

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: P1288821

Luminaire Tested: P3A05R30W2N902750DE010 E3DLD1WMH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1288821  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R30W2N902750DE010 E3DLD1WMH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

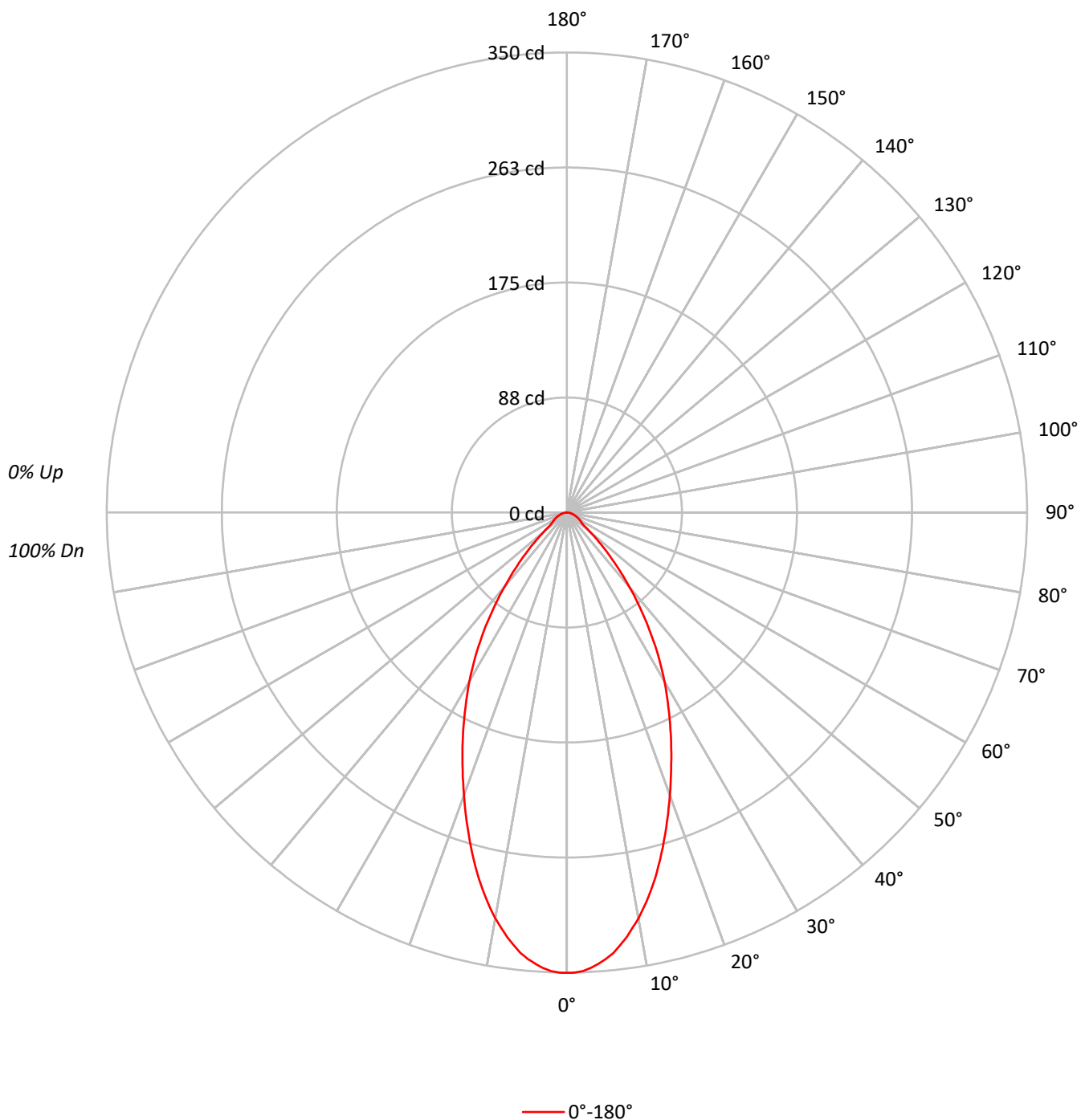
Lumens per Lamp: N/A  
Luminaire Lumens: 325.1 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 82  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 79  | 74  | 82  | 77  | 73  |  | 80  | 76  | 72  |  | 78  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 68  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 62  |  | 70  | 65  | 61  |  | 69  |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 58  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 75  | 65  | 58  | 54  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 57  | 53  |  | 61  |
| 9   | 71  | 61  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 54  | 50  |  | 58  | 53  | 50  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 47  |  | 55  | 50  | 46  |  | 54  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 76792 |
| 5°  | 75060 |
| 10° | 69805 |
| 15° | 62112 |
| 20° | 53415 |
| 25° | 45245 |
| 30° | 37575 |
| 35° | 29473 |
| 40° | 21125 |
| 45° | 13862 |
| 50° | 7880  |
| 55° | 5199  |
| 60° | 4912  |
| 65° | 4566  |
| 70° | 4103  |
| 75° | 3728  |
| 80° | 3536  |
| 85° | 3019  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13862 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.7   | 9.7       |
| 10°-20°   | 76.1   | 23.4      |
| 20°-30°   | 85.7   | 26.4      |
| 30°-40°   | 68.4   | 21.1      |
| 40°-50°   | 35.2   | 10.8      |
| 50°-60°   | 13.3   | 4.1       |
| 60°-70°   | 8.7    | 2.7       |
| 70°-80°   | 4.7    | 1.4       |
| 80°-90°   | 1.4    | 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°    | 193.4  | 59.5      |
| 0°-40°    | 261.9  | 80.6      |
| 0°-60°    | 310.3  | 95.5      |
| 0°-90°    | 325.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 325.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 350 |      |
| 5°  | 341 | 32   |
| 15° | 274 | 76   |
| 25° | 187 | 86   |
| 35° | 110 | 68   |
| 45° | 45  | 35   |
| 55° | 14  | 13   |
| 65° | 9   | 9    |
| 75° | 4   | 5    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 350.2 |
| 1°    | 350.2 |
| 2°    | 349.0 |
| 3°    | 347.0 |
| 4°    | 344.2 |
| 5°    | 341.0 |
| 6°    | 337.0 |
| 7°    | 331.8 |
| 8°    | 326.2 |
| 9°    | 319.8 |
| 10°   | 313.5 |
| 11°   | 306.3 |
| 12°   | 298.7 |
| 13°   | 290.7 |
| 14°   | 282.4 |
| 15°   | 273.6 |
| 17.5° | 251.2 |
| 20°   | 228.9 |
| 22.5° | 207.4 |
| 25°   | 187.0 |
| 27.5° | 167.1 |
| 30°   | 148.4 |
| 32.5° | 129.2 |
| 35°   | 110.1 |
| 37.5° | 91.3  |
| 40°   | 73.8  |
| 42.5° | 58.2  |
| 45°   | 44.7  |
| 47.5° | 33.1  |
| 50°   | 23.1  |
| 52.5° | 16.4  |
| 55°   | 13.6  |
| 57.5° | 12.4  |
| 60°   | 11.2  |
| 62.5° | 10.0  |
| 65°   | 8.8   |
| 67.5° | 7.6   |
| 70°   | 6.4   |
| 72.5° | 5.2   |
| 75°   | 4.4   |
| 77.5° | 3.6   |
| 80°   | 2.8   |
| 82.5° | 2.0   |
| 85°   | 1.2   |
| 87.5° | 0.4   |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)