

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: P1247853

Luminaire Tested: P3A20R709024D010 E3DLP1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R709024D010 E3DLP1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3DLP1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

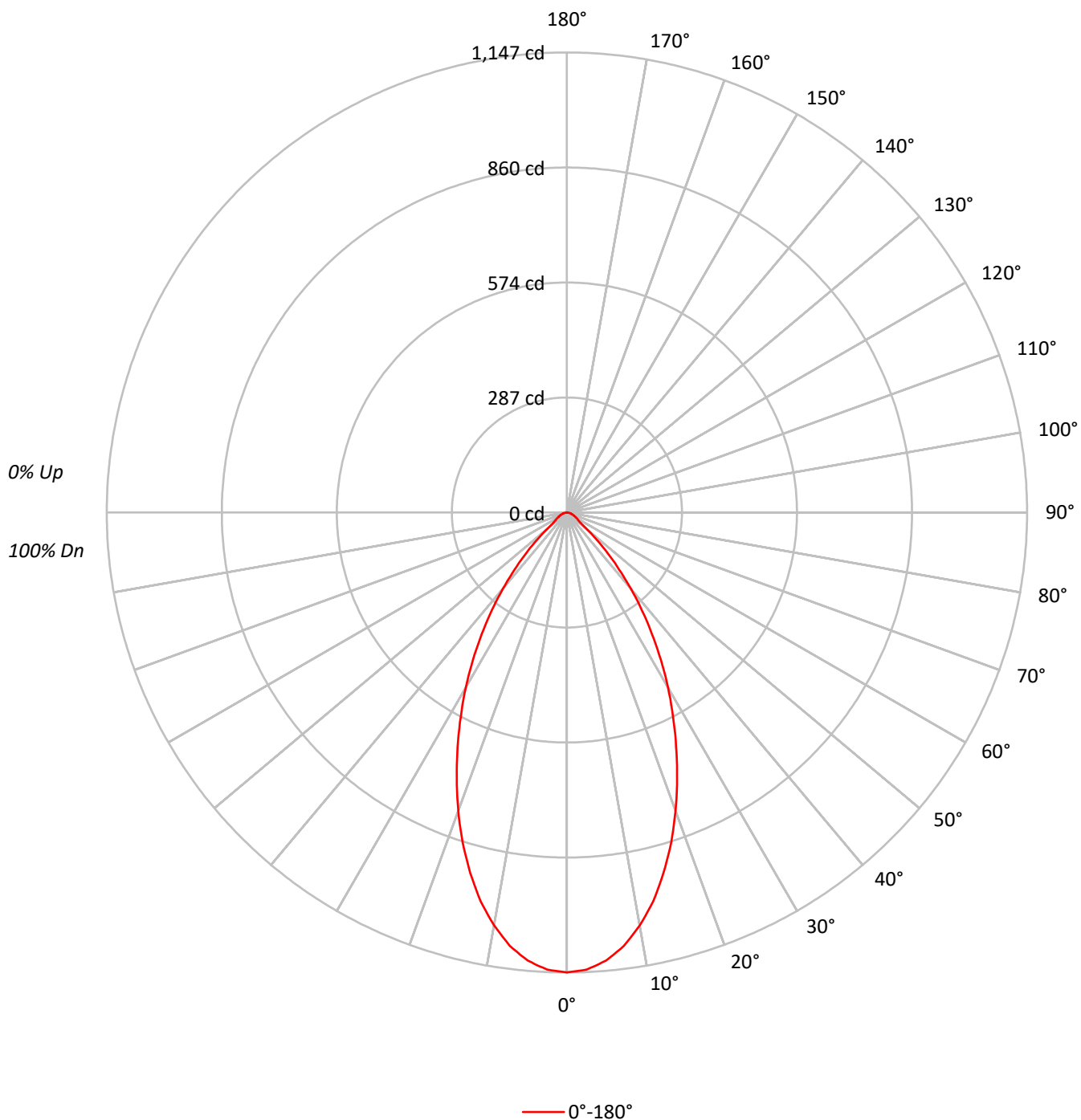
Lumens per Lamp: N/A  
Luminaire Lumens: 1072.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 |  | 100 | 98  | 97  |  | 96  |
| 2   | 106 | 101 | 97  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  |  | 93  | 90  | 88  |  | 90  |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 83  | 89  | 85  | 81  |  | 87  | 83  | 80  |  | 84  |
| 4   | 95  | 86  | 80  | 76  | 93  | 85  | 80  | 75  | 83  | 78  | 74  |  | 81  | 77  | 73  |  | 79  |
| 5   | 89  | 80  | 74  | 69  | 88  | 79  | 73  | 69  | 78  | 72  | 68  |  | 76  | 71  | 68  |  | 74  |
| 6   | 85  | 75  | 68  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  |  | 71  | 66  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 62  | 58  |  | 67  | 62  | 58  |  | 66  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  |  | 63  | 58  | 54  |  | 62  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  |
| 10  | 69  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  |  | 56  | 51  | 48  |  | 55  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 251449 |
| 5°  | 246841 |
| 10° | 232750 |
| 15° | 211238 |
| 20° | 184769 |
| 25° | 155864 |
| 30° | 127615 |
| 35° | 98993  |
| 40° | 70847  |
| 45° | 44842  |
| 50° | 22379  |
| 55° | 13686  |
| 60° | 11753  |
| 65° | 10844  |
| 70° | 9553   |
| 75° | 8811   |
| 80° | 7577   |
