

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: P1301049

Luminaire Tested: P3A17R40W2N902765DE010 E3DLP1LI\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301049  
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: P3A17R40W2N902765DE010 E3DLP1LI\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,  
E3DLP1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

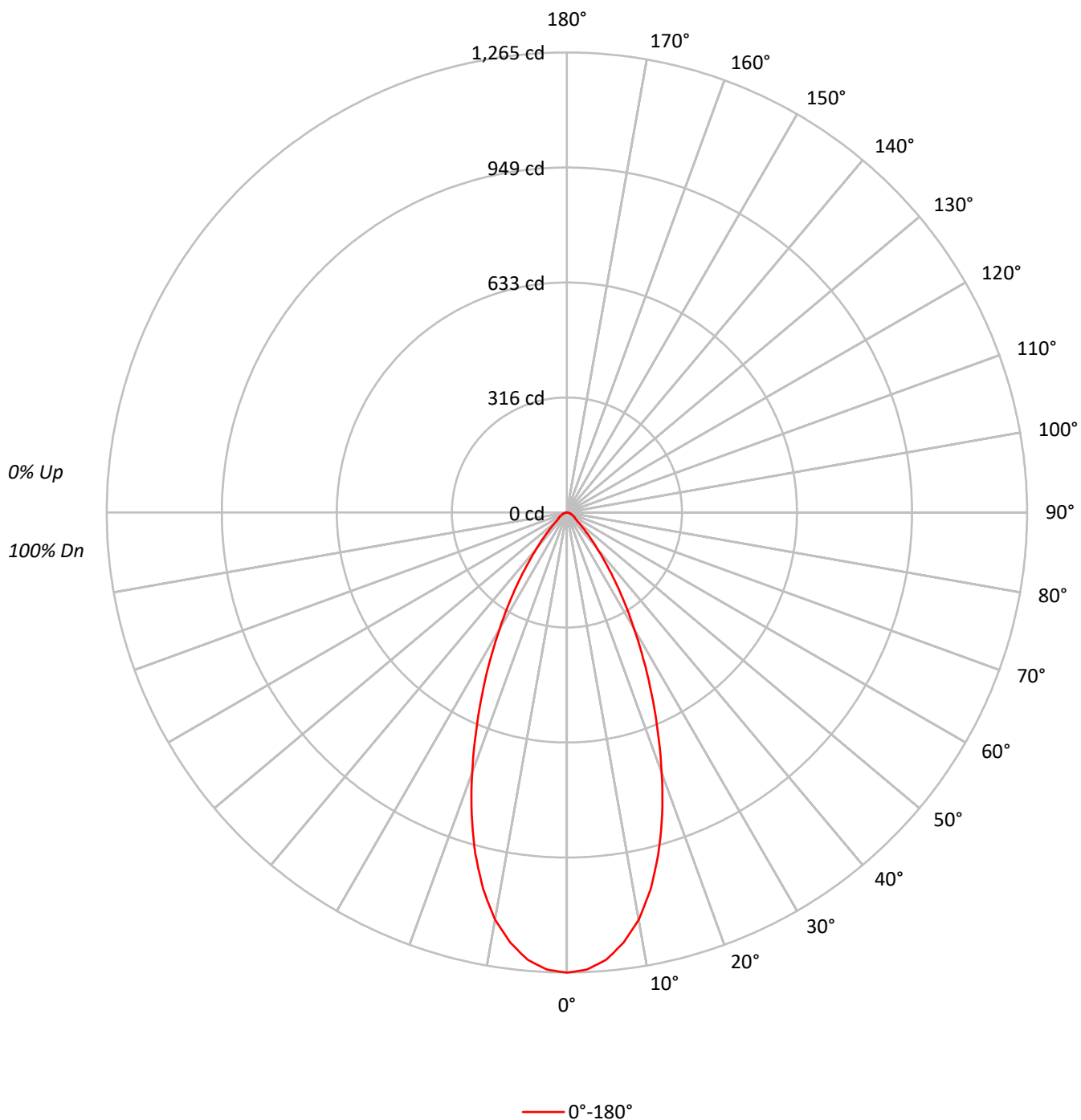
Lumens per Lamp: N/A  
Luminaire Lumens: 891.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  |    |    |
| 2   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 93  | 97  | 94  | 91  | 94  | 92  | 89  | 92  | 89  | 88  | 86  |    |    |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 85  | 83  | 86  | 84  | 81  | 80  |    |    |
| 4   | 97  | 89  | 83  | 79  | 95  | 88  | 83  | 79  | 86  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |
| 5   | 92  | 83  | 77  | 73  | 90  | 82  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 71  | 69  |    |    |
| 6   | 87  | 78  | 72  | 68  | 86  | 78  | 72  | 68  | 76  | 71  | 67  | 75  | 70  | 67  | 73  | 69  | 66  | 65  |    |    |
| 7   | 83  | 74  | 68  | 64  | 82  | 73  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 62  | 61  |    |    |
| 8   | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 59  | 67  | 63  | 59  | 66  | 62  | 59  | 58  |    |    |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 54  |    |    |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 277434 |
| 5°  | 271824 |
| 10° | 253079 |
| 15° | 220592 |
| 20° | 177769 |
| 25° | 133242 |
| 30° | 93685  |
| 35° | 61382  |
| 40° | 37155  |
| 45° | 22204  |
| 50° | 13236  |
| 55° | 10666  |
| 60° | 9561   |
| 65° | 8198   |
