

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: P1247367

Luminaire Tested: P3AS17R459024DE010 E3DLP1MW

Issue Date: 1/30/2026

**Test Information**

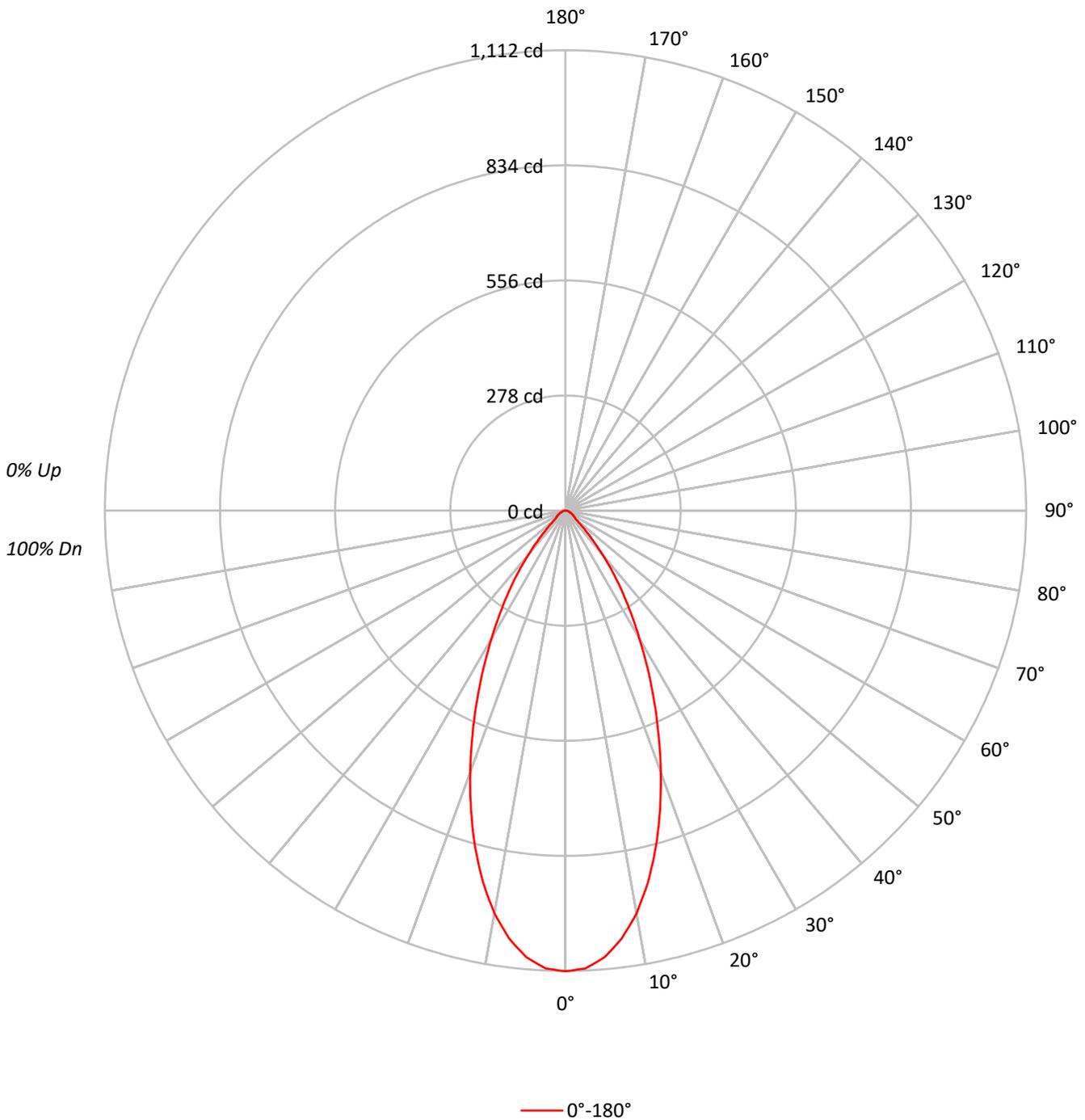
Test Method: LM-79-2019  
Report Number: P1247367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R459024DE010 E3DLP1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 819.0 lumens  
Efficiency: N/A  
Efficacy: 38.6 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76  
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 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |    |    |    | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 86  |    |    |    | 86  |
| 3   | 102 | 95  | 90  | 85  | 100 | 93  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 79  |    |    |    | 79  |
| 4   | 96  | 88  | 83  | 78  | 94  | 87  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |    | 74  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 69  |    |    |    | 69  |
| 6   | 87  | 78  | 72  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 66  | 64  |    |    |    | 64  |
| 7   | 83  | 73  | 67  | 63  | 81  | 72  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 61  | 60  |    |    |    | 60  |
| 8   | 79  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 62  | 58  | 65  | 61  | 58  | 56  |    |    |    | 56  |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 53  |    |    |    | 53  |
| 10  | 72  | 62  | 56  | 52  | 71  | 61  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 52  | 59  | 55  | 52  | 50  |    |    |    | 50  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 243950 |
| 5°  | 238388 |
| 10° | 219902 |
| 15° | 191216 |
| 20° | 157094 |
| 25° | 122233 |
| 30° | 90267  |
| 35° | 63523  |
| 40° | 39646  |
