

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: P1254175

Luminaire Tested: P3AS09R159035DE010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1254175  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R159035DE010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

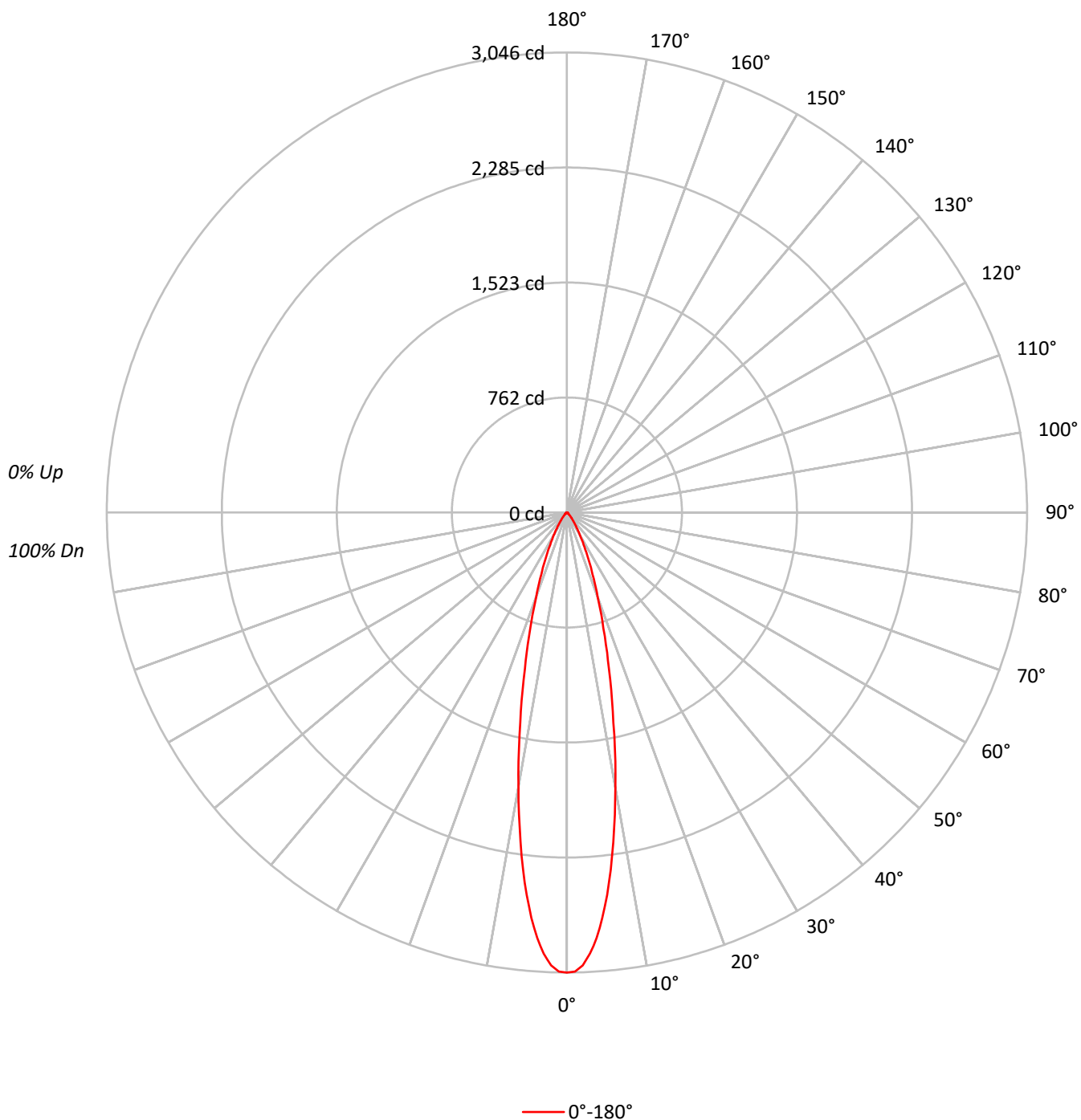
Lumens per Lamp: N/A  
Luminaire Lumens: 782.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1254175