| 70° | 7758   |
| 75° | 6185   |
| 80° | 6188   |
| 85° | 6038   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22204 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.7  | 12.9      |
| 10°-20°   | 267.6  | 30.0      |
| 20°-30°   | 252.2  | 28.3      |
| 30°-40°   | 145.8  | 16.4      |
| 40°-50°   | 58.1   | 6.5       |
| 50°-60°   | 25.7   | 2.9       |
| 60°-70°   | 15.9   | 1.8       |
| 70°-80°   | 8.3    | 0.9       |
| 80°-90°   | 2.6    | 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°    | 634.5  | 71.2      |
| 0°-40°    | 780.3  | 87.6      |
| 0°-60°    | 864.2  | 97.0      |
| 0°-90°    | 891.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 891.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1265 |      |
| 5°  | 1235 | 115  |
| 15° | 972  | 268  |
| 25° | 551  | 252  |
| 35° | 229  | 146  |
| 45° | 72   | 58   |
| 55° | 28   | 26   |
| 65° | 16   | 16   |
| 75° | 7    | 8    |
| 85° | 2    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1265.2 |
| 2.5°  | 1257.9 |
| 5°    | 1234.9 |
| 7.5°  | 1192.4 |
| 10°   | 1136.6 |
| 12.5° | 1061.4 |
| 15°   | 971.7  |
| 17.5° | 871.0  |
| 20°   | 761.8  |
| 22.5° | 652.6  |
| 25°   | 550.7  |
| 27.5° | 456.1  |
| 30°   | 370.0  |
| 32.5° | 294.8  |
| 35°   | 229.3  |
| 37.5° | 173.5  |
| 40°   | 129.8  |
| 42.5° | 97.0   |
| 45°   | 71.6   |
| 47.5° | 52.2   |
| 50°   | 38.8   |
| 52.5° | 31.5   |
| 55°   | 27.9   |
| 57.5° | 25.5   |
| 60°   | 21.8   |
| 62.5° | 18.2   |
| 65°   | 15.8   |
| 67.5° | 13.3   |
| 70°   | 12.1   |
| 72.5° | 9.7    |
| 75°   | 7.3    |
| 77.5° | 6.1    |
| 80°   | 4.9    |
| 82.5° | 3.6    |
| 85°   | 2.4    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)