| 45° | 21460  |
| 50° | 11633  |
| 55° | 9978   |
| 60° | 8947   |
| 65° | 7679   |
| 70° | 6540   |
| 75° | 6693   |
| 80° | 5683   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21460 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.3  | 12.2      |
| 10°-20°   | 232.9  | 28.4      |
| 20°-30°   | 231.2  | 28.2      |
| 30°-40°   | 148.9  | 18.2      |
| 40°-50°   | 57.3   | 7.0       |
| 50°-60°   | 23.3   | 2.8       |
| 60°-70°   | 14.7   | 1.8       |
| 70°-80°   | 7.9    | 1.0       |
| 80°-90°   | 2.5    | 0.3       |
| 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°    | 564.3  | 68.9      |
| 0°-40°    | 713.2  | 87.1      |
| 0°-60°    | 793.9  | 96.9      |
| 0°-90°    | 819.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 819.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1112 |      |
| 5°  | 1083 | 100  |
| 15° | 842  | 233  |
| 25° | 505  | 231  |
| 35° | 237  | 149  |
| 45° | 69   | 57   |
| 55° | 26   | 23   |
| 65° | 15   | 15   |
| 75° | 8    | 8    |
| 85° | 2    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1112.5 |
| 2.5°  | 1106.8 |
| 5°    | 1083.0 |
| 7.5°  | 1042.1 |
| 10°   | 987.6  |
| 12.5° | 919.5  |
| 15°   | 842.3  |
| 17.5° | 758.3  |
| 20°   | 673.2  |
| 22.5° | 586.9  |
| 25°   | 505.2  |
| 27.5° | 428.0  |
| 30°   | 356.5  |
| 32.5° | 294.0  |
| 35°   | 237.3  |
| 37.5° | 186.2  |
| 40°   | 138.5  |
| 42.5° | 99.9   |
| 45°   | 69.2   |
| 47.5° | 46.5   |
| 50°   | 34.1   |
| 52.5° | 28.4   |
| 55°   | 26.1   |
| 57.5° | 22.7   |
| 60°   | 20.4   |
| 62.5° | 17.0   |
| 65°   | 14.8   |
| 67.5° | 12.5   |
| 70°   | 10.2   |
| 72.5° | 9.1    |
| 75°   | 7.9    |
| 77.5° | 5.7    |
| 80°   | 4.5    |
| 82.5° | 3.4    |
| 85°   | 2.3    |
| 87.5° | 1.1    |
| 90°   | 0.0    |

(END OF REPORT)