

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: P1296456

Luminaire Tested: P3A13R30W2N902750DE010 E3PHLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1296456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R30W2N902750DE010 E3PHLP1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

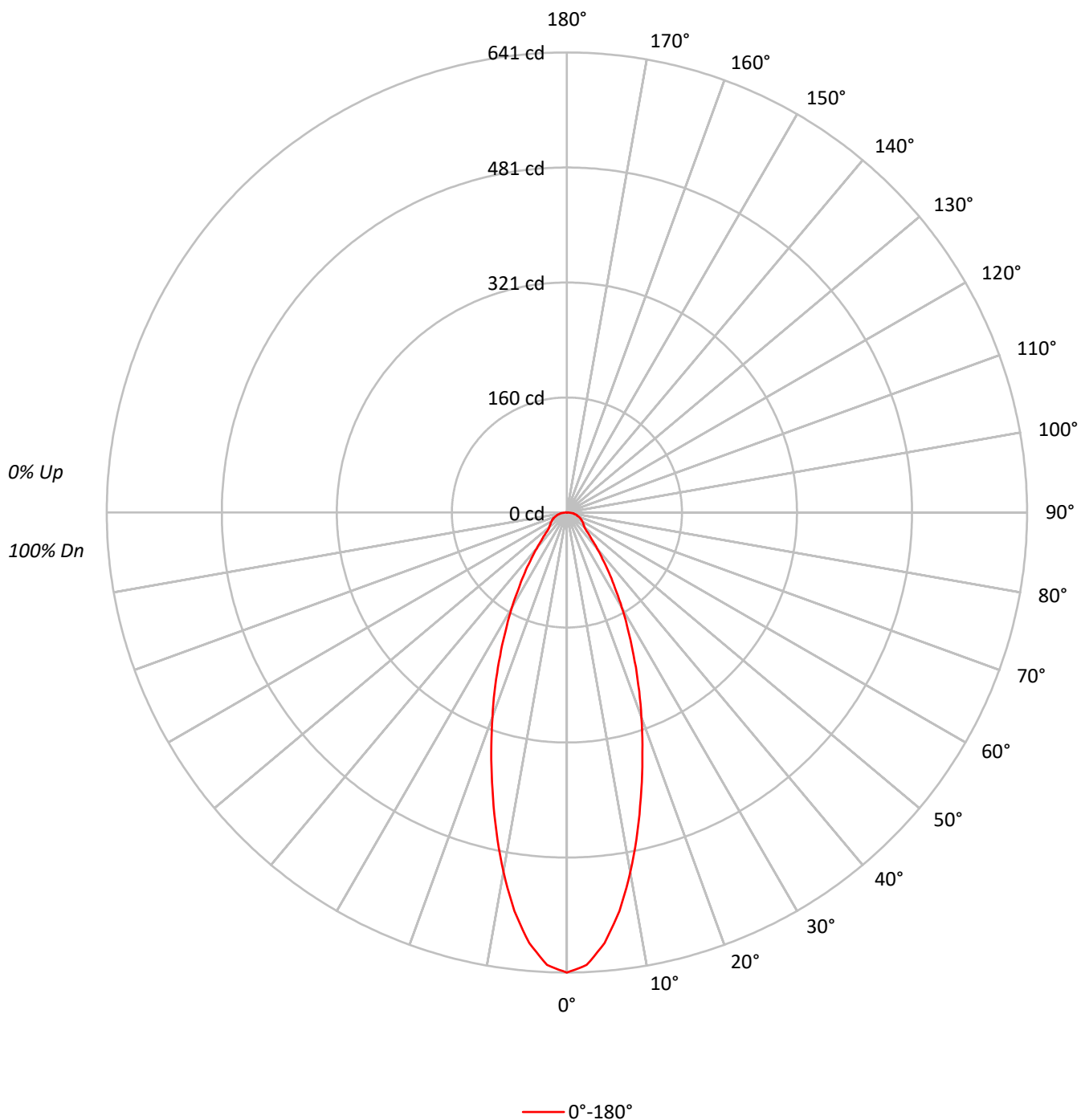
Lumens per Lamp: N/A  
Luminaire Lumens: 433.0 lumens  
Efficiency: N/A  
Efficacy: 35.2 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  |  | 98  | 96  | 94  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 85  |  | 88  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  |  | 79  | 74  | 71  |  | 77  |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 6   | 83  | 73  | 67  | 62  | 82  | 72  | 66  | 62  | 71  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 66  | 60  | 57  |  | 64  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 54  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 10  | 68  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 47  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 140581 |
| 5°  | 132555 |
| 10° | 113313 |
| 15° | 90806  |
| 20° | 70776  |
| 25° | 53229  |
| 30° | 38816  |
| 35° | 27358  |
| 40° | 18778  |
| 45° | 13428  |
| 50° | 10985  |
| 55° | 10628  |
| 60° | 10701  |
| 65° | 10948  |
| 70° | 11412  |
| 75° | 12200  |
| 80° | 12628  |
| 85° | 14089  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 14952 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.5   | 12.6      |
| 10°-20°   | 111.2  | 25.7      |
| 20°-30°   | 101.3  | 23.4      |
| 30°-40°   | 64.4   | 14.9      |
| 40°-50°   | 34.5   | 8.0       |
| 50°-60°   | 25.2   | 5.8       |
| 60°-70°   | 21.2   | 4.9       |
| 70°-80°   | 14.8   | 3.4       |
| 80°-90°   | 5.9    | 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       |
| 0°-30°    | 266.9  | 61.6      |
| 0°-40°    | 331.3  | 76.5      |
| 0°-60°    | 391.1  | 90.3      |
| 0°-90°    | 433.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 433.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 641 |      |
| 5°  | 602 | 54   |
| 15° | 400 | 111  |
| 25° | 220 | 101  |
| 35° | 102 | 64   |
| 45° | 43  | 34   |
| 55° | 28  | 25   |
| 65° | 21  | 21   |
| 75° | 14  | 15   |
| 85° | 6   | 6    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 641.1 |
| 2.5°  | 631.1 |
| 5°    | 602.2 |
| 7.5°  | 560.0 |
| 10°   | 508.9 |
| 12.5° | 454.5 |
| 15°   | 400.0 |
| 17.5° | 350.0 |
| 20°   | 303.3 |
| 22.5° | 260.0 |
| 25°   | 220.0 |
| 27.5° | 184.4 |
| 30°   | 153.3 |
| 32.5° | 124.4 |
| 35°   | 102.2 |
| 37.5° | 81.1  |
| 40°   | 65.6  |
| 42.5° | 52.2  |
| 45°   | 43.3  |
| 47.5° | 35.6  |
| 50°   | 32.2  |
| 52.5° | 30.0  |
| 55°   | 27.8  |
| 57.5° | 26.7  |
| 60°   | 24.4  |
| 62.5° | 23.3  |
| 65°   | 21.1  |
| 67.5° | 20.0  |
| 70°   | 17.8  |
| 72.5° | 15.6  |
| 75°   | 14.4  |
| 77.5° | 12.2  |
| 80°   | 10.0  |
| 82.5° | 8.9   |
| 85°   | 5.6   |
| 87.5° | 2.2   |
| 90°   | 0.0   |

(END OF REPORT)