

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: P1298856

Luminaire Tested: P3A13R70W2N902750DE010 E3CD1MW\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R70W2N902750DE010 E3CD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

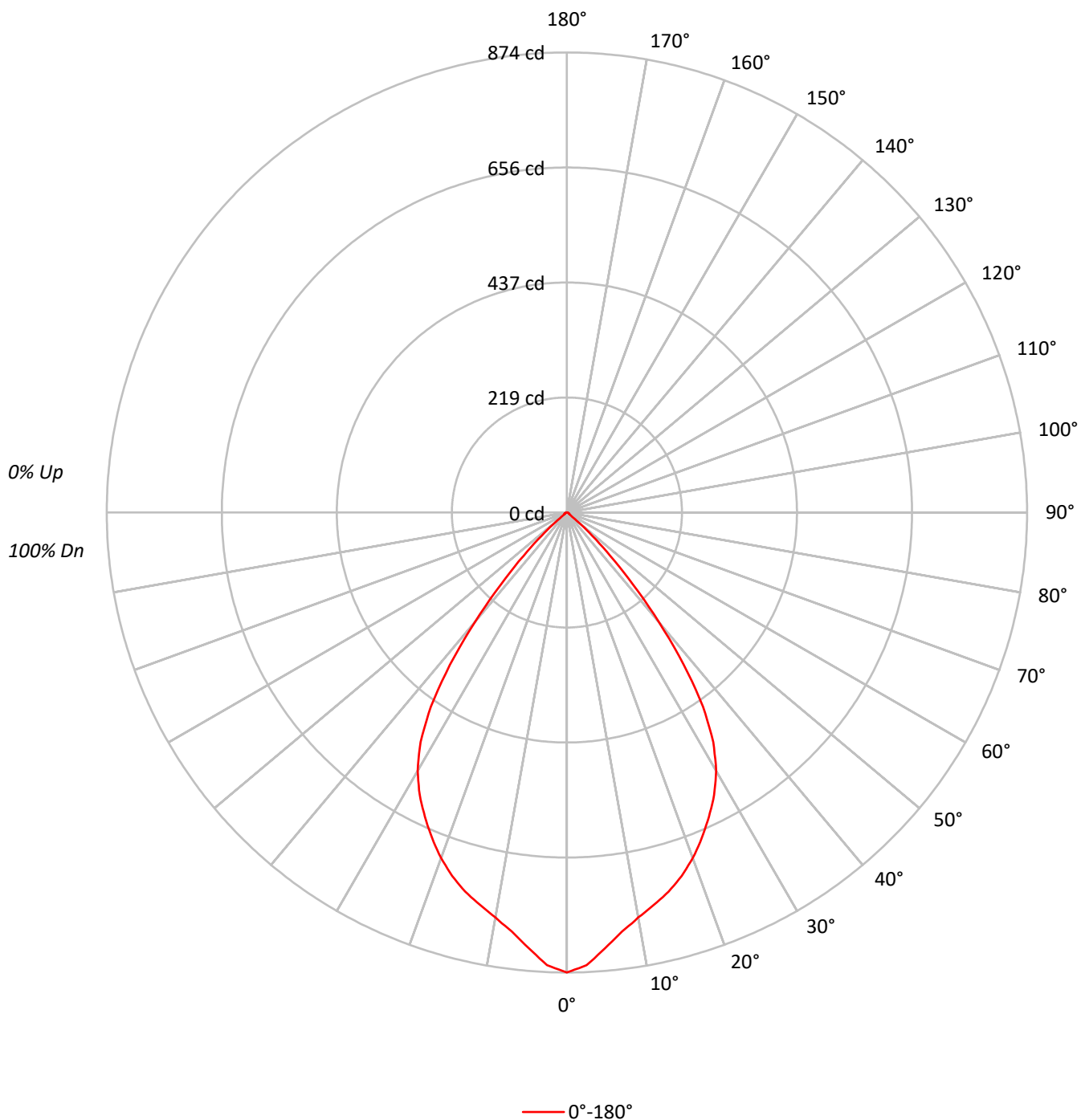
Lumens per Lamp: N/A  
Luminaire Lumens: 965.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  |     |     |  |  | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 | 100 |  |  |    |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 94  | 93  |  |  |    |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |  |  |    |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |  |  |    |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 76  | 84  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |  |  |    |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |  |  |    |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |  |  |    |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 57  |  |  |    |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 55  | 63  | 58  | 54  | 62  | 57  | 54  | 53  |  |  |    |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 58  | 54  | 50  | 49  |  |  |    |
| 10  | 68  | 58  | 52  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 46  |  |  |    |

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

|     | 0°     |
|-----|--------|
| 0°  | 191629 |
| 5°  | 182852 |
| 10° | 173967 |
| 15° | 169309 |
| 20° | 163068 |
| 25° | 154340 |
| 30° | 143541 |
| 35° | 120569 |
| 40° | 77717  |
| 45° | 36128  |
| 50° | 9484   |
| 55° | 2370   |
| 60° | 2368   |
| 65° | 2024   |
| 70° | 1988   |
| 75° | 1949   |
| 80° | 1894   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 36128 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.8   | 8.1       |
| 10°-20°   | 209.6  | 21.7      |
| 20°-30°   | 292.8  | 30.3      |
| 30°-40°   | 271.5  | 28.1      |
| 40°-50°   | 97.3   | 10.1      |
| 50°-60°   | 8.3    | 0.9       |
| 60°-70°   | 4.1    | 0.4       |
| 70°-80°   | 2.6    | 0.3       |
| 80°-90°   | 1.0    | 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°    | 580.1  | 60.1      |
| 0°-40°    | 851.6  | 88.2      |
| 0°-60°    | 957.2  | 99.2      |
| 0°-90°    | 965.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 965.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 874 |      |
| 5°  | 831 | 78   |
| 15° | 746 | 210  |
| 25° | 638 | 293  |
| 35° | 450 | 271  |
| 45° | 116 | 97   |
| 55° | 6   | 8    |
| 65° | 4   | 4    |
| 75° | 2   | 3    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 873.9 |
| 2.5°  | 860.8 |
| 5°    | 830.7 |
| 7.5°  | 802.9 |
| 10°   | 781.3 |
| 12.5° | 763.6 |
| 15°   | 745.8 |
| 17.5° | 724.2 |
| 20°   | 698.8 |
| 22.5° | 669.5 |
| 25°   | 637.9 |
| 27.5° | 605.5 |
| 30°   | 566.9 |
| 32.5° | 517.5 |
| 35°   | 450.4 |
| 37.5° | 364.8 |
| 40°   | 271.5 |
| 42.5° | 185.1 |
| 45°   | 116.5 |
| 47.5° | 64.8  |
| 50°   | 27.8  |
| 52.5° | 9.3   |
| 55°   | 6.2   |
| 57.5° | 5.4   |
| 60°   | 5.4   |
| 62.5° | 4.6   |
| 65°   | 3.9   |
| 67.5° | 3.9   |
| 70°   | 3.1   |
| 72.5° | 3.1   |
| 75°   | 2.3   |
| 77.5° | 2.3   |
| 80°   | 1.5   |
| 82.5° | 1.5   |
| 85°   | 0.8   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)