

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: P1291670

Luminaire Tested: P3A09R15W2N902750DE010 E3PHLP1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R15W2N902750DE010 E3PHLP1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

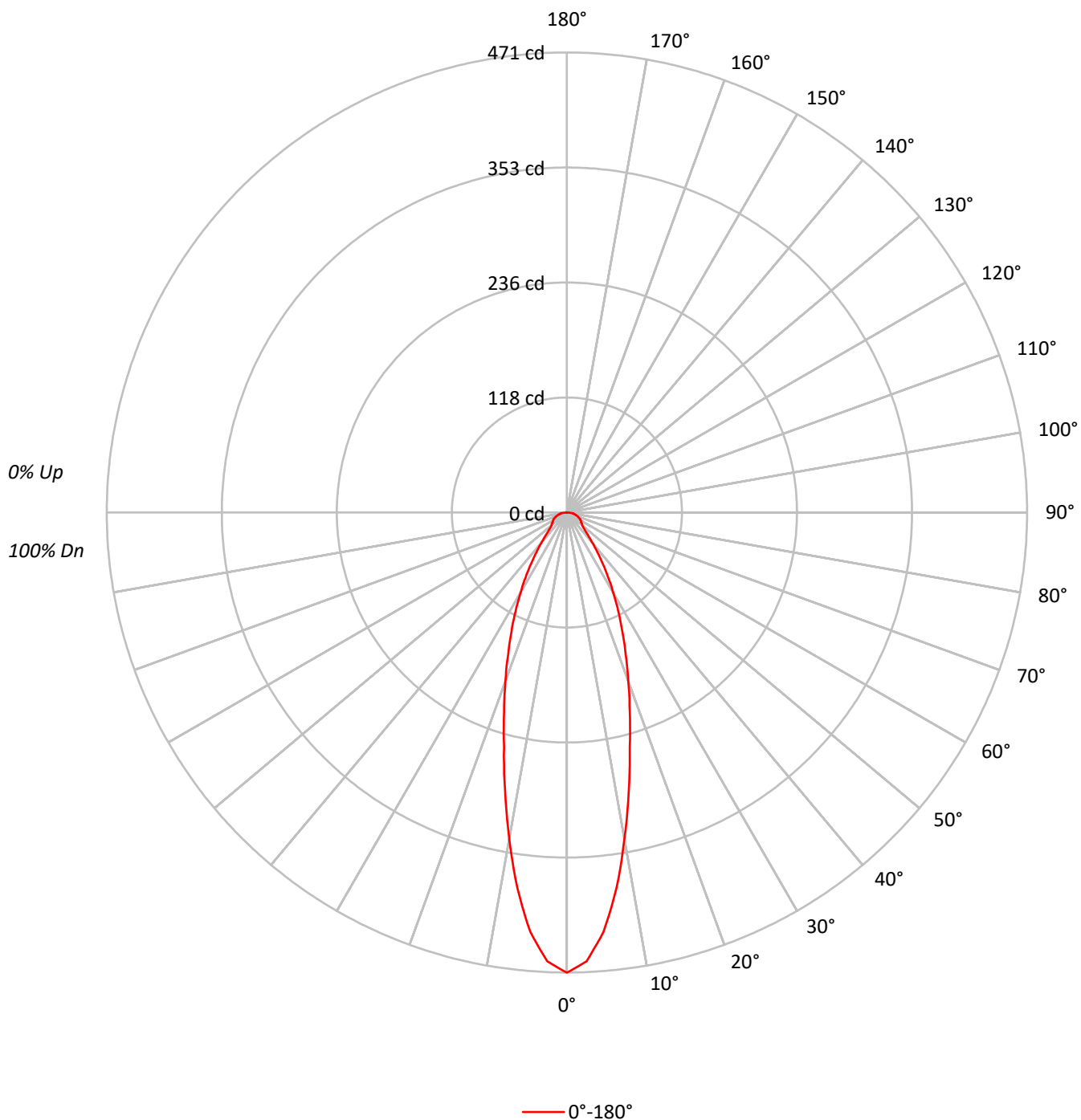
Lumens per Lamp: N/A  
Luminaire Lumens: 276.0 lumens  
Efficiency: N/A  
Efficacy: 30.7 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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  |     |    |    | 20 |  |  |  | 20 |  |  |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    |    | 0  |  |  |  | 0  |  |  |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0  |  |  |  | 0  |  |  |  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |  |  |  |    |  |  |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |  |  |  |    |  |  |  | 100 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 95  | 93  | 92  | 90  |    |    |    |  |  |  |    |  |  |  | 90  |
| 2   | 105 | 99  | 94  | 90  | 102 | 97  | 92  | 89  | 94  | 90  | 87  | 91  | 87  | 85  | 88  | 85  | 83  | 81  |    |    |    |  |  |  |    |  |  |  | 81  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |    |  |  |  |    |  |  |  | 74  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  | 79  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |    |  |  |  |    |  |  |  | 68  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |    |  |  |  |    |  |  |  | 63  |
| 6   | 83  | 73  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 65  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 59  |    |    |    |  |  |  |    |  |  |  | 59  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |    |  |  |  |    |  |  |  | 55  |
| 8   | 75  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52  |    |    |    |  |  |  |    |  |  |  | 52  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 58  | 54  | 50  | 49  |    |    |    |  |  |  |    |  |  |  | 49  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 56  | 51  | 48  | 46  |    |    |    |  |  |  |    |  |  |  | 46  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 103303 |
