

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: P1296783

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLD1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1296783  
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: P3A13R35W2N902750DE010 E3PHLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

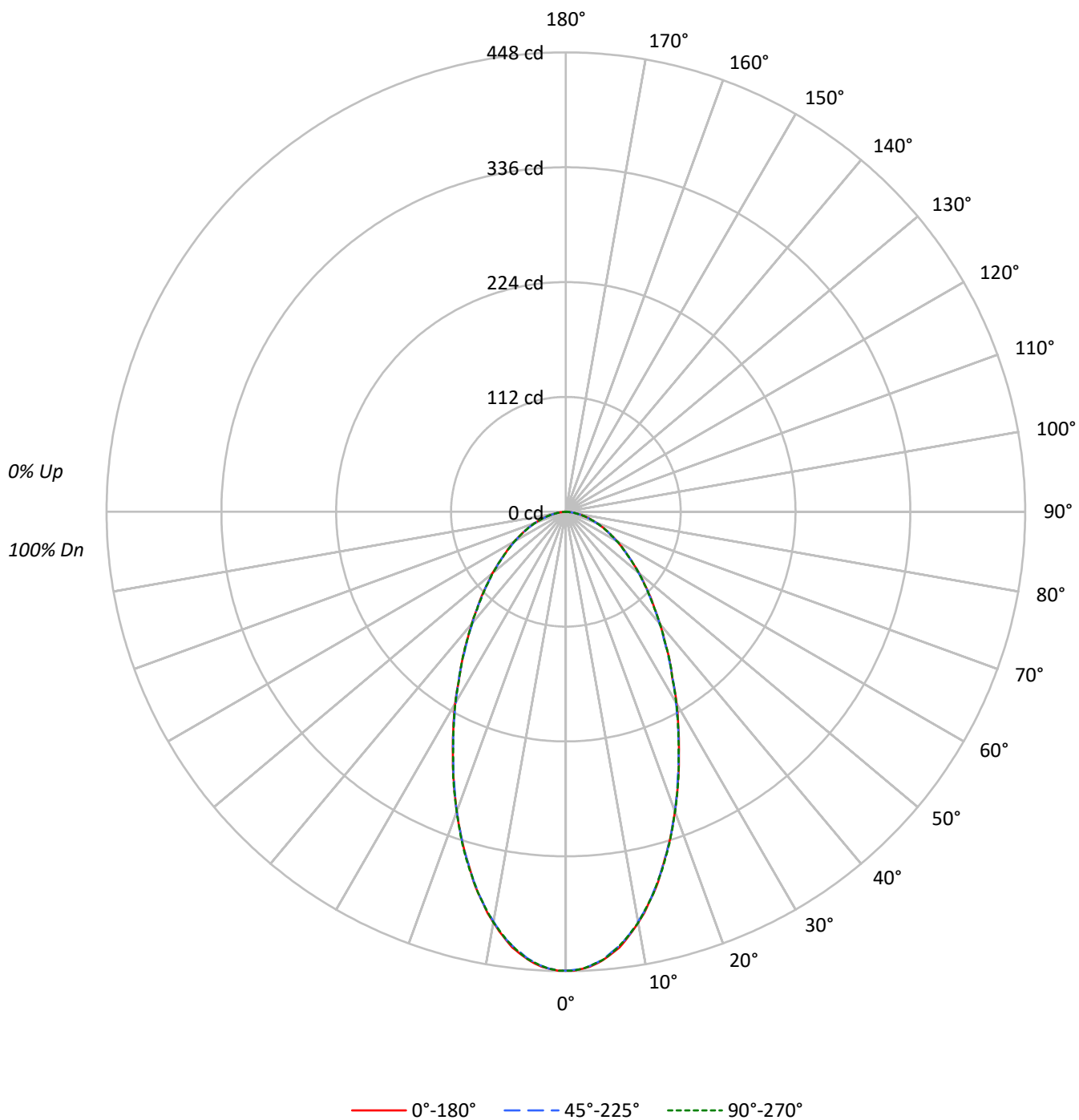
Lumens per Lamp: N/A  
Luminaire Lumens: 598.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  | 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°  | 98150 | 98150 | 98150 |
| 5°  | 96324 | 96148 | 96324 |
| 10° | 90557 | 90401 | 90557 |
| 15° | 81998 | 81998 | 82180 |
| 20° | 72573 | 72573 | 72573 |
| 25° | 63125 | 62931 | 62931 |
| 30° | 54717 | 54337 | 54515 |
| 35° | 47114 | 46900 | 47114 |
| 40° | 40877 | 40648 | 40877 |
| 45° | 35911 | 35663 | 35663 |
| 50° | 31862 | 31590 | 31590 |
| 55° | 28023 | 28023 | 28023 |
| 60° | 25393 | 25042 | 25393 |
| 65° | 22830 | 22830 | 22830 |
| 70° | 20260 | 20260 | 20260 |
| 75° | 18300 | 17622 | 18300 |
| 80° | 15532 | 15532 | 15532 |
| 85° | 9812  | 9812  | 9812  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35911 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.7   | 6.8       |
| 10°-20°   | 100.8  | 16.8      |
| 20°-30°   | 119.7  | 20.0      |
| 30°-40°   | 110.0  | 18.4      |
| 40°-50°   | 89.3   | 14.9      |
| 50°-60°   | 66.1   | 11.1      |
| 60°-70°   | 43.7   | 7.3       |
| 70°-80°   | 22.6   | 3.8       |
| 80°-90°   | 5.1    | 0.9       |
| 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°    | 261.2  | 43.7      |
| 0°-40°    | 371.2  | 62.1      |
| 0°-60°    | 526.6  | 88.1      |
| 0°-90°    | 598.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 598.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 448 | 448   | 448 | 448   | 448 |      |
| 5°  | 438 | 437   | 437 | 437   | 438 | 41   |
| 15° | 361 | 361   | 361 | 361   | 362 | 101  |
| 25° | 261 | 260   | 260 | 261   | 260 | 120  |
| 35° | 176 | 175   | 175 | 176   | 176 | 110  |
| 45° | 116 | 115   | 115 | 115   | 115 | 90   |
| 55° | 73  | 73    | 73  | 73    | 73  | 66   |
| 65° | 44  | 44    | 44  | 44    | 44  | 44   |
| 75° | 22  | 22    | 21  | 22    | 22  | 23   |
| 85° | 4   | 4     | 4   | 4     | 4   | 5    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 447.6 | 447.6 | 447.6 | 447.6 | 447.6 |
