

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: P1299444

Luminaire Tested: P3A17R15W2N902765DE010 E3PHLD1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1299444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R15W2N902765DE010 E3PHLD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

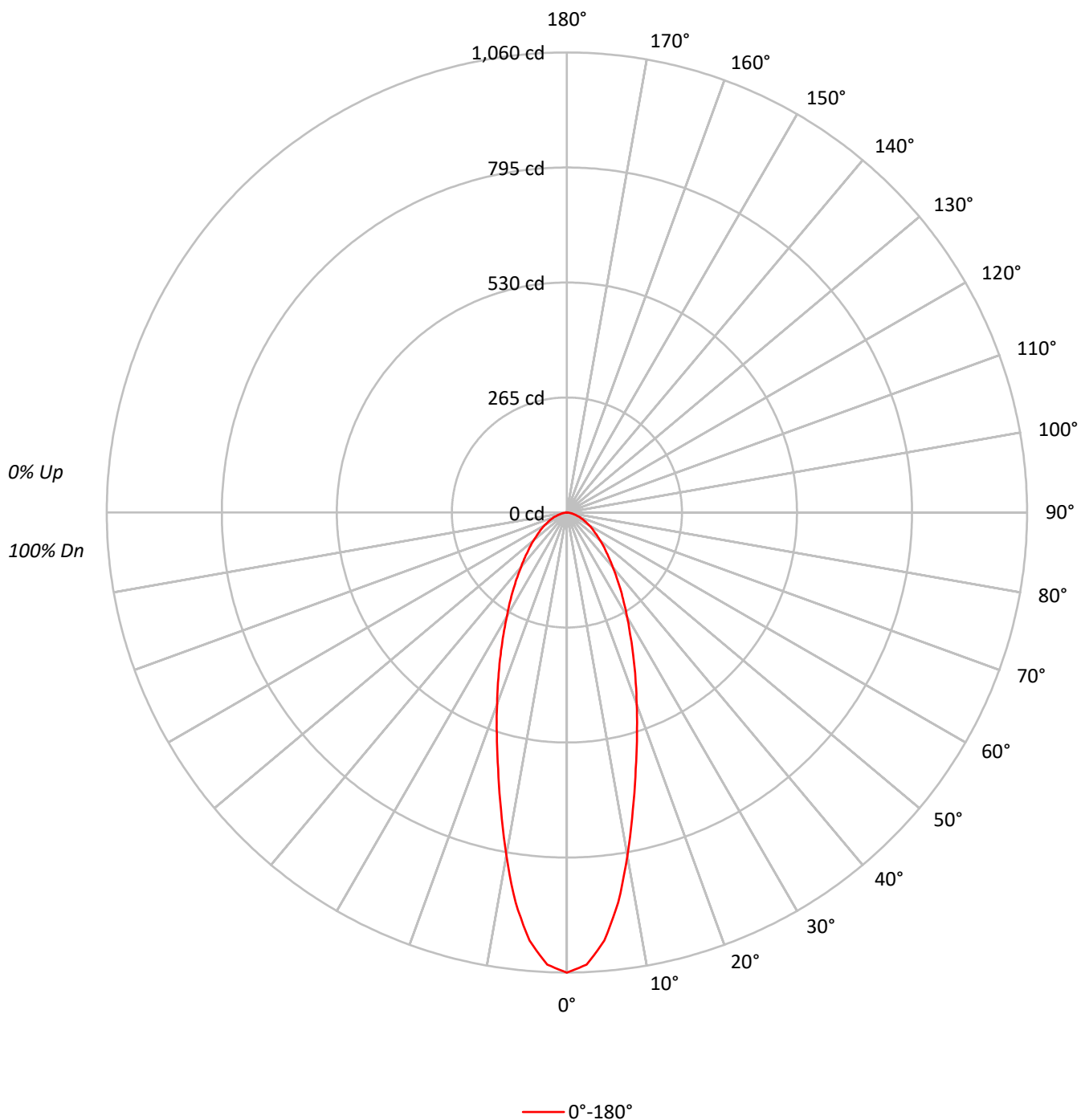
Lumens per Lamp: N/A  
Luminaire Lumens: 799.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 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 | 101 | 102 | 100 | 97  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |    |
| 2   | 104 | 98  | 93  | 89  | 102 | 97  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 80  |    |    |    |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  | 83  | 79  | 75  | 81  | 77  | 74  | 72  |    |    |    |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 66  |    |    |    |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 68  | 63  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 60  |    |    |    |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |    |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 58  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 51  |    |    |    |
| 8   | 72  | 61  | 55  | 50  | 71  | 61  | 54  | 50  | 60  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 47  |    |    |    |
| 9   | 69  | 58  | 51  | 47  | 68  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 44  |    |    |    |
| 10  | 65  | 54  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 47  | 43  | 42  |    |    |    |

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

|     | 0°     |
|-----|--------|
| 0°  | 232503 |
| 5°  | 217961 |
| 10° | 178732 |
| 15° | 138866 |
| 20° | 109606 |
| 25° | 87344  |
| 30° | 70112  |
| 35° | 57233  |
| 40° | 47145  |
| 45° | 39663  |
| 50° | 34080  |
| 55° | 29476  |
| 60° | 26138  |
| 65° | 22726  |
| 70° | 20196  |
| 75° | 16352  |
| 80° | 13259  |
| 85° | 8806   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 39663 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.4   | 11.1      |
| 10°-20°   | 171.3  | 21.4      |
| 20°-30°   | 166.5  | 20.8      |
| 30°-40°   | 134.6  | 16.8      |
| 40°-50°   | 99.9   | 12.5      |
| 50°-60°   | 69.8   | 8.7       |
| 60°-70°   | 43.7   | 5.5       |
| 70°-80°   | 20.8   | 2.6       |
| 80°-90°   | 3.8    | 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°    | 426.3  | 53.4      |
| 0°-40°    | 560.9  | 70.2      |
| 0°-60°    | 730.6  | 91.4      |
| 0°-90°    | 799.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 799.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1060 |      |
| 5°  | 990  | 88   |
| 15° | 612  | 171  |
| 25° | 361  | 167  |
| 35° | 214  | 135  |
| 45° | 128  | 100  |
| 55° | 77   | 70   |
| 65° | 44   | 44   |
| 75° | 19   | 21   |
| 85° | 4    | 4    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1060.3 |
| 2.5°  | 1042.8 |
| 5°    | 990.2  |
| 7.5°  | 906.1  |
| 10°   | 802.7  |
| 12.5° | 701.1  |
| 15°   | 611.7  |
| 17.5° | 536.3  |
| 20°   | 469.7  |
| 22.5° | 411.9  |
| 25°   | 361.0  |
| 27.5° | 315.5  |
| 30°   | 276.9  |
| 32.5° | 243.6  |
| 35°   | 213.8  |
| 37.5° | 187.5  |
| 40°   | 164.7  |
| 42.5° | 145.5  |
| 45°   | 127.9  |
| 47.5° | 113.9  |
| 50°   | 99.9   |
| 52.5° | 87.6   |
| 55°   | 77.1   |
| 57.5° | 68.4   |
| 60°   | 59.6   |
| 62.5° | 50.8   |
| 65°   | 43.8   |
| 67.5° | 36.8   |
| 70°   | 31.5   |
| 72.5° | 24.5   |
| 75°   | 19.3   |
| 77.5° | 14.0   |
| 80°   | 10.5   |
| 82.5° | 5.3    |
| 85°   | 3.5    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)