| 85° | 7548   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44842 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.6  | 9.8       |
| 10°-20°   | 258.9  | 24.2      |
| 20°-30°   | 294.9  | 27.5      |
| 30°-40°   | 230.6  | 21.5      |
| 40°-50°   | 113.3  | 10.6      |
| 50°-60°   | 34.8   | 3.2       |
| 60°-70°   | 20.7   | 1.9       |
| 70°-80°   | 11.0   | 1.0       |
| 80°-90°   | 3.3    | 0.3       |
| 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°    | 658.4  | 61.4      |
| 0°-40°    | 889.0  | 82.9      |
| 0°-60°    | 1037.1 | 96.7      |
| 0°-90°    | 1072.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1072.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1147 |      |
| 5°  | 1121 | 105  |
| 15° | 930  | 259  |
| 25° | 644  | 295  |
| 35° | 370  | 231  |
| 45° | 145  | 113  |
| 55° | 36   | 35   |
| 65° | 21   | 21   |
| 75° | 10   | 11   |
| 85° | 3    | 3    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1146.7 |
| 2.5°  | 1140.7 |
| 5°    | 1121.4 |
| 7.5°  | 1090.0 |
| 10°   | 1045.3 |
| 12.5° | 993.1  |
| 15°   | 930.5  |
| 17.5° | 863.4  |
| 20°   | 791.8  |
| 22.5° | 717.2  |
| 25°   | 644.2  |
| 27.5° | 572.6  |
| 30°   | 504.0  |
| 32.5° | 435.4  |
| 35°   | 369.8  |
| 37.5° | 307.2  |
| 40°   | 247.5  |
| 42.5° | 192.4  |
| 45°   | 144.6  |
| 47.5° | 101.4  |
| 50°   | 65.6   |
| 52.5° | 43.2   |
| 55°   | 35.8   |
| 57.5° | 31.3   |
| 60°   | 26.8   |
| 62.5° | 23.9   |
| 65°   | 20.9   |
| 67.5° | 17.9   |
| 70°   | 14.9   |
| 72.5° | 11.9   |
| 75°   | 10.4   |
| 77.5° | 8.9    |
| 80°   | 6.0    |
| 82.5° | 4.5    |
| 85°   | 3.0    |
| 87.5° | 1.5    |
| 90°   | 0.0    |

(END OF REPORT)