

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: P1300574

Luminaire Tested: P3A17R35W2N902750DE010 E3PHLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

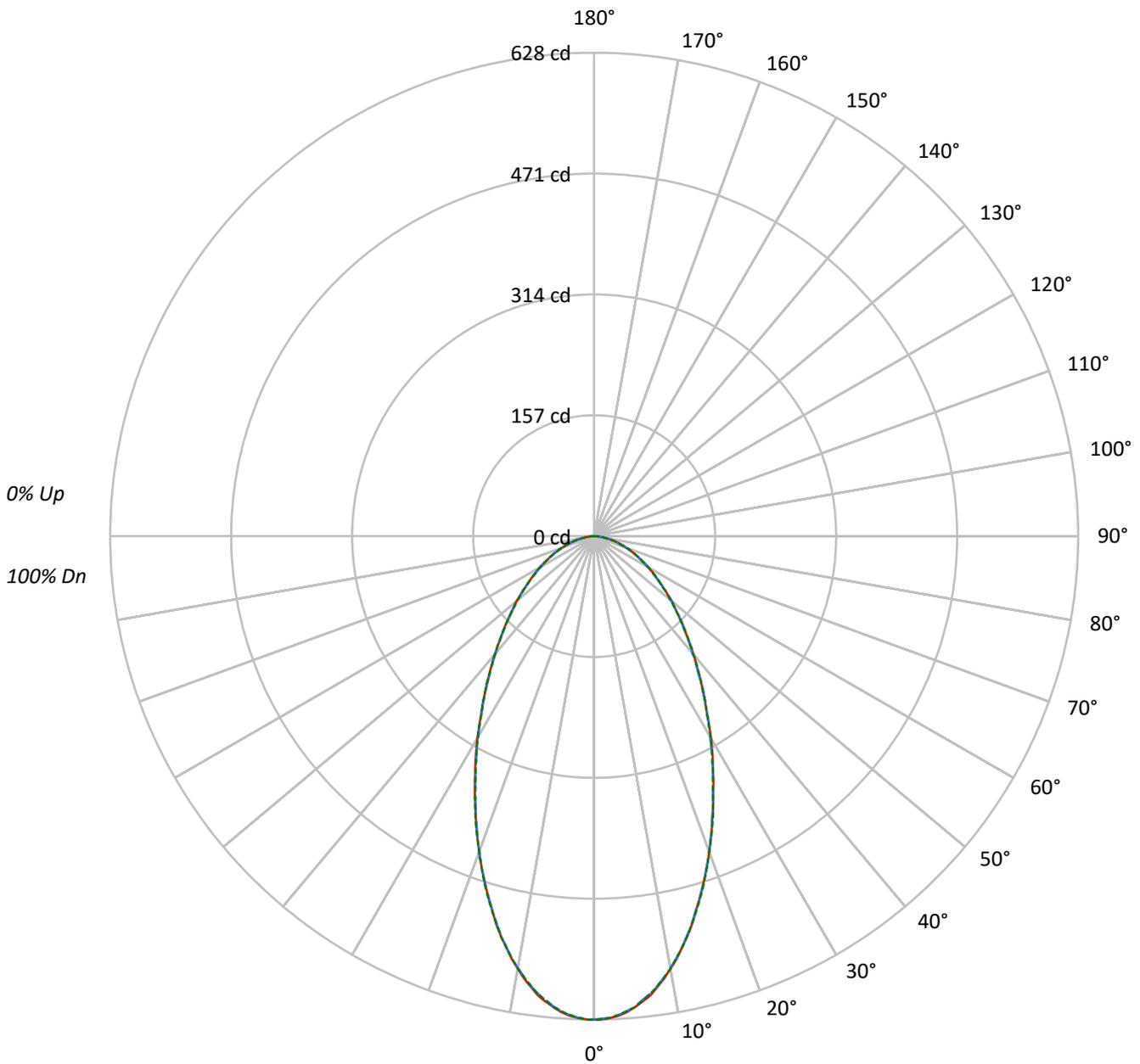
Test Method: LM-79-2019  
Report Number: P1300574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3PHLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 839.0 lumens  
Efficiency: N/A  
Efficacy: 43.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 84  | 81  | 79  | 77  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 44  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 44  | 39  | 48  | 43  | 39  | 38  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 45  | 40  | 36  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 137708 | 137708 | 137708 |
| 5°  | 135131 | 134911 | 135131 |
| 10° | 127052 | 126829 | 127052 |
| 15° | 115052 | 115052 | 115279 |
| 20° | 101836 | 101836 | 101836 |
| 25° | 88554  | 88287  | 88287  |
| 30° | 76771  | 76214  | 76493  |
| 35° | 66093  | 65799  | 66093  |
| 40° | 57336  | 57021  | 57336  |
| 45° | 50362  | 50021  | 50021  |
| 50° | 44689  | 44314  | 44314  |
| 55° | 39339  | 39339  | 39339  |
| 60° | 35611  | 35129  | 35611  |
| 65° | 32014  | 32014  | 32014  |
| 70° | 28466  | 28466  | 28466  |
| 75° | 25671  | 24739  | 25671  |
| 80° | 21846  | 21846  | 21846  |
| 85° | 13586  | 13586  | 13586  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 50362 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.1   | 6.8       |
| 10°-20°   | 141.4  | 16.8      |
| 20°-30°   | 168.0  | 20.0      |
| 30°-40°   | 154.4  | 18.4      |
| 40°-50°   | 125.3  | 14.9      |
| 50°-60°   | 92.7   | 11.1      |
| 60°-70°   | 61.3   | 7.3       |
| 70°-80°   | 31.7   | 3.8       |
| 80°-90°   | 7.1    | 0.8       |
| 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°    | 366.4  | 43.7      |
| 0°-40°    | 520.8  | 62.1      |
| 0°-60°    | 738.8  | 88.1      |
| 0°-90°    | 839.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 839.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 628 | 628   | 628 | 628   | 628 |      |
| 5°  | 614 | 613   | 613 | 613   | 614 | 57   |
| 15° | 507 | 507   | 507 | 507   | 508 | 141  |
| 25° | 366 | 365   | 365 | 366   | 365 | 168  |
| 35° | 247 | 246   | 246 | 247   | 247 | 155  |
| 45° | 162 | 161   | 161 | 161   | 161 | 126  |
| 55° | 103 | 103   | 103 | 103   | 103 | 93   |
| 65° | 62  | 62    | 62  | 62    | 62  | 61   |
| 75° | 30  | 30    | 29  | 30    | 30  | 32   |
