

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: P1293554

Luminaire Tested: P3A09R45W2N902750DE010 E3DLD1H\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1293554  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R45W2N902750DE010 E3DLD1H\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,  
E3DLD1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

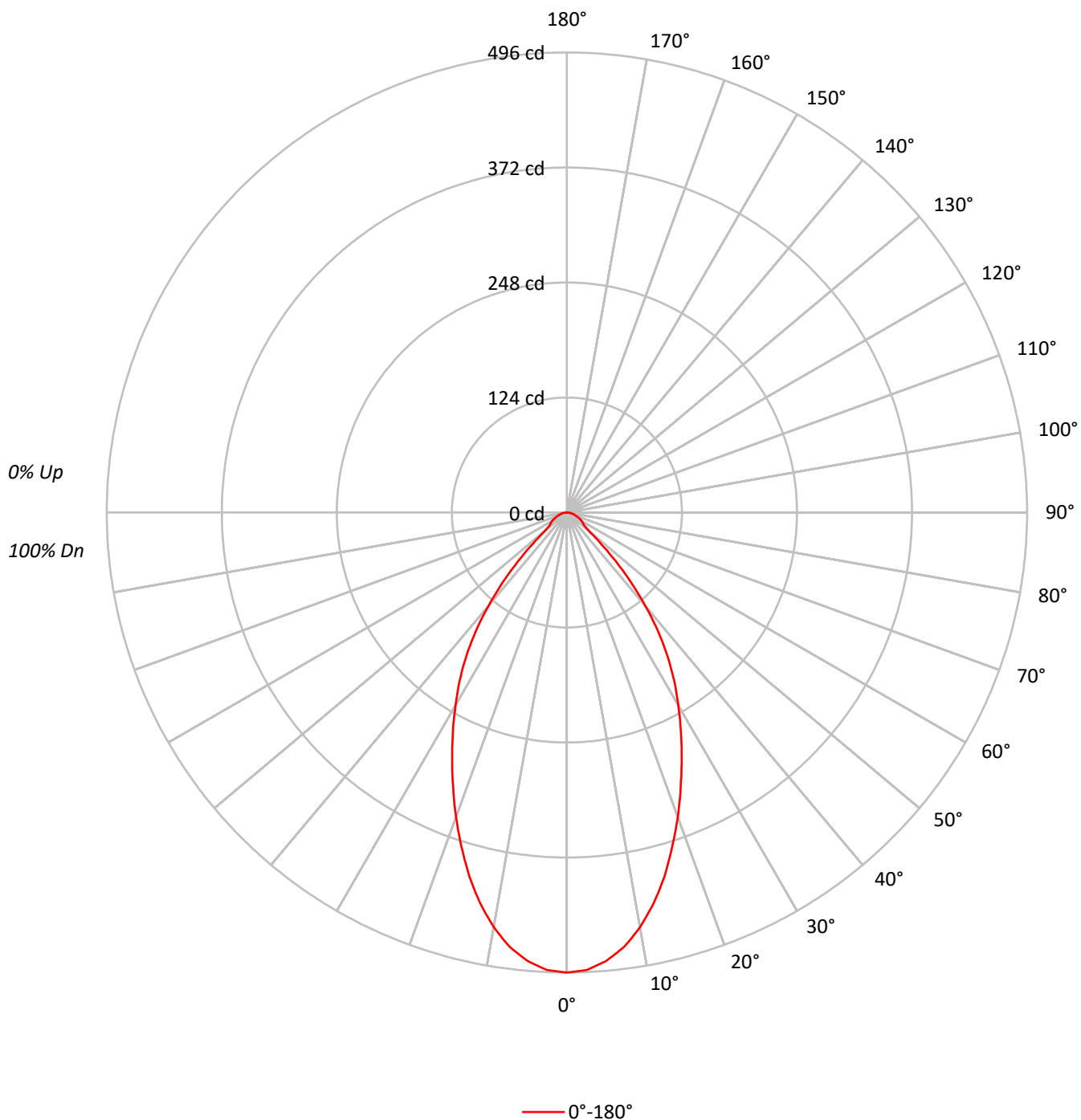
Lumens per Lamp: N/A  
Luminaire Lumens: 513.0 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 83  | 80  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 94  | 85  | 78  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 71  | 69  |    |    |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |
| 7   | 78  | 68  | 61  | 57  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 55  | 54  |    |    |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 52  | 48  | 47  |    |    |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 44  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 108763 |
| 5°  | 106845 |
| 10° | 101089 |
| 15° | 92214  |
| 20° | 81534  |
| 25° | 70794  |
| 30° | 60769  |
| 35° | 50647  |
| 40° | 37728  |
| 45° | 23103  |
| 50° | 10678  |
| 55° | 8372   |
| 60° | 8026   |
| 65° | 7368   |
| 70° | 6796   |
| 75° | 6524   |
| 80° | 5935   |
| 85° | 4529   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 23103 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.3   | 8.8       |
| 10°-20°   | 113.1  | 22.0      |
| 20°-30°   | 134.3  | 26.2      |
| 30°-40°   | 116.7  | 22.8      |
| 40°-50°   | 58.5   | 11.4      |
| 50°-60°   | 20.3   | 4.0       |
| 60°-70°   | 14.3   | 2.8       |
| 70°-80°   | 8.0    | 1.5       |
| 80°-90°   | 2.4    | 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°    | 292.8  | 57.1      |
| 0°-40°    | 409.5  | 79.8      |
| 0°-60°    | 488.4  | 95.2      |
| 0°-90°    | 513.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 513.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 496 |      |
| 5°  | 485 | 45   |
| 15° | 406 | 113  |
| 25° | 293 | 134  |
| 35° | 189 | 117  |
| 45° | 74  | 59   |
| 55° | 22  | 20   |
| 65° | 14  | 14   |
| 75° | 8   | 8    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 496.0 |
| 2.5°  | 493.7 |
| 5°    | 485.4 |
| 7.5°  | 472.4 |
| 10°   | 454.0 |
| 12.5° | 431.6 |
| 15°   | 406.2 |
| 17.5° | 377.8 |
| 20°   | 349.4 |
| 22.5° | 320.4 |
| 25°   | 292.6 |
| 27.5° | 266.0 |
| 30°   | 240.0 |
| 32.5° | 215.2 |
| 35°   | 189.2 |
| 37.5° | 161.4 |
| 40°   | 131.8 |
| 42.5° | 102.9 |
| 45°   | 74.5  |
| 47.5° | 49.1  |
| 50°   | 31.3  |
| 52.5° | 24.2  |
| 55°   | 21.9  |
| 57.5° | 20.1  |
| 60°   | 18.3  |
| 62.5° | 16.6  |
| 65°   | 14.2  |
| 67.5° | 12.4  |
| 70°   | 10.6  |
| 72.5° | 8.9   |
| 75°   | 7.7   |
| 77.5° | 5.9   |
| 80°   | 4.7   |
| 82.5° | 3.5   |
| 85°   | 1.8   |
| 87.5° | 1.2   |
| 90°   | 0.0   |

(END OF REPORT)