

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: P1266955

Luminaire Tested: P3A09R159735DE010 E3DLP1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1266955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R159735DE010 E3DLP1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

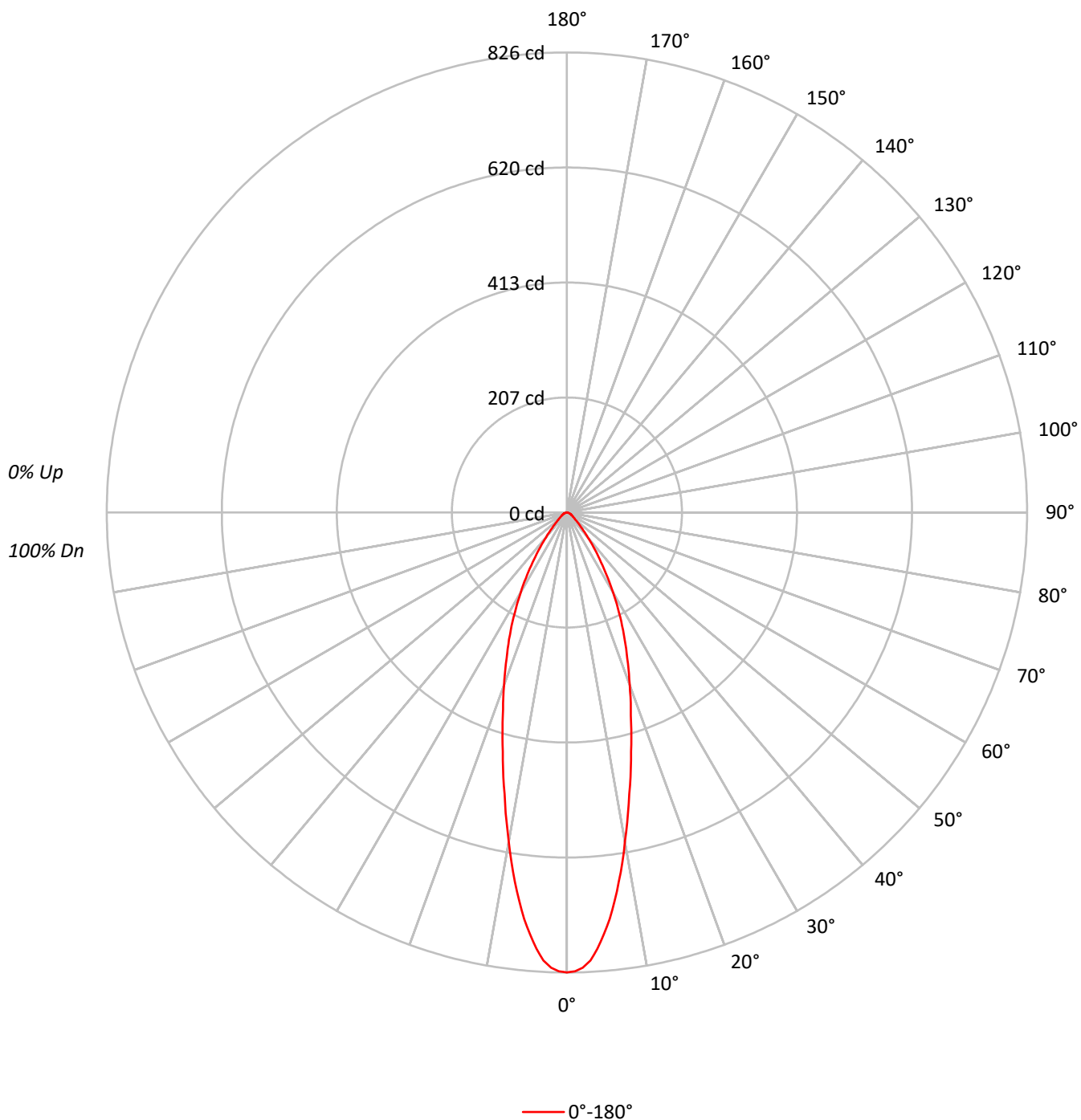
Lumens per Lamp: N/A  
Luminaire Lumens: 420.0 lumens  
Efficiency: N/A  
Efficacy: 37.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1266955

