

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: P1297365

Luminaire Tested: P3A13R45W2N902750DE010 E3DLD1WH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297365  
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: P3A13R45W2N902750DE010 E3DLD1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,  
E3DLD1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

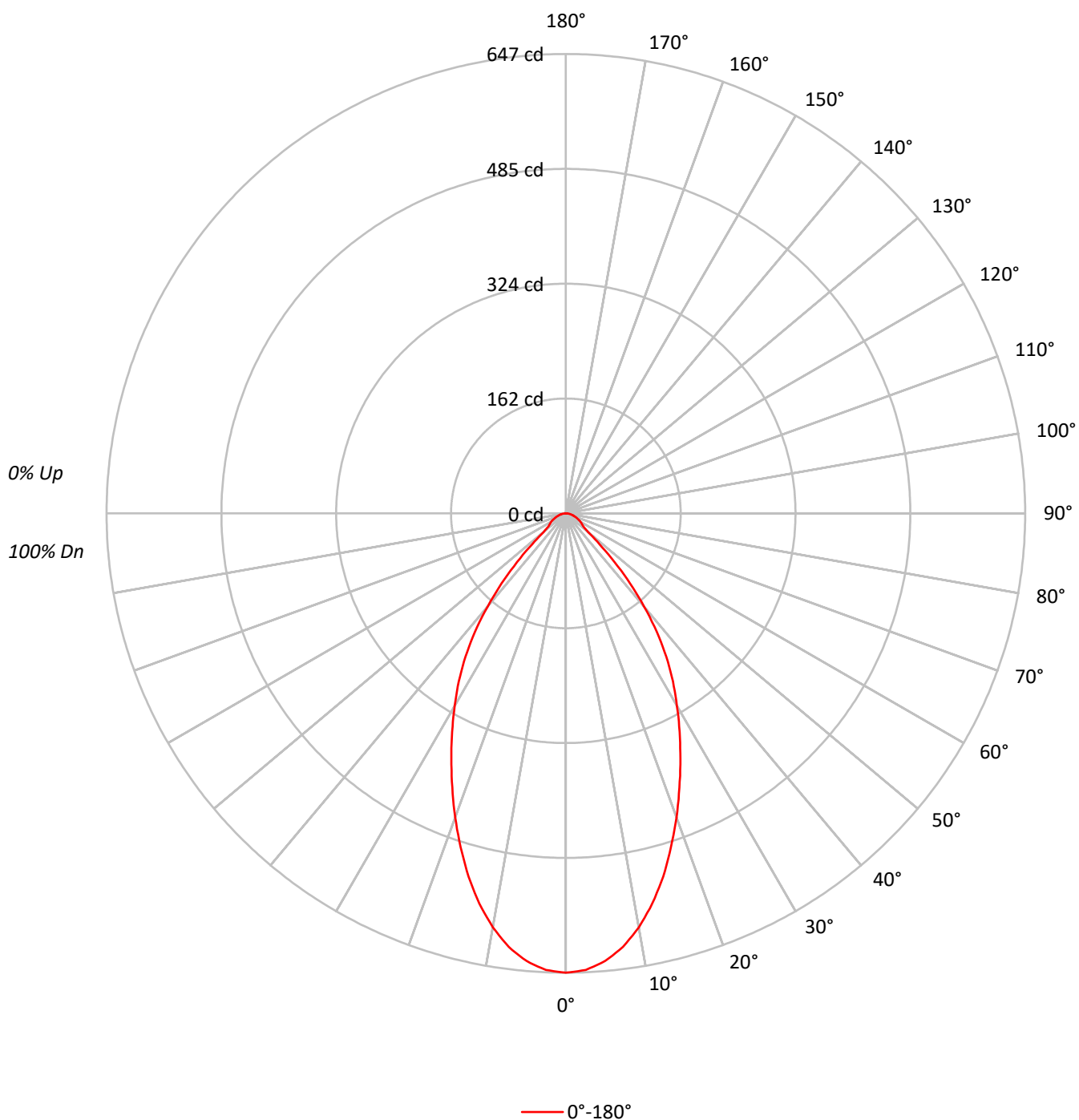
Lumens per Lamp: N/A  
Luminaire Lumens: 669.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 0   |  |  |
| 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°  | 141853 |
| 5°  | 139335 |
| 10° | 131839 |
| 15° | 120250 |
| 20° | 106339 |
| 25° | 92328  |
| 30° | 79253  |
| 35° | 66040  |
| 40° | 49206  |
| 45° | 30112  |
| 50° | 13953  |
| 55° | 10896  |
| 60° | 10482  |
| 65° | 9599   |
| 70° | 8912   |
| 75° | 8472   |
| 80° | 7829   |
| 85° | 5787   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 30112 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.1   | 8.8       |
| 10°-20°   | 147.5  | 22.0      |
| 20°-30°   | 175.2  | 26.2      |
| 30°-40°   | 152.2  | 22.8      |
| 40°-50°   | 76.3   | 11.4      |
| 50°-60°   | 26.5   | 4.0       |
| 60°-70°   | 18.6   | 2.8       |
| 70°-80°   | 10.4   | 1.6       |
| 80°-90°   | 3.1    | 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°    | 381.8  | 57.1      |
| 0°-40°    | 534.0  | 79.8      |
| 0°-60°    | 636.9  | 95.2      |
| 0°-90°    | 669.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 669.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 647 |      |
| 5°  | 633 | 59   |
| 15° | 530 | 147  |
| 25° | 382 | 175  |
| 35° | 247 | 152  |
| 45° | 97  | 76   |
| 55° | 28  | 26   |
| 65° | 18  | 19   |
| 75° | 10  | 10   |
| 85° | 2   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 646.9 |
| 2.5°  | 643.8 |
| 5°    | 633.0 |
| 7.5°  | 616.0 |
| 10°   | 592.1 |
| 12.5° | 562.8 |
| 15°   | 529.7 |
| 17.5° | 492.7 |
| 20°   | 455.7 |
| 22.5° | 417.9 |
| 25°   | 381.6 |
| 27.5° | 346.9 |
| 30°   | 313.0 |
| 32.5° | 280.6 |
| 35°   | 246.7 |
| 37.5° | 210.5 |
| 40°   | 171.9 |
| 42.5° | 134.2 |
| 45°   | 97.1  |
| 47.5° | 64.0  |
| 50°   | 40.9  |
| 52.5° | 31.6  |
| 55°   | 28.5  |
| 57.5° | 26.2  |
| 60°   | 23.9  |
| 62.5° | 21.6  |
| 65°   | 18.5  |
| 67.5° | 16.2  |
| 70°   | 13.9  |
| 72.5° | 11.6  |
| 75°   | 10.0  |
| 77.5° | 7.7   |
| 80°   | 6.2   |
| 82.5° | 4.6   |
| 85°   | 2.3   |
| 87.5° | 1.5   |
| 90°   | 0.0   |

(END OF REPORT)