

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: P1250029

Luminaire Tested: P3AS20R409027D010 E3D1H

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1250029  
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: P3AS20R409027D010 E3D1H  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

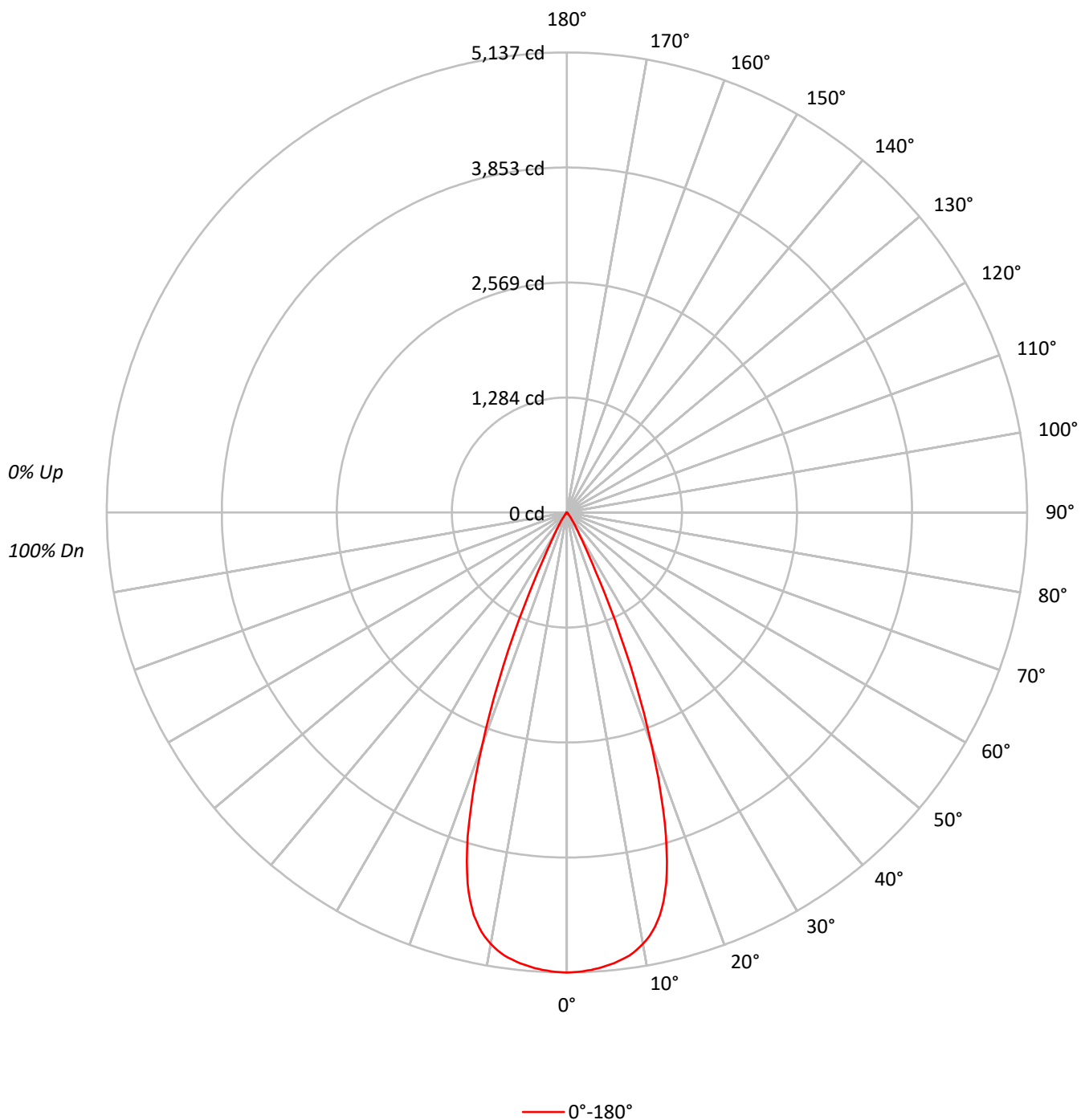
Lumens per Lamp: N/A  
Luminaire Lumens: 2210.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1126489 |
| 5°  | 1118355 |
| 10° | 1089091 |
| 15° | 972855  |
| 20° | 645059  |
| 25° | 241659  |
| 30° | 64643   |
| 35° | 25270   |
| 40° | 9074    |
| 45° | 4311    |
| 50° | 1330    |
| 55° | 573     |
| 60° | 351     |
| 65° | 415     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4311 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 479.5  | 21.7      |
| 10°-20°   | 1135.5 | 51.4      |
| 20°-30°   | 514.9  | 23.3      |
| 30°-40°   | 66.7   | 3.0       |
| 40°-50°   | 11.5   | 0.5       |
| 50°-60°   | 1.4    | 0.1       |
| 60°-70°   | 0.5    | 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°    | 2129.9 | 96.4      |
| 0°-40°    | 2196.6 | 99.4      |
| 0°-60°    | 2209.5 | 100.0     |
| 0°-90°    | 2210.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2210.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 5137 |      |
| 5°  | 5081 | 479  |
| 15° | 4285 | 1135 |
| 25° | 999  | 515  |
| 35° | 94   | 67   |
| 45° | 14   | 12   |
| 55° | 2    | 1    |
| 65° | 1    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 5137.2 |
| 1°    | 5134.1 |
| 2°    | 5126.4 |
| 3°    | 5114.8 |
| 4°    | 5100.1 |
| 5°    | 5080.7 |
| 6°    | 5058.3 |
| 7°    | 5030.4 |
| 8°    | 4996.4 |
| 9°    | 4950.0 |
| 10°   | 4891.2 |
| 11°   | 4822.3 |
| 12°   | 4730.2 |
| 13°   | 4616.5 |
| 14°   | 4468.0 |
| 15°   | 4285.4 |
| 16°   | 4052.5 |
| 17°   | 3787.1 |
| 18°   | 3468.4 |
| 19°   | 3131.8 |
| 20°   | 2764.3 |
| 21°   | 2396.8 |
| 22°   | 2034.8 |
| 23°   | 1674.2 |
| 24°   | 1319.9 |
| 25°   | 998.8  |
| 26°   | 739.6  |
| 27°   | 541.6  |
| 28°   | 407.0  |
| 29°   | 316.4  |
| 30°   | 255.3  |
| 31°   | 211.2  |
| 32°   | 176.4  |
| 32.5° | 160.9  |
| 33°   | 145.5  |
| 34°   | 118.4  |
| 35°   | 94.4   |
| 36°   | 74.3   |
| 37°   | 58.8   |
| 37.5° | 52.6   |
| 38°   | 46.4   |
| 39°   | 38.7   |
| 40°   | 31.7   |
| 42.5° | 20.9   |
| 45°   | 13.9   |

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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 8.5 |
| 50°   | 3.9 |
| 52.5° | 1.5 |
| 55°   | 1.5 |
| 57.5° | 0.8 |
| 60°   | 0.8 |
| 62.5° | 0.8 |
| 65°   | 0.8 |
| 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)