

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: P1297191

Luminaire Tested: P3A13R40W2N902765DE010 E3DL1MW\_6500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R40W2N902765DE010 E3DL1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 6500K CCT AND, 90CRI ,  
E3DL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

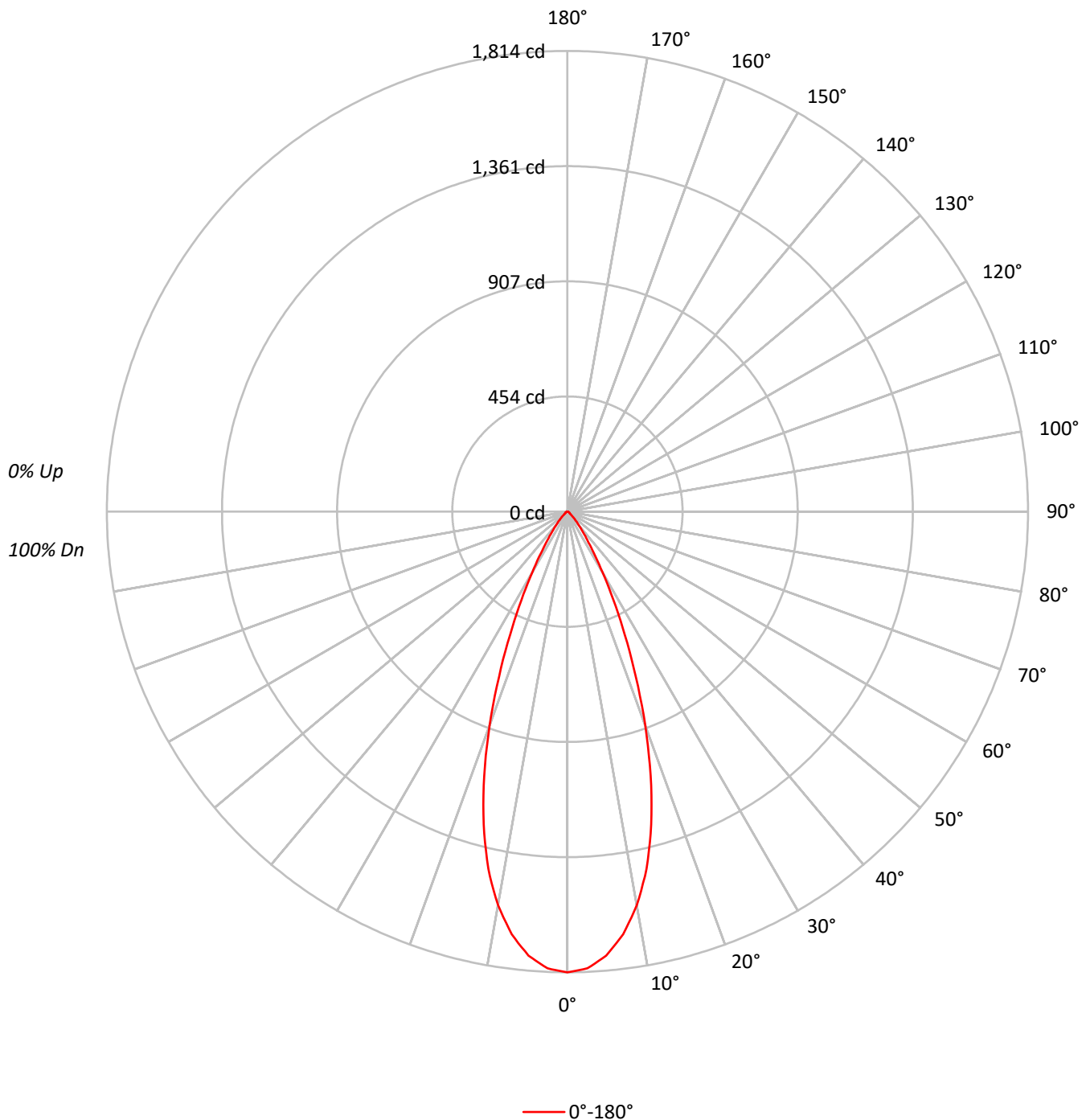
Lumens per Lamp: N/A  
Luminaire Lumens: 899.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1297191

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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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 85  | 98  | 92  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 76  | 71  | 68  | 84  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 64  |  | 70  |
| 10  | 78  | 70  | 65  | 62  | 78  | 70  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 397797 |
| 5°  | 386242 |
| 10° | 350495 |
| 15° | 289559 |
| 20° | 208875 |
| 25° | 129201 |
| 30° | 69935  |
| 35° | 36138  |
| 40° | 19665  |
| 45° | 11009  |
| 50° | 5526   |
| 55° | 4129   |
| 60° | 3728   |
| 65° | 3580   |
| 70° | 3462   |
| 75° | 3304   |
| 80° | 2904   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 11009 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 161.7  | 18.0      |
| 10°-20°   | 347.3  | 38.6      |
| 20°-30°   | 247.9  | 27.6      |
| 30°-40°   | 91.2   | 10.1      |
| 40°-50°   | 28.7   | 3.2       |
| 50°-60°   | 10.0   | 1.1       |
| 60°-70°   | 6.9    | 0.8       |
| 70°-80°   | 4.1    | 0.5       |
| 80°-90°   | 1.2    | 0.1       |
| 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°    | 756.9  | 84.2      |
| 0°-40°    | 848.2  | 94.3      |
| 0°-60°    | 886.9  | 98.7      |
| 0°-90°    | 899.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 899.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1814 |      |
| 5°  | 1755 | 162  |
| 15° | 1276 | 347  |
| 25° | 534  | 248  |
| 35° | 135  | 91   |
| 45° | 36   | 29   |
| 55° | 11   | 10   |
| 65° | 7    | 7    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1814.1 |
| 2.5°  | 1800.2 |
| 5°    | 1754.7 |
| 7.5°  | 1679.1 |
| 10°   | 1574.1 |
| 12.5° | 1440.6 |
| 15°   | 1275.5 |
| 17.5° | 1090.3 |
| 20°   | 895.1  |
| 22.5° | 703.0  |
| 25°   | 534.0  |
| 27.5° | 392.0  |
| 30°   | 276.2  |
| 32.5° | 193.7  |
| 35°   | 135.0  |
| 37.5° | 95.7   |
| 40°   | 68.7   |
| 42.5° | 49.4   |
| 45°   | 35.5   |
| 47.5° | 23.9   |
| 50°   | 16.2   |
| 52.5° | 11.6   |
| 55°   | 10.8   |
| 57.5° | 10.0   |
| 60°   | 8.5    |
| 62.5° | 7.7    |
| 65°   | 6.9    |
| 67.5° | 6.2    |
| 70°   | 5.4    |
| 72.5° | 4.6    |
| 75°   | 3.9    |
| 77.5° | 3.1    |
| 80°   | 2.3    |
| 82.5° | 1.5    |
| 85°   | 0.8    |
| 87.5° | 0.8    |
| 90°   | 0.0    |

(END OF REPORT)