

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: P1264762

Luminaire Tested: P3A09R509730DE010 E3D1WMH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1264762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R509730DE010 E3D1WMH  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

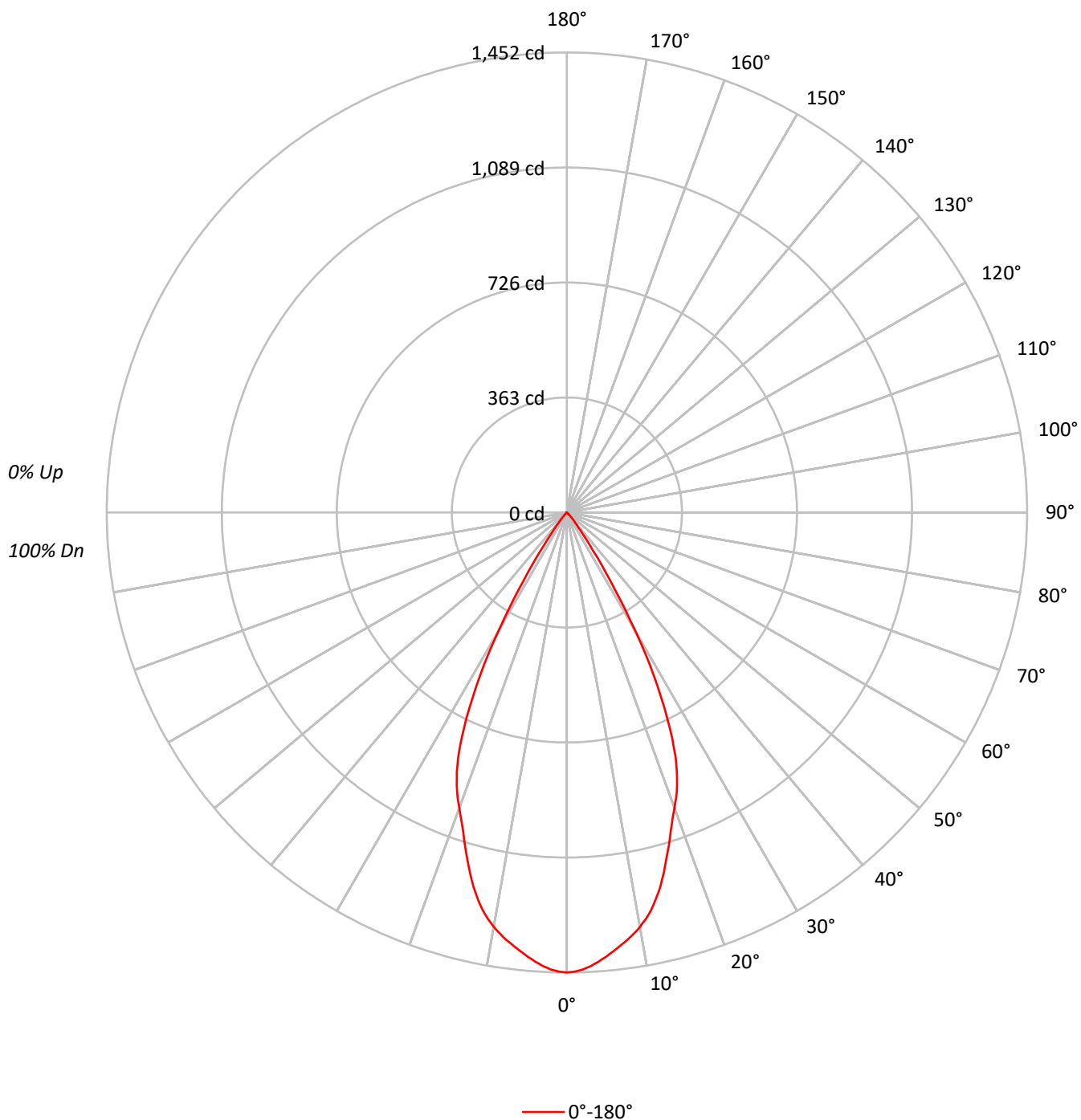
Lumens per Lamp: N/A  
Luminaire Lumens: 911.0 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1264762

CATALOG NUMBER: P3A09R509730DE010 E3D1WMH

### 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 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 105 | 104 | 102 |  | 102 | 101 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  |  | 88  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  |  | 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  | 70  |  | 77  | 73  | 70  |  | 76  |
| 8   | 84  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 69  | 66  |  | 73  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 63  |  | 70  | 66  | 63  |  | 70  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 318352 |
| 5°  | 309883 |
| 10° | 295719 |
| 15° | 267720 |
| 20° | 231603 |
| 25° | 189979 |
| 30° | 109131 |
| 35° | 33890  |
| 40° | 9103   |
| 45° | 3194   |
| 50° | 751    |
| 55° | 229    |
| 60° | 132    |
| 65° | 156    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3194 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.9  | 14.5      |
| 10°-20°   | 326.8  | 35.9      |
| 20°-30°   | 343.4  | 37.7      |
| 30°-40°   | 98.3   | 10.8      |
| 40°-50°   | 9.6    | 1.1       |
| 50°-60°   | 0.8    | 0.1       |
| 60°-70°   | 0.3    | 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°    | 802.0  | 88.0      |
| 0°-40°    | 900.3  | 98.8      |
| 0°-60°    | 910.7  | 100.0     |
| 0°-90°    | 911.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 911.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1452 |      |
| 5°  | 1408 | 132  |
| 15° | 1179 | 327  |
| 25° | 785  | 343  |
| 35° | 127  | 98   |
| 45° | 10   | 10   |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

TEST NUMBER: P1264762

CATALOG NUMBER: P3A09R509730DE010 E3D1WMH

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1451.8 |
| 1°    | 1449.6 |
| 2°    | 1443.2 |
| 3°    | 1433.8 |
| 4°    | 1421.3 |
| 5°    | 1407.8 |
| 6°    | 1393.3 |
| 7°    | 1377.9 |
| 8°    | 1363.4 |
| 9°    | 1346.7 |
| 10°   | 1328.1 |
| 11°   | 1306.6 |
| 12°   | 1281.8 |
| 13°   | 1250.9 |
| 14°   | 1217.5 |
| 15°   | 1179.3 |
| 16°   | 1138.8 |
| 17°   | 1099.6 |
| 18°   | 1059.4 |
| 19°   | 1024.0 |
| 20°   | 992.5  |
| 21°   | 962.3  |
| 22°   | 927.9  |
| 23°   | 888.4  |
| 24°   | 842.1  |
| 25°   | 785.2  |
| 26°   | 723.5  |
| 27°   | 654.7  |
| 28°   | 586.3  |
| 29°   | 512.3  |
| 30°   | 431.0  |
| 31°   | 354.8  |
| 32°   | 284.8  |
| 32.5° | 254.2  |
| 33°   | 223.4  |
| 34°   | 171.3  |
| 35°   | 126.6  |
| 36°   | 92.9   |
| 37°   | 69.1   |
| 37.5° | 59.8   |
| 38°   | 51.7   |
| 39°   | 40.2   |
| 40°   | 31.8   |
| 42.5° | 18.0   |
| 45°   | 10.3   |

TEST NUMBER: P1264762

CATALOG NUMBER: P3A09R509730DE010 E3D1WMH

**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 5.8 |
| 50°   | 2.2 |
| 52.5° | 1.0 |
| 55°   | 0.6 |
| 57.5° | 0.6 |
| 60°   | 0.3 |
| 62.5° | 0.3 |
| 65°   | 0.3 |
| 67.5° | 0.3 |
| 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)