | 422323  |
| 25° | 152210  |
| 30° | 59275   |
| 35° | 20746   |
| 40° | 8530    |
| 45° | 2326    |
| 50° | 2047    |
| 55° | 2294    |
| 60° | 1974    |
| 65° | 1557    |
| 70° | 1923    |
| 75° | 2542    |
| 80° | 1894    |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 2542 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 512.1  | 27.1      |
| 10°-20°   | 960.9  | 50.8      |
| 20°-30°   | 340.2  | 18.0      |
| 30°-40°   | 59.6   | 3.1       |
| 40°-50°   | 8.7    | 0.5       |
| 50°-60°   | 4.9    | 0.3       |
| 60°-70°   | 3.5    | 0.2       |
| 70°-80°   | 2.6    | 0.1       |
| 80°-90°   | 0.6    | 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°    | 1813.2 | 95.8      |
| 0°-40°    | 1872.8 | 98.9      |
| 0°-60°    | 1886.4 | 99.6      |
| 0°-90°    | 1893.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1893.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 5629 |      |
| 5°  | 5494 | 512  |
| 15° | 3633 | 961  |
| 25° | 629  | 340  |
| 35° | 78   | 60   |
| 45° | 8    | 9    |
| 55° | 6    | 5    |
| 65° | 3    | 4    |
| 75° | 3    | 3    |
| 85° | 0    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 5629.1 |
| 1°    | 5627.6 |
| 2°    | 5609.8 |
| 3°    | 5575.5 |
| 4°    | 5544.2 |
| 5°    | 5493.5 |
| 6°    | 5441.3 |
| 7°    | 5383.2 |
| 8°    | 5311.6 |
| 9°    | 5199.8 |
| 10°   | 5052.2 |
| 11°   | 4848.0 |
| 12°   | 4602.0 |
| 13°   | 4309.8 |
| 14°   | 3987.8 |
| 15°   | 3633.0 |
| 17.5° | 2705.7 |
| 20°   | 1809.8 |
| 22.5° | 1091.2 |
| 25°   | 629.1  |
| 27.5° | 375.7  |
| 30°   | 234.1  |
| 32.5° | 135.7  |
| 35°   | 77.5   |
| 37.5° | 49.2   |
| 40°   | 29.8   |
| 42.5° | 14.9   |
| 45°   | 7.5    |
| 47.5° | 6.0    |
| 50°   | 6.0    |
| 52.5° | 6.0    |
| 55°   | 6.0    |
| 57.5° | 4.5    |
| 60°   | 4.5    |
| 62.5° | 4.5    |
| 65°   | 3.0    |
| 67.5° | 3.0    |
| 70°   | 3.0    |
| 72.5° | 3.0    |
| 75°   | 3.0    |
| 77.5° | 1.5    |
| 80°   | 1.5    |
| 82.5° | 1.5    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)