CATALOG NUMBER: P3AS09R159035DE010 E3DL1WMH

### 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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  |  | 98  | 96  | 95  |  | 96  |
| 3   | 106 | 101 | 97  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 91  |  | 94  | 92  | 90  |  | 92  |
| 4   | 102 | 96  | 92  | 88  | 100 | 95  | 91  | 88  | 93  | 89  | 87  |  | 91  | 88  | 86  |  | 89  |
| 5   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 83  | 89  | 85  | 83  |  | 88  | 84  | 82  |  | 86  |
| 6   | 95  | 88  | 83  | 80  | 94  | 87  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 79  |  | 83  |
| 7   | 92  | 85  | 80  | 77  | 91  | 84  | 80  | 76  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  |
| 8   | 89  | 81  | 77  | 74  | 88  | 81  | 77  | 73  | 80  | 76  | 73  |  | 79  | 75  | 73  |  | 78  |
| 9   | 86  | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  |  | 77  | 73  | 70  |  | 76  |
| 10  | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 71  | 68  |  | 74  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 668039 |
| 5°  | 592977 |
| 10° | 411794 |
| 15° | 243520 |
| 20° | 138705 |
| 25° | 79287  |
| 30° | 43880  |
| 35° | 23396  |
| 40° | 12939  |
| 45° | 7008   |
| 50° | 4367   |
| 55° | 3441   |
| 60° | 2982   |
| 65° | 2750   |
| 70° | 2436   |
| 75° | 2542   |
| 80° | 1894   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 7008 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 229.1  | 29.3      |
| 10°-20°   | 302.3  | 38.7      |
| 20°-30°   | 155.7  | 19.9      |
| 30°-40°   | 58.5   | 7.5       |
| 40°-50°   | 19.1   | 2.4       |
| 50°-60°   | 8.2    | 1.0       |
| 60°-70°   | 5.2    | 0.7       |
| 70°-80°   | 3.1    | 0.4       |
| 80°-90°   | 0.8    | 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°    | 687.1  | 87.9      |
| 0°-40°    | 745.5  | 95.3      |
| 0°-60°    | 772.9  | 98.8      |
| 0°-90°    | 782.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 782.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3046 |      |
| 5°  | 2694 | 229  |
| 15° | 1073 | 302  |
| 25° | 328  | 156  |
| 35° | 87   | 58   |
| 45° | 23   | 19   |
| 55° | 9    | 8    |
| 65° | 5    | 5    |
| 75° | 3    | 3    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3046.5 |
| 1°    | 3040.4 |
| 2°    | 3000.5 |
| 3°    | 2924.4 |
| 4°    | 2824.2 |
| 5°    | 2693.9 |
| 6°    | 2546.3 |
| 7°    | 2384.3 |
| 8°    | 2204.3 |
| 9°    | 2026.5 |
| 10°   | 1849.4 |
| 12.5° | 1423.0 |
| 15°   | 1072.7 |
| 17.5° | 803.1  |
| 20°   | 594.4  |
| 22.5° | 443.7  |
| 25°   | 327.7  |
| 27.5° | 238.8  |
| 30°   | 173.3  |
| 32.5° | 122.8  |
| 35°   | 87.4   |
| 37.5° | 62.5   |
| 40°   | 45.2   |
| 42.5° | 32.4   |
| 45°   | 22.6   |
| 47.5° | 16.6   |
| 50°   | 12.8   |
| 52.5° | 10.5   |
| 55°   | 9.0    |
| 57.5° | 7.5    |
| 60°   | 6.8    |
| 62.5° | 6.0    |
| 65°   | 5.3    |
| 67.5° | 4.5    |
| 70°   | 3.8    |
| 72.5° | 3.8    |
| 75°   | 3.0    |
| 77.5° | 2.3    |
| 80°   | 1.5    |
| 82.5° | 1.5    |
| 85°   | 0.8    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)