

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: P1247342

Luminaire Tested: P3A17R409024DE010 E3DLP1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R409024DE010 E3DLP1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

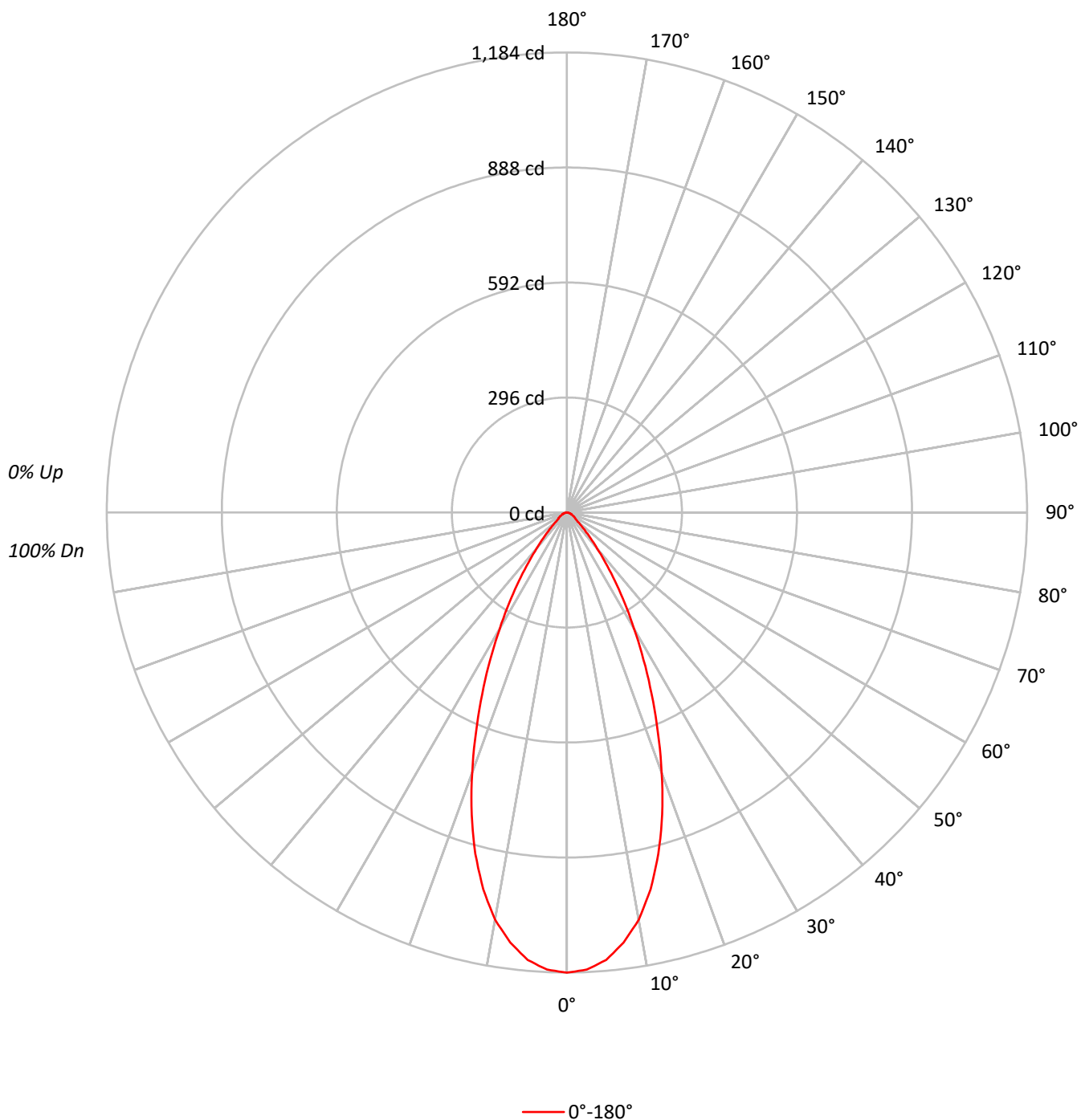
Lumens per Lamp: N/A  
Luminaire Lumens: 834.0 lumens  
Efficiency: N/A  
Efficacy: 39.3 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 93  | 97  | 94  | 91  |  | 94  | 92  | 89  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 86  |
| 4   | 97  | 89  | 83  | 79  | 95  | 88  | 83  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 5   | 92  | 83  | 77  | 73  | 90  | 82  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 6   | 87  | 78  | 72  | 68  | 86  | 78  | 72  | 68  | 76  | 71  | 67  |  | 75  | 70  | 67  |  | 73  |
| 7   | 83  | 74  | 68  | 64  | 82  | 73  | 68  | 64  | 72  | 67  | 63  |  | 71  | 66  | 63  |  | 70  |
| 8   | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 59  |  | 67  | 63  | 59  |  | 66  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 259694 |
| 5°  | 254435 |
| 10° | 236892 |
| 15° | 206471 |
| 20° | 166404 |
| 25° | 124725 |
| 30° | 87684  |
| 35° | 57447  |
| 40° | 34779  |
| 45° | 20777  |
| 50° | 12383  |
| 55° | 9978   |
| 60° | 8947   |
| 65° | 7679   |
| 70° | 7309   |
| 75° | 5761   |
| 80° | 5683   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20777 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.3  | 12.9      |
| 10°-20°   | 250.5  | 30.0      |
| 20°-30°   | 236.1  | 28.3      |
| 30°-40°   | 136.5  | 16.4      |
| 40°-50°   | 54.4   | 6.5       |
| 50°-60°   | 24.0   | 2.9       |
| 60°-70°   | 14.9   | 1.8       |
| 70°-80°   | 7.8    | 0.9       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 593.9  | 71.2      |
| 0°-40°    | 730.4  | 87.6      |
| 0°-60°    | 808.8  | 97.0      |
| 0°-90°    | 834.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 834.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1184 |      |
| 5°  | 1156 | 107  |
| 15° | 910  | 251  |
| 25° | 516  | 236  |
| 35° | 215  | 137  |
| 45° | 67   | 54   |
| 55° | 26   | 24   |
| 65° | 15   | 15   |
| 75° | 7    | 8    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1184.3 |
| 2.5°  | 1177.5 |
| 5°    | 1155.9 |
| 7.5°  | 1116.1 |
| 10°   | 1063.9 |
| 12.5° | 993.5  |
| 15°   | 909.5  |
| 17.5° | 815.3  |
| 20°   | 713.1  |
| 22.5° | 610.9  |
| 25°   | 515.5  |
| 27.5° | 426.9  |
| 30°   | 346.3  |
| 32.5° | 275.9  |
| 35°   | 214.6  |
| 37.5° | 162.4  |
| 40°   | 121.5  |
| 42.5° | 90.8   |
| 45°   | 67.0   |
| 47.5° | 48.8   |
| 50°   | 36.3   |
| 52.5° | 29.5   |
| 55°   | 26.1   |
| 57.5° | 23.8   |
| 60°   | 20.4   |
| 62.5° | 17.0   |
| 65°   | 14.8   |
| 67.5° | 12.5   |
| 70°   | 11.4   |
| 72.5° | 9.1    |
| 75°   | 6.8    |
| 77.5° | 5.7    |
| 80°   | 4.5    |
| 82.5° | 3.4    |
| 85°   | 2.3    |
| 87.5° | 1.1    |
| 90°   | 0.0    |

(END OF REPORT)