

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: P1291128

Luminaire Tested: P3A05R65W2N902765DE010 E3D1WMH\_6500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1291128  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R65W2N902765DE010 E3D1WMH\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 6500K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

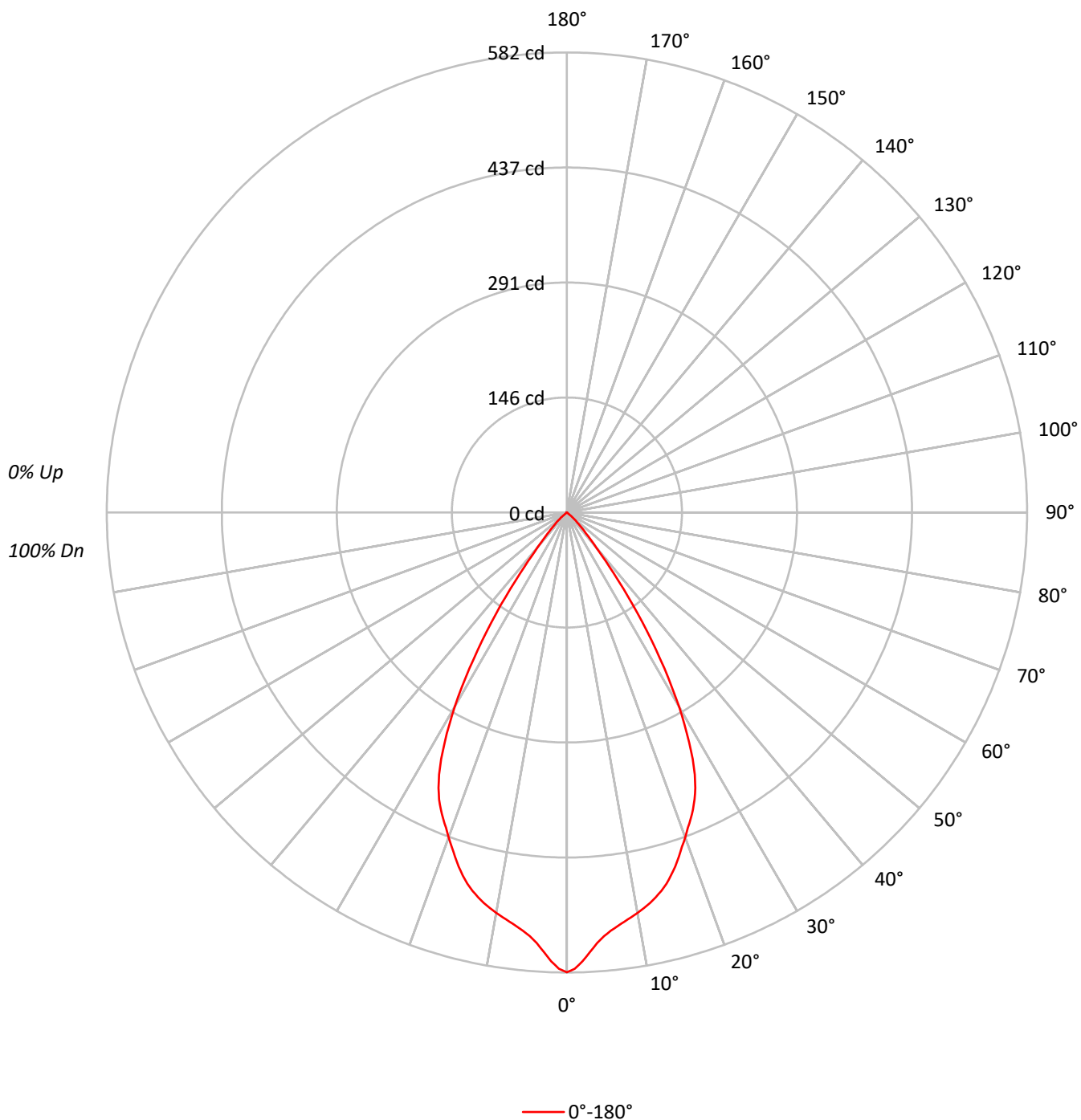
Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1291128

