

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: P1258291

Luminaire Tested: P3AS20R659040D010 E3D1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1258291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R659040D010 E3D1H  
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

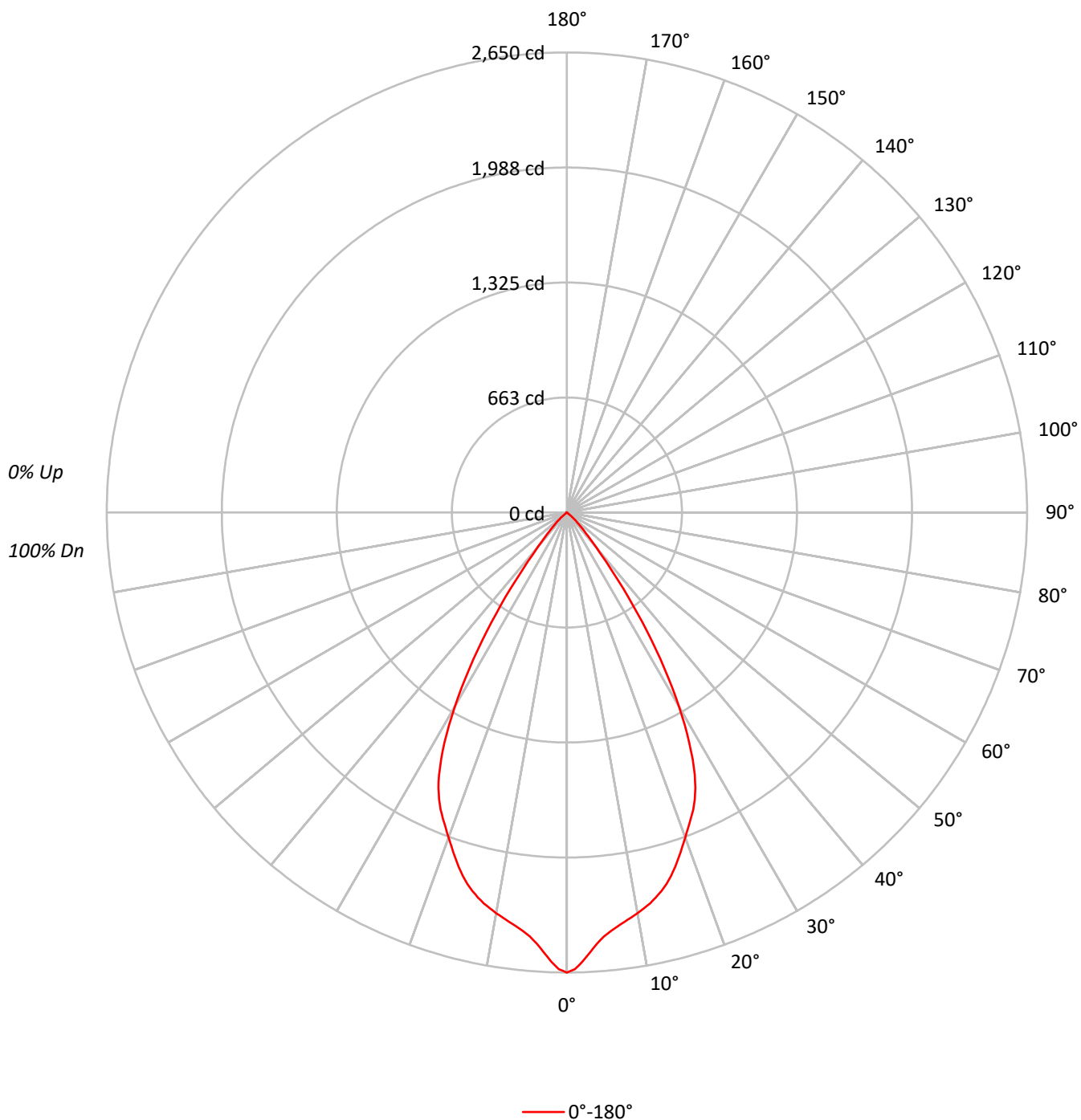
Lumens per Lamp: N/A  
Luminaire Lumens: 2169.0 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 96  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 88  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 79  | 75  | 92  | 84  | 79  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 7   | 84  | 75  | 70  | 65  | 83  | 75  | 69  | 65  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |
| 9   | 77  | 67  | 61  | 58  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 62  | 57  | 54  |  | 62  | 57  | 54  |  | 61  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 581203 |
| 5°  | 539664 |
| 10° | 521879 |
| 15° | 502931 |
| 20° | 464957 |
| 25° | 423629 |
| 30° | 327316 |
| 35° | 189740 |
| 40° | 75284  |
| 45° | 32065  |
| 50° | 7607   |
| 55° | 1032   |
| 60° | 789    |
| 65° | 467    |
| 70° | 577    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32065 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 231.2  | 10.7      |
| 10°-20°   | 617.3  | 28.5      |
| 20°-30°   | 781.3  | 36.0      |
| 30°-40°   | 444.9  | 20.5      |
| 40°-50°   | 88.4   | 4.1       |
| 50°-60°   | 4.6    | 0.2       |
| 60°-70°   | 1.2    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 1629.8 | 75.1      |
| 0°-40°    | 2074.7 | 95.7      |
