

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: P1300085

Luminaire Tested: P3A17R25W2N902765DE010 E3PHLD1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1300085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R25W2N902765DE010 E3PHLD1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

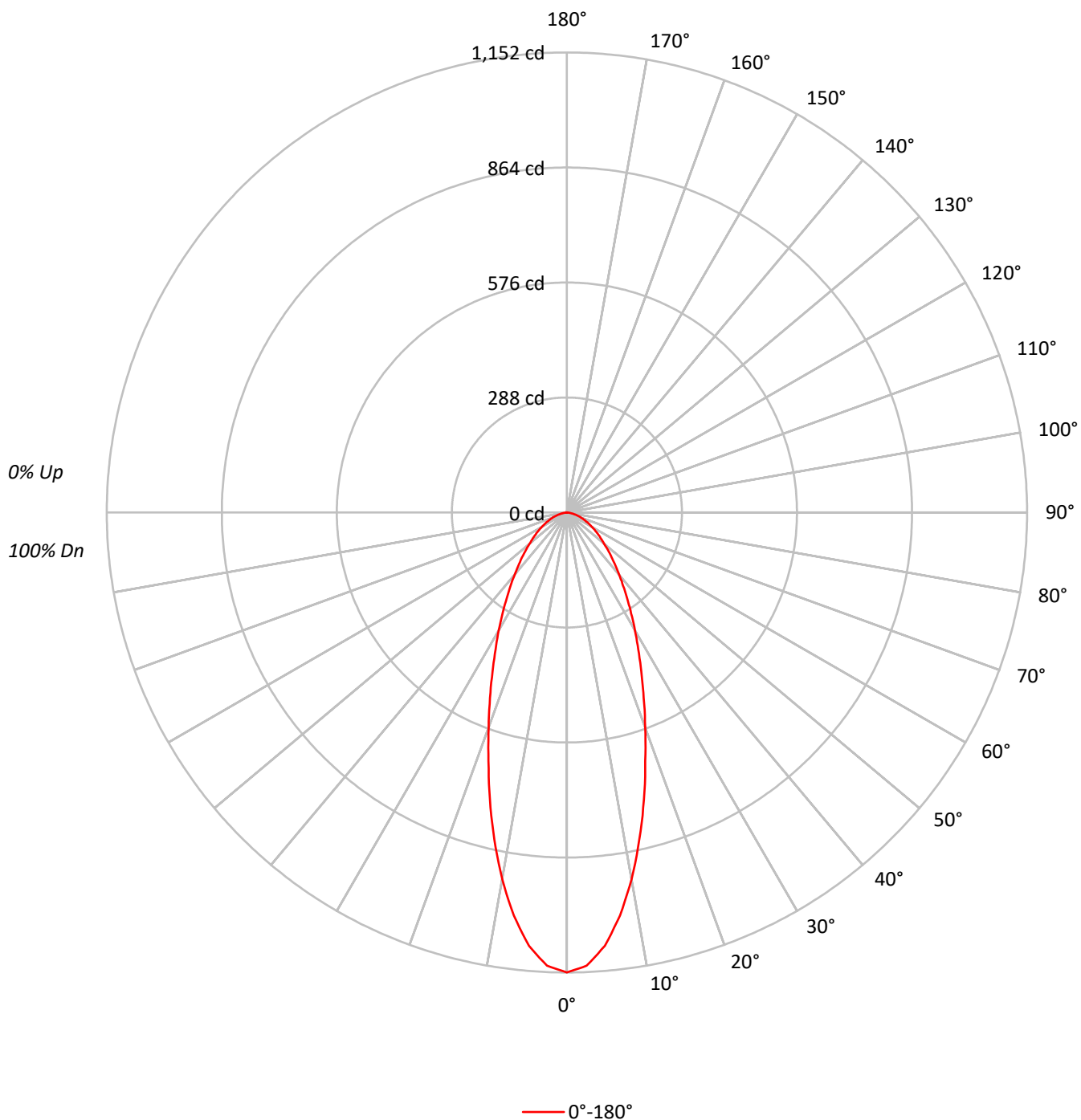
Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 49.9 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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





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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 | 100 | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 95  |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 87  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 69  |  | 76  | 72  | 68  |  | 74  |
| 5   | 86  | 76  | 68  | 63  | 84  | 75  | 68  | 63  | 73  | 67  | 62  |  | 71  | 66  | 62  |  | 69  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 57  | 68  | 62  | 57  |  | 66  | 61  | 57  |  | 65  |
| 7   | 76  | 65  | 58  | 53  | 75  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 8   | 72  | 61  | 54  | 49  | 71  | 60  | 54  | 49  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 9   | 68  | 57  | 50  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  |  | 55  | 49  | 45  |  | 54  |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 43  | 52  | 47  | 43  |  | 52  | 46  | 43  |  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 252567 |
| 5°  | 239753 |
| 10° | 207656 |
| 15° | 169059 |
| 20° | 133572 |
| 25° | 106506 |
| 30° | 86342  |
| 35° | 70323  |
| 40° | 58281  |
| 45° | 49090  |
| 50° | 41551  |
| 55° | 36587  |
| 60° | 32059  |
| 65° | 27967  |
| 70° | 24555  |
| 75° | 20673  |
| 80° | 15406  |
| 85° | 8806   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49090 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.9   | 10.2      |
| 10°-20°   | 206.5  | 21.3      |
| 20°-30°   | 203.5  | 21.0      |
| 30°-40°   | 165.7  | 17.1      |
| 40°-50°   | 122.9  | 12.7      |
| 50°-60°   | 85.8   | 8.9       |
| 60°-70°   | 53.7   | 5.6       |
| 70°-80°   | 25.9   | 2.7       |
| 80°-90°   | 5.0    | 0.5       |
| 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°    | 508.9  | 52.6      |
| 0°-40°    | 674.6  | 69.7      |
| 0°-60°    | 883.4  | 91.3      |
| 0°-90°    | 968.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 968.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1152 |      |
| 5°  | 1089 | 99   |
| 15° | 745  | 207  |
| 25° | 440  | 204  |
| 35° | 263  | 166  |
| 45° | 158  | 123  |
| 55° | 96   | 86   |
| 65° | 54   | 54   |
| 75° | 24   | 26   |
| 85° | 4    | 5    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1151.8 |
| 2.5°  | 1136.2 |
| 5°    | 1089.2 |
| 7.5°  | 1017.8 |
| 10°   | 932.6  |
| 12.5° | 838.6  |
| 15°   | 744.7  |
| 17.5° | 652.5  |
| 20°   | 572.4  |
| 22.5° | 502.8  |
| 25°   | 440.2  |
| 27.5° | 386.3  |
| 30°   | 341.0  |
| 32.5° | 299.3  |
| 35°   | 262.7  |
| 37.5° | 231.4  |
| 40°   | 203.6  |
| 42.5° | 179.2  |
| 45°   | 158.3  |
| 47.5° | 139.2  |
| 50°   | 121.8  |
| 52.5° | 107.9  |
| 55°   | 95.7   |
| 57.5° | 83.5   |
| 60°   | 73.1   |
| 62.5° | 62.6   |
| 65°   | 53.9   |
| 67.5° | 45.2   |
| 70°   | 38.3   |
| 72.5° | 31.3   |
| 75°   | 24.4   |
| 77.5° | 17.4   |
| 80°   | 12.2   |
| 82.5° | 7.0    |
| 85°   | 3.5    |
| 87.5° | 1.7    |
| 90°   | 0.0    |

(END OF REPORT)