

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: P1300508

Luminaire Tested: P3A17R35W2N902750DE010 E3DL1WMH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1300508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3DL1WMH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

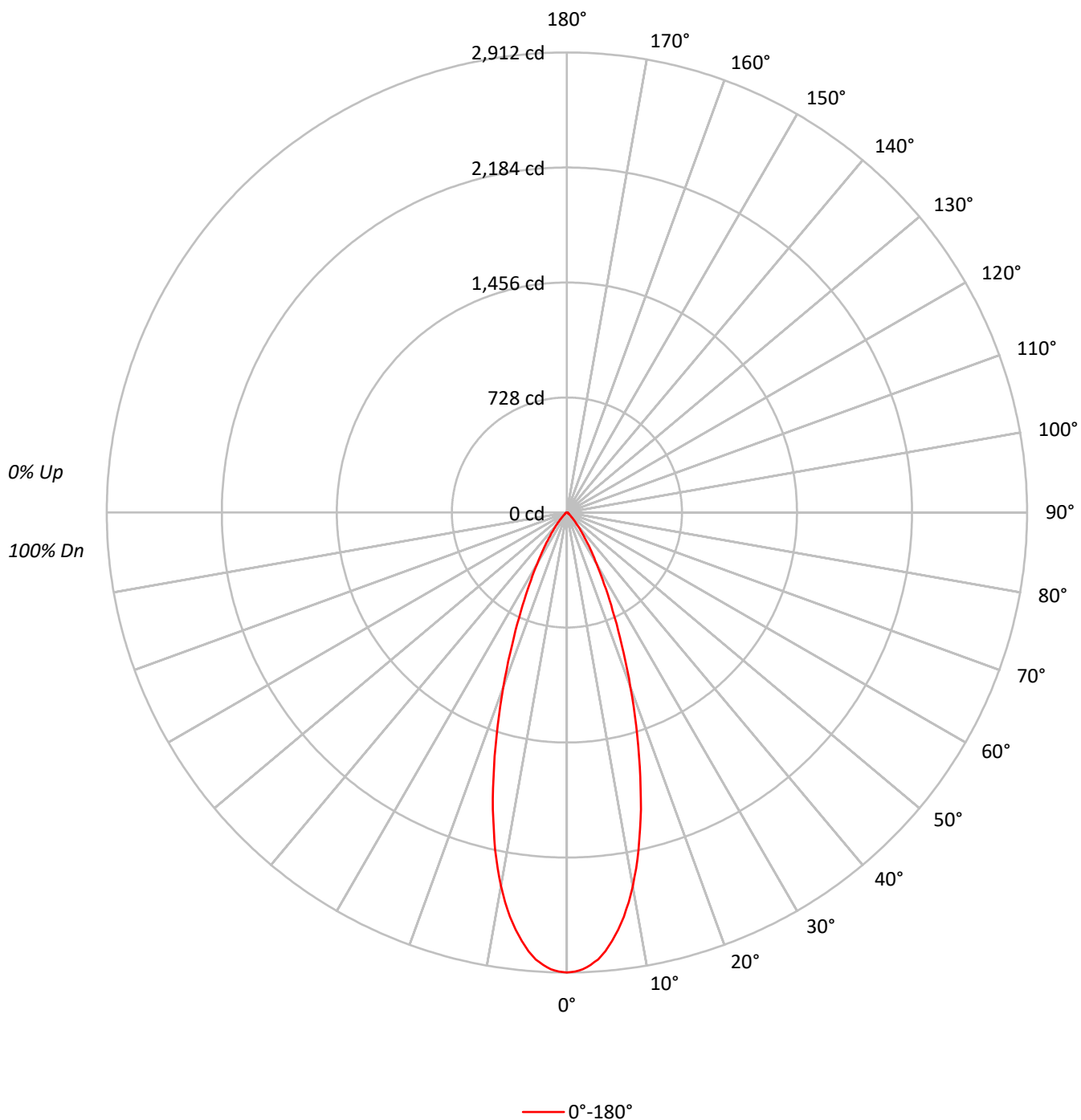
Lumens per Lamp: N/A  
Luminaire Lumens: 1265.9 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.58  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 6   | 92  | 85  | 80  | 76  | 91  | 84  | 79  | 76  | 83  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 7   | 89  | 81  | 76  | 72  | 88  | 80  | 75  | 72  | 79  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 8   | 85  | 77  | 72  | 69  | 84  | 77  | 72  | 69  | 76  | 71  | 68  |  | 75  | 71  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 66  | 81  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 638523 |
| 5°  | 613646 |
| 10° | 534682 |
| 15° | 409537 |
| 20° | 273980 |
| 25° | 165784 |
| 30° | 95129  |
| 35° | 53190  |
| 40° | 28253  |
| 45° | 14575  |
| 50° | 6993   |
| 55° | 5543   |
| 60° | 5263   |
| 65° | 4358   |
| 70° | 4616   |
| 75° | 4067   |
| 80° | 4546   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14575 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 253.7  | 20.0      |
| 10°-20°   | 491.5  | 38.8      |
| 20°-30°   | 321.8  | 25.4      |
| 30°-40°   | 130.5  | 10.3      |
| 40°-50°   | 39.2   | 3.1       |
| 50°-60°   | 13.3   | 1.1       |
| 60°-70°   | 8.9    | 0.7       |
| 70°-80°   | 5.2    | 0.4       |
| 80°-90°   | 1.8    | 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°    | 1067.0 | 84.3      |
| 0°-40°    | 1197.5 | 94.6      |
| 0°-60°    | 1250.0 | 98.7      |
| 0°-90°    | 1265.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1265.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2912 |      |
| 5°  | 2788 | 254  |
| 15° | 1804 | 492  |
| 25° | 685  | 322  |
| 35° | 199  | 131  |
| 45° | 47   | 39   |
| 55° | 14   | 13   |
| 65° | 8    | 9    |
| 75° | 5    | 5    |
| 85° | 1    | 2    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2911.9 |
| 1°    | 2907.0 |
| 2°    | 2893.8 |
| 3°    | 2867.3 |
| 4°    | 2836.0 |
| 5°    | 2787.8 |
| 6°    | 2727.6 |
| 7°    | 2660.2 |
| 8°    | 2584.3 |
| 9°    | 2497.6 |
| 10°   | 2401.3 |
| 11°   | 2294.1 |
| 12°   | 2182.1 |
| 13°   | 2056.8 |
| 14°   | 1937.6 |
| 15°   | 1804.0 |
| 17.5° | 1480.0 |
| 20°   | 1174.1 |
| 22.5° | 903.2  |
| 25°   | 685.2  |
| 27.5° | 510.6  |
| 30°   | 375.7  |
| 32.5° | 275.8  |
| 35°   | 198.7  |
| 37.5° | 140.9  |
| 40°   | 98.7   |
| 42.5° | 68.6   |
| 45°   | 47.0   |
| 47.5° | 31.3   |
| 50°   | 20.5   |
| 52.5° | 15.7   |
| 55°   | 14.5   |
| 57.5° | 13.2   |
| 60°   | 12.0   |
| 62.5° | 10.8   |
| 65°   | 8.4    |
| 67.5° | 7.2    |
| 70°   | 7.2    |
| 72.5° | 6.0    |
| 75°   | 4.8    |
| 77.5° | 3.6    |
| 80°   | 3.6    |
| 82.5° | 2.4    |
| 85°   | 1.2    |
| 87.5° | 1.2    |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)