

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: P1249966

Luminaire Tested: P3AS20R309027D010 E3CD1MB

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1249966  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R309027D010 E3CD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

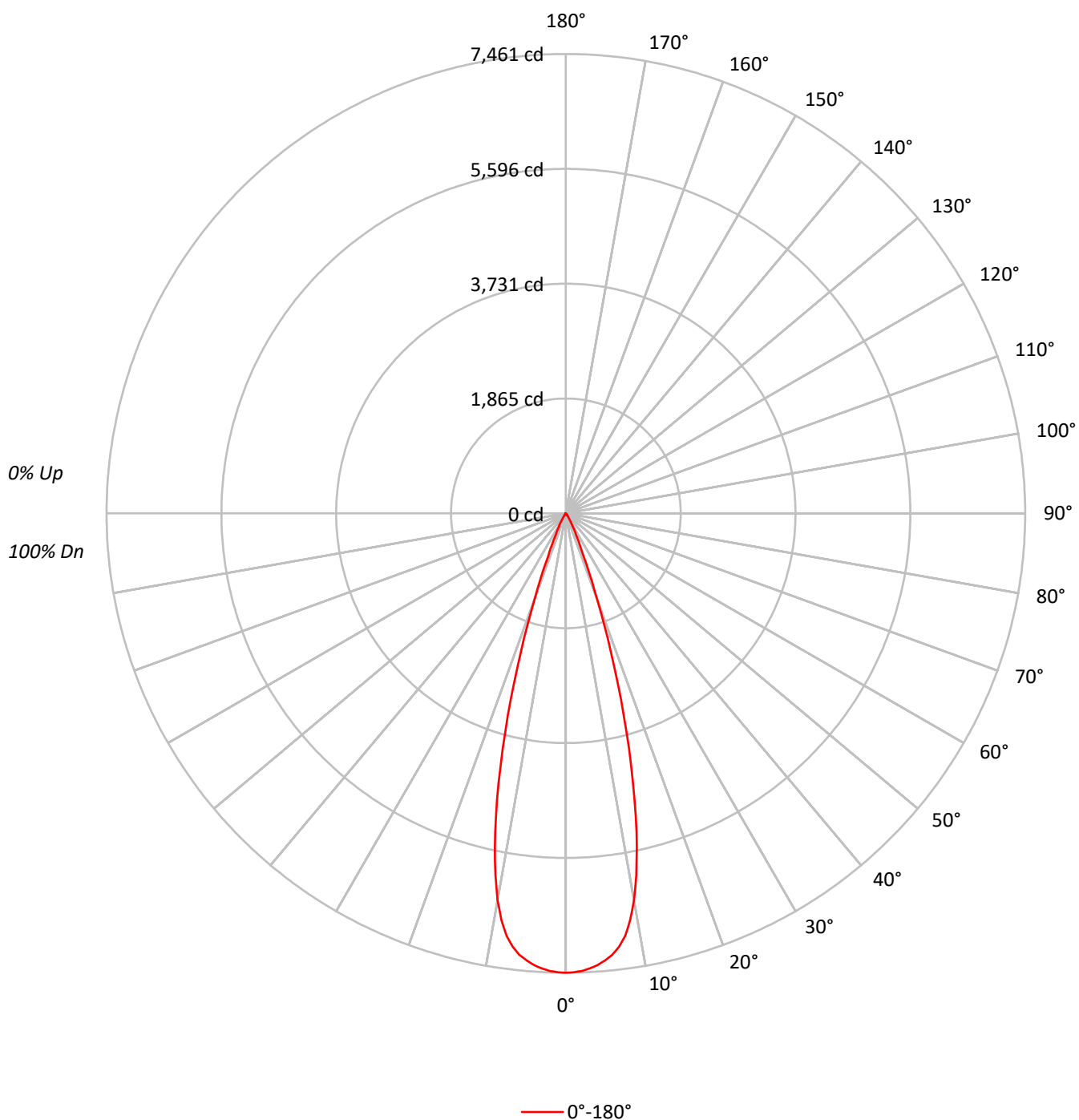
Lumens per Lamp: N/A  
Luminaire Lumens: 2009.1 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 97  | 95  | 93  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 91  | 88  | 87  | 85  | 84 | 83 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 87  | 83  | 81  | 93  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 90  | 84  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 76  | 75 | 74 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 78  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 77  | 75  | 74  | 73 | 72 |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1636009 |
| 5°  | 1605081 |
| 10° | 1420904 |
| 15° | 900232  |
| 20° | 341723  |
| 25° | 101183  |
| 30° | 39956   |
| 35° | 12260   |
| 40° | 5410    |
| 45° | 1954    |
| 50° | 1603    |
| 55° | 1223    |
| 60° | 1403    |
| 65° | 1660    |
| 70° | 1026    |
| 75° | 1356    |
| 80° | 2020    |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 2020 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 670.3  | 33.4      |
| 10°-20°   | 1044.7 | 52.0      |
| 20°-30°   | 242.6  | 12.1      |
| 30°-40°   | 37.6   | 1.9       |
| 40°-50°   | 6.4    | 0.3       |
| 50°-60°   | 3.0    | 0.2       |
| 60°-70°   | 2.6    | 0.1       |
| 70°-80°   | 1.7    | 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       |
| 0°-30°    | 1957.6 | 97.4      |
| 0°-40°    | 1995.2 | 99.3      |
| 0°-60°    | 2004.6 | 99.8      |
| 0°-90°    | 2009.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2009.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7461 |      |
| 5°  | 7292 | 670  |
| 15° | 3966 | 1045 |
| 25° | 418  | 243  |
| 35° | 46   | 38   |
| 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°    | 7460.8 |
| 1°    | 7456.0 |
| 2°    | 7435.5 |
| 3°    | 7400.8 |
| 4°    | 7356.6 |
| 5°    | 7291.9 |
| 6°    | 7211.4 |
| 7°    | 7091.5 |
| 8°    | 6927.4 |
| 9°    | 6686.0 |
| 10°   | 6381.4 |
| 11°   | 5988.5 |
| 12°   | 5545.1 |
| 13°   | 5052.7 |
| 14°   | 4511.5 |
| 15°   | 3965.5 |
| 17.5° | 2594.2 |
| 20°   | 1464.4 |
| 22.5° | 748.0  |
| 25°   | 418.2  |
| 27.5° | 257.2  |
| 30°   | 157.8  |
| 32.5° | 85.2   |
| 35°   | 45.8   |
| 37.5° | 30.0   |
| 40°   | 18.9   |
| 42.5° | 11.0   |
| 45°   | 6.3    |
| 47.5° | 4.7    |
| 50°   | 4.7    |
| 52.5° | 3.2    |
| 55°   | 3.2    |
| 57.5° | 3.2    |
| 60°   | 3.2    |
| 62.5° | 3.2    |
| 65°   | 3.2    |
| 67.5° | 1.6    |
| 70°   | 1.6    |
| 72.5° | 1.6    |
| 75°   | 1.6    |
| 77.5° | 1.6    |
| 80°   | 1.6    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0

(END OF REPORT)