| 1°    | 447.6 | 446.9 | 446.9 | 446.9 | 447.6 |
| 2°    | 446.1 | 446.1 | 446.1 | 446.1 | 446.1 |
| 3°    | 444.5 | 443.8 | 443.8 | 443.8 | 443.8 |
| 4°    | 441.5 | 440.7 | 440.7 | 440.7 | 440.7 |
| 5°    | 437.6 | 436.8 | 436.8 | 436.8 | 437.6 |
| 6°    | 433.0 | 432.2 | 431.4 | 431.4 | 432.2 |
| 7°    | 428.3 | 426.8 | 426.8 | 426.8 | 426.8 |
| 8°    | 421.4 | 420.6 | 420.6 | 420.6 | 420.6 |
| 9°    | 414.4 | 412.9 | 413.7 | 413.7 | 413.7 |
| 10°   | 406.7 | 406.0 | 406.0 | 406.0 | 406.7 |
| 11°   | 399.0 | 398.2 | 398.2 | 397.5 | 398.2 |
| 12°   | 389.7 | 389.7 | 389.7 | 389.7 | 389.7 |
| 13°   | 381.3 | 380.5 | 380.5 | 380.5 | 381.3 |
| 14°   | 372.0 | 371.2 | 371.2 | 371.2 | 371.2 |
| 15°   | 361.2 | 361.2 | 361.2 | 361.2 | 362.0 |
| 17.5° | 336.5 | 335.7 | 336.5 | 336.5 | 337.3 |
| 20°   | 311.0 | 310.3 | 311.0 | 311.0 | 311.0 |
| 22.5° | 285.6 | 285.6 | 284.8 | 285.6 | 286.3 |
| 25°   | 260.9 | 260.1 | 260.1 | 260.9 | 260.1 |
| 27.5° | 237.7 | 236.9 | 236.9 | 236.9 | 236.9 |
| 30°   | 216.1 | 214.6 | 214.6 | 215.3 | 215.3 |
| 32.5° | 193.7 | 193.7 | 194.5 | 193.7 | 193.7 |
| 35°   | 176.0 | 175.2 | 175.2 | 176.0 | 176.0 |
| 37.5° | 158.2 | 157.4 | 157.4 | 158.2 | 158.2 |
| 40°   | 142.8 | 142.8 | 142.0 | 142.8 | 142.8 |
| 42.5° | 128.1 | 128.1 | 128.1 | 128.1 | 128.1 |
| 45°   | 115.8 | 115.0 | 115.0 | 115.0 | 115.0 |
| 47.5° | 103.4 | 103.4 | 103.4 | 102.6 | 103.4 |
| 50°   | 93.4  | 92.6  | 92.6  | 92.6  | 92.6  |
| 52.5° | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  |
| 55°   | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  |
| 57.5° | 65.6  | 64.8  | 64.8  | 64.8  | 64.8  |
| 60°   | 57.9  | 57.9  | 57.1  | 57.9  | 57.9  |
| 62.5° | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  |
| 65°   | 44.0  | 44.0  | 44.0  | 44.0  | 44.0  |
| 67.5° | 37.8  | 37.8  | 37.8  | 37.8  | 37.8  |
| 70°   | 31.6  | 31.6  | 31.6  | 31.6  | 31.6  |
| 72.5° | 27.0  | 26.2  | 26.2  | 26.2  | 26.2  |
| 75°   | 21.6  | 21.6  | 20.8  | 21.6  | 21.6  |
| 77.5° | 16.2  | 16.2  | 16.2  | 16.2  | 16.2  |
| 80°   | 12.3  | 12.3  | 12.3  | 11.6  | 12.3  |
| 82.5° | 7.7   | 7.7   | 7.7   | 7.7   | 7.7   |
| 85°   | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 87.5° | 0.8   | 0.8   | 0.8   | 1.5   | 1.5   |



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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)