

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: P1298396

Luminaire Tested: P3AS13R60W2N902765DE010 E3D1WMH\_3500K

Issue Date: 1/29/2026

**Test Information**

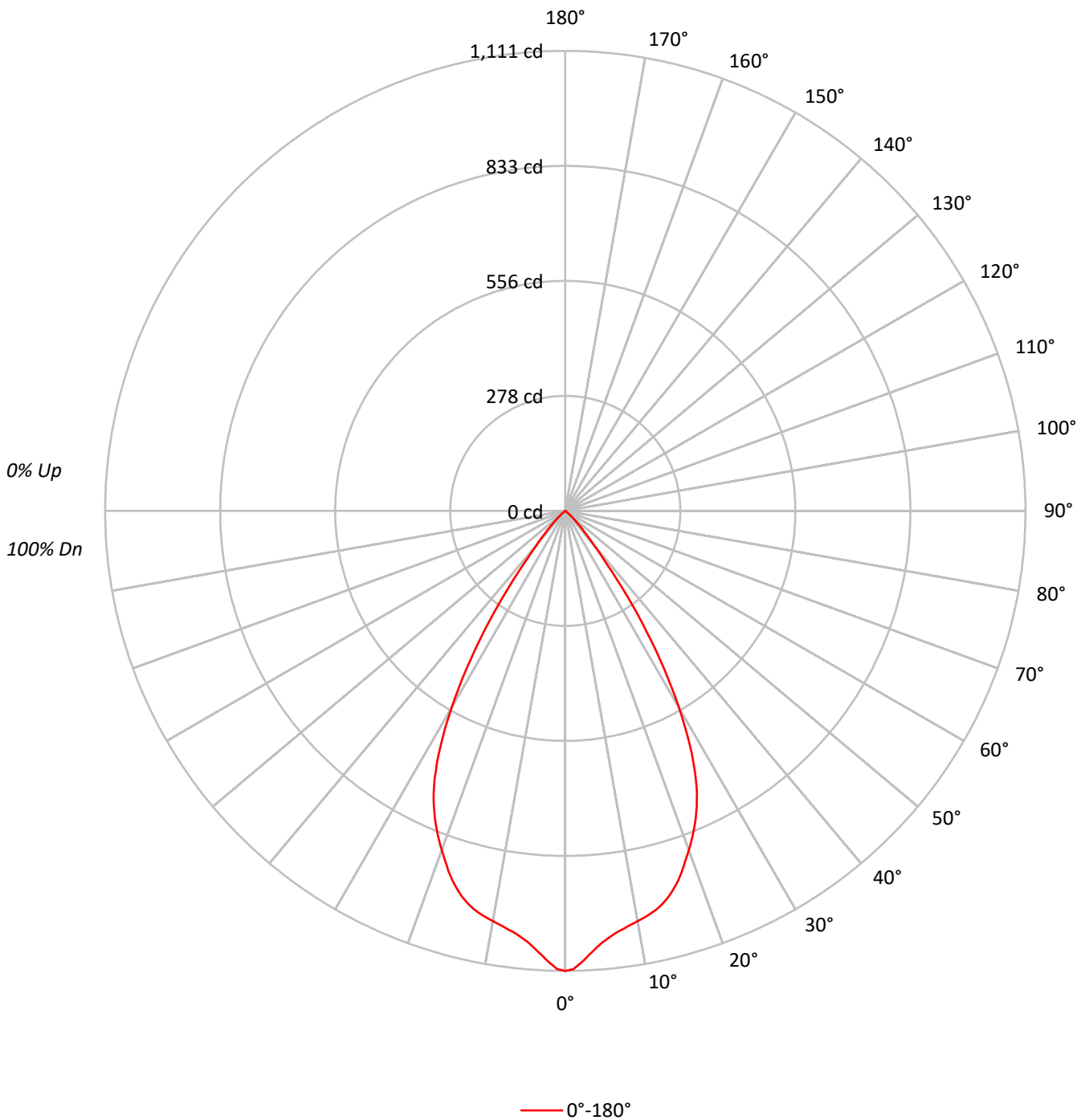
Test Method: LM-79-2019  
Report Number: P1298396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R60W2N902765DE010 E3D1WMH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3500K CCT AND, 90CRI ,  
E3D1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 930.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88  
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  |     |    |    |   |
| 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 |    |    |   |
| 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 | 96  | 91  | 88  | 93  | 89  | 86  | 91  | 87  | 85  | 88  | 86  | 84  | 82  |    |    |   |
| 4   | 98  | 91  | 85  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  |    |    |   |
| 5   | 93  | 85  | 80  | 75  | 92  | 84  | 79  | 75  | 83  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |    |    |   |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  | 77  | 72  | 69  | 75  | 71  | 69  | 67  |    |    |   |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 63  |    |    |   |
| 8   | 81  | 71  | 65  | 61  | 79  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 59  |    |    |   |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 56  |    |    |   |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 53  |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 243665 |
| 5°  | 230024 |
| 10° | 224044 |
| 15° | 218934 |
| 20° | 203554 |
| 25° | 181970 |
| 30° | 139009 |
| 35° | 80254  |
| 40° | 31144  |
| 45° | 12963  |
| 50° | 2866   |
| 55° | 421    |
| 60° | 351    |
| 65° | 208    |
| 70° | 256    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12963 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.7   | 10.6      |
