

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: P1297086

Luminaire Tested: P3A13R40W2N902750DE010 E3DLP1LI\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R40W2N902750DE010 E3DLP1LI\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

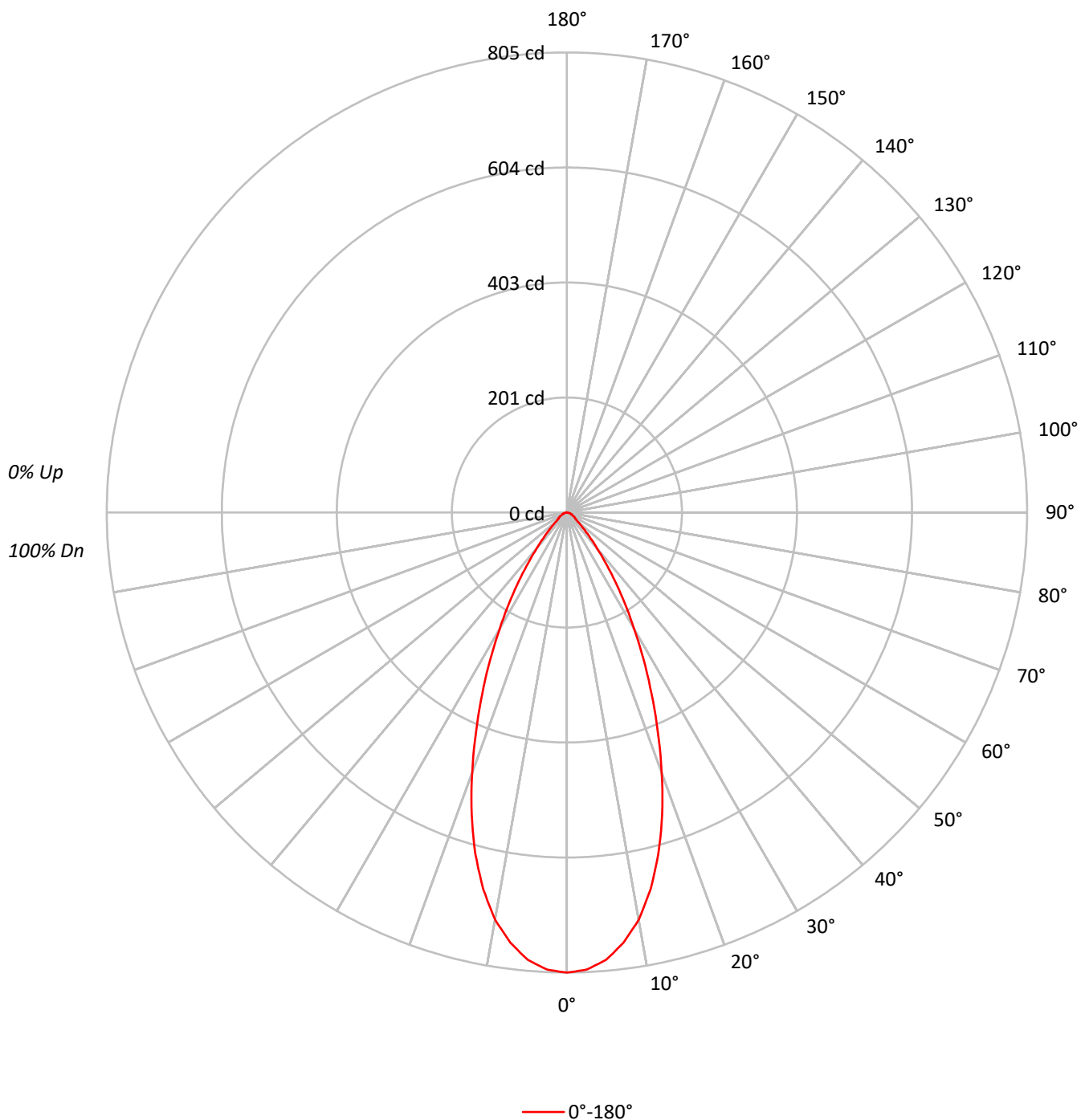
Lumens per Lamp: N/A  
Luminaire Lumens: 567.0 lumens  
Efficiency: N/A  
Efficacy: 46.1 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 113 | 110 | 108 | 105 |  | 111 | 108 | 106 | 104 |  | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 96  | 95  |
| 2   | 107 | 102 | 98  | 95  |  | 105 | 101 | 97  | 93  |  | 97  | 94  | 91  |  | 94  | 92  | 89  |  | 92  | 89  | 88  |
| 3   | 102 | 95  | 90  | 86  |  | 100 | 94  | 89  | 85  |  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 86  | 84  | 81  |
| 4   | 97  | 89  | 83  | 79  |  | 95  | 88  | 83  | 79  |  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 76  |
| 5   | 92  | 83  | 77  | 73  |  | 90  | 82  | 77  | 73  |  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  | 74  | 71  |
| 6   | 87  | 78  | 72  | 68  |  | 86  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 75  | 70  | 67  |  | 73  | 69  | 66  |
| 7   | 83  | 74  | 68  | 64  |  | 82  | 73  | 68  | 63  |  | 72  | 67  | 63  |  | 71  | 66  | 63  |  | 70  | 66  | 62  |
| 8   | 79  | 70  | 64  | 60  |  | 78  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  | 63  | 59  |  | 66  | 62  | 59  |
| 9   | 76  | 66  | 60  | 56  |  | 75  | 66  | 60  | 56  |  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  | 59  | 56  |
| 10  | 72  | 63  | 57  | 53  |  | 71  | 62  | 57  | 53  |  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  | 56  | 53  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 176543 |
| 5°  | 172969 |
| 10° | 161052 |
| 15° | 140364 |
| 20° | 113130 |
