

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: P1300461

Luminaire Tested: P3A17R35W2N902750DE010 E3CD1MB\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1300461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3CD1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

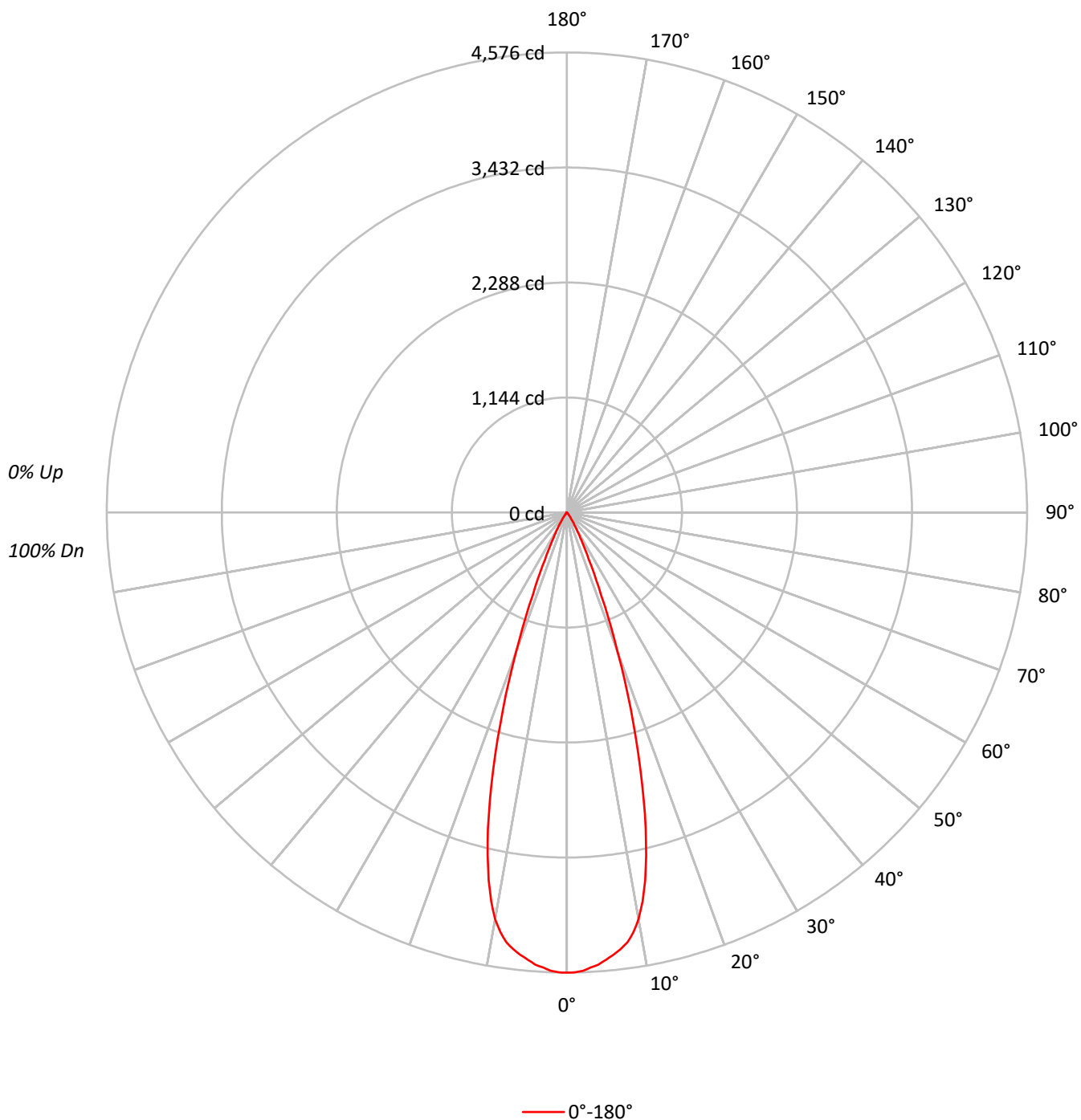
Lumens per Lamp: N/A  
Luminaire Lumens: 1538.9 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 99  | 98  |  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  | 95  | 94  |  | 93  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 98  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  | 92  | 90  |  | 89  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  |  | 86  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 89  | 86  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 89  | 86  | 84  |  | 83  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 80  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 78  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 77  |  | 82  | 79  | 76  |  | 81  | 78  | 76  |  | 75  |
| 9   | 89  | 82  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  | 76  | 74  |  | 73  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 74  | 72  |  | 77  | 74  | 72  |  | 77  | 74  | 71  |  | 70  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1003538 |
| 5°  | 983092  |
| 10° | 914568  |
| 15° | 670515  |
| 20° | 343357  |
| 25° | 123757  |
| 30° | 48185   |
| 35° | 16865   |
| 40° | 6927    |
| 45° | 1892    |
| 50° | 1637    |
| 55° | 1835    |
| 60° | 1579    |
| 65° | 1245    |
| 70° | 1539    |
| 75° | 2033    |
| 80° | 1515    |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 75°  
Luminance: 2033 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 416.4  | 27.1      |
| 10°-20°   | 781.2  | 50.8      |
| 20°-30°   | 276.6  | 18.0      |
| 30°-40°   | 48.4   | 3.1       |
| 40°-50°   | 7.1    | 0.5       |
| 50°-60°   | 3.9    | 0.3       |
| 60°-70°   | 2.8    | 0.2       |
| 70°-80°   | 2.1    | 0.1       |
| 80°-90°   | 0.5    | 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°    | 1474.2 | 95.8      |
| 0°-40°    | 1522.6 | 98.9      |
| 0°-60°    | 1533.5 | 99.7      |
| 0°-90°    | 1538.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1538.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4576 |      |
| 5°  | 4466 | 416  |
| 15° | 2954 | 781  |
| 25° | 512  | 277  |
| 35° | 63   | 48   |
| 45° | 6    | 7    |
| 55° | 5    | 4    |
| 65° | 2    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4576.5 |
| 1°    | 4575.2 |
| 2°    | 4560.7 |
| 3°    | 4532.8 |
| 4°    | 4507.4 |
| 5°    | 4466.2 |
| 6°    | 4423.8 |
| 7°    | 4376.5 |
| 8°    | 4318.3 |
| 9°    | 4227.4 |
| 10°   | 4107.4 |
| 11°   | 3941.4 |
| 12°   | 3741.4 |
| 13°   | 3503.9 |
| 14°   | 3242.1 |
| 15°   | 2953.6 |
| 17.5° | 2199.8 |
| 20°   | 1471.4 |
| 22.5° | 887.2  |
| 25°   | 511.5  |
| 27.5° | 305.4  |
| 30°   | 190.3  |
| 32.5° | 110.3  |
| 35°   | 63.0   |
| 37.5° | 40.0   |
| 40°   | 24.2   |
| 42.5° | 12.1   |
| 45°   | 6.1    |
| 47.5° | 4.8    |
| 50°   | 4.8    |
| 52.5° | 4.8    |
| 55°   | 4.8    |
| 57.5° | 3.6    |
| 60°   | 3.6    |
| 62.5° | 3.6    |
| 65°   | 2.4    |
| 67.5° | 2.4    |
| 70°   | 2.4    |
| 72.5° | 2.4    |
| 75°   | 2.4    |
| 77.5° | 1.2    |
| 80°   | 1.2    |
| 82.5° | 1.2    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)