

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: P1257672

Luminaire Tested: P3AS17R159040DE010 E3DLP1GPH

Issue Date: 1/30/2026

**Test Information**

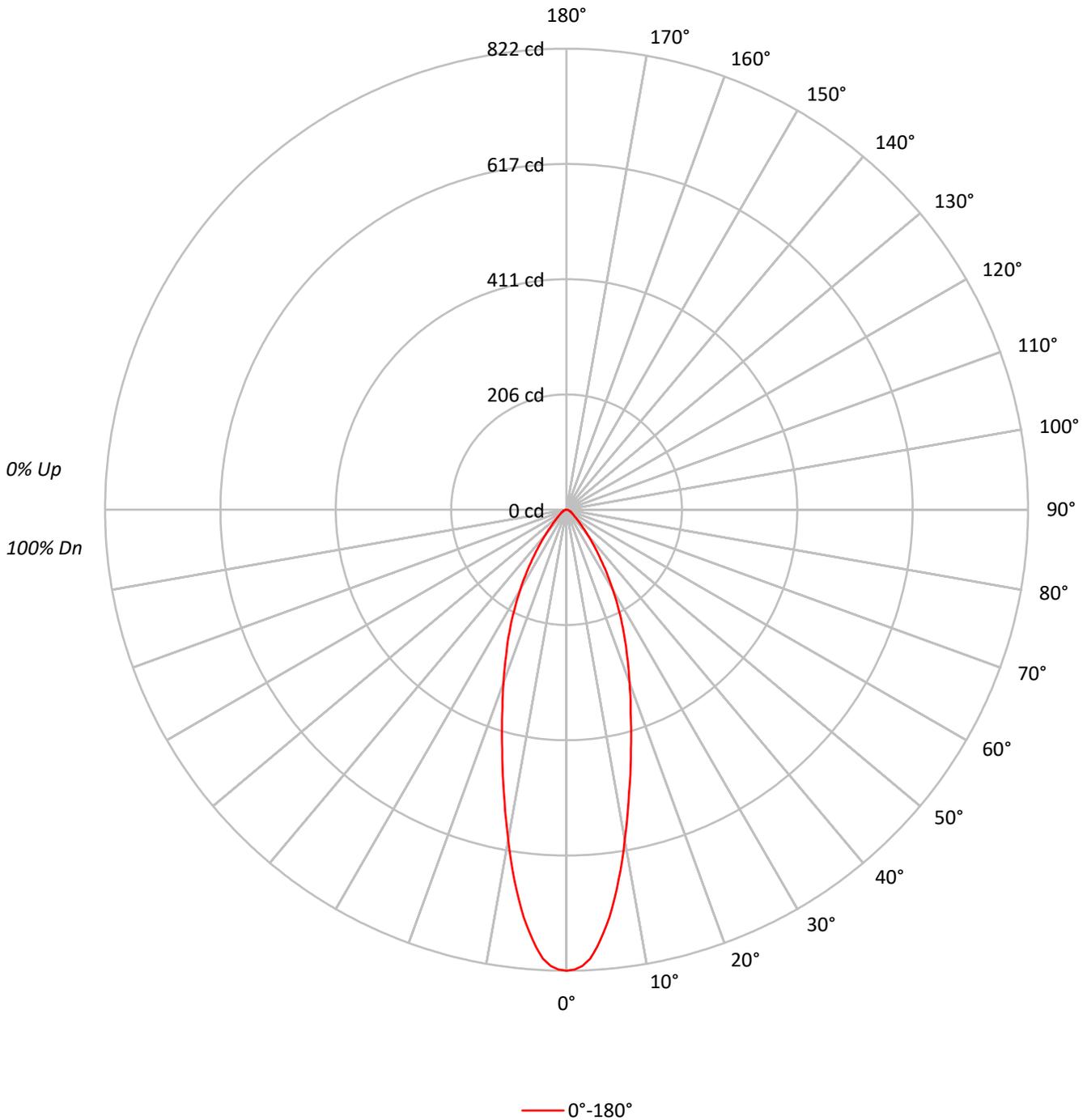
Test Method: LM-79-2019  
Report Number: P1257672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R159040DE010 E3DLP1GPH  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3DLP1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 418.0 lumens  
Efficiency: N/A  
Efficacy: 19.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 95  | 93  | 93  | 93  | 93  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 86  | 86  | 86  | 86  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  | 89  | 86  | 83  | 87  | 84  | 82  | 80  | 80  | 80  | 80  |
| 4   | 97  | 90  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 82  | 79  | 77  | 75  | 75  | 75  | 75  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  | 70  | 70  | 70  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 69  | 76  | 71  | 68  | 74  | 71  | 68  | 66  | 66  | 66  | 66  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 62  | 62  | 62  | 62  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 60  | 59  | 59  | 59  | 59  |
| 9   | 77  | 68  | 62  | 58  | 76  | 67  | 62  | 58  | 66  | 61  | 58  | 65  | 61  | 57  | 64  | 60  | 57  | 56  | 56  | 56  | 56  |
| 10  | 74  | 64  | 59  | 55  | 73  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 62  | 57  | 54  | 53  | 53  | 53  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 180249 |
| 5°  | 166586 |
| 10° | 132997 |
| 15° | 100477 |
| 20° | 76517  |
| 25° | 58310  |
| 30° | 41753  |
| 35° | 27251  |
| 40° | 16717  |
| 45° | 10110  |
| 50° | 6720   |
| 55° | 5199   |
| 60° | 4473   |
