

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: P1247700

Luminaire Tested: P3A20R459024D010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R459024D010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

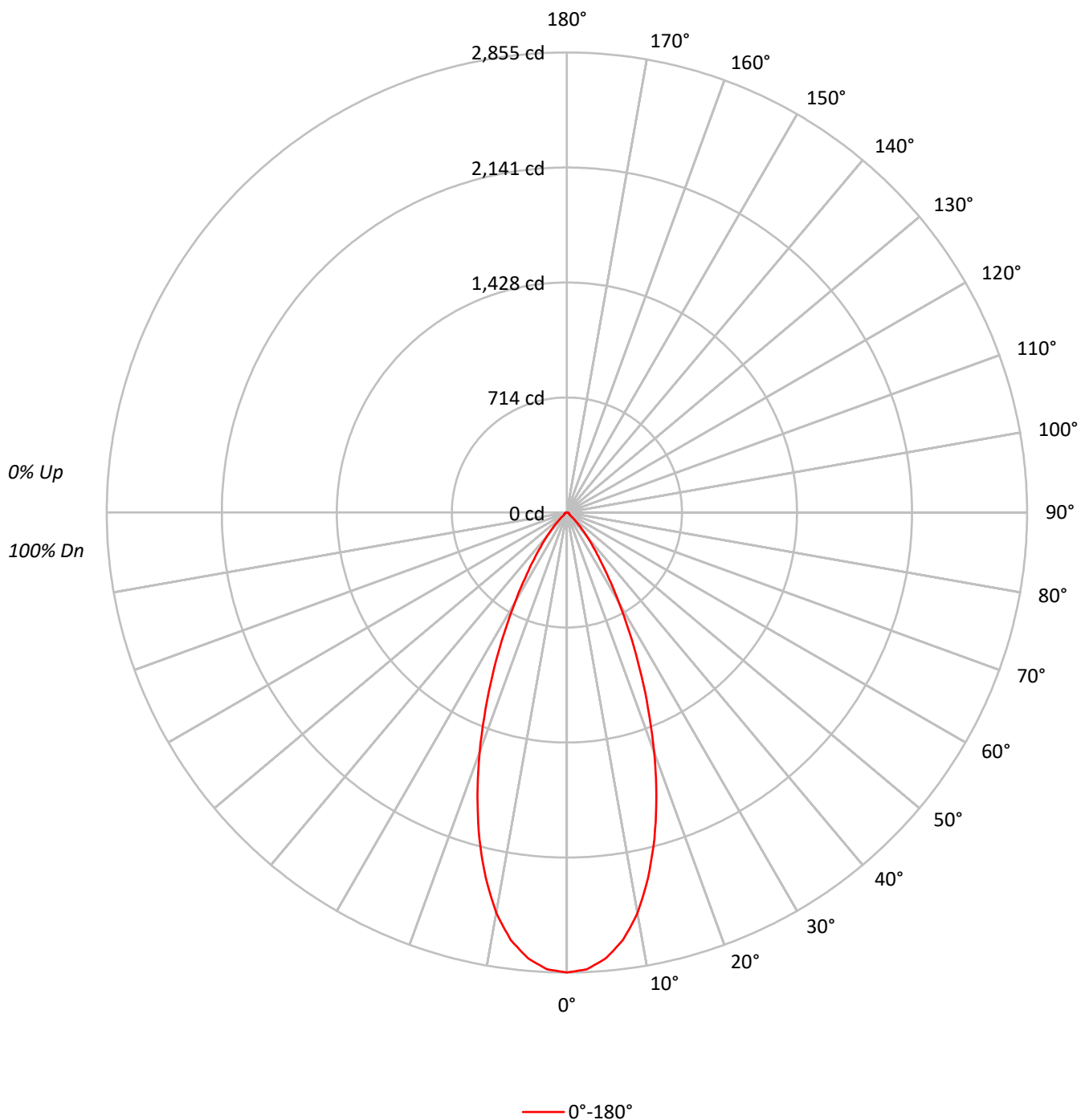
Lumens per Lamp: N/A  
Luminaire Lumens: 1667.0 lumens  
Efficiency: N/A  
Efficacy: 57.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 85  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 94  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 90  | 82  | 76  | 73  | 89  | 81  | 76  | 72  | 80  | 75  | 72  |  | 78  | 74  | 71  |  | 77  |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  |  | 75  | 71  | 67  |  | 74  |
| 8   | 83  | 74  | 68  | 65  | 82  | 73  | 68  | 64  | 72  | 68  | 64  |  | 71  | 67  | 64  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 62  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 65  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 626024 |
| 5°  | 611335 |
| 10° | 561980 |
| 15° | 476166 |
| 20° | 369445 |
| 25° | 258257 |
| 30° | 162683 |
| 35° | 95780  |
| 40° | 54187  |
| 45° | 26359  |
| 50° | 9143   |
| 55° | 7417   |
| 60° | 7192   |
| 65° | 6953   |
| 70° | 6668   |
| 75° | 6354   |
| 80° | 5683   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26359 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 257.1  | 15.4      |
| 10°-20°   | 576.0  | 34.6      |
| 20°-30°   | 489.1  | 29.3      |
| 30°-40°   | 233.3  | 14.0      |
| 40°-50°   | 70.3   | 4.2       |
| 50°-60°   | 17.8   | 1.1       |
| 60°-70°   | 13.3   | 0.8       |
| 70°-80°   | 7.9    | 0.5       |
| 80°-90°   | 2.2    | 0.1       |
| 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°    | 1322.2 | 79.3      |
| 0°-40°    | 1555.5 | 93.3      |
| 0°-60°    | 1643.6 | 98.6      |
| 0°-90°    | 1667.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1667.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2855 |      |
| 5°  | 2777 | 257  |
| 15° | 2098 | 576  |
| 25° | 1067 | 489  |
| 35° | 358  | 233  |
| 45° | 85   | 70   |
| 55° | 19   | 18   |
| 65° | 13   | 13   |
| 75° | 8    | 8    |
| 85° | 2    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2854.9 |
| 2.5°  | 2837.0 |
| 5°    | 2777.3 |
| 7.5°  | 2674.5 |
| 10°   | 2523.9 |
| 12.5° | 2324.1 |
| 15°   | 2097.5 |
| 17.5° | 1845.6 |
| 20°   | 1583.2 |
| 22.5° | 1316.4 |
| 25°   | 1067.4 |
| 27.5° | 840.8  |
| 30°   | 642.5  |
| 32.5° | 483.0  |
| 35°   | 357.8  |
| 37.5° | 263.9  |
| 40°   | 189.3  |
| 42.5° | 131.2  |
| 45°   | 85.0   |
| 47.5° | 47.7   |
| 50°   | 26.8   |
| 52.5° | 20.9   |
| 55°   | 19.4   |
| 57.5° | 17.9   |
| 60°   | 16.4   |
| 62.5° | 14.9   |
| 65°   | 13.4   |
| 67.5° | 11.9   |
| 70°   | 10.4   |
| 72.5° | 8.9    |
| 75°   | 7.5    |
| 77.5° | 6.0    |
| 80°   | 4.5    |
| 82.5° | 3.0    |
| 85°   | 1.5    |
| 87.5° | 1.5    |
| 90°   | 0.0    |

(END OF REPORT)