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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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  | 97  | 96  | 94  |
| 2   | 108 | 104 | 100 | 96  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  | 91  | 89  | 88  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 88  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  | 86  | 83  | 82  |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 87  | 83  | 80  |  | 85  | 82  | 79  |  | 84  | 81  | 78  | 77  |
| 5   | 93  | 85  | 79  | 75  | 92  | 84  | 79  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  | 72  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 69  |  | 76  | 72  | 69  |  | 75  | 71  | 68  | 67  |
| 7   | 84  | 75  | 70  | 65  | 83  | 75  | 69  | 65  | 73  | 69  | 65  |  | 72  | 68  | 65  |  | 71  | 67  | 64  | 63  |
| 8   | 80  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 67  | 63  | 60  | 59  |
| 9   | 77  | 67  | 61  | 58  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  | 60  | 57  | 56  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 62  | 57  | 54  |  | 62  | 57  | 54  |  | 61  | 57  | 54  | 52  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 127556 |
| 5°  | 118424 |
| 10° | 114538 |
| 15° | 110375 |
| 20° | 102046 |
| 25° | 92981  |
| 30° | 71834  |
| 35° | 41626  |
| 40° | 16517  |
| 45° | 7039   |
| 50° | 1672   |
| 55° | 229    |
| 60° | 175    |
| 65° | 104    |
| 70° | 128    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 7039 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.7   | 10.7      |
| 10°-20°   | 135.5  | 28.5      |
| 20°-30°   | 171.5  | 36.0      |
| 30°-40°   | 97.6   | 20.5      |
| 40°-50°   | 19.4   | 4.1       |
| 50°-60°   | 1.0    | 0.2       |
| 60°-70°   | 0.3    | 0.1       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 357.7  | 75.1      |
| 0°-40°    | 455.3  | 95.6      |
| 0°-60°    | 475.7  | 99.9      |
| 0°-90°    | 476.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 476.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 582 |      |
| 5°  | 538 | 51   |
| 15° | 486 | 135  |
| 25° | 384 | 171  |
| 35° | 156 | 98   |
| 45° | 23  | 19   |
| 55° | 1   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 581.7 |
| 1°    | 577.4 |
| 2°    | 568.0 |
| 3°    | 557.0 |
| 4°    | 546.2 |
| 5°    | 538.0 |
| 6°    | 532.0 |
| 7°    | 527.1 |
| 8°    | 522.8 |
| 9°    | 518.5 |
| 10°   | 514.4 |
| 11°   | 509.9 |
| 12°   | 505.2 |
| 13°   | 499.5 |
| 14°   | 493.4 |
| 15°   | 486.2 |
| 16°   | 477.6 |
| 17°   | 468.2 |
| 18°   | 458.0 |
| 19°   | 447.3 |
| 20°   | 437.3 |
| 21°   | 427.1 |
| 22°   | 417.9 |
| 23°   | 408.3 |
| 24°   | 397.2 |
| 25°   | 384.3 |
| 26°   | 368.8 |
| 27°   | 350.2 |
| 28°   | 329.3 |
| 29°   | 307.0 |
| 30°   | 283.7 |
| 31°   | 258.1 |
| 32°   | 232.6 |
| 32.5° | 219.5 |
| 33°   | 206.8 |
| 34°   | 181.0 |
| 35°   | 155.5 |
| 36°   | 132.1 |
| 37°   | 108.8 |
| 37.5° | 96.8  |
| 38°   | 87.3  |
| 39°   | 70.6  |
| 40°   | 57.7  |
| 42.5° | 35.6  |
| 45°   | 22.7  |



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CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1WMH\_6500K

**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 13.3 |
| 50°   | 4.9  |
| 52.5° | 1.0  |
| 55°   | 0.6  |
| 57.5° | 0.4  |
| 60°   | 0.4  |
| 62.5° | 0.4  |
| 65°   | 0.2  |
| 67.5° | 0.2  |
| 70°   | 0.2  |
| 72.5° | 0.0  |
| 75°   | 0.0  |
| 77.5° | 0.0  |
| 80°   | 0.0  |
| 82.5° | 0.0  |
| 85°   | 0.0  |
| 87.5° | 0.0  |
| 90°   | 0.0  |

(END OF REPORT)