

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: P1298044

Luminaire Tested: P3A13R55W2N902765DE010 E3CD1MMS\_6500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1298044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R55W2N902765DE010 E3CD1MMS\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,  
E3CD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

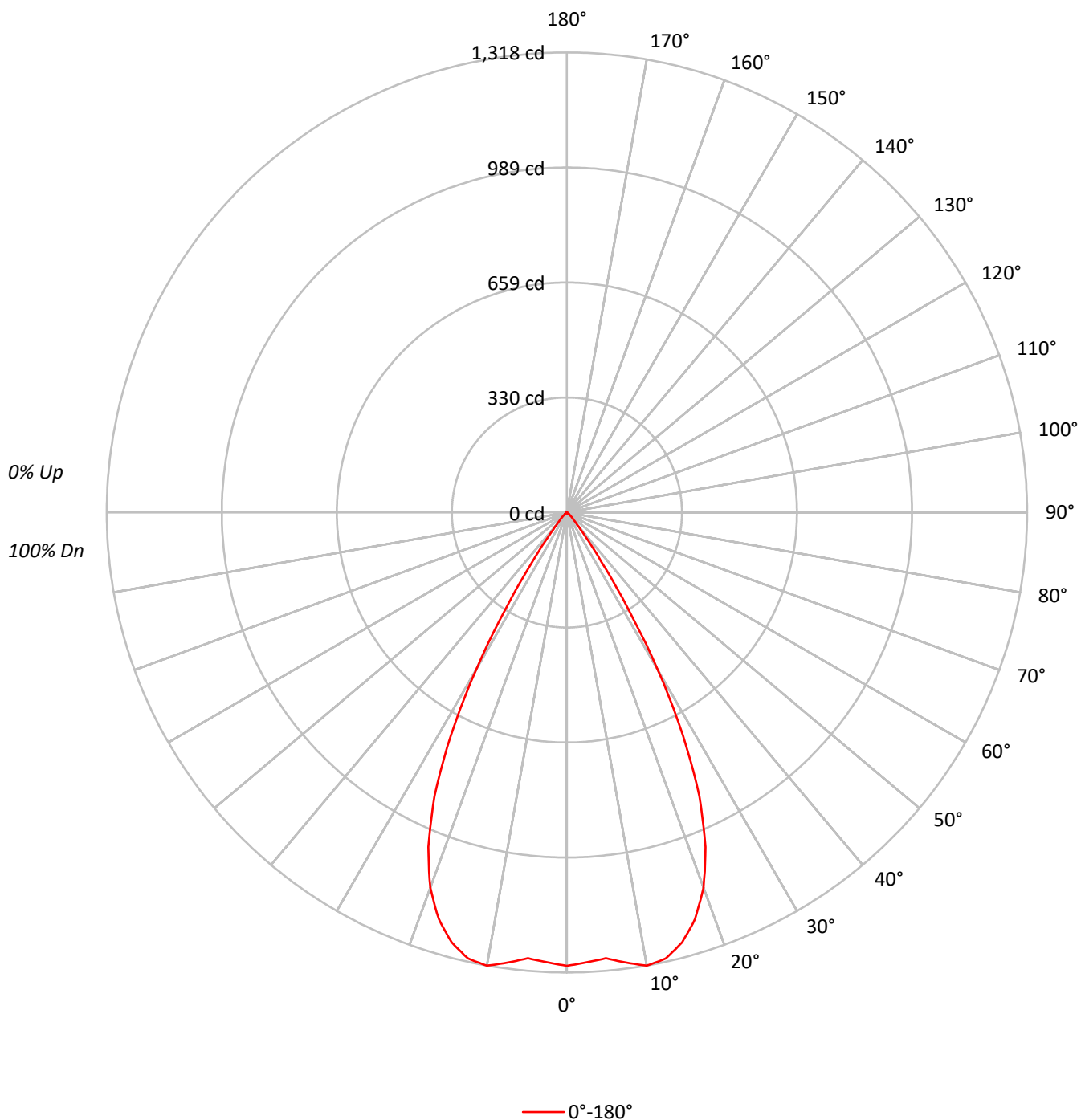
Lumens per Lamp: N/A  
Luminaire Lumens: 1026.9 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |  | 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 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 |  | 101 | 100 | 99  |  | 98  | 97  | 96  |  | 94  |
| 2   | 109 | 104 | 101 | 98  | 107 | 103 | 99  | 96  | 100 | 97  | 94  |  | 97  | 94  | 92  |  | 94  | 92  | 90  |  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 86  |  | 90  | 87  | 85  |  | 84  |
| 4   | 99  | 92  | 87  | 84  | 98  | 91  | 87  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 86  | 83  | 80  |  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 74  |
| 6   | 91  | 83  | 77  | 73  | 89  | 82  | 77  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 78  | 74  | 72  |  | 70  |
| 7   | 87  | 78  | 73  | 69  | 85  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 66  |
| 8   | 83  | 74  | 69  | 65  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 67  | 64  |  | 71  | 67  | 64  |  | 63  |
| 9   | 79  | 71  | 65  | 61  | 78  | 70  | 65  | 61  | 69  | 64  | 61  |  | 68  | 64  | 61  |  | 68  | 64  | 61  |  | 60  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 62  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 65  | 61  | 58  |  | 57  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 284846 |
| 5°  | 282192 |
| 10° | 293537 |
| 15° | 289468 |
