

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: P1302808

Luminaire Tested: P3AS17R70W2N902765DE010 E3D1WMH\_3000K

Issue Date: 1/29/2026

**Test Information**

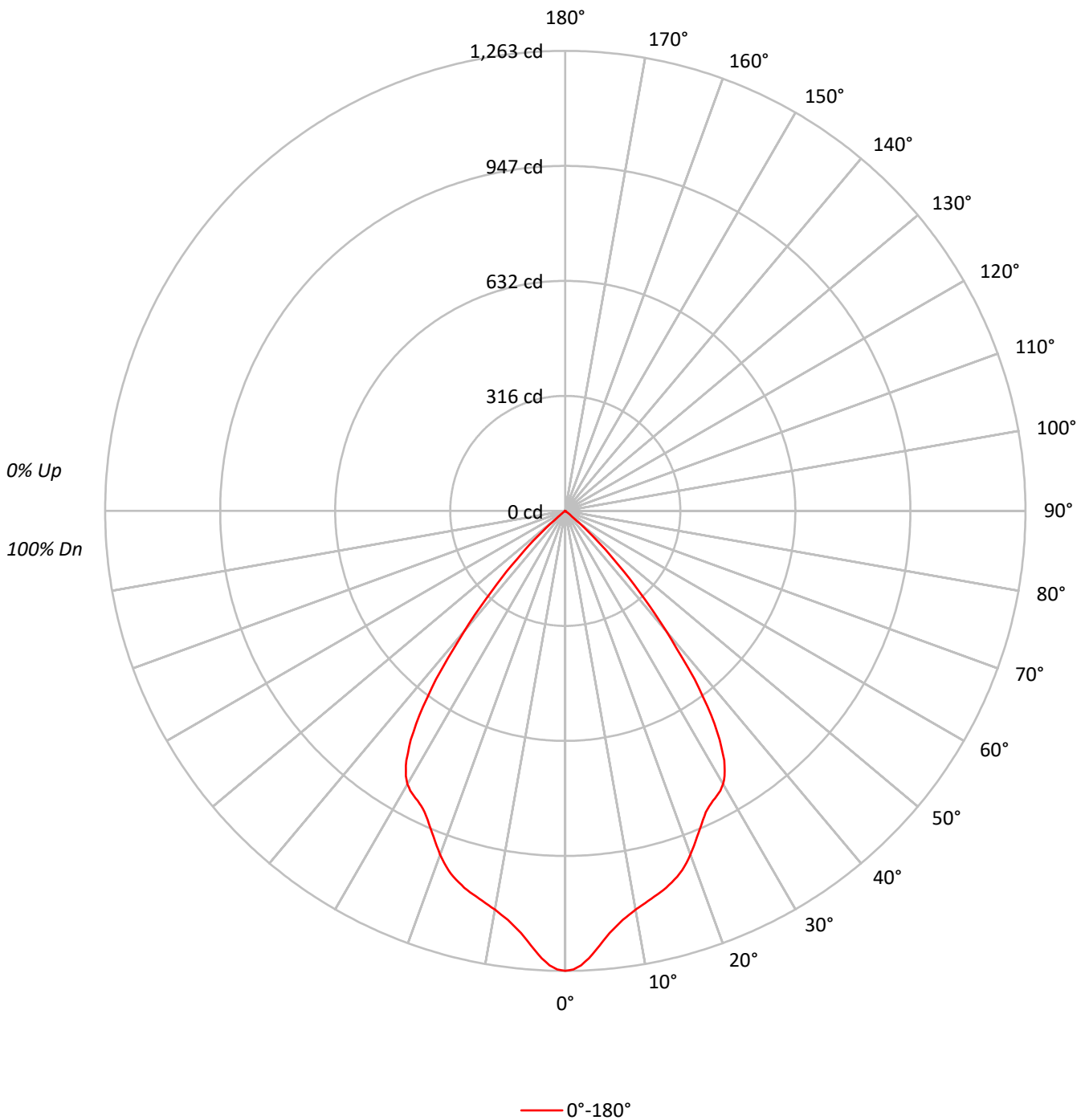
Test Method: LM-79-2019  
Report Number: P1302808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R70W2N902765DE010 E3D1WMH\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1424.1 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
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 |
| 1   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  |    |    | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    | 85  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 84  | 81  | 86  | 83  | 80  | 79  |    |    | 79  |
| 4   | 95  | 87  | 81  | 77  | 94  | 86  | 81  | 77  | 84  | 79  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |    |    | 72  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 77  | 72  | 69  | 75  | 71  | 68  | 66  |    |    | 66  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    | 61  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 61  | 58  | 57  |    |    | 57  |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    | 52  |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 50  | 49  |    |    | 49  |
| 10  | 68  | 58  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 55  | 50  | 47  | 45  |    |    | 45  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 276886 |
| 5°  | 261082 |
| 10° | 247557 |
| 15° | 243112 |
| 20° | 234334 |
| 25° | 220900 |
| 30° | 219325 |
| 35° | 190998 |
| 40° | 123546 |
| 45° | 58394  |
| 50° | 8187   |
| 55° | 688    |
| 60° | 526    |
| 65° | 623    |
| 70° | 385    |
| 75° | 508    |
| 80° | 758    |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 58394 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.8  | 7.8       |
| 10°-20°   | 300.7  | 21.1      |
| 20°-30°   | 425.4  | 29.9      |
