

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: P1297947

Luminaire Tested: P3AS13R55W2N902750DE010 E3DL1WH\_3500K

Issue Date: 1/30/2026

**Test Information**

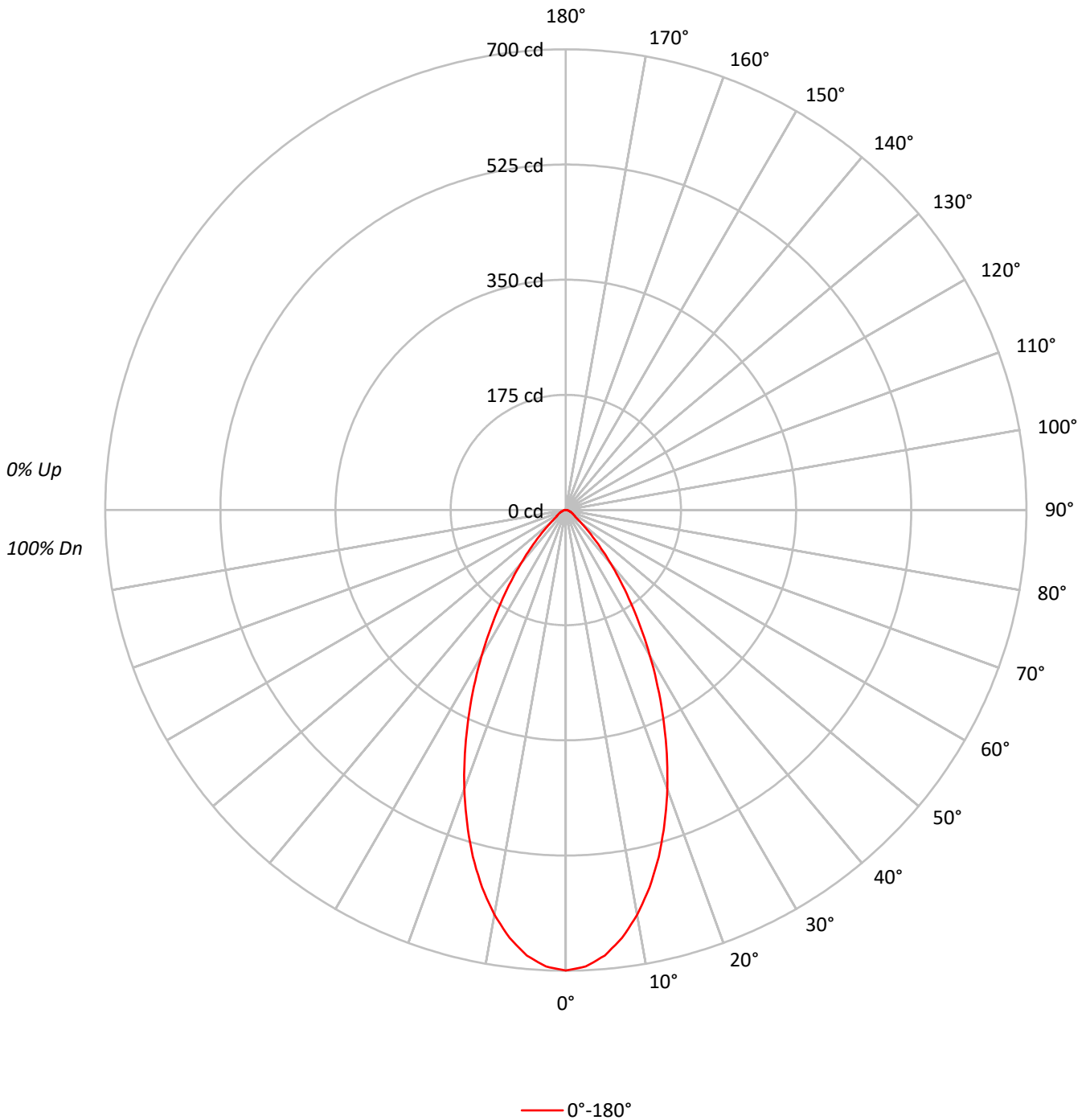
Test Method: LM-79-2019  
Report Number: P1297947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R55W2N902750DE010 E3DL1WH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
E3DL1WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 564.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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  |     |    |    | 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 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 97  | 95  | 94  | 92  |    |    |    | 92  |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 93  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |    | 85  |
| 3   | 101 | 94  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 84  | 81  | 85  | 83  | 80  | 79  |    |    |    | 79  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |    |    |    | 73  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |    | 67  |
| 6   | 86  | 77  | 70  | 66  | 84  | 76  | 70  | 66  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 64  | 63  |    |    |    | 63  |
| 7   | 82  | 72  | 66  | 61  | 80  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 59  |    |    |    | 59  |
| 8   | 78  | 68  | 62  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |    | 55  |
| 9   | 74  | 64  | 58  | 54  | 73  | 63  | 58  | 54  | 62  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 52  |    |    |    | 52  |
| 10  | 70  | 60  | 55  | 51  | 69  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 54  | 50  | 58  | 53  | 50  | 49  |    |    |    | 49  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 153431 |
| 5°  | 149570 |
| 10° | 139053 |
