

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: P1293211

Luminaire Tested: P3AS09R40W2N902750DE010 E3D1WH\_5000K

Issue Date: 1/29/2026

**Test Information**

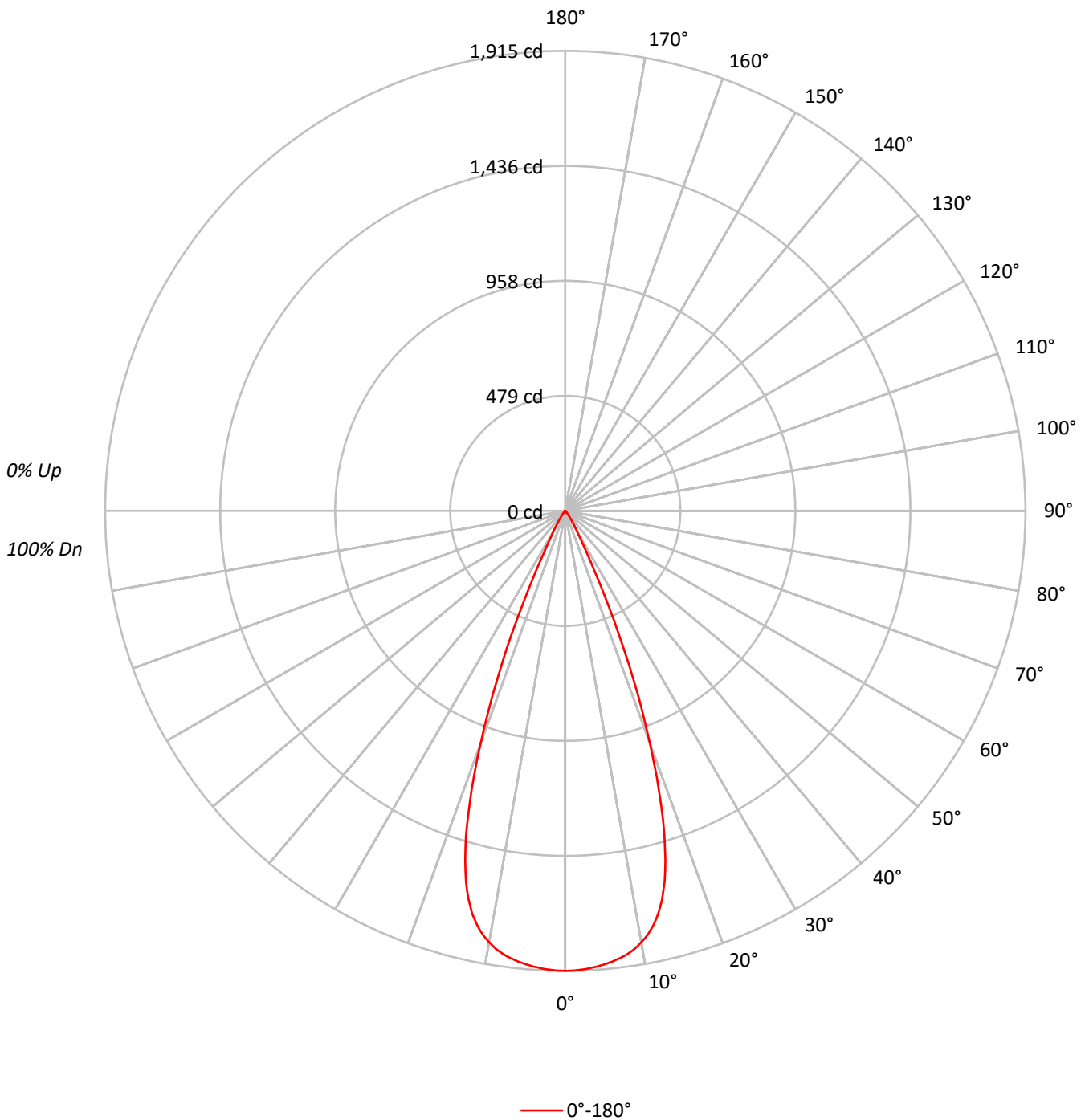
Test Method: LM-79-2019  
Report Number: P1293211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R40W2N902750DE010 E3D1WH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
E3D1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 824.0 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 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  |     |     | 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 | 102 | 102 | 102 | 100 |
| 1   | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 98  | 98  | 98  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 96  | 95  | 94  | 94  | 94  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 100 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 93  | 91  | 90  | 90  | 90  | 90  | 88  |
| 4   | 103 | 97  | 93  | 90  | 101 | 96  | 92  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 86  | 86  | 86  | 85  |
| 5   | 99  | 93  | 89  | 85  | 98  | 92  | 88  | 85  | 91  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83  | 83  | 82  |
| 6   | 96  | 89  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 80  | 80  | 80  | 79  |
| 7   | 93  | 86  | 81  | 78  | 92  | 85  | 81  | 78  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 77  | 76  |
| 8   | 90  | 83  | 78  | 75  | 89  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 74  | 79  | 76  | 74  | 74  | 74  | 74  | 73  |
| 9   | 87  | 80  | 75  | 72  | 86  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 71  | 71  | 71  | 71  | 70  |
| 10  | 84  | 77  | 72  | 70  | 83  | 77  | 72  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 74  | 71  | 69  | 69  | 69  | 69  | 68  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 420010 |
| 5°  | 416970 |
| 10° | 406071 |
| 15° | 362726 |
| 20° | 240518 |
| 25° | 90102  |
| 30° | 24105  |
| 35° | 9423   |
