

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: P1301868

Luminaire Tested: P3AS17R55W2N902765DE010 E3D1WH\_5000K

Issue Date: 1/29/2026

**Test Information**

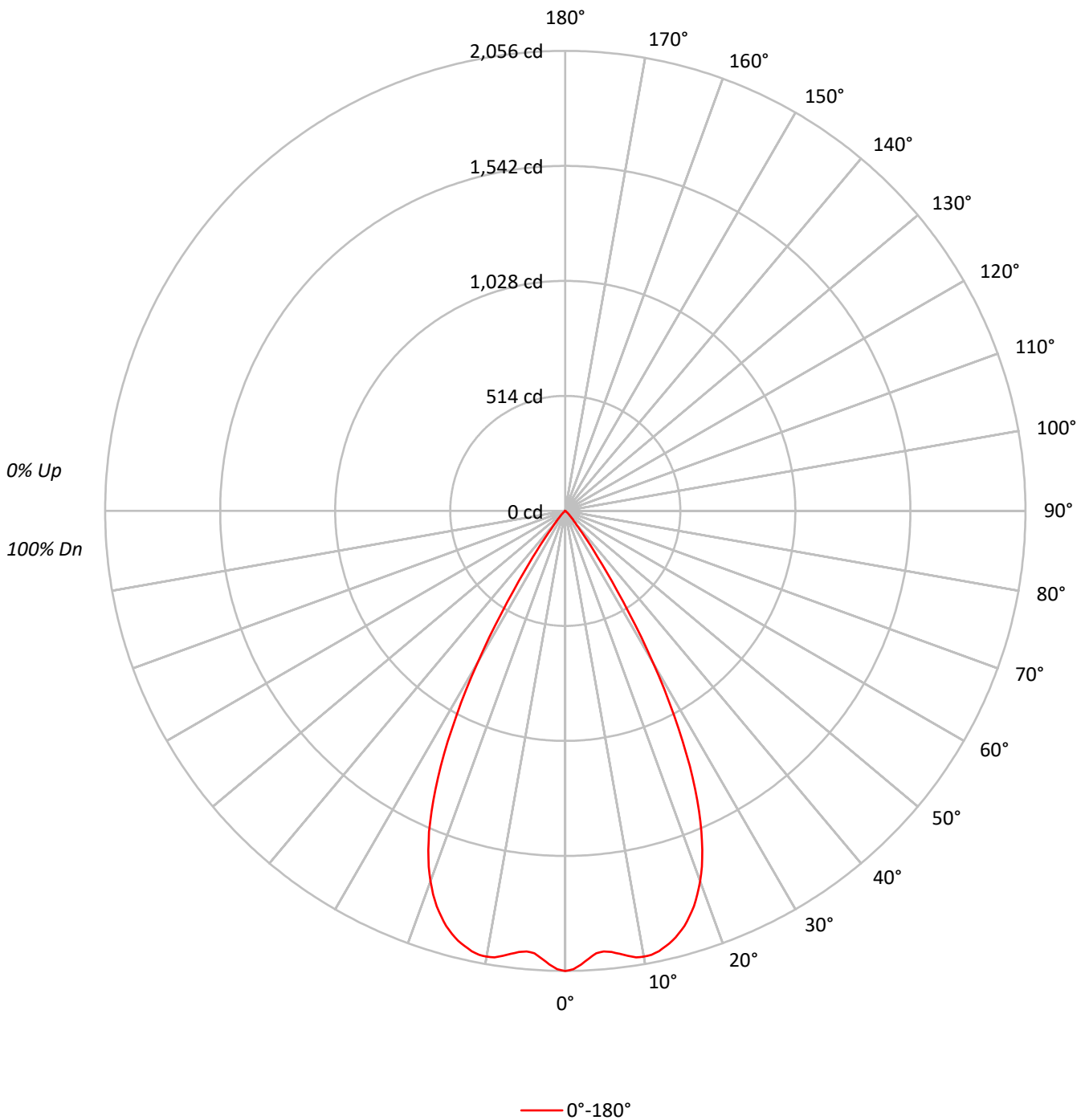
Test Method: LM-79-2019  
Report Number: P1301868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R55W2N902765DE010 E3D1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1555.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 95  | 95  | 95  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 92  | 91  | 89  | 89  | 89  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 90  | 95  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 84  | 84  | 84  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 84  | 82  | 86  | 83  | 81  | 79  | 79  | 79  | 79  |
| 5   | 95  | 88  | 82  | 79  | 94  | 87  | 82  | 78  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 75  | 75  | 75  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 74  | 81  | 76  | 73  | 80  | 76  | 73  | 78  | 75  | 72  | 71  | 71  | 71  | 71  |
| 7   | 87  | 79  | 73  | 70  | 86  | 78  | 73  | 69  | 77  | 72  | 69  | 76  | 72  | 69  | 75  | 71  | 68  | 67  | 67  | 67  | 67  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 71  | 68  | 65  | 63  | 63  | 63  | 63  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 64  | 61  | 60  | 60  | 60  | 60  |
| 10  | 77  | 68  | 62  | 59  | 76  | 67  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 65  | 61  | 58  | 57  | 57  | 57  | 57  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 450929 |
| 5°  | 434976 |
| 10° | 450515 |
| 15° | 444180 |
| 20° | 411076 |
| 25° | 332463 |
| 30° | 199246 |
| 35° | 67539  |
| 40° | 18606  |
| 45° | 8249   |
| 50° | 2422   |
| 55° | 459    |
| 60° | 263    |
| 65° | 311    |
| 70° | 385    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8249 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 191.2  | 12.3      |