CATALOG NUMBER: P3A09R159735DE010 E3DLP1WMH

### Luminous Intensity Polar Plot



TEST NUMBER: P1266955

CATALOG NUMBER: P3A09R159735DE010 E3DLP1WMH

**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   | 113 | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 |  | 100 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 90  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 82  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  |  | 80  | 76  | 72  |  | 78  |
| 6   | 88  | 79  | 73  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 69  |  | 76  | 71  | 68  |  | 74  |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 69  | 65  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  |
| 9   | 77  | 68  | 62  | 58  | 76  | 67  | 62  | 58  | 66  | 61  | 58  |  | 65  | 61  | 57  |  | 64  |
| 10  | 74  | 64  | 59  | 55  | 73  | 64  | 59  | 55  | 63  | 58  | 55  |  | 62  | 58  | 55  |  | 62  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 181104 |
| 5°  | 167400 |
| 10° | 133643 |
| 15° | 100954 |
| 20° | 76867  |
| 25° | 58576  |
| 30° | 41956  |
| 35° | 27385  |
| 40° | 16803  |
| 45° | 10141  |
| 50° | 6755   |
| 55° | 5199   |
| 60° | 4473   |
| 65° | 3891   |
| 70° | 3526   |
| 75° | 3474   |
| 80° | 2526   |
| 85° | 1761   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 10141 cd/sqm

TEST NUMBER: P1266955

CATALOG NUMBER: P3A09R159735DE010 E3DLP1WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.4   | 16.0      |
| 10°-20°   | 124.3  | 29.6      |
| 20°-30°   | 110.7  | 26.3      |
| 30°-40°   | 65.5   | 15.6      |
| 40°-50°   | 26.9   | 6.4       |
| 50°-60°   | 12.6   | 3.0       |
| 60°-70°   | 7.7    | 1.8       |
| 70°-80°   | 4.0    | 1.0       |
| 80°-90°   | 1.0    | 0.2       |
| 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°    | 302.3  | 72.0      |
| 0°-40°    | 367.8  | 87.6      |
| 0°-60°    | 407.2  | 97.0      |
| 0°-90°    | 420.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 420.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 826 |      |
| 5°  | 760 | 67   |
| 15° | 445 | 124  |
| 25° | 242 | 111  |
| 35° | 102 | 65   |
| 45° | 33  | 27   |
| 55° | 14  | 13   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

TEST NUMBER: P1266955

CATALOG NUMBER: P3A09R159735DE010 E3DLP1WMH

**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 825.9 |
| 1°    | 823.9 |
| 2°    | 817.8 |
| 3°    | 805.5 |
| 4°    | 785.0 |
| 5°    | 760.5 |
| 6°    | 733.9 |
| 7°    | 702.5 |
| 8°    | 669.8 |
| 9°    | 636.3 |
| 10°   | 600.2 |
| 12.5° | 517.7 |
| 15°   | 444.7 |
| 17.5° | 381.9 |
| 20°   | 329.4 |
| 22.5° | 283.0 |
| 25°   | 242.1 |
| 27.5° | 202.6 |
| 30°   | 165.7 |
| 32.5° | 132.3 |
| 35°   | 102.3 |
| 37.5° | 78.4  |
| 40°   | 58.7  |
| 42.5° | 43.7  |
| 45°   | 32.7  |
| 47.5° | 25.2  |
| 50°   | 19.8  |
| 52.5° | 16.4  |
| 55°   | 13.6  |
| 57.5° | 11.6  |
| 60°   | 10.2  |
| 62.5° | 8.9   |
| 65°   | 7.5   |
| 67.5° | 6.8   |
| 70°   | 5.5   |
| 72.5° | 4.8   |
| 75°   | 4.1   |
| 77.5° | 2.7   |
| 80°   | 2.0   |
| 82.5° | 1.4   |
| 85°   | 0.7   |
| 87.5° | 0.7   |
| 90°   | 0.0   |

(END OF REPORT)