| 0°-60°    | 2167.7 | 99.9      |
| 0°-90°    | 2169.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2169.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2650 |      |
| 5°  | 2452 | 231  |
| 15° | 2215 | 617  |
| 25° | 1751 | 781  |
| 35° | 709  | 445  |
| 45° | 103  | 88   |
| 55° | 3    | 5    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2650.5 |
| 1°    | 2630.9 |
| 2°    | 2588.1 |
| 3°    | 2538.1 |
| 4°    | 2489.1 |
| 5°    | 2451.7 |
| 6°    | 2424.0 |
| 7°    | 2401.7 |
| 8°    | 2382.1 |
| 9°    | 2362.5 |
| 10°   | 2343.8 |
| 11°   | 2323.3 |
| 12°   | 2301.9 |
| 13°   | 2276.0 |
| 14°   | 2248.4 |
| 15°   | 2215.4 |
| 16°   | 2176.2 |
| 17°   | 2133.4 |
| 18°   | 2087.0 |
| 19°   | 2038.0 |
| 20°   | 1992.5 |
| 21°   | 1946.2 |
| 22°   | 1904.3 |
| 23°   | 1860.6 |
| 24°   | 1809.8 |
| 25°   | 1750.9 |
| 26°   | 1680.5 |
| 27°   | 1595.8 |
| 28°   | 1500.4 |
| 29°   | 1398.8 |
| 30°   | 1292.7 |
| 31°   | 1175.9 |
| 32°   | 1060.0 |
| 32.5° | 1000.3 |
| 33°   | 942.3  |
| 34°   | 824.7  |
| 35°   | 708.8  |
| 36°   | 601.8  |
| 37°   | 495.7  |
| 37.5° | 441.3  |
| 38°   | 397.6  |
| 39°   | 321.8  |
| 40°   | 263.0  |
| 42.5° | 162.3  |
| 45°   | 103.4  |

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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 60.6 |
| 50°   | 22.3 |
| 52.5° | 4.5  |
| 55°   | 2.7  |
| 57.5° | 1.8  |
| 60°   | 1.8  |
| 62.5° | 1.8  |
| 65°   | 0.9  |
| 67.5° | 0.9  |
| 70°   | 0.9  |
| 72.5° | 0.0  |
| 75°   | 0.0  |
| 77.5° | 0.0  |
| 80°   | 0.0  |
| 82.5° | 0.0  |
| 85°   | 0.0  |
| 87.5° | 0.0  |
| 90°   | 0.0  |

(END OF REPORT)