

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: P1274668

Luminaire Tested: P3AS20R259830D010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1274668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R259830D010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

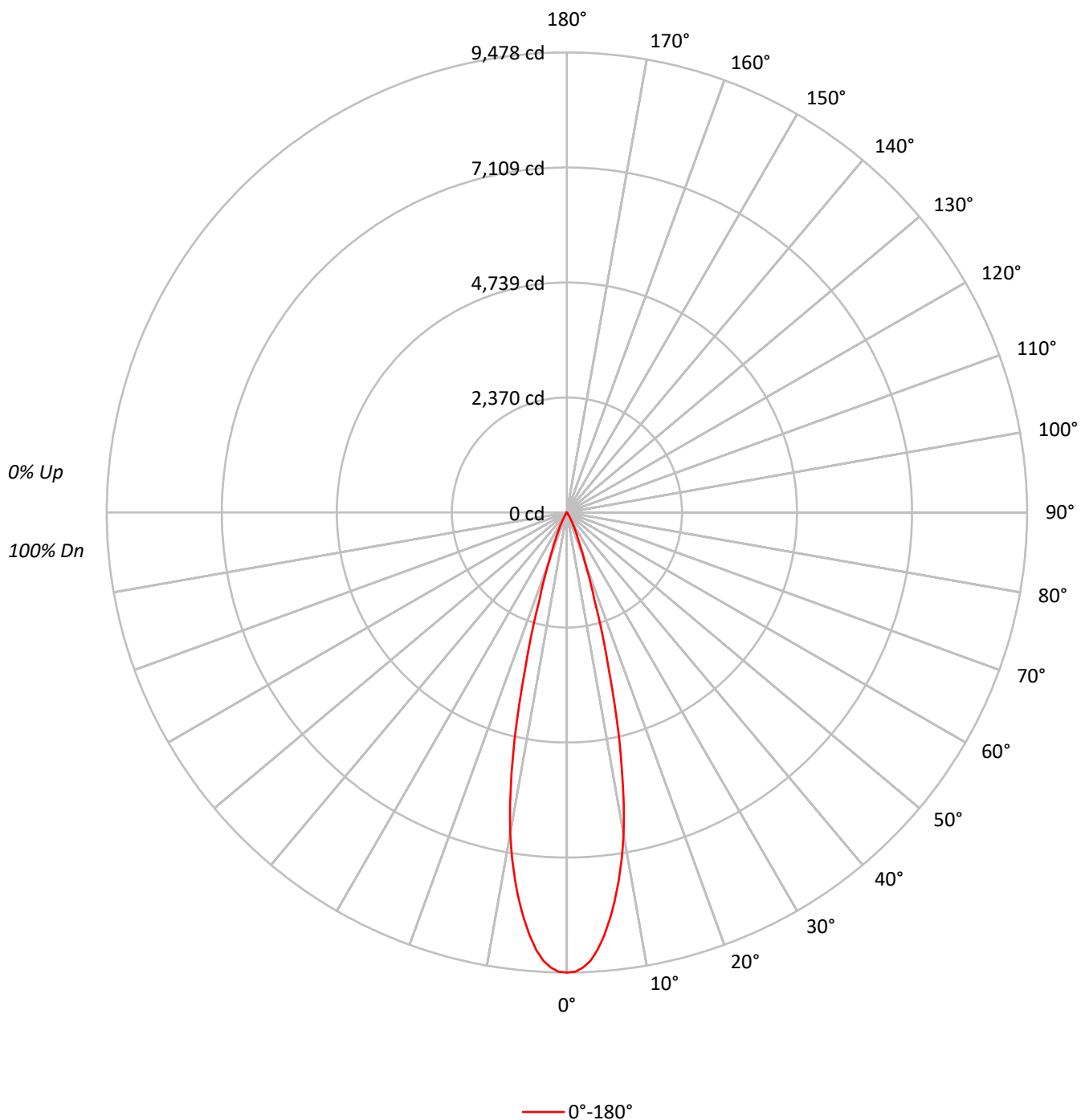
Lumens per Lamp: N/A  
Luminaire Lumens: 1944.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85 | 85 |
| 7   | 97  | 91  | 88  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83 | 83 |
| 8   | 95  | 89  | 85  | 83  | 94  | 89  | 85  | 82  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 81  | 81 | 81 |
| 9   | 93  | 87  | 83  | 80  | 92  | 86  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 79 | 79 |
| 10  | 91  | 85  | 81  | 78  | 90  | 84  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 77 | 77 |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2078408 |
| 5°  | 1927686 |
| 10° | 1494962 |
| 15° | 749607  |
| 20° | 246281  |
| 25° | 97917   |
| 30° | 36740   |
| 35° | 10627   |
| 40° | 4809    |
| 45° | 1892    |
| 50° | 1569    |
| 55° | 1185    |
| 60° | 1360    |
| 65° | 1608    |
| 70° | 962     |
| 75° | 1271    |
| 80° | 1894    |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 80°  
Luminance: 1894 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 770.3  | 39.6      |
| 10°-20°   | 919.0  | 47.3      |
| 20°-30°   | 207.2  | 10.7      |
| 30°-40°   | 33.6   | 1.7       |
| 40°-50°   | 6.1    | 0.3       |
| 50°-60°   | 3.3    | 0.2       |
| 60°-70°   | 2.9    | 0.1       |
| 70°-80°   | 1.6    | 0.1       |
| 80°-90°   | 0.2    | 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°    | 1896.4 | 97.6      |
| 0°-40°    | 1930.0 | 99.3      |
| 0°-60°    | 1939.4 | 99.8      |
| 0°-90°    | 1944.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1944.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 9478 |      |
| 5°  | 8758 | 770  |
| 15° | 3302 | 919  |
| 25° | 405  | 207  |
| 35° | 40   | 34   |
| 45° | 6    | 6    |
| 55° | 3    | 3    |
| 65° | 3    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 9478.3 |
| 1°    | 9463.1 |
| 2°    | 9386.7 |
| 3°    | 9246.2 |
| 4°    | 9033.9 |
| 5°    | 8757.5 |
| 6°    | 8427.6 |
| 7°    | 8070.2 |
| 8°    | 7660.9 |
| 9°    | 7213.4 |
| 10°   | 6714.0 |
| 11°   | 6138.2 |
| 12°   | 5475.3 |
| 13°   | 4781.9 |
| 14°   | 4038.1 |
| 15°   | 3302.0 |
| 17.5° | 1881.6 |
| 20°   | 1055.4 |
| 22.5° | 636.9  |
| 25°   | 404.7  |
| 27.5° | 248.9  |
| 30°   | 145.1  |
| 32.5° | 76.4   |
| 35°   | 39.7   |
| 37.5° | 26.0   |
| 40°   | 16.8   |
| 42.5° | 10.7   |
| 45°   | 6.1    |
| 47.5° | 4.6    |
| 50°   | 4.6    |
| 52.5° | 4.6    |
| 55°   | 3.1    |
| 57.5° | 3.1    |
| 60°   | 3.1    |
| 62.5° | 3.1    |
| 65°   | 3.1    |
| 67.5° | 3.1    |
| 70°   | 1.5    |
| 72.5° | 1.5    |
| 75°   | 1.5    |
| 77.5° | 1.5    |
| 80°   | 1.5    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)