

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: P1250382

Luminaire Tested: P3AS24R409027D010 E3DL1MW

Issue Date: 1/30/2026

**Test Information**

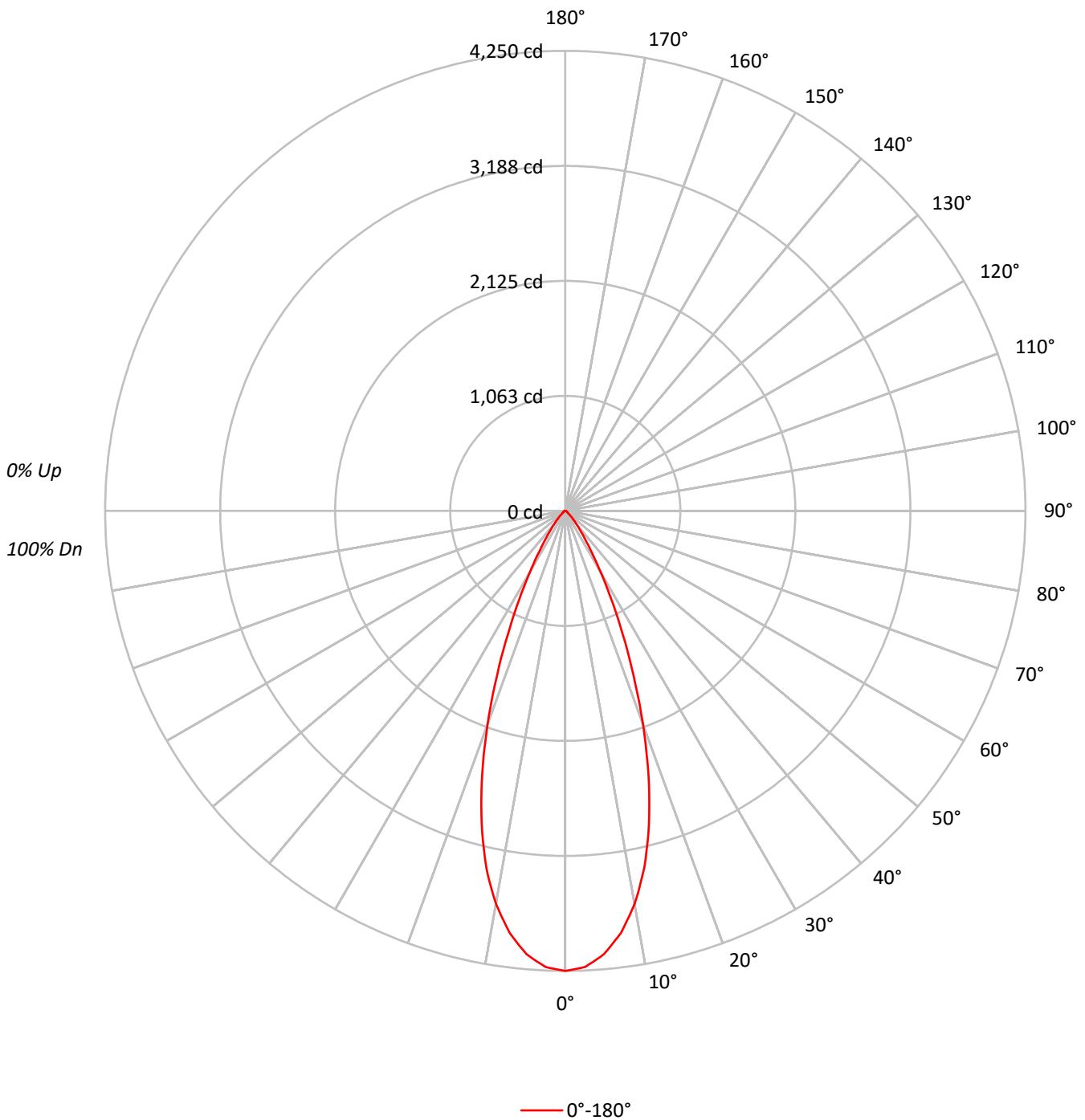
Test Method: LM-79-2019  
Report Number: P1250382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS24R409027D010 E3DL1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2106.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 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  |     |     | 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   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 94  | 94  | 94  | 94  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 92  | 91  | 89  | 89  | 89  | 89  |
| 3   | 104 | 99  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 84  | 84  | 84  | 84  |
| 4   | 100 | 93  | 88  | 85  | 98  | 92  | 88  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 84  | 81  | 80  | 80  | 80  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 88  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 83  | 80  | 77  | 76  | 76  | 76  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  | 72  | 72  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  | 69  | 69  | 69  |
| 8   | 85  | 76  | 71  | 68  | 84  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 67  | 65  | 65  | 65  | 65  |
| 9   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 64  | 63  | 63  | 63  | 63  |
| 10  | 78  | 70  | 65  | 62  | 78  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 64  | 61  | 60  | 60  | 60  | 60  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 931899 |
| 5°  | 904818 |
| 10° | 821094 |
| 15° | 678324 |
| 20° | 489319 |
| 25° | 302655 |
| 30° | 163848 |
| 35° | 84671  |
| 40° | 46058  |
| 45° | 25801  |
