

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: P1245735

Luminaire Tested: P3AS02R359024DE010 E3PH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS02R359024DE010 E3PH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

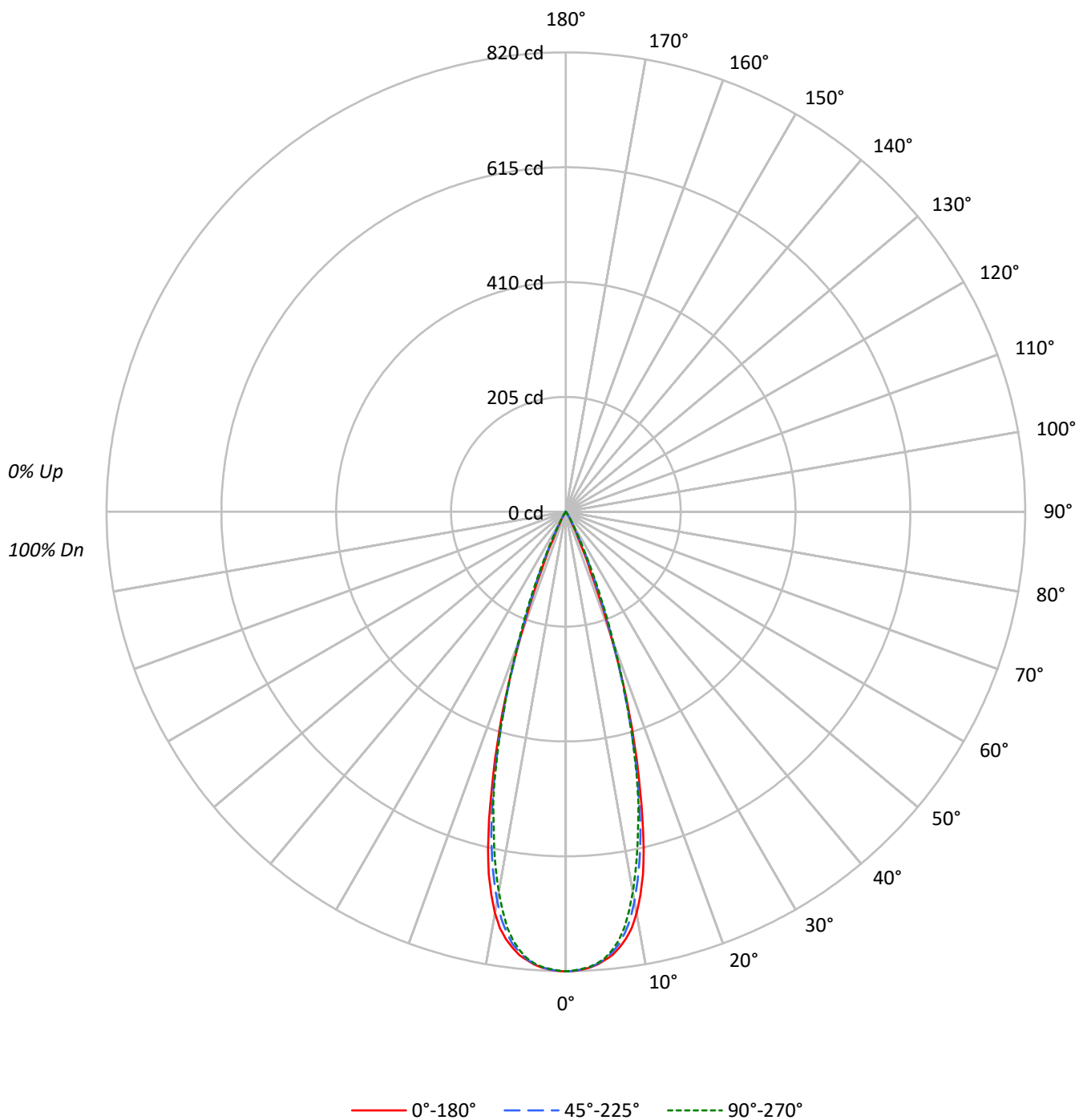
Lumens per Lamp: N/A  
Luminaire Lumens: 249.0 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

