

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: P1297147

Luminaire Tested: P3A13R40W2N902765DE010 E3D1LI\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R40W2N902765DE010 E3D1LI\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

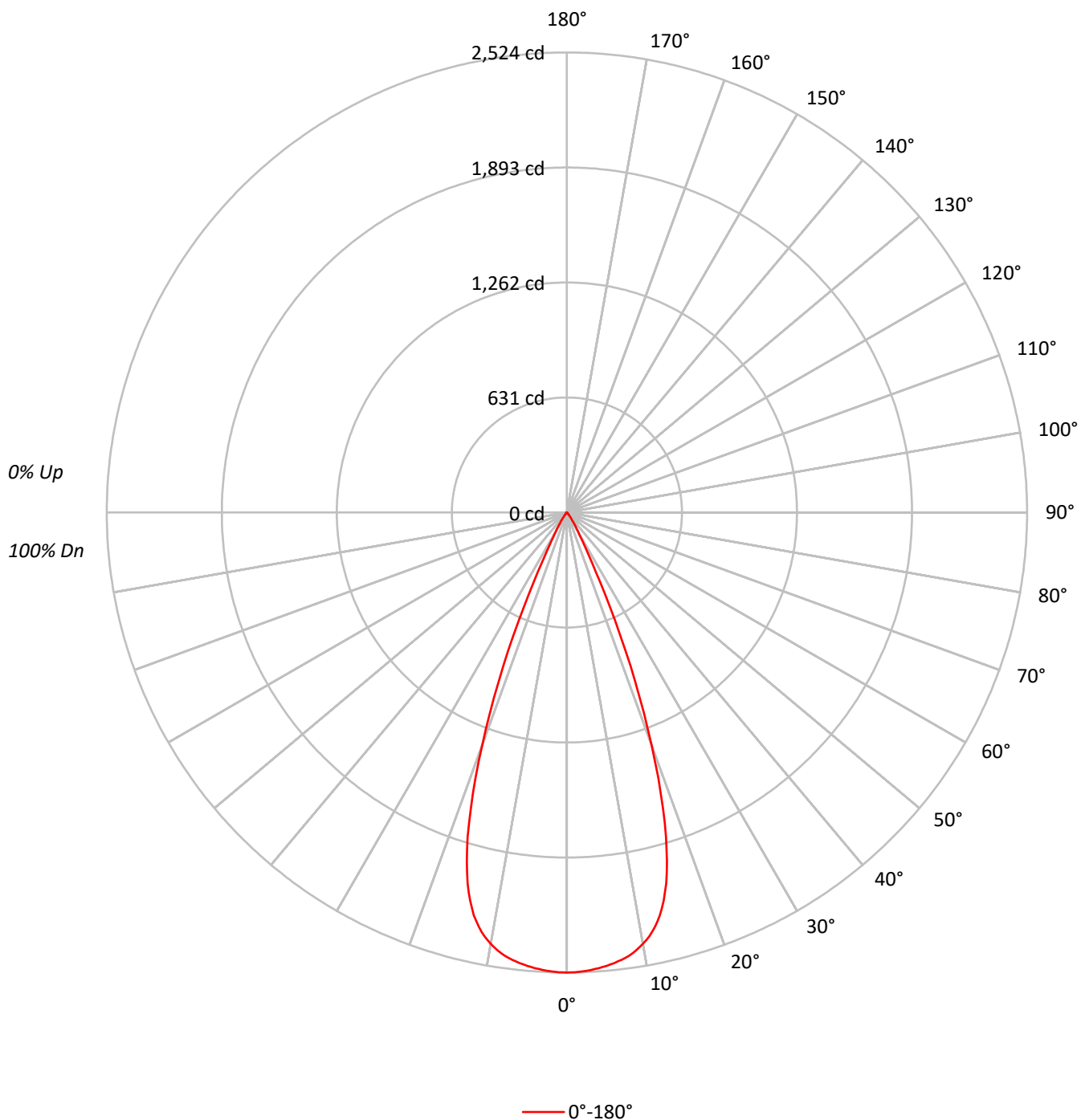
Lumens per Lamp: N/A  
Luminaire Lumens: 1086.1 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 98  | 98  | 96  |  |  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 96  | 95  | 94  | 92  |  |  |
| 3   | 107 | 102 | 98  | 95  | 105 | 100 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 93  | 91  | 90  | 88  |  |  |
| 4   | 103 | 97  | 93  | 90  | 101 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 85  |  |  |
| 5   | 99  | 93  | 89  | 85  | 98  | 92  | 88  | 85  | 91  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  |  |  |
| 6   | 96  | 89  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 79  |  |  |
| 7   | 93  | 86  | 81  | 78  | 92  | 85  | 81  | 78  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 76  |  |  |
| 8   | 90  | 83  | 78  | 75  | 89  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 74  | 79  | 76  | 74  | 73  |  |  |
| 9   | 87  | 80  | 75  | 72  | 86  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 71  | 70  |  |  |
| 10  | 84  | 77  | 72  | 70  | 83  | 77  | 72  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 74  | 71  | 69  | 68  |  |  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 553552 |
| 5°  | 549569 |
| 10° | 535172 |
| 15° | 478050 |
| 20° | 316988 |
| 25° | 118749 |
| 30° | 31777  |
| 35° | 12421  |
| 40° | 4466   |
| 45° | 2109   |
| 50° | 648    |
| 55° | 306    |
| 60° | 175    |
| 65° | 208    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 2109 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 235.6  | 21.7      |