| 15° | 123837 |
| 20° | 105242 |
| 25° | 84924  |
| 30° | 64744  |
| 35° | 46043  |
| 40° | 30400  |
| 45° | 18017  |
| 50° | 10575  |
| 55° | 6499   |
| 60° | 5789   |
| 65° | 5241   |
| 70° | 4488   |
| 75° | 3897   |
| 80° | 3915   |
| 85° | 3774   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18017 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.1   | 11.2      |
| 10°-20°   | 151.2  | 26.8      |
| 20°-30°   | 160.2  | 28.4      |
| 30°-40°   | 108.2  | 19.2      |
| 40°-50°   | 47.4   | 8.4       |
| 50°-60°   | 17.0   | 3.0       |
| 60°-70°   | 10.0   | 1.8       |
| 70°-80°   | 5.2    | 0.9       |
| 80°-90°   | 1.7    | 0.3       |
| 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°    | 374.5  | 66.4      |
| 0°-40°    | 482.7  | 85.6      |
| 0°-60°    | 547.1  | 97.0      |
| 0°-90°    | 564.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 564.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 700 |      |
| 5°  | 680 | 63   |
| 15° | 546 | 151  |
| 25° | 351 | 160  |
| 35° | 172 | 108  |
| 45° | 58  | 47   |
| 55° | 17  | 17   |
| 65° | 10  | 10   |
| 75° | 5   | 5    |
| 85° | 2   | 2    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 699.7 |
| 2.5°  | 694.3 |
| 5°    | 679.5 |
| 7.5°  | 655.5 |
| 10°   | 624.5 |
| 12.5° | 587.3 |
| 15°   | 545.5 |
| 17.5° | 499.0 |
| 20°   | 451.0 |
| 22.5° | 400.6 |
| 25°   | 351.0 |
| 27.5° | 302.2 |
| 30°   | 255.7 |
| 32.5° | 211.5 |
| 35°   | 172.0 |
| 37.5° | 136.4 |
| 40°   | 106.2 |
| 42.5° | 79.8  |
| 45°   | 58.1  |
| 47.5° | 42.6  |
| 50°   | 31.0  |
| 52.5° | 21.7  |
| 55°   | 17.0  |
| 57.5° | 15.5  |
| 60°   | 13.2  |
| 62.5° | 11.6  |
| 65°   | 10.1  |
| 67.5° | 8.5   |
| 70°   | 7.0   |
| 72.5° | 6.2   |
| 75°   | 4.6   |
| 77.5° | 3.9   |
| 80°   | 3.1   |
| 82.5° | 2.3   |
| 85°   | 1.5   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)