| 65° | 3891   |
| 70° | 3462   |
| 75° | 3474   |
| 80° | 2526   |
| 85° | 1761   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10110 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.0   | 16.0      |
| 10°-20°   | 123.7  | 29.6      |
| 20°-30°   | 110.1  | 26.3      |
| 30°-40°   | 65.2   | 15.6      |
| 40°-50°   | 26.7   | 6.4       |
| 50°-60°   | 12.6   | 3.0       |
| 60°-70°   | 7.6    | 1.8       |
| 70°-80°   | 4.0    | 1.0       |
| 80°-90°   | 1.0    | 0.2       |
| 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°    | 300.9  | 72.0      |
| 0°-40°    | 366.0  | 87.6      |
| 0°-60°    | 405.3  | 97.0      |
| 0°-90°    | 418.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 418.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 822 |      |
| 5°  | 757 | 67   |
| 15° | 443 | 124  |
| 25° | 241 | 110  |
| 35° | 102 | 65   |
| 45° | 33  | 27   |
| 55° | 14  | 13   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 822.0 |
| 1°    | 820.0 |
| 2°    | 813.9 |
| 3°    | 801.6 |
| 4°    | 781.3 |
| 5°    | 756.8 |
| 6°    | 730.4 |
| 7°    | 699.1 |
| 8°    | 666.6 |
| 9°    | 633.3 |
| 10°   | 597.3 |
| 12.5° | 515.2 |
| 15°   | 442.6 |
| 17.5° | 380.1 |
| 20°   | 327.9 |
| 22.5° | 281.7 |
| 25°   | 241.0 |
| 27.5° | 201.6 |
| 30°   | 164.9 |
| 32.5° | 131.7 |
| 35°   | 101.8 |
| 37.5° | 78.1  |
| 40°   | 58.4  |
| 42.5° | 43.4  |
| 45°   | 32.6  |
| 47.5° | 25.1  |
| 50°   | 19.7  |
| 52.5° | 16.3  |
| 55°   | 13.6  |
| 57.5° | 11.5  |
| 60°   | 10.2  |
| 62.5° | 8.8   |
| 65°   | 7.5   |
| 67.5° | 6.8   |
| 70°   | 5.4   |
| 72.5° | 4.8   |
| 75°   | 4.1   |
| 77.5° | 2.7   |
| 80°   | 2.0   |
| 82.5° | 1.4   |
| 85°   | 0.7   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)