

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: P1253771

Luminaire Tested: P3AS05R129035DE010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

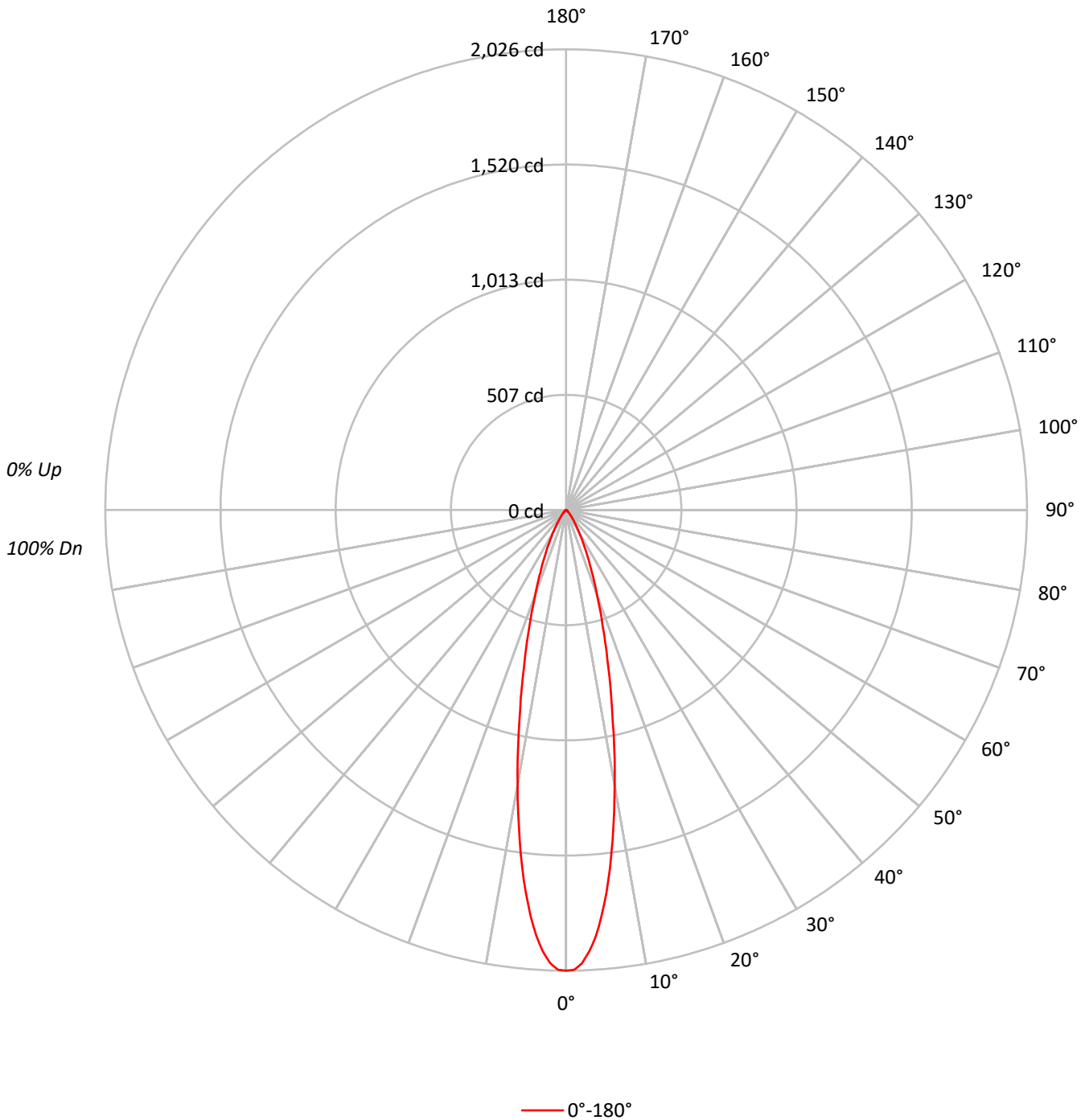
Test Method: LM-79-2019  
Report Number: P1253771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS05R129035DE010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R12 optic, 3500K CCT AND, 90CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 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): 7.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 98  | 97  | 95  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 97  | 98  | 96  | 95  | 96  | 94  | 93  | 96  | 94  | 93  | 91  |
| 3   | 106 | 101 | 97  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 91  | 94  | 92  | 90  | 92  | 90  | 88  | 92  | 90  | 88  | 87  |
| 4   | 102 | 96  | 92  | 88  | 100 | 95  | 91  | 88  | 93  | 89  | 87  | 91  | 88  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 83  |
| 5   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  |
| 6   | 95  | 88  | 83  | 80  | 94  | 87  | 83  | 80  | 86  | 82  | 79  | 85  | 81  | 79  | 83  | 80  | 78  | 83  | 80  | 78  | 77  |
| 7   | 92  | 85  | 80  | 77  | 91  | 84  | 80  | 76  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 81  | 78  | 75  | 74  |
| 8   | 89  | 81  | 77  | 74  | 88  | 81  | 77  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 78  | 75  | 73  | 72  |
| 9   | 86  | 79  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 76  | 73  | 70  | 69  |
| 10  | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 74  | 70  | 68  | 74  | 70  | 68  | 67  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 444219 |
| 5°  | 394320 |
| 10° | 273831 |
| 15° | 161931 |
| 20° | 92221  |
| 25° | 52721  |
| 30° | 29169  |
| 35° | 15553  |
| 40° | 8616   |
| 45° | 4652   |