| 10°-20°   | 268.6  | 28.9      |
| 20°-30°   | 336.5  | 36.2      |
| 30°-40°   | 188.1  | 20.2      |
| 40°-50°   | 35.7   | 3.8       |
| 50°-60°   | 1.8    | 0.2       |
| 60°-70°   | 0.4    | 0.0       |
| 70°-80°   | 0.2    | 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°    | 703.8  | 75.7      |
| 0°-40°    | 891.8  | 95.9      |
| 0°-60°    | 929.4  | 99.9      |
| 0°-90°    | 930.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 930.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1111 |      |
| 5°  | 1045 | 99   |
| 15° | 964  | 269  |
| 25° | 752  | 336  |
| 35° | 300  | 188  |
| 45° | 42   | 36   |
| 55° | 1    | 2    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1111.2 |
| 1°    | 1106.7 |
| 2°    | 1092.2 |
| 3°    | 1075.1 |
| 4°    | 1059.1 |
| 5°    | 1045.0 |
| 6°    | 1034.4 |
| 7°    | 1025.3 |
| 8°    | 1018.4 |
| 9°    | 1011.9 |
| 10°   | 1006.2 |
| 11°   | 1000.5 |
| 12°   | 994.1  |
| 13°   | 986.1  |
| 14°   | 976.6  |
| 15°   | 964.4  |
| 16°   | 949.6  |
| 17°   | 932.8  |
| 18°   | 913.8  |
| 19°   | 892.1  |
| 20°   | 872.3  |
| 21°   | 851.0  |
| 22°   | 829.0  |
| 23°   | 805.8  |
| 24°   | 780.3  |
| 25°   | 752.1  |
| 26°   | 719.0  |
| 27°   | 682.1  |
| 28°   | 640.6  |
| 29°   | 596.5  |
| 30°   | 549.0  |
| 31°   | 501.0  |
| 32°   | 451.6  |
| 32.5° | 424.6  |
| 33°   | 400.2  |
| 34°   | 349.6  |
| 35°   | 299.8  |
| 36°   | 254.9  |
| 37°   | 207.3  |
| 37.5° | 185.7  |
| 38°   | 164.3  |
| 39°   | 132.4  |
| 40°   | 108.8  |
| 42.5° | 66.2   |
| 45°   | 41.8   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°   |
|-------|------|
| 47.5° | 23.2 |
| 50°   | 8.4  |
| 52.5° | 1.9  |
| 55°   | 1.1  |
| 57.5° | 0.8  |
| 60°   | 0.8  |
| 62.5° | 0.4  |
| 65°   | 0.4  |
| 67.5° | 0.4  |
| 70°   | 0.4  |
| 72.5° | 0.4  |
| 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)