| 5°  | 94849  |
| 10° | 75572  |
| 15° | 56482  |
| 20° | 42890  |
| 25° | 32470  |
| 30° | 24029  |
| 35° | 17159  |
| 40° | 11736  |
| 45° | 8218   |
| 50° | 6993   |
| 55° | 6881   |
| 60° | 7105   |
| 65° | 7524   |
| 70° | 7694   |
| 75° | 7964   |
| 80° | 8587   |
| 85° | 8554   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 10080 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.2   | 13.8      |
| 10°-20°   | 69.8   | 25.3      |
| 20°-30°   | 61.8   | 22.4      |
| 30°-40°   | 40.5   | 14.7      |
| 40°-50°   | 21.6   | 7.8       |
| 50°-60°   | 16.4   | 5.9       |
| 60°-70°   | 14.1   | 5.1       |
| 70°-80°   | 9.7    | 3.5       |
| 80°-90°   | 3.9    | 1.4       |
| 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°    | 169.8  | 61.5      |
| 0°-40°    | 210.3  | 76.2      |
| 0°-60°    | 248.3  | 90.0      |
| 0°-90°    | 276.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 276.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 471 |      |
| 5°  | 431 | 38   |
| 15° | 249 | 70   |
| 25° | 134 | 62   |
| 35° | 64  | 40   |
| 45° | 26  | 22   |
| 55° | 18  | 16   |
| 65° | 14  | 14   |
| 75° | 9   | 10   |
| 85° | 3   | 4    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 471.1 |
| 2.5°  | 460.0 |
| 5°    | 430.9 |
| 7.5°  | 388.2 |
| 10°   | 339.4 |
| 12.5° | 292.4 |
| 15°   | 248.8 |
| 17.5° | 213.7 |
| 20°   | 183.8 |
| 22.5° | 157.3 |
| 25°   | 134.2 |
| 27.5° | 113.7 |
| 30°   | 94.9  |
| 32.5° | 78.7  |
| 35°   | 64.1  |
| 37.5° | 51.3  |
| 40°   | 41.0  |
| 42.5° | 32.5  |
| 45°   | 26.5  |
| 47.5° | 23.1  |
| 50°   | 20.5  |
| 52.5° | 19.7  |
| 55°   | 18.0  |
| 57.5° | 17.1  |
| 60°   | 16.2  |
| 62.5° | 15.4  |
| 65°   | 14.5  |
| 67.5° | 12.8  |
| 70°   | 12.0  |
| 72.5° | 10.3  |
| 75°   | 9.4   |
| 77.5° | 7.7   |
| 80°   | 6.8   |
| 82.5° | 6.0   |
| 85°   | 3.4   |
| 87.5° | 1.7   |
| 90°   | 0.0   |

(END OF REPORT)