| 10°-20°   | 544.7  | 35.0      |
| 20°-30°   | 605.5  | 38.9      |
| 30°-40°   | 188.5  | 12.1      |
| 40°-50°   | 22.7   | 1.5       |
| 50°-60°   | 1.8    | 0.1       |
| 60°-70°   | 0.6    | 0.0       |
| 70°-80°   | 0.1    | 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       |
| 0°-30°    | 1341.4 | 86.3      |
| 0°-40°    | 1530.0 | 98.4      |
| 0°-60°    | 1554.4 | 100.0     |
| 0°-90°    | 1555.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1555.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2056 |      |
| 5°  | 1976 | 191  |
| 15° | 1957 | 545  |
| 25° | 1374 | 606  |
| 35° | 252  | 189  |
| 45° | 27   | 23   |
| 55° | 1    | 2    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2056.4 |
| 1°    | 2048.7 |
| 2°    | 2028.7 |
| 3°    | 2003.8 |
| 4°    | 1981.4 |
| 5°    | 1976.1 |
| 6°    | 1982.0 |
| 7°    | 1994.4 |
| 8°    | 2008.6 |
| 9°    | 2019.8 |
| 10°   | 2023.3 |
| 11°   | 2021.0 |
| 12°   | 2011.5 |
| 13°   | 1996.7 |
| 14°   | 1979.6 |
| 15°   | 1956.6 |
| 16°   | 1930.0 |
| 17°   | 1896.3 |
| 18°   | 1858.5 |
| 19°   | 1813.0 |
| 20°   | 1761.6 |
| 21°   | 1703.1 |
| 22°   | 1634.0 |
| 23°   | 1557.8 |
| 24°   | 1470.4 |
| 25°   | 1374.1 |
| 26°   | 1268.3 |
| 27°   | 1156.1 |
| 28°   | 1036.2 |
| 29°   | 912.7  |
| 30°   | 786.9  |
| 31°   | 660.5  |
| 32°   | 537.0  |
| 32.5° | 482.1  |
| 33°   | 425.3  |
| 34°   | 329.1  |
| 35°   | 252.3  |
| 36°   | 192.0  |
| 37°   | 142.4  |
| 37.5° | 121.7  |
| 38°   | 105.7  |
| 39°   | 80.3   |
| 40°   | 65.0   |
| 42.5° | 41.4   |
| 45°   | 26.6   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 16.0 |
| 50°   | 7.1  |
| 52.5° | 2.4  |
| 55°   | 1.2  |
| 57.5° | 0.6  |
| 60°   | 0.6  |
| 62.5° | 0.6  |
| 65°   | 0.6  |
| 67.5° | 0.6  |
| 70°   | 0.6  |
| 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)