

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: P1298788

Luminaire Tested: P3A13R65W2N902765DE010 E3DLD1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R65W2N902765DE010 E3DLD1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 4000K CCT AND, 90CRI ,  
E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

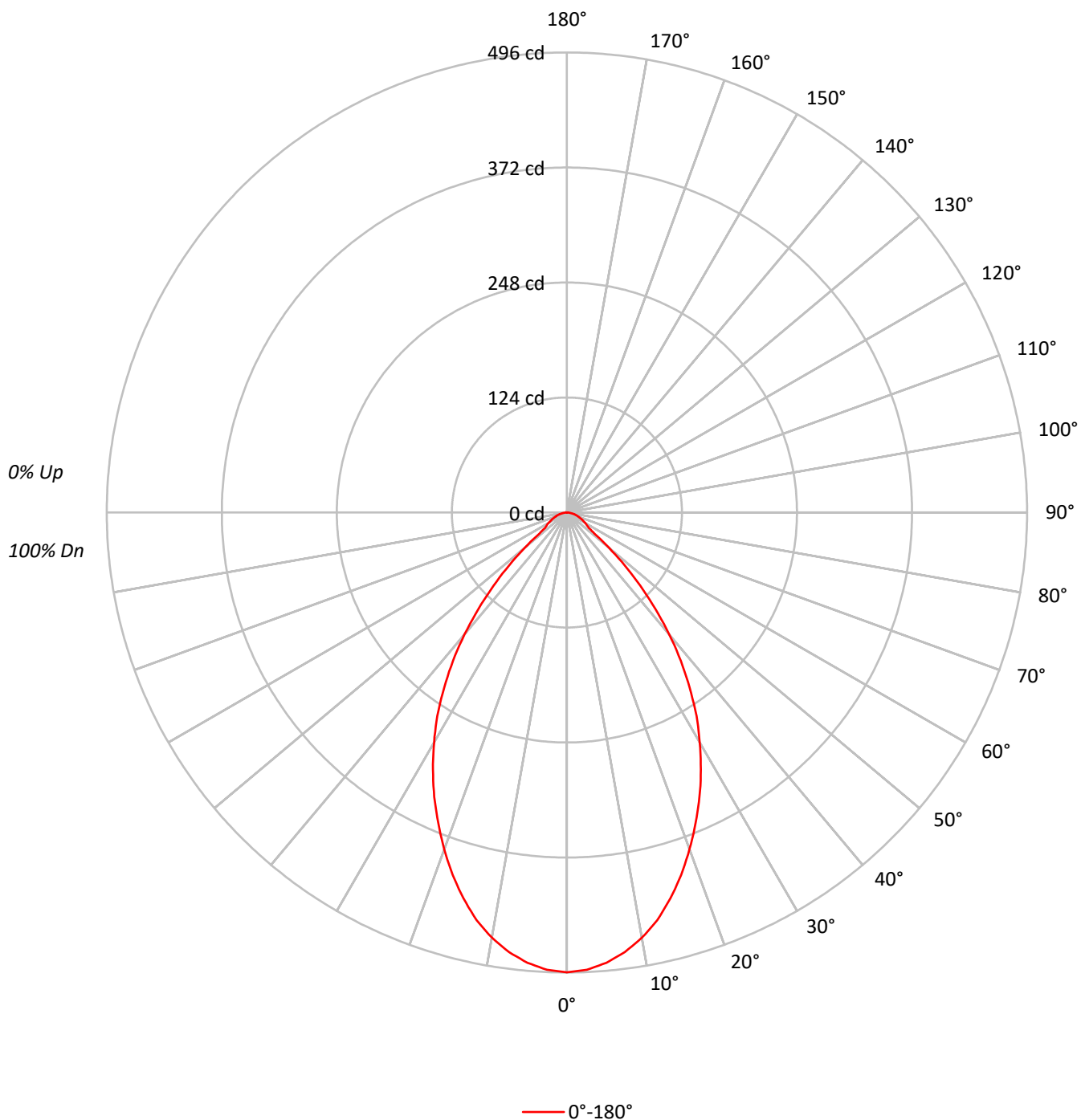
Lumens per Lamp: N/A  
Luminaire Lumens: 611.0 lumens  
Efficiency: N/A  
Efficacy: 49.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 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 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 84  | 82  |    |    |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 78  | 76  | 74  |    |    |
| 4   | 92  | 83  | 77  | 72  | 90  | 82  | 76  | 71  | 80  | 75  | 70  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |    |    |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 59  | 54  | 64  | 58  | 54  | 63  | 57  | 53  | 61  | 57  | 53  | 51  |    |    |
| 8   | 72  | 61  | 55  | 50  | 71  | 61  | 54  | 50  | 60  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 47  |    |    |
| 9   | 68  | 57  | 51  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  | 55  | 49  | 46  | 54  | 49  | 45  | 44  |    |    |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 43  | 52  | 47  | 43  | 52  | 46  | 42  | 51  | 46  | 42  | 41  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 108719 |
| 5°  | 107264 |
| 10° | 103672 |
| 15° | 97776  |
| 20° | 90168  |
| 25° | 81852  |
| 30° | 72492  |
| 35° | 61703  |
| 40° | 49092  |
| 45° | 34639  |
| 50° | 20127  |
| 55° | 10972  |
| 60° | 10218  |
| 65° | 9236   |
| 70° | 8463   |
| 75° | 7879   |
| 80° | 6819   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34639 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.8   | 7.5       |
| 10°-20°   | 120.5  | 19.7      |
| 20°-30°   | 154.8  | 25.3      |
| 30°-40°   | 143.3  | 23.4      |
| 40°-50°   | 86.5   | 14.2      |
| 50°-60°   | 29.5   | 4.8       |
| 60°-70°   | 17.7   | 2.9       |
| 70°-80°   | 10.0   | 1.6       |
| 80°-90°   | 2.9    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 321.2  | 52.6      |
| 0°-40°    | 464.4  | 76.0      |
| 0°-60°    | 580.4  | 95.0      |
| 0°-90°    | 611.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 611.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 496 |      |
| 5°  | 487 | 46   |
| 15° | 431 | 120  |
| 25° | 338 | 155  |
| 35° | 230 | 143  |
| 45° | 112 | 86   |
| 55° | 29  | 29   |
| 65° | 18  | 18   |
| 75° | 9   | 10   |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 495.8 |
| 2.5°  | 493.5 |
| 5°    | 487.3 |
| 7.5°  | 478.0 |
| 10°   | 465.6 |
| 12.5° | 450.1 |
| 15°   | 430.7 |
| 17.5° | 409.7 |
| 20°   | 386.4 |
| 22.5° | 362.4 |
| 25°   | 338.3 |
| 27.5° | 312.7 |
| 30°   | 286.3 |
| 32.5° | 260.0 |
| 35°   | 230.5 |
| 37.5° | 201.8 |
| 40°   | 171.5 |
| 42.5° | 141.2 |
| 45°   | 111.7 |
| 47.5° | 84.6  |
| 50°   | 59.0  |
| 52.5° | 37.2  |
| 55°   | 28.7  |
| 57.5° | 25.6  |
| 60°   | 23.3  |
| 62.5° | 20.2  |
| 65°   | 17.8  |
| 67.5° | 15.5  |
| 70°   | 13.2  |
| 72.5° | 11.6  |
| 75°   | 9.3   |
| 77.5° | 7.8   |
| 80°   | 5.4   |
| 82.5° | 3.9   |
| 85°   | 2.3   |
| 87.5° | 1.6   |
| 90°   | 0.0   |

(END OF REPORT)