

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: P1269957

Luminaire Tested: P3A13R559740DE010 E3D1LI

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1269957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R559740DE010 E3D1LI  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3D1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

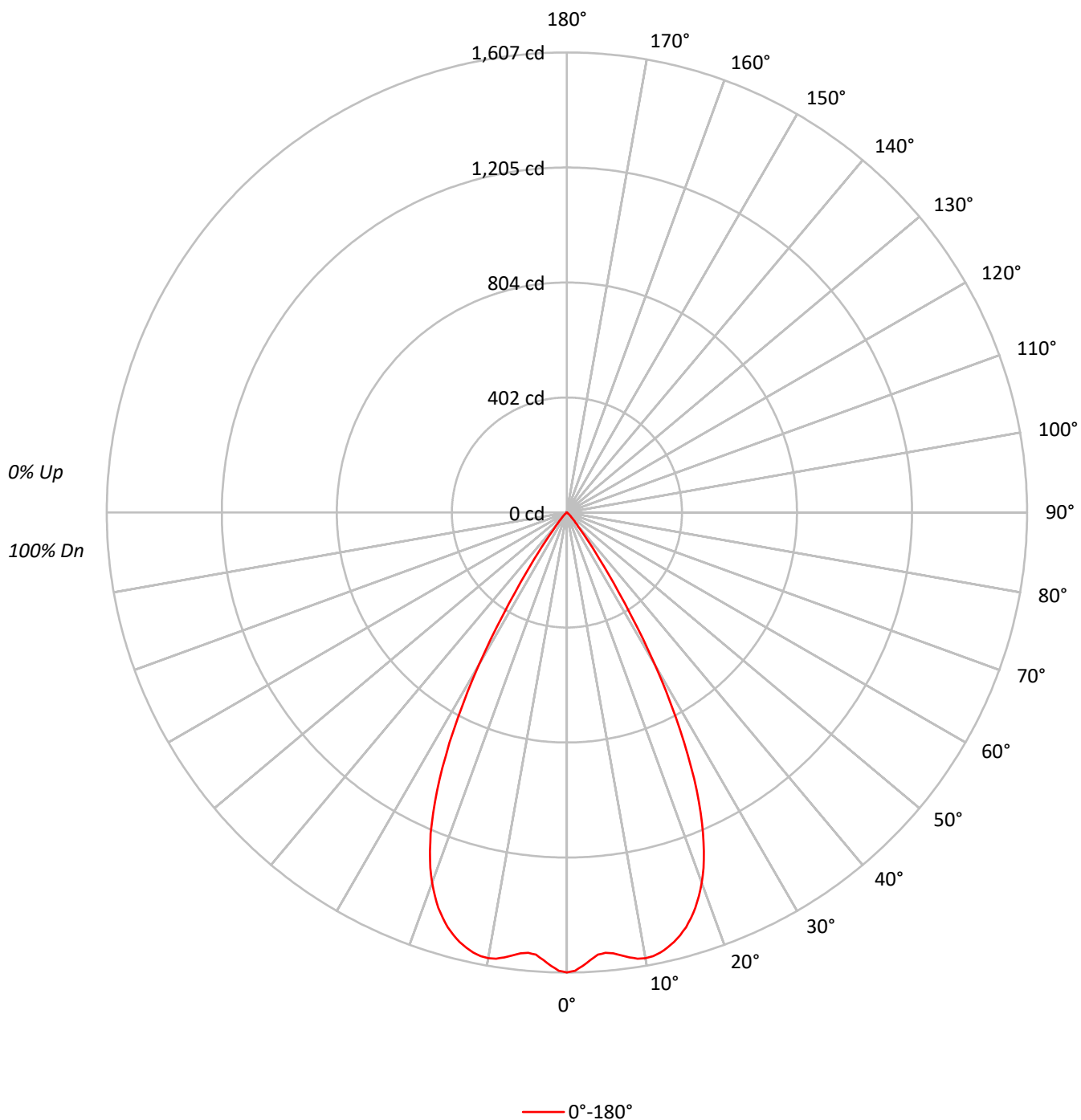
Lumens per Lamp: N/A  
Luminaire Lumens: 1215.0 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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  |
| 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 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 95  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  |  | 80  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 65  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 352340 |
| 5°  | 339863 |
| 10° | 352009 |
| 15° | 347062 |
| 20° | 321211 |
| 25° | 259757 |
| 30° | 155670 |
| 35° | 52762  |
| 40° | 14542  |
| 45° | 6450   |
| 50° | 1876   |
| 55° | 344    |
| 60° | 219    |
| 65° | 259    |
| 70° | 321    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6450 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.4  | 12.3      |
| 10°-20°   | 425.6  | 35.0      |
| 20°-30°   | 473.1  | 38.9      |
| 30°-40°   | 147.3  | 12.1      |
| 40°-50°   | 17.7   | 1.5       |
| 50°-60°   | 1.4    | 0.1       |
| 60°-70°   | 0.5    | 0.0       |
| 70°-80°   | 0.1    | 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°    | 1048.2 | 86.3      |
| 0°-40°    | 1195.4 | 98.4      |
| 0°-60°    | 1214.5 | 100.0     |
| 0°-90°    | 1215.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1215.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1607 |      |
| 5°  | 1544 | 149  |
| 15° | 1529 | 426  |
| 25° | 1074 | 473  |
| 35° | 197  | 147  |
| 45° | 21   | 18   |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1606.8 |
| 1°    | 1600.8 |
| 2°    | 1585.1 |
| 3°    | 1565.7 |
| 4°    | 1548.2 |
| 5°    | 1544.0 |
| 6°    | 1548.6 |
| 7°    | 1558.3 |
| 8°    | 1569.4 |
| 9°    | 1578.2 |
| 10°   | 1580.9 |
| 11°   | 1579.1 |
| 12°   | 1571.7 |
| 13°   | 1560.2 |
| 14°   | 1546.8 |
| 15°   | 1528.8 |
| 16°   | 1508.0 |
| 17°   | 1481.7 |
| 18°   | 1452.2 |
| 19°   | 1416.6 |
| 20°   | 1376.5 |
| 21°   | 1330.8 |
| 22°   | 1276.7 |
| 23°   | 1217.2 |
| 24°   | 1148.9 |
| 25°   | 1073.6 |
| 26°   | 991.0  |
| 27°   | 903.3  |
| 28°   | 809.6  |
| 29°   | 713.2  |
| 30°   | 614.8  |
| 31°   | 516.1  |
| 32°   | 419.6  |
| 32.5° | 376.7  |
| 33°   | 332.3  |
| 34°   | 257.1  |
| 35°   | 197.1  |
| 36°   | 150.0  |
| 37°   | 111.2  |
| 37.5° | 95.1   |
| 38°   | 82.6   |
| 39°   | 62.8   |
| 40°   | 50.8   |
| 42.5° | 32.3   |
| 45°   | 20.8   |

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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 12.5 |
| 50°   | 5.5  |
| 52.5° | 1.8  |
| 55°   | 0.9  |
| 57.5° | 0.5  |
| 60°   | 0.5  |
| 62.5° | 0.5  |
| 65°   | 0.5  |
| 67.5° | 0.5  |
| 70°   | 0.5  |
| 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)