| 25° | 84803  |
| 30° | 59604  |
| 35° | 39056  |
| 40° | 23644  |
| 45° | 14110  |
| 50° | 8426   |
| 55° | 6805   |
| 60° | 6096   |
| 65° | 5189   |
| 70° | 4937   |
| 75° | 3897   |
| 80° | 3915   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14110 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.0   | 12.9      |
| 10°-20°   | 170.3  | 30.0      |
| 20°-30°   | 160.5  | 28.3      |
| 30°-40°   | 92.8   | 16.4      |
| 40°-50°   | 37.0   | 6.5       |
| 50°-60°   | 16.4   | 2.9       |
| 60°-70°   | 10.1   | 1.8       |
| 70°-80°   | 5.3    | 0.9       |
| 80°-90°   | 1.7    | 0.3       |
| 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°    | 403.8  | 71.2      |
| 0°-40°    | 496.6  | 87.6      |
| 0°-60°    | 549.9  | 97.0      |
| 0°-90°    | 567.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 567.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 805 |      |
| 5°  | 786 | 73   |
| 15° | 618 | 170  |
| 25° | 350 | 160  |
| 35° | 146 | 93   |
| 45° | 46  | 37   |
| 55° | 18  | 16   |
| 65° | 10  | 10   |
| 75° | 5   | 5    |
| 85° | 2   | 2    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 805.1 |
| 2.5°  | 800.5 |
| 5°    | 785.8 |
| 7.5°  | 758.8 |
| 10°   | 723.3 |
| 12.5° | 675.4 |
| 15°   | 618.3 |
| 17.5° | 554.3 |
| 20°   | 484.8 |
| 22.5° | 415.3 |
| 25°   | 350.5 |
| 27.5° | 290.3 |
| 30°   | 235.4 |
| 32.5° | 187.6 |
| 35°   | 145.9 |
| 37.5° | 110.4 |
| 40°   | 82.6  |
| 42.5° | 61.8  |
| 45°   | 45.5  |
| 47.5° | 33.2  |
| 50°   | 24.7  |
| 52.5° | 20.1  |
| 55°   | 17.8  |
| 57.5° | 16.2  |
| 60°   | 13.9  |
| 62.5° | 11.6  |
| 65°   | 10.0  |
| 67.5° | 8.5   |
| 70°   | 7.7   |
| 72.5° | 6.2   |
| 75°   | 4.6   |
| 77.5° | 3.9   |
| 80°   | 3.1   |
| 82.5° | 2.3   |
| 85°   | 1.5   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)