| 20° | 266933 |
| 25° | 217174 |
| 30° | 131919 |
| 35° | 45668  |
| 40° | 13024  |
| 45° | 6233   |
| 50° | 2627   |
| 55° | 1185   |
| 60° | 1360   |
| 65° | 1193   |
| 70° | 962    |
| 75° | 1271   |
| 80° | 1010   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 6233 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.9  | 12.1      |
| 10°-20°   | 354.4  | 34.5      |
| 20°-30°   | 395.1  | 38.5      |
| 30°-40°   | 129.2  | 12.6      |
| 40°-50°   | 17.0   | 1.7       |
| 50°-60°   | 3.6    | 0.4       |
| 60°-70°   | 2.1    | 0.2       |
| 70°-80°   | 1.3    | 0.1       |
| 80°-90°   | 0.3    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 873.4  | 85.0      |
| 0°-40°    | 1002.6 | 97.6      |
| 0°-60°    | 1023.2 | 99.6      |
| 0°-90°    | 1026.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1026.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1299 |      |
| 5°  | 1282 | 124  |
| 15° | 1275 | 354  |
| 25° | 898  | 395  |
| 35° | 171  | 129  |
| 45° | 20   | 17   |
| 55° | 3    | 4    |
| 65° | 2    | 2    |
| 75° | 2    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1299.0 |
| 2.5°  | 1289.7 |
| 5°    | 1282.0 |
| 7.5°  | 1300.5 |
| 10°   | 1318.3 |
| 12.5° | 1309.0 |
| 15°   | 1275.1 |
| 17.5° | 1221.0 |
| 20°   | 1143.9 |
| 22.5° | 1037.3 |
| 25°   | 897.6  |
| 27.5° | 720.1  |
| 30°   | 521.0  |
| 32.5° | 319.5  |
| 35°   | 170.6  |
| 37.5° | 86.4   |
| 40°   | 45.5   |
| 42.5° | 29.3   |
| 45°   | 20.1   |
| 47.5° | 13.9   |
| 50°   | 7.7    |
| 52.5° | 4.6    |
| 55°   | 3.1    |
| 57.5° | 3.1    |
| 60°   | 3.1    |
| 62.5° | 2.3    |
| 65°   | 2.3    |
| 67.5° | 1.5    |
| 70°   | 1.5    |
| 72.5° | 1.5    |
| 75°   | 1.5    |
| 77.5° | 0.8    |
| 80°   | 0.8    |
| 82.5° | 0.8    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)