

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: P1263469

Luminaire Tested: P3A20R409727D010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1263469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R409727D010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

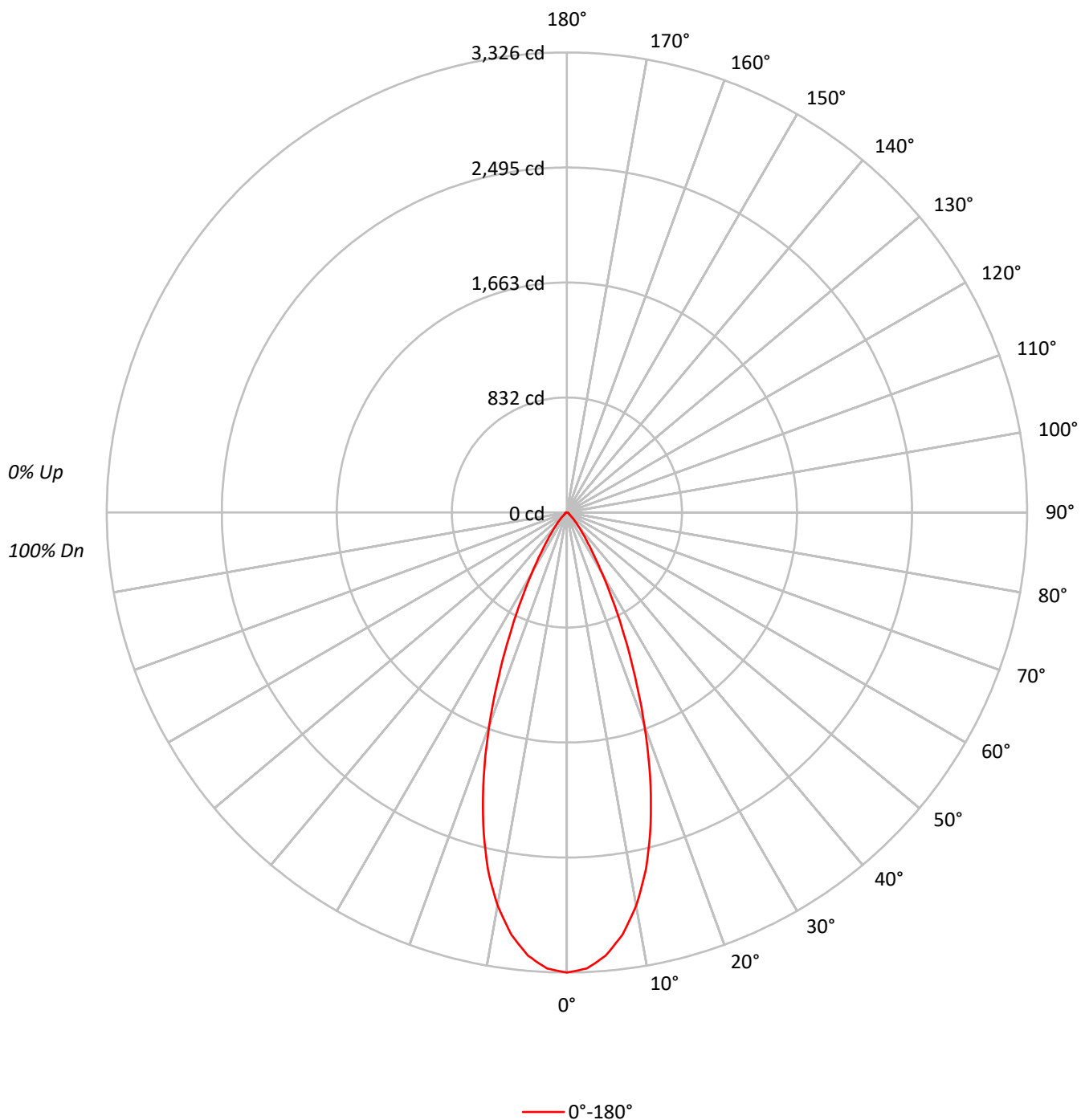
Lumens per Lamp: N/A  
Luminaire Lumens: 1648.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 85  | 98  | 92  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 76  | 71  | 68  | 84  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 64  |  | 70  |
| 10  | 78  | 70  | 65  | 62  | 78  | 70  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 729218 |
| 5°  | 708033 |
| 10° | 642518 |
| 15° | 530809 |
| 20° | 382887 |
| 25° | 236844 |
| 30° | 128222 |
| 35° | 66254  |
| 40° | 36039  |
| 45° | 20188  |
| 50° | 10132  |
| 55° | 7570   |
| 60° | 6842   |
| 65° | 6590   |
| 70° | 6347   |
| 75° | 6015   |
| 80° | 5304   |
| 85° | 3522   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20188 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 296.5  | 18.0      |
| 10°-20°   | 636.7  | 38.6      |
| 20°-30°   | 454.4  | 27.6      |
| 30°-40°   | 167.3  | 10.1      |
| 40°-50°   | 52.7   | 3.2       |
| 50°-60°   | 18.3   | 1.1       |
| 60°-70°   | 12.6   | 0.8       |
| 70°-80°   | 7.5    | 0.5       |
| 80°-90°   | 2.1    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1387.6 | 84.2      |
| 0°-40°    | 1554.8 | 94.3      |
| 0°-60°    | 1625.8 | 98.7      |
| 0°-90°    | 1648.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1648.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3326 |      |
| 5°  | 3217 | 297  |
| 15° | 2338 | 637  |
| 25° | 979  | 454  |
| 35° | 248  | 167  |
| 45° | 65   | 53   |
| 55° | 20   | 18   |
| 65° | 13   | 13   |
| 75° | 7    | 7    |
| 85° | 1    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3325.5 |
| 2.5°  | 3300.1 |
| 5°    | 3216.6 |
| 7.5°  | 3078.0 |
| 10°   | 2885.6 |
| 12.5° | 2640.9 |
| 15°   | 2338.2 |
| 17.5° | 1998.7 |
| 20°   | 1640.8 |
| 22.5° | 1288.6 |
| 25°   | 978.9  |
| 27.5° | 718.6  |
| 30°   | 506.4  |
| 32.5° | 355.0  |
| 35°   | 247.5  |
| 37.5° | 175.4  |
| 40°   | 125.9  |
| 42.5° | 90.5   |
| 45°   | 65.1   |
| 47.5° | 43.9   |
| 50°   | 29.7   |
| 52.5° | 21.2   |
| 55°   | 19.8   |
| 57.5° | 18.4   |
| 60°   | 15.6   |
| 62.5° | 14.1   |
| 65°   | 12.7   |
| 67.5° | 11.3   |
| 70°   | 9.9    |
| 72.5° | 8.5    |
| 75°   | 7.1    |
| 77.5° | 5.7    |
| 80°   | 4.2    |
| 82.5° | 2.8    |
| 85°   | 1.4    |
| 87.5° | 1.4    |
| 90°   | 0.0    |

(END OF REPORT)