

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: P1296681

Luminaire Tested: P3A13R35W2N902750DE010 E3D1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1296681  
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: P3A13R35W2N902750DE010 E3D1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
E3D1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

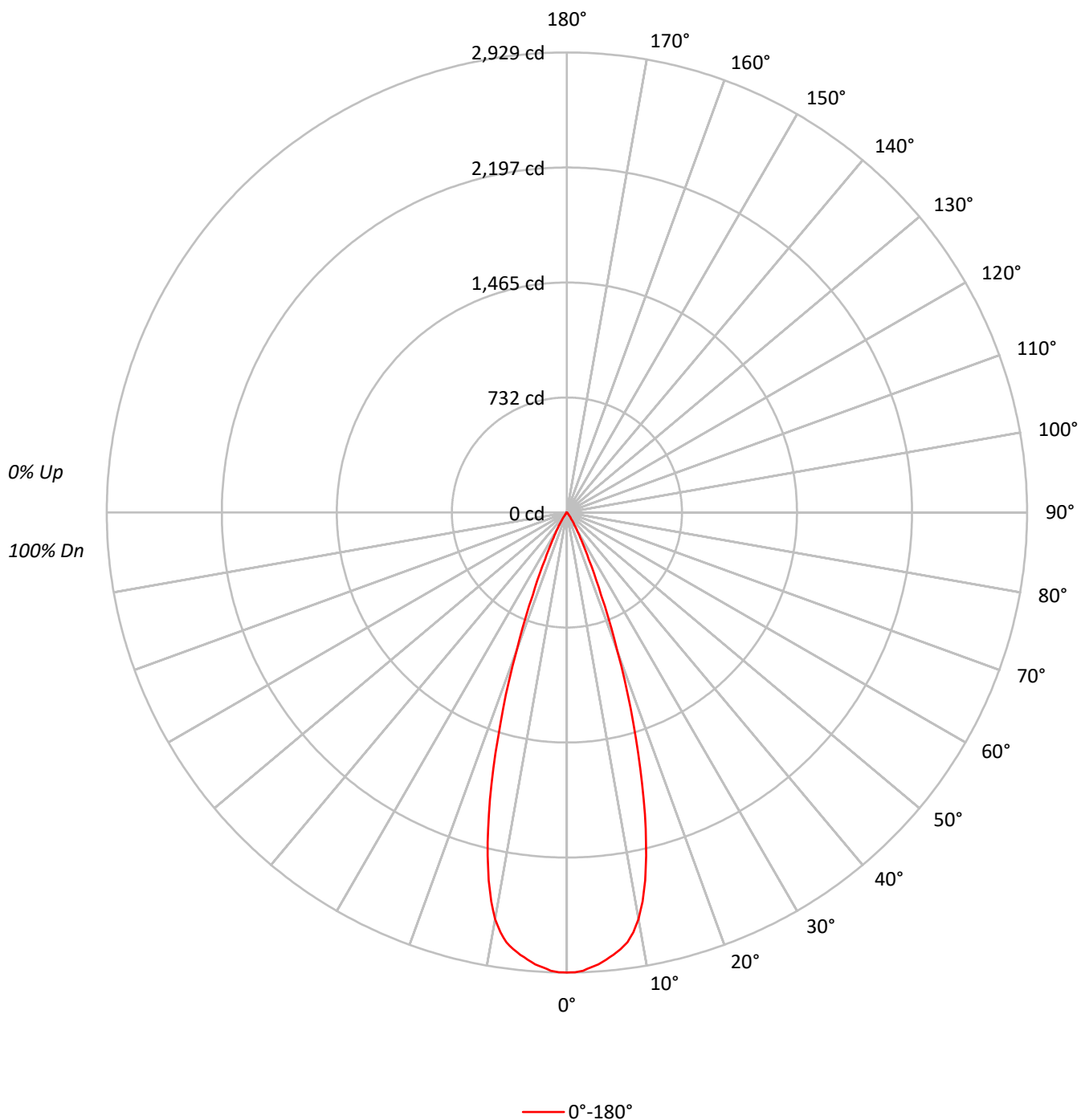
Lumens per Lamp: N/A  
Luminaire Lumens: 985.1 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |     |     |     |    | 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   | 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 | 97  | 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  | 77  |    |    |
| 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°  | 642295 |
| 5°  | 629208 |
| 10° | 585360 |
| 15° | 429151 |
| 20° | 219749 |
| 25° | 79190  |
| 30° | 30840  |
| 35° | 10788  |
| 40° | 4437   |
| 45° | 1209   |
| 50° | 1058   |
| 55° | 1185   |
| 60° | 1009   |
| 65° | 830    |
| 70° | 1026   |
| 75° | 1356   |
| 80° | 1010   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 75°  
Luminance: 1356 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 266.5  | 27.1      |
| 10°-20°   | 500.0  | 50.8      |
| 20°-30°   | 177.0  | 18.0      |
| 30°-40°   | 31.0   | 3.1       |
| 40°-50°   | 4.5    | 0.5       |
| 50°-60°   | 2.5    | 0.3       |
| 60°-70°   | 1.8    | 0.2       |
| 70°-80°   | 1.4    | 0.1       |
| 80°-90°   | 0.3    | 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°    | 943.5  | 95.8      |
| 0°-40°    | 974.5  | 98.9      |
| 0°-60°    | 981.5  | 99.6      |
| 0°-90°    | 985.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 985.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2929 |      |
| 5°  | 2858 | 266  |
| 15° | 1890 | 500  |
| 25° | 327  | 177  |
| 35° | 40   | 31   |
| 45° | 4    | 5    |
| 55° | 3    | 3    |
| 65° | 2    | 2    |
| 75° | 2    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2929.1 |
| 1°    | 2928.3 |
| 2°    | 2919.0 |
| 3°    | 2901.1 |
| 4°    | 2884.8 |
| 5°    | 2858.5 |
| 6°    | 2831.3 |
| 7°    | 2801.1 |
| 8°    | 2763.8 |
| 9°    | 2705.7 |
| 10°   | 2628.9 |
| 11°   | 2522.6 |
| 12°   | 2394.6 |
| 13°   | 2242.6 |
| 14°   | 2075.0 |
| 15°   | 1890.4 |
| 17.5° | 1407.9 |
| 20°   | 941.7  |
| 22.5° | 567.8  |
| 25°   | 327.3  |
| 27.5° | 195.5  |
| 30°   | 121.8  |
| 32.5° | 70.6   |
| 35°   | 40.3   |
| 37.5° | 25.6   |
| 40°   | 15.5   |
| 42.5° | 7.8    |
| 45°   | 3.9    |
| 47.5° | 3.1    |
| 50°   | 3.1    |
| 52.5° | 3.1    |
| 55°   | 3.1    |
| 57.5° | 2.3    |
| 60°   | 2.3    |
| 62.5° | 2.3    |
| 65°   | 1.6    |
| 67.5° | 1.6    |
| 70°   | 1.6    |
| 72.5° | 1.6    |
| 75°   | 1.6    |
| 77.5° | 0.8    |
| 80°   | 0.8    |
| 82.5° | 0.8    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)