| 85° | 5   | 5     | 5   | 5     | 5   | 7    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 628.0 | 628.0 | 628.0 | 628.0 | 628.0 |
| 1°    | 628.0 | 626.9 | 626.9 | 626.9 | 628.0 |
| 2°    | 625.9 | 625.9 | 625.9 | 625.9 | 625.9 |
| 3°    | 623.7 | 622.6 | 622.6 | 622.6 | 622.6 |
| 4°    | 619.4 | 618.3 | 618.3 | 618.3 | 618.3 |
| 5°    | 613.9 | 612.9 | 612.9 | 612.9 | 613.9 |
| 6°    | 607.5 | 606.4 | 605.3 | 605.3 | 606.4 |
| 7°    | 601.0 | 598.8 | 598.8 | 598.8 | 598.8 |
| 8°    | 591.2 | 590.1 | 590.1 | 590.1 | 590.1 |
| 9°    | 581.5 | 579.3 | 580.4 | 580.4 | 580.4 |
| 10°   | 570.6 | 569.6 | 569.6 | 569.6 | 570.6 |
| 11°   | 559.8 | 558.7 | 558.7 | 557.6 | 558.7 |
| 12°   | 546.8 | 546.8 | 546.8 | 546.8 | 546.8 |
| 13°   | 534.9 | 533.8 | 533.8 | 533.8 | 534.9 |
| 14°   | 521.9 | 520.8 | 520.8 | 520.8 | 520.8 |
| 15°   | 506.8 | 506.8 | 506.8 | 506.8 | 507.8 |
| 17.5° | 472.1 | 471.0 | 472.1 | 472.1 | 473.2 |
| 20°   | 436.4 | 435.3 | 436.4 | 436.4 | 436.4 |
| 22.5° | 400.6 | 400.6 | 399.6 | 400.6 | 401.7 |
| 25°   | 366.0 | 364.9 | 364.9 | 366.0 | 364.9 |
| 27.5° | 333.5 | 332.4 | 332.4 | 332.4 | 332.4 |
| 30°   | 303.2 | 301.0 | 301.0 | 302.1 | 302.1 |
| 32.5° | 271.8 | 271.8 | 272.9 | 271.8 | 271.8 |
| 35°   | 246.9 | 245.8 | 245.8 | 246.9 | 246.9 |
| 37.5° | 222.0 | 220.9 | 220.9 | 222.0 | 222.0 |
| 40°   | 200.3 | 200.3 | 199.2 | 200.3 | 200.3 |
| 42.5° | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 |
| 45°   | 162.4 | 161.3 | 161.3 | 161.3 | 161.3 |
| 47.5° | 145.1 | 145.1 | 145.1 | 144.0 | 145.1 |
| 50°   | 131.0 | 129.9 | 129.9 | 129.9 | 129.9 |
| 52.5° | 115.9 | 115.9 | 115.9 | 115.9 | 115.9 |
| 55°   | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 |
| 57.5° | 92.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 60°   | 81.2  | 81.2  | 80.1  | 81.2  | 81.2  |
| 62.5° | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| 65°   | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| 67.5° | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| 70°   | 44.4  | 44.4  | 44.4  | 44.4  | 44.4  |
| 72.5° | 37.9  | 36.8  | 36.8  | 36.8  | 36.8  |
| 75°   | 30.3  | 30.3  | 29.2  | 30.3  | 30.3  |
| 77.5° | 22.7  | 22.7  | 22.7  | 22.7  | 22.7  |
| 80°   | 17.3  | 17.3  | 17.3  | 16.2  | 17.3  |
| 82.5° | 10.8  | 10.8  | 10.8  | 10.8  | 10.8  |
| 85°   | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   |
| 87.5° | 1.1   | 1.1   | 1.1   | 2.2   | 2.2   |



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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)