

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: P1248397

Luminaire Tested: P3AS05R159027DE010 E3DLP1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1248397  
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: P3AS05R159027DE010 E3DLP1WMH  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

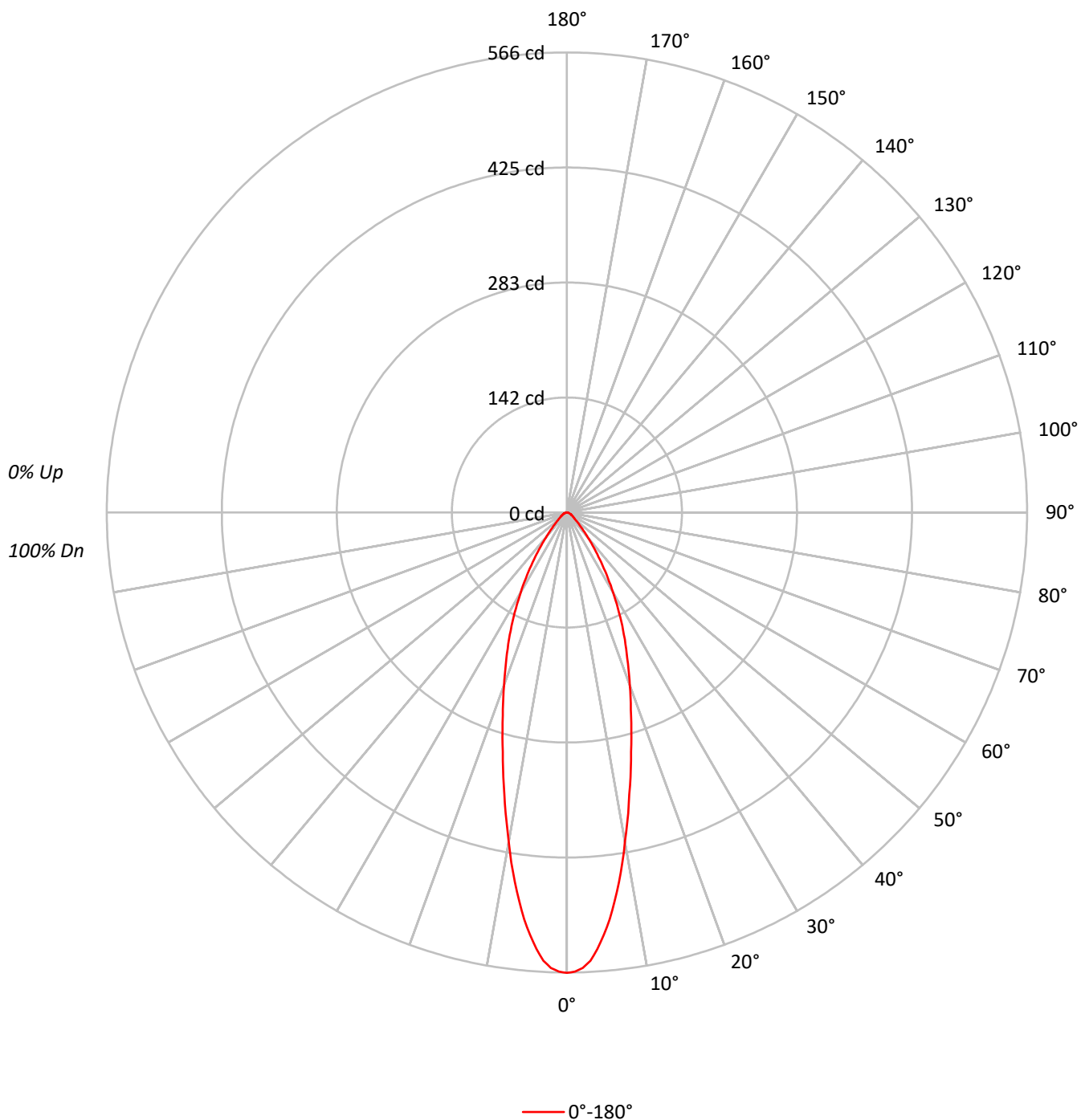
Lumens per Lamp: N/A  
Luminaire Lumens: 288.0 lumens  
Efficiency: N/A  
Efficacy: 40.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 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°  | 124201 |
| 5°  | 114792 |
| 10° | 91648  |
| 15° | 69217  |
| 20° | 52715  |
| 25° | 40164  |
| 30° | 28764  |
| 35° | 18792  |
| 40° | 11507  |
| 45° | 6946   |
| 50° | 4640   |
| 55° | 3594   |
| 60° | 3070   |
| 65° | 2646   |
| 70° | 2372   |
| 75° | 2372   |
| 80° | 1768   |
| 85° | 1258   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6946 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.2   | 16.0      |
| 10°-20°   | 85.2   | 29.6      |
| 20°-30°   | 75.9   | 26.3      |
| 30°-40°   | 44.9   | 15.6      |
| 40°-50°   | 18.4   | 6.4       |
| 50°-60°   | 8.7    | 3.0       |
| 60°-70°   | 5.3    | 1.8       |
| 70°-80°   | 2.8    | 1.0       |
| 80°-90°   | 0.7    | 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°    | 207.3  | 72.0      |
| 0°-40°    | 252.2  | 87.6      |
| 0°-60°    | 279.3  | 97.0      |
| 0°-90°    | 288.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 288.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 566 |      |
| 5°  | 522 | 46   |
| 15° | 305 | 85   |
| 25° | 166 | 76   |
| 35° | 70  | 45   |
| 45° | 22  | 18   |
| 55° | 9   | 9    |
| 65° | 5   | 5    |
| 75° | 3   | 3    |
| 85° | 0   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 566.4 |
| 1°    | 565.0 |
| 2°    | 560.7 |
| 3°    | 552.3 |
| 4°    | 538.3 |
| 5°    | 521.5 |
| 6°    | 503.2 |
| 7°    | 481.7 |
| 8°    | 459.3 |
| 9°    | 436.3 |
| 10°   | 411.6 |
| 12.5° | 355.0 |
| 15°   | 304.9 |
| 17.5° | 261.9 |
| 20°   | 225.9 |
| 22.5° | 194.1 |
| 25°   | 166.0 |
| 27.5° | 138.9 |
| 30°   | 113.6 |
| 32.5° | 90.7  |
| 35°   | 70.2  |
| 37.5° | 53.8  |
| 40°   | 40.2  |
| 42.5° | 29.9  |
| 45°   | 22.4  |
| 47.5° | 17.3  |
| 50°   | 13.6  |
| 52.5° | 11.2  |
| 55°   | 9.4   |
| 57.5° | 8.0   |
| 60°   | 7.0   |
| 62.5° | 6.1   |
| 65°   | 5.1   |
| 67.5° | 4.7   |
| 70°   | 3.7   |
| 72.5° | 3.3   |
| 75°   | 2.8   |
| 77.5° | 1.9   |
| 80°   | 1.4   |
| 82.5° | 0.9   |
| 85°   | 0.5   |
| 87.5° | 0.5   |
| 90°   | 0.0   |

(END OF REPORT)