

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: P1291863

Luminaire Tested: P3A09R15W2N902765DE010 E3PHLP1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291863  
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: P3A09R15W2N902765DE010 E3PHLP1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 6500K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

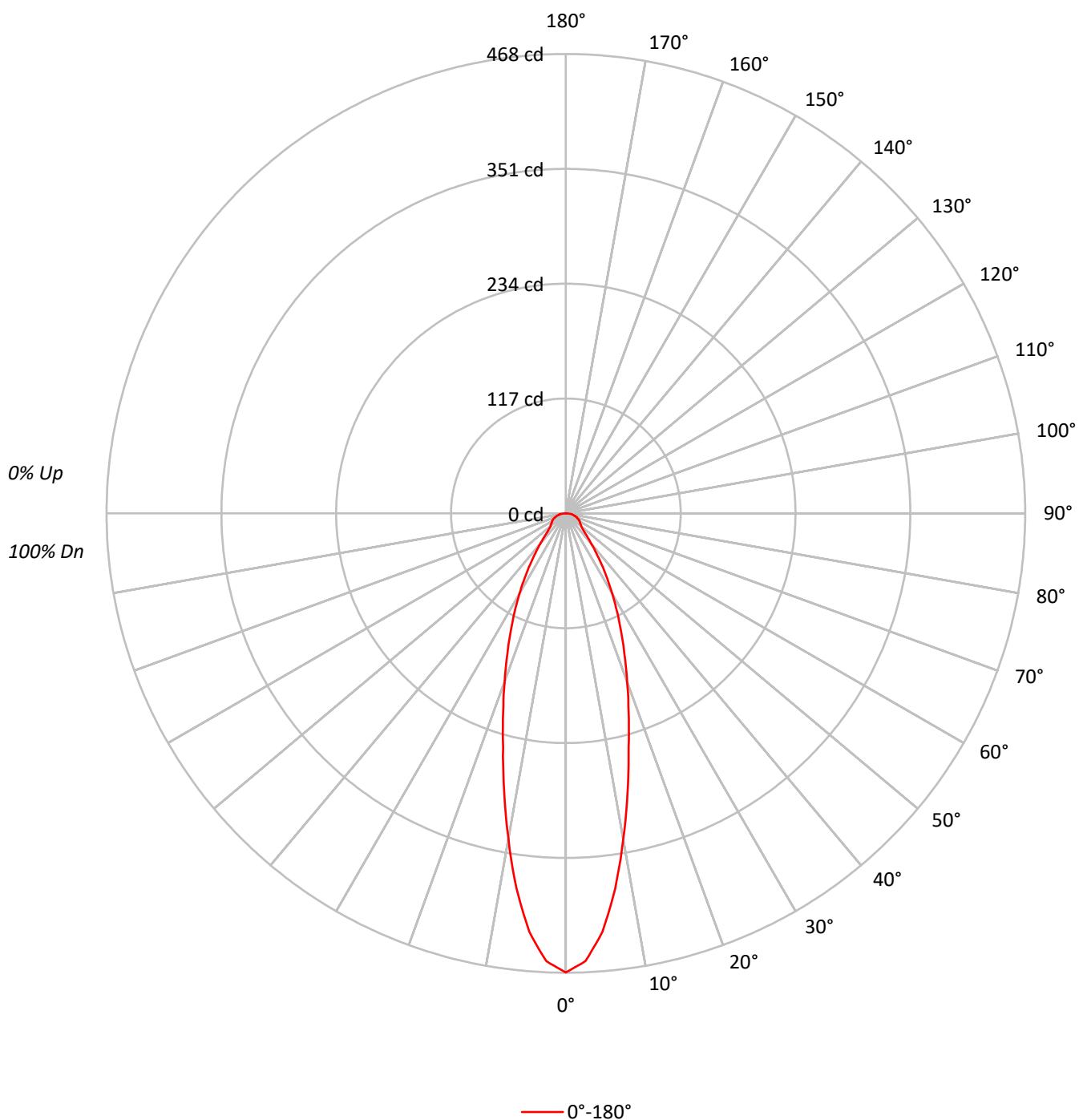
Lumens per Lamp: N/A  
Luminaire Lumens: 274.0 lumens  
Efficiency: N/A  
Efficacy: 30.4 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 102558 |
| 5°  | 94167  |
| 10° | 75038  |
| 15° | 56073  |
| 20° | 42587  |
| 25° | 32252  |
| 30° | 23852  |
| 35° | 17052  |
| 40° | 11650  |
| 45° | 8156   |
| 50° | 6959   |
| 55° | 6805   |
| 60° | 7061   |
| 65° | 7472   |
| 70° | 7629   |
| 75° | 7879   |
| 80° | 8587   |
| 85° | 8554   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 82.5°  
Luminance: 9912 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.9   | 13.8      |
| 10°-20°   | 69.3   | 25.3      |
| 20°-30°   | 61.4   | 22.4      |
| 30°-40°   | 40.2   | 14.7      |
| 40°-50°   | 21.5   | 7.8       |
| 50°-60°   | 16.2   | 5.9       |
| 60°-70°   | 14.0   | 5.1       |
| 70°-80°   | 9.6    | 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°    | 168.6  | 61.5      |
| 0°-40°    | 208.8  | 76.2      |
| 0°-60°    | 246.5  | 90.0      |
| 0°-90°    | 274.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 274.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 468 |      |
| 5°  | 428 | 38   |
| 15° | 247 | 69   |
| 25° | 133 | 61   |
| 35° | 64  | 40   |
| 45° | 26  | 21   |
| 55° | 18  | 16   |
| 65° | 14  | 14   |
| 75° | 9   | 10   |
| 85° | 3   | 4    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 467.7 |
| 2.5°  | 456.6 |
| 5°    | 427.8 |
| 7.5°  | 385.3 |
| 10°   | 337.0 |
| 12.5° | 290.3 |
| 15°   | 247.0 |
| 17.5° | 212.2 |
| 20°   | 182.5 |
| 22.5° | 156.2 |
| 25°   | 133.3 |
| 27.5° | 112.9 |
| 30°   | 94.2  |
| 32.5° | 78.1  |
| 35°   | 63.7  |
| 37.5° | 50.9  |
| 40°   | 40.7  |
| 42.5° | 32.3  |
| 45°   | 26.3  |
| 47.5° | 22.9  |
| 50°   | 20.4  |
| 52.5° | 19.5  |
| 55°   | 17.8  |
| 57.5° | 17.0  |
| 60°   | 16.1  |
| 62.5° | 15.3  |
| 65°   | 14.4  |
| 67.5° | 12.7  |
| 70°   | 11.9  |
| 72.5° | 10.2  |
| 75°   | 9.3   |
| 77.5° | 7.6   |
| 80°   | 6.8   |
| 82.5° | 5.9   |
| 85°   | 3.4   |
| 87.5° | 1.7   |
| 90°   | 0.0   |

(END OF REPORT)