

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: P1247670

Luminaire Tested: P3AS20R409024D010 E3D1WH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R409024D010 E3D1WH  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

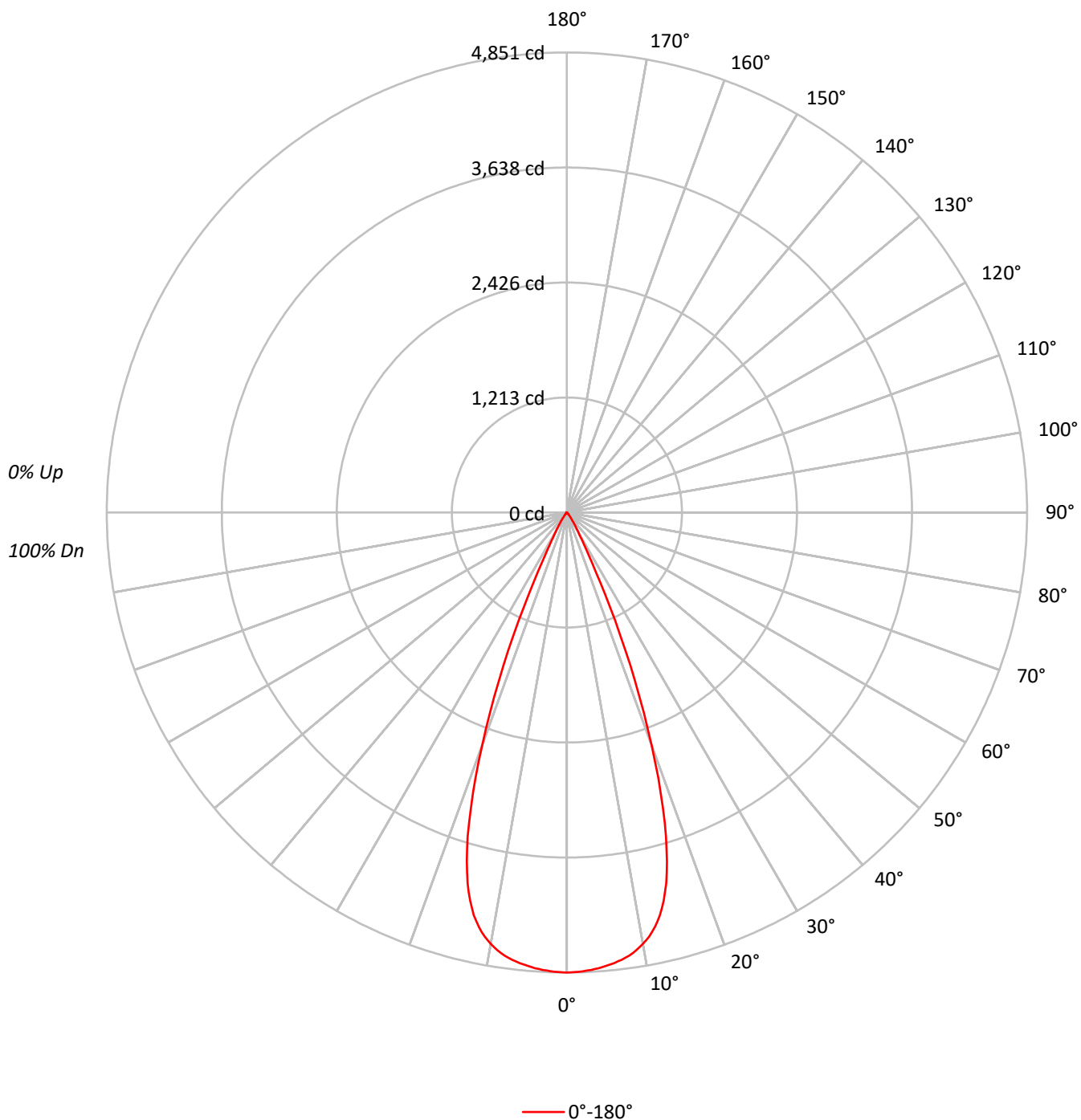
Lumens per Lamp: N/A  
Luminaire Lumens: 2087.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 115 | 112 | 110 | 109 |  | 112 | 110 | 109 | 107 |  | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 98  | 98  |
| 2   | 111 | 107 | 104 | 101 |  | 109 | 105 | 102 | 100 |  | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 96  | 95  | 94  |
| 3   | 107 | 102 | 98  | 95  |  | 105 | 100 | 97  | 94  |  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 93  | 91  | 90  |
| 4   | 103 | 97  | 93  | 90  |  | 101 | 96  | 92  | 89  |  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  | 88  | 86  |
| 5   | 99  | 93  | 89  | 85  |  | 98  | 92  | 88  | 85  |  | 91  | 87  | 84  |  | 89  | 86  | 84  |  | 88  | 85  | 83  |
| 6   | 96  | 89  | 85  | 81  |  | 95  | 89  | 84  | 81  |  | 87  | 83  | 81  |  | 86  | 83  | 80  |  | 85  | 82  | 80  |
| 7   | 93  | 86  | 81  | 78  |  | 92  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 83  | 80  | 77  |  | 82  | 79  | 77  |
| 8   | 90  | 83  | 78  | 75  |  | 89  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  | 77  | 74  |  | 79  | 76  | 74  |
| 9   | 87  | 80  | 75  | 72  |  | 86  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 78  | 74  | 72  |  | 77  | 74  | 71  |
| 10  | 84  | 77  | 72  | 70  |  | 83  | 77  | 72  | 69  |  | 76  | 72  | 69  |  | 75  | 72  | 69  |  | 74  | 71  | 69  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1063796 |
| 5°  | 1056106 |
| 10° | 1028460 |
| 15° | 918711  |
| 20° | 609170  |
| 25° | 228207  |
| 30° | 61047   |
| 35° | 23851   |
| 40° | 8588    |
| 45° | 4093    |
| 50° | 1262    |
| 55° | 573     |
| 60° | 307     |
