

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: P1301028

Luminaire Tested: P3A17R40W2N902765DE010 E3DLD1WH\_6500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R40W2N902765DE010 E3DLD1WH\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 6500K CCT AND, 90CRI ,  
E3DLD1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

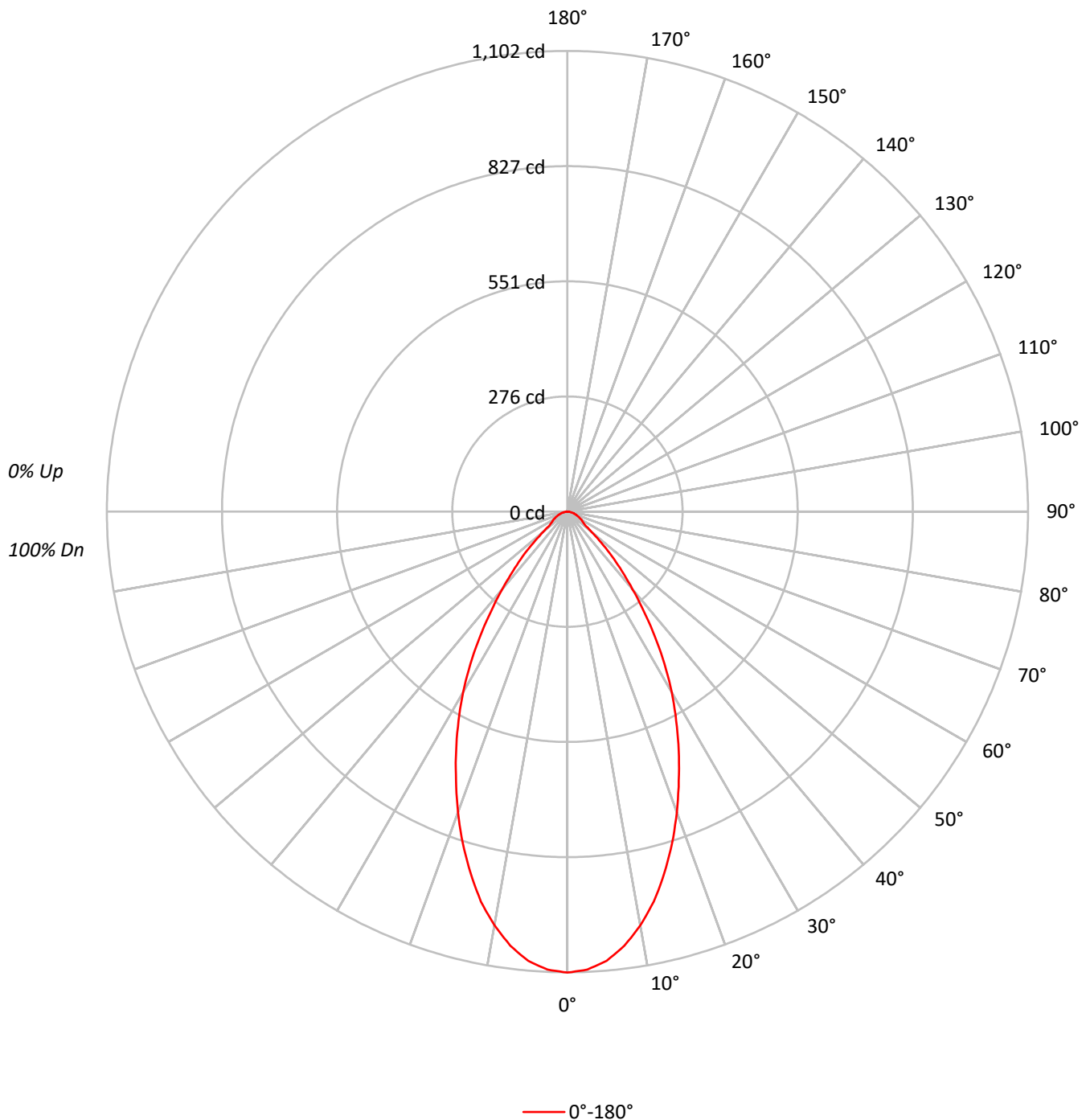
Lumens per Lamp: N/A  
Luminaire Lumens: 1077.0 lumens  
Efficiency: N/A  
Efficacy: 55.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.4  
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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 78  | 76  |    |    |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  | 80  | 75  | 72  | 78  | 74  | 71  | 69  |    |    |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |    |    |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 61  | 59  |    |    |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 53  | 62  | 56  | 53  | 61  | 56  | 52  | 51  |    |    |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 45  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 241757 |
| 5°  | 237376 |
| 10° | 223754 |
| 15° | 203247 |
| 20° | 178539 |
| 25° | 152477 |
| 30° | 126323 |
| 35° | 97413  |
| 40° | 69330  |
| 45° | 46703  |
| 50° | 25483  |
| 55° | 17968  |
| 60° | 16928  |
| 65° | 15618  |
| 70° | 13913  |
| 75° | 13302  |
| 80° | 10607  |
| 85° | 9057   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46703 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.6  | 9.3       |
| 10°-20°   | 249.4  | 23.2      |
| 20°-30°   | 288.3  | 26.8      |
| 30°-40°   | 227.2  | 21.1      |
| 40°-50°   | 116.6  | 10.8      |
| 50°-60°   | 44.6   | 4.1       |
| 60°-70°   | 29.5   | 2.7       |
| 70°-80°   | 16.0   | 1.5       |
| 80°-90°   | 4.7    | 0.4       |
| 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°    | 638.3  | 59.3      |
| 0°-40°    | 865.5  | 80.4      |
| 0°-60°    | 1026.7 | 95.3      |
| 0°-90°    | 1077.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1077.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1102 |      |
| 5°  | 1078 | 101  |
| 15° | 895  | 249  |
| 25° | 630  | 288  |
| 35° | 364  | 227  |
| 45° | 151  | 117  |
| 55° | 47   | 45   |
| 65° | 30   | 29   |
| 75° | 16   | 16   |
| 85° | 4    | 5    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1102.5 |
| 2.5°  | 1096.5 |
| 5°    | 1078.4 |
| 7.5°  | 1047.1 |
| 10°   | 1004.9 |
| 12.5° | 955.5  |
| 15°   | 895.3  |
| 17.5° | 832.6  |
| 20°   | 765.1  |
| 22.5° | 696.5  |
| 25°   | 630.2  |
| 27.5° | 563.9  |
| 30°   | 498.9  |
| 32.5° | 432.6  |
| 35°   | 363.9  |
| 37.5° | 300.0  |
| 40°   | 242.2  |
| 42.5° | 192.8  |
| 45°   | 150.6  |
| 47.5° | 109.7  |
| 50°   | 74.7   |
| 52.5° | 54.2   |
| 55°   | 47.0   |
| 57.5° | 42.2   |
| 60°   | 38.6   |
| 62.5° | 33.7   |
| 65°   | 30.1   |
| 67.5° | 25.3   |
| 70°   | 21.7   |
| 72.5° | 18.1   |
| 75°   | 15.7   |
| 77.5° | 12.0   |
| 80°   | 8.4    |
| 82.5° | 7.2    |
| 85°   | 3.6    |
| 87.5° | 2.4    |
| 90°   | 0.0    |

(END OF REPORT)