

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: P1263402

Luminaire Tested: P3A20R309727D010 E3D1WH

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1263402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R309727D010 E3D1WH  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

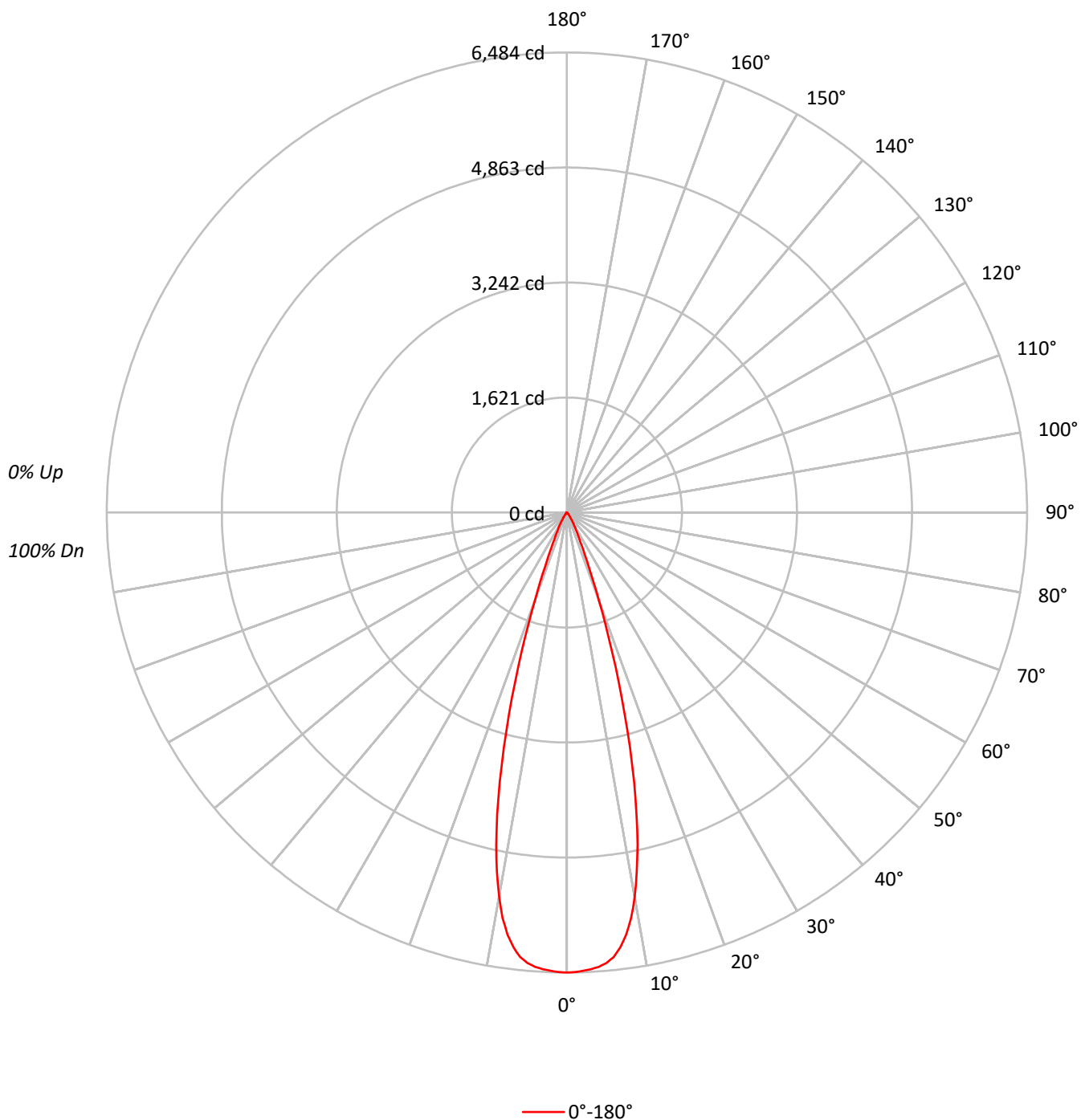
Lumens per Lamp: N/A  
Luminaire Lumens: 1787.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 95  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 89 | 88 |
| 4   | 105 | 99  | 95  | 92  | 103 | 98  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 101 | 96  | 92  | 89  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 84 | 83 |
| 6   | 99  | 92  | 88  | 85  | 97  | 92  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 81 | 80 |
| 7   | 96  | 89  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 80  | 79 | 78 |
| 8   | 93  | 87  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 77 | 76 |
| 9   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 75 | 74 |
| 10  | 88  | 82  | 78  | 75  | 88  | 81  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 80  | 77  | 75  | 74  | 73 | 72 |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1421794 |
| 5°  | 1403254 |
| 10° | 1225161 |
| 15° | 778733  |
| 20° | 308540  |
| 25° | 103046  |
| 30° | 47957   |
| 35° | 21737   |
| 40° | 8330    |
| 45° | 4093    |
| 50° | 1194    |
| 55° | 535     |
| 60° | 307     |
| 65° | 363     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4093 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 582.8  | 32.6      |
| 10°-20°   | 903.8  | 50.6      |
| 20°-30°   | 233.1  | 13.0      |
| 30°-40°   | 54.7   | 3.1       |
| 40°-50°   | 10.7   | 0.6       |
| 50°-60°   | 1.2    | 0.1       |
| 60°-70°   | 0.6    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1719.8 | 96.2      |
| 0°-40°    | 1774.5 | 99.3      |
| 0°-60°    | 1786.4 | 100.0     |
| 0°-90°    | 1787.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1787.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6484 |      |
| 5°  | 6375 | 583  |
| 15° | 3430 | 904  |
| 25° | 426  | 233  |
| 35° | 81   | 55   |
| 45° | 13   | 11   |
| 55° | 1    | 1    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6483.9 |
| 1°    | 6479.0 |
| 2°    | 6463.8 |
| 3°    | 6446.4 |
| 4°    | 6420.8 |
| 5°    | 6375.0 |
| 6°    | 6300.8 |
| 7°    | 6177.3 |
| 8°    | 6008.7 |
| 9°    | 5788.8 |
| 10°   | 5502.3 |
| 11°   | 5161.7 |
| 12°   | 4789.9 |
| 13°   | 4361.9 |
| 14°   | 3913.8 |
| 15°   | 3430.3 |
| 16°   | 2956.5 |
| 17°   | 2500.0 |
| 18°   | 2062.3 |
| 19°   | 1660.7 |
| 20°   | 1322.2 |
| 21°   | 1040.5 |
| 22°   | 818.6  |
| 23°   | 647.9  |
| 24°   | 518.9  |
| 25°   | 425.9  |
| 26°   | 355.2  |
| 27°   | 301.8  |
| 28°   | 260.8  |
| 29°   | 223.4  |
| 30°   | 189.4  |
| 32.5° | 119.3  |
| 35°   | 81.2   |
| 37.5° | 50.6   |
| 40°   | 29.1   |
| 42.5° | 19.4   |
| 45°   | 13.2   |
| 47.5° | 7.6    |
| 50°   | 3.5    |
| 52.5° | 1.4    |
| 55°   | 1.4    |
| 57.5° | 0.7    |
| 60°   | 0.7    |
| 62.5° | 0.7    |
| 65°   | 0.7    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 67.5° | 0.7 |
| 70°   | 0.0 |
| 72.5° | 0.0 |
| 75°   | 0.0 |
| 77.5° | 0.0 |
| 80°   | 0.0 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)