| 10°-20°   | 558.0  | 51.4      |
| 20°-30°   | 253.0  | 23.3      |
| 30°-40°   | 32.8   | 3.0       |
| 40°-50°   | 5.7    | 0.5       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.2    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1046.6 | 96.4      |
| 0°-40°    | 1079.4 | 99.4      |
| 0°-60°    | 1085.8 | 100.0     |
| 0°-90°    | 1086.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1086.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2524 |      |
| 5°  | 2497 | 236  |
| 15° | 2106 | 558  |
| 25° | 491  | 253  |
| 35° | 46   | 33   |
| 45° | 7    | 6    |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2524.4 |
| 1°    | 2522.9 |
| 2°    | 2519.1 |
| 3°    | 2513.4 |
| 4°    | 2506.2 |
| 5°    | 2496.7 |
| 6°    | 2485.7 |
| 7°    | 2472.0 |
| 8°    | 2455.2 |
| 9°    | 2432.4 |
| 10°   | 2403.5 |
| 11°   | 2369.7 |
| 12°   | 2324.5 |
| 13°   | 2268.6 |
| 14°   | 2195.6 |
| 15°   | 2105.8 |
| 16°   | 1991.4 |
| 17°   | 1861.0 |
| 18°   | 1704.4 |
| 19°   | 1539.0 |
| 20°   | 1358.4 |
| 21°   | 1177.8 |
| 22°   | 999.9  |
| 23°   | 822.7  |
| 24°   | 648.6  |
| 25°   | 490.8  |
| 26°   | 363.5  |
| 27°   | 266.1  |
| 28°   | 200.0  |
| 29°   | 155.5  |
| 30°   | 125.5  |
| 31°   | 103.8  |
| 32°   | 86.7   |
| 32.5° | 79.1   |
| 33°   | 71.5   |
| 34°   | 58.2   |
| 35°   | 46.4   |
| 36°   | 36.5   |
| 37°   | 28.9   |
| 37.5° | 25.9   |
| 38°   | 22.8   |
| 39°   | 19.0   |
| 40°   | 15.6   |
| 42.5° | 10.3   |
| 45°   | 6.8    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 4.2 |
| 50°   | 1.9 |
| 52.5° | 0.8 |
| 55°   | 0.8 |
| 57.5° | 0.4 |
| 60°   | 0.4 |
| 62.5° | 0.4 |
| 65°   | 0.4 |
| 67.5° | 0.0 |
| 70°   | 0.0 |
| 72.5° | 0.0 |
| 75°   | 0.0 |
| 77.5° | 0.0 |
| 80°   | 0.0 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)