| 50° | 12963  |
| 55° | 9672   |
| 60° | 8727   |
| 65° | 8457   |
| 70° | 8142   |
| 75° | 7625   |
| 80° | 6819   |
| 85° | 4529   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25801 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 378.9  | 18.0      |
| 10°-20°   | 813.6  | 38.6      |
| 20°-30°   | 580.7  | 27.6      |
| 30°-40°   | 213.7  | 10.1      |
| 40°-50°   | 67.3   | 3.2       |
| 50°-60°   | 23.4   | 1.1       |
| 60°-70°   | 16.1   | 0.8       |
| 70°-80°   | 9.5    | 0.5       |
| 80°-90°   | 2.7    | 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°    | 1773.2 | 84.2      |
| 0°-40°    | 1986.9 | 94.3      |
| 0°-60°    | 2077.7 | 98.7      |
| 0°-90°    | 2106.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2106.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4250 |      |
| 5°  | 4111 | 379  |
| 15° | 2988 | 814  |
| 25° | 1251 | 581  |
| 35° | 316  | 214  |
| 45° | 83   | 67   |
| 55° | 25   | 23   |
| 65° | 16   | 16   |
| 75° | 9    | 10   |
| 85° | 2    | 3    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 4249.8 |
| 2.5°  | 4217.2 |
| 5°    | 4110.6 |
| 7.5°  | 3933.4 |
| 10°   | 3687.6 |
| 12.5° | 3374.9 |
| 15°   | 2988.0 |
| 17.5° | 2554.2 |
| 20°   | 2096.9 |
| 22.5° | 1646.8 |
| 25°   | 1250.9 |
| 27.5° | 918.3  |
| 30°   | 647.1  |
| 32.5° | 453.7  |
| 35°   | 316.3  |
| 37.5° | 224.1  |
| 40°   | 160.9  |
| 42.5° | 115.7  |
| 45°   | 83.2   |
| 47.5° | 56.0   |
| 50°   | 38.0   |
| 52.5° | 27.1   |
| 55°   | 25.3   |
| 57.5° | 23.5   |
| 60°   | 19.9   |
| 62.5° | 18.1   |
| 65°   | 16.3   |
| 67.5° | 14.5   |
| 70°   | 12.7   |
| 72.5° | 10.8   |
| 75°   | 9.0    |
| 77.5° | 7.2    |
| 80°   | 5.4    |
| 82.5° | 3.6    |
| 85°   | 1.8    |
| 87.5° | 1.8    |
| 90°   | 0.0    |

(END OF REPORT)