| 30°-40°   | 427.5  | 30.0      |
| 40°-50°   | 153.8  | 10.8      |
| 50°-60°   | 4.2    | 0.3       |
| 60°-70°   | 1.0    | 0.1       |
| 70°-80°   | 0.6    | 0.0       |
| 80°-90°   | 0.1    | 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°    | 836.9  | 58.8      |
| 0°-40°    | 1264.5 | 88.8      |
| 0°-60°    | 1422.4 | 99.9      |
| 0°-90°    | 1424.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1424.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1263 |      |
| 5°  | 1186 | 111  |
| 15° | 1071 | 301  |
| 25° | 913  | 425  |
| 35° | 714  | 428  |
| 45° | 188  | 154  |
| 55° | 2    | 4    |
| 65° | 1    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1262.7 |
| 1°    | 1259.2 |
| 2°    | 1248.1 |
| 3°    | 1230.5 |
| 4°    | 1208.3 |
| 5°    | 1186.1 |
| 6°    | 1165.0 |
| 7°    | 1148.7 |
| 8°    | 1134.0 |
| 9°    | 1122.3 |
| 10°   | 1111.8 |
| 11°   | 1103.0 |
| 12°   | 1094.9 |
| 13°   | 1086.7 |
| 14°   | 1079.1 |
| 15°   | 1070.9 |
| 16°   | 1060.9 |
| 17°   | 1050.4 |
| 18°   | 1037.5 |
| 19°   | 1021.7 |
| 20°   | 1004.2 |
| 21°   | 984.9  |
| 22°   | 965.6  |
| 23°   | 946.9  |
| 24°   | 928.8  |
| 25°   | 913.0  |
| 26°   | 901.8  |
| 27°   | 893.1  |
| 28°   | 886.1  |
| 29°   | 877.9  |
| 30°   | 866.2  |
| 31°   | 849.2  |
| 32°   | 825.2  |
| 32.5° | 811.8  |
| 33°   | 793.7  |
| 34°   | 758.0  |
| 35°   | 713.5  |
| 36°   | 664.4  |
| 37°   | 608.8  |
| 37.5° | 583.1  |
| 38°   | 548.0  |
| 39°   | 485.4  |
| 40°   | 431.6  |
| 42.5° | 298.9  |
| 45°   | 188.3  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    |
|-------|-------|
| 47.5° | 101.2 |
| 50°   | 24.0  |
| 52.5° | 2.9   |
| 55°   | 1.8   |
| 57.5° | 1.8   |
| 60°   | 1.2   |
| 62.5° | 1.2   |
| 65°   | 1.2   |
| 67.5° | 0.6   |
| 70°   | 0.6   |
| 72.5° | 0.6   |
| 75°   | 0.6   |
| 77.5° | 0.6   |
| 80°   | 0.6   |
| 82.5° | 0.0   |
| 85°   | 0.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)