

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: P1267907

Luminaire Tested: P3A17R509735DE010 E3DLD1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1267907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R509735DE010 E3DLD1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

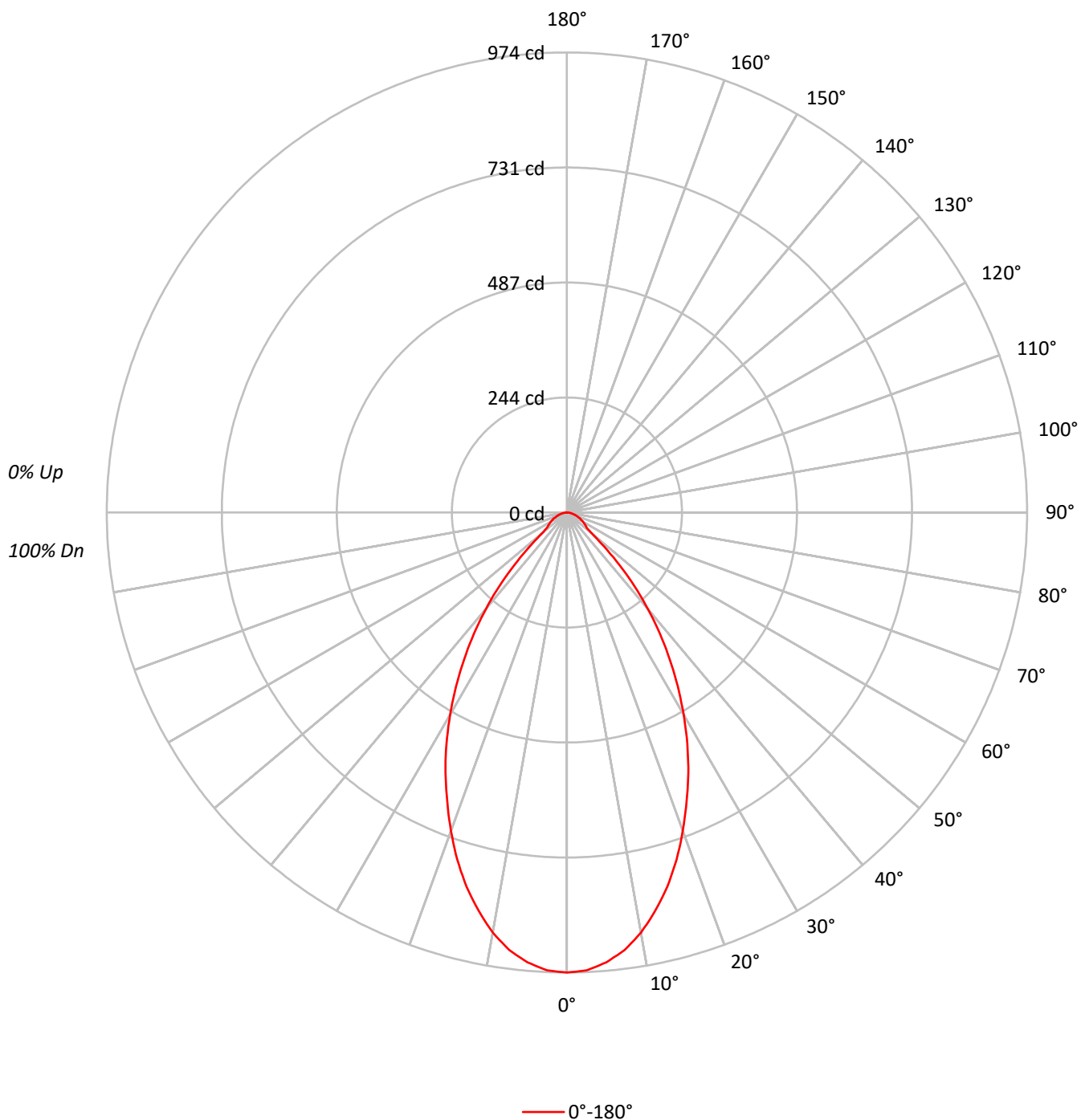
Lumens per Lamp: N/A  
Luminaire Lumens: 1051.0 lumens  
Efficiency: N/A  
Efficacy: 49.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  | 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 |    |    |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 93  | 85  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 69  |    |    |
| 5   | 88  | 78  | 72  | 67  | 86  | 77  | 71  | 66  | 75  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 63  |    |    |
| 6   | 83  | 73  | 66  | 61  | 81  | 72  | 65  | 61  | 70  | 65  | 60  | 69  | 64  | 60  | 67  | 63  | 59  | 58  |    |    |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 63  | 59  | 55  | 53  |    |    |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 50  |    |    |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |    |    |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 54  | 48  | 45  | 53  | 48  | 45  | 43  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 213579 |
| 5°  | 210433 |
| 10° | 201110 |
| 15° | 186267 |
| 20° | 167385 |
| 25° | 147154 |
| 30° | 125133 |
| 35° | 101482 |
| 40° | 76229  |
| 45° | 49090  |
| 50° | 23334  |
| 55° | 18351  |
| 60° | 17367  |
| 65° | 16189  |
| 70° | 14618  |
| 75° | 13217  |
| 80° | 12123  |
| 85° | 12077  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49090 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.6   | 8.5       |
| 10°-20°   | 228.8  | 21.8      |
| 20°-30°   | 277.9  | 26.4      |
| 30°-40°   | 235.7  | 22.4      |
| 40°-50°   | 122.4  | 11.6      |
| 50°-60°   | 44.2   | 4.2       |
| 60°-70°   | 30.6   | 2.9       |
| 70°-80°   | 16.6   | 1.6       |
| 80°-90°   | 5.2    | 0.5       |
| 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°    | 596.3  | 56.7      |
| 0°-40°    | 832.0  | 79.2      |
| 0°-60°    | 998.6  | 95.0      |
| 0°-90°    | 1051.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1051.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 974 |      |
| 5°  | 956 | 90   |
| 15° | 820 | 229  |
| 25° | 608 | 278  |
| 35° | 379 | 236  |
| 45° | 158 | 122  |
| 55° | 48  | 44   |
| 65° | 31  | 31   |
| 75° | 16  | 17   |
| 85° | 5   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 974.0 |
| 2.5°  | 970.4 |
| 5°    | 956.0 |
| 7.5°  | 934.4 |
| 10°   | 903.2 |
| 12.5° | 863.7 |
| 15°   | 820.5 |
| 17.5° | 771.3 |
| 20°   | 717.3 |
| 22.5° | 662.1 |
| 25°   | 608.2 |
| 27.5° | 551.8 |
| 30°   | 494.2 |
| 32.5° | 436.6 |
| 35°   | 379.1 |
| 37.5° | 322.7 |
| 40°   | 266.3 |
| 42.5° | 212.3 |
| 45°   | 158.3 |
| 47.5° | 105.6 |
| 50°   | 68.4  |
| 52.5° | 52.8  |
| 55°   | 48.0  |
| 57.5° | 43.2  |
| 60°   | 39.6  |
| 62.5° | 34.8  |
| 65°   | 31.2  |
| 67.5° | 26.4  |
| 70°   | 22.8  |
| 72.5° | 19.2  |
| 75°   | 15.6  |
| 77.5° | 12.0  |
| 80°   | 9.6   |
| 82.5° | 7.2   |
| 85°   | 4.8   |
| 87.5° | 2.4   |
| 90°   | 0.0   |

(END OF REPORT)