| 50° | 2900   |
| 55° | 2294   |
| 60° | 1974   |
| 65° | 1816   |
| 70° | 1603   |
| 75° | 1694   |
| 80° | 1263   |
| 85° | 1258   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4652 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 152.3  | 29.3      |
| 10°-20°   | 201.0  | 38.7      |
| 20°-30°   | 103.5  | 19.9      |
| 30°-40°   | 38.9   | 7.5       |
| 40°-50°   | 12.7   | 2.4       |
| 50°-60°   | 5.5    | 1.1       |
| 60°-70°   | 3.5    | 0.7       |
| 70°-80°   | 2.0    | 0.4       |
| 80°-90°   | 0.5    | 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       |
| 0°-30°    | 456.9  | 87.9      |
| 0°-40°    | 495.8  | 95.3      |
| 0°-60°    | 513.9  | 98.8      |
| 0°-90°    | 520.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 520.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2026 |      |
| 5°  | 1791 | 152  |
| 15° | 713  | 201  |
| 25° | 218  | 104  |
| 35° | 58   | 39   |
| 45° | 15   | 13   |
| 55° | 6    | 5    |
| 65° | 4    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2025.8 |
| 1°    | 2021.8 |
| 2°    | 1995.2 |
| 3°    | 1944.6 |
| 4°    | 1878.0 |
| 5°    | 1791.4 |
| 6°    | 1693.2 |
| 7°    | 1585.5 |
| 8°    | 1465.7 |
| 9°    | 1347.5 |
| 10°   | 1229.8 |
| 12.5° | 946.3  |
| 15°   | 713.3  |
| 17.5° | 534.0  |
| 20°   | 395.2  |
| 22.5° | 295.1  |
| 25°   | 217.9  |
| 27.5° | 158.8  |
| 30°   | 115.2  |
| 32.5° | 81.7   |
| 35°   | 58.1   |
| 37.5° | 41.6   |
| 40°   | 30.1   |
| 42.5° | 21.5   |
| 45°   | 15.0   |
| 47.5° | 11.0   |
| 50°   | 8.5    |
| 52.5° | 7.0    |
| 55°   | 6.0    |
| 57.5° | 5.0    |
| 60°   | 4.5    |
| 62.5° | 4.0    |
| 65°   | 3.5    |
| 67.5° | 3.0    |
| 70°   | 2.5    |
| 72.5° | 2.5    |
| 75°   | 2.0    |
| 77.5° | 1.5    |
| 80°   | 1.0    |
| 82.5° | 1.0    |
| 85°   | 0.5    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)