| 40° | 3378   |
| 45° | 1613   |
| 50° | 478    |
| 55° | 229    |
| 60° | 132    |
| 65° | 156    |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1613 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.8  | 21.7      |
| 10°-20°   | 423.4  | 51.4      |
| 20°-30°   | 192.0  | 23.3      |
| 30°-40°   | 24.9   | 3.0       |
| 40°-50°   | 4.3    | 0.5       |
| 50°-60°   | 0.5    | 0.1       |
| 60°-70°   | 0.2    | 0.0       |
| 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       |
| 0°-30°    | 794.1  | 96.4      |
| 0°-40°    | 819.0  | 99.4      |
| 0°-60°    | 823.8  | 100.0     |
| 0°-90°    | 824.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 824.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1915 |      |
| 5°  | 1894 | 179  |
| 15° | 1598 | 423  |
| 25° | 372  | 192  |
| 35° | 35   | 25   |
| 45° | 5    | 4    |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1915.4 |
| 1°    | 1914.3 |
| 2°    | 1911.4 |
| 3°    | 1907.0 |
| 4°    | 1901.6 |
| 5°    | 1894.3 |
| 6°    | 1886.0 |
| 7°    | 1875.6 |
| 8°    | 1862.9 |
| 9°    | 1845.6 |
| 10°   | 1823.7 |
| 11°   | 1798.0 |
| 12°   | 1763.7 |
| 13°   | 1721.3 |
| 14°   | 1665.9 |
| 15°   | 1597.8 |
| 16°   | 1511.0 |
| 17°   | 1412.0 |
| 18°   | 1293.2 |
| 19°   | 1167.7 |
| 20°   | 1030.7 |
| 21°   | 893.7  |
| 22°   | 758.7  |
| 23°   | 624.2  |
| 24°   | 492.1  |
| 25°   | 372.4  |
| 26°   | 275.8  |
| 27°   | 201.9  |
| 28°   | 151.7  |
| 29°   | 118.0  |
| 30°   | 95.2   |
| 31°   | 78.8   |
| 32°   | 65.8   |
| 32.5° | 60.0   |
| 33°   | 54.2   |
| 34°   | 44.1   |
| 35°   | 35.2   |
| 36°   | 27.7   |
| 37°   | 21.9   |
| 37.5° | 19.6   |
| 38°   | 17.3   |
| 39°   | 14.4   |
| 40°   | 11.8   |
| 42.5° | 7.8    |
| 45°   | 5.2    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 47.5° | 3.2 |
| 50°   | 1.4 |
| 52.5° | 0.6 |
| 55°   | 0.6 |
| 57.5° | 0.3 |
| 60°   | 0.3 |
| 62.5° | 0.3 |
| 65°   | 0.3 |
| 67.5° | 0.0 |
| 70°   | 0.0 |
| 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)