TEST NUMBER: P1245735

CATALOG NUMBER: P3AS02R359024DE010 E3PH1MW

### 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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 89 | 87 |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 87  | 85 | 82 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 83 | 81 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 80 | 77 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 79  | 77 | 75 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 76  | 74 | 73 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 74  | 72 | 70 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 72  | 70 | 68 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 179898 | 179898 | 179898 |
| 5°  | 176799 | 176425 | 176051 |
| 10° | 162032 | 157156 | 153348 |
| 15° | 116028 | 112328 | 110965 |
| 20° | 53811  | 55655  | 57615  |
| 25° | 12775  | 18170  | 18945  |
| 30° | 3747   | 4279   | 4836   |
| 35° | 857    | 1365   | 1258   |
| 40° | 172    | 372    | 258    |
| 45° | 62     | 62     | 62     |
| 50° | 68     | 0      | 68     |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 52.5°  
Luminance: 72 cd/sqm

TEST NUMBER: P1245735

CATALOG NUMBER: P3AS02R359024DE010 E3PH1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.7   | 29.6      |
| 10°-20°   | 131.7  | 52.9      |
| 20°-30°   | 39.6   | 15.9      |
| 30°-40°   | 3.8    | 1.5       |
| 40°-50°   | 0.2    | 0.1       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 244.9  | 98.4      |
| 0°-40°    | 248.7  | 99.9      |
| 0°-60°    | 249.0  | 100.0     |
| 0°-90°    | 249.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 249.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 820 | 820   | 820 | 820   | 820 |      |
| 5°  | 803 | 803   | 802 | 800   | 800 | 74   |
| 15° | 511 | 507   | 495 | 493   | 489 | 135  |
| 25° | 53  | 58    | 75  | 78    | 78  | 34   |
| 35° | 3   | 4     | 5   | 6     | 5   | 3    |
| 45° | 0   | 0     | 0   | 0     | 0   | 0    |
| 55° | 0   | 0     | 0   | 0     | 0   | 0    |
| 65° | 0   | 0     | 0   | 0     | 0   | 0    |
| 75° | 0   | 0     | 0   | 0     | 0   | 0    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1245735

CATALOG NUMBER: P3AS02R359024DE010 E3PH1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 820.4 | 820.4 | 820.4 | 820.4 | 820.4 |
| 1°    | 819.9 | 819.9 | 819.5 | 819.5 | 818.7 |
| 2°    | 818.0 | 818.2 | 817.4 | 817.2 | 816.5 |
| 3°    | 815.0 | 814.4 | 814.4 | 813.9 | 813.5 |
| 4°    | 810.3 | 809.0 | 808.6 | 808.8 | 807.9 |
| 5°    | 803.2 | 803.0 | 801.5 | 800.4 | 799.8 |
| 6°    | 795.5 | 794.0 | 790.8 | 788.0 | 787.3 |
| 7°    | 783.9 | 780.7 | 777.9 | 772.1 | 771.3 |
| 8°    | 769.8 | 764.6 | 758.6 | 750.4 | 750.0 |
| 9°    | 752.4 | 744.0 | 735.7 | 724.7 | 720.9 |
| 10°   | 727.7 | 720.0 | 705.8 | 696.2 | 688.7 |
| 11°   | 697.0 | 687.4 | 670.9 | 659.3 | 653.1 |
| 12°   | 662.3 | 653.3 | 634.0 | 623.5 | 614.7 |
| 13°   | 617.7 | 610.2 | 592.2 | 580.6 | 573.7 |
| 14°   | 566.0 | 560.4 | 543.3 | 538.1 | 535.8 |
| 15°   | 511.1 | 507.2 | 494.8 | 492.7 | 488.8 |
| 17.5° | 376.2 | 369.8 | 362.7 | 364.0 | 365.3 |
| 20°   | 230.6 | 239.6 | 238.5 | 243.2 | 246.9 |
| 22.5° | 115.0 | 126.5 | 140.1 | 148.2 | 152.3 |
| 25°   | 52.8  | 58.1  | 75.1  | 78.3  | 78.3  |
| 27.5° | 26.6  | 27.9  | 35.4  | 36.0  | 37.7  |
| 30°   | 14.8  | 15.9  | 16.9  | 18.9  | 19.1  |
| 32.5° | 7.5   | 8.8   | 9.2   | 10.3  | 9.9   |
| 35°   | 3.2   | 4.3   | 5.1   | 5.6   | 4.7   |
| 37.5° | 1.5   | 1.9   | 2.8   | 2.6   | 1.9   |
| 40°   | 0.6   | 0.9   | 1.3   | 1.1   | 0.9   |
| 42.5° | 0.4   | 0.4   | 0.6   | 0.4   | 0.4   |
| 45°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 47.5° | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   |
| 50°   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 52.5° | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1245735

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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)