| 65° | 363     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 4093 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 452.8  | 21.7      |
| 10°-20°   | 1072.3 | 51.4      |
| 20°-30°   | 486.3  | 23.3      |
| 30°-40°   | 63.0   | 3.0       |
| 40°-50°   | 10.9   | 0.5       |
| 50°-60°   | 1.3    | 0.1       |
| 60°-70°   | 0.4    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 2011.3 | 96.4      |
| 0°-40°    | 2074.3 | 99.4      |
| 0°-60°    | 2086.6 | 100.0     |
| 0°-90°    | 2087.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2087.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4851 |      |
| 5°  | 4798 | 453  |
| 15° | 4047 | 1072 |
| 25° | 943  | 486  |
| 35° | 89   | 63   |
| 45° | 13   | 11   |
| 55° | 2    | 1    |
| 65° | 1    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4851.3 |
| 1°    | 4848.4 |
| 2°    | 4841.1 |
| 3°    | 4830.1 |
| 4°    | 4816.2 |
| 5°    | 4797.9 |
| 6°    | 4776.8 |
| 7°    | 4750.5 |
| 8°    | 4718.3 |
| 9°    | 4674.5 |
| 10°   | 4618.9 |
| 11°   | 4553.9 |
| 12°   | 4467.0 |
| 13°   | 4359.6 |
| 14°   | 4219.3 |
| 15°   | 4046.9 |
| 16°   | 3827.0 |
| 17°   | 3576.4 |
| 18°   | 3275.3 |
| 19°   | 2957.5 |
| 20°   | 2610.5 |
| 21°   | 2263.4 |
| 22°   | 1921.5 |
| 23°   | 1581.0 |
| 24°   | 1246.4 |
| 25°   | 943.2  |
| 26°   | 698.5  |
| 27°   | 511.4  |
| 28°   | 384.3  |
| 29°   | 298.8  |
| 30°   | 241.1  |
| 31°   | 199.5  |
| 32°   | 166.6  |
| 32.5° | 152.0  |
| 33°   | 137.4  |
| 34°   | 111.8  |
| 35°   | 89.1   |
| 36°   | 70.1   |
| 37°   | 55.5   |
| 37.5° | 49.7   |
| 38°   | 43.8   |
| 39°   | 36.5   |
| 40°   | 30.0   |
| 42.5° | 19.7   |
| 45°   | 13.2   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 8.0 |
| 50°   | 3.7 |
| 52.5° | 1.5 |
| 55°   | 1.5 |
| 57.5° | 0.7 |
| 60°   | 0.7 |
| 62.5° | 0.7 |
| 65°   | 0.7 |
| 67.5° | 0.0 |
| 70°   | 0.0 |
| 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)