

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: P1297959

Luminaire Tested: P3A13R55W2N902750DE010 E3DLD1GPH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R55W2N902750DE010 E3DLD1GPH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,  
E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

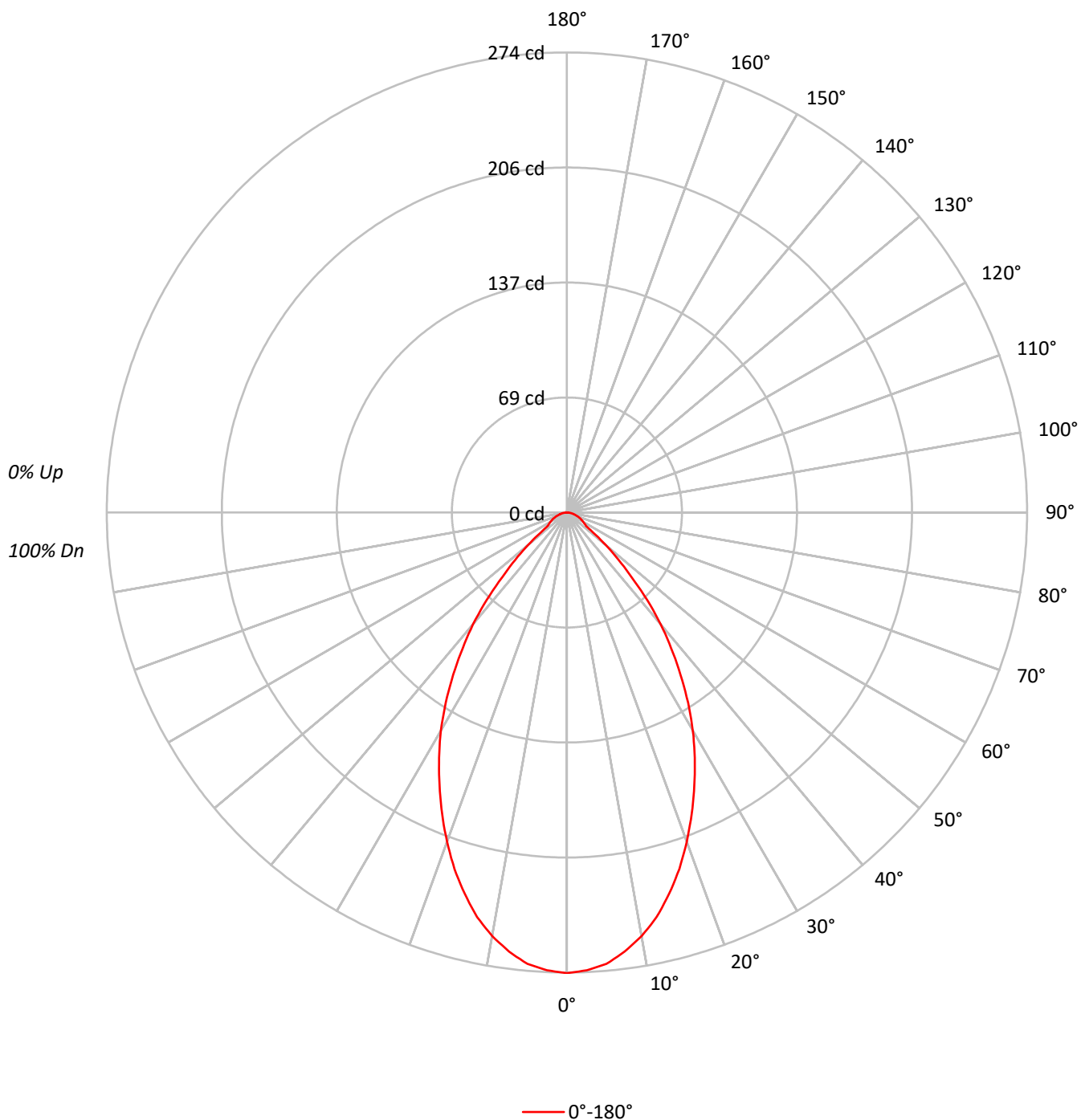
Lumens per Lamp: N/A  
Luminaire Lumens: 320.0 lumens  
Efficiency: N/A  
Efficacy: 26.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98  |  | 99  | 97  | 95  |  | 95  | 94  | 93  | 91  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 89  | 86  | 84  | 82  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 85  | 81  | 77  |  | 82  | 79  | 76  | 74  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  |  | 78  | 74  | 70  |  | 76  | 73  | 69  | 68  |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  | 67  | 64  | 62  |
| 6   | 82  | 72  | 65  | 60  | 80  | 71  | 64  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 66  | 62  | 58  | 57  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  | 57  | 54  | 52  |
| 8   | 73  | 62  | 55  | 51  | 72  | 62  | 55  | 51  | 60  | 55  | 50  |  | 59  | 54  | 50  |  | 58  | 53  | 50  | 48  |
| 9   | 69  | 58  | 51  | 47  | 68  | 58  | 51  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  | 50  | 46  | 45  |
| 10  | 65  | 55  | 48  | 44  | 64  | 54  | 48  | 44  | 53  | 47  | 43  |  | 52  | 47  | 43  |  | 52  | 47  | 43  | 42  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 60171 |
| 5°  | 59410 |
| 10° | 57046 |
| 15° | 53371 |
| 20° | 48678 |
| 25° | 43430 |
| 30° | 37981 |
| 35° | 31561 |
| 40° | 24875 |
| 45° | 16870 |
| 50° | 10302 |
| 55° | 5352  |
| 60° | 4956  |
| 65° | 4722  |
| 70° | 4360  |
| 75° | 3813  |
| 80° | 3788  |
| 85° | 2768  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16870 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.3   | 7.9       |
| 10°-20°   | 65.7   | 20.5      |
| 20°-30°   | 82.3   | 25.7      |
| 30°-40°   | 73.4   | 22.9      |
| 40°-50°   | 43.0   | 13.4      |
| 50°-60°   | 14.9   | 4.6       |
| 60°-70°   | 9.0    | 2.8       |
| 70°-80°   | 5.0    | 1.6       |
| 80°-90°   | 1.4    | 0.5       |
| 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°    | 173.3  | 54.2      |
| 0°-40°    | 246.7  | 77.1      |
| 0°-60°    | 304.6  | 95.2      |
| 0°-90°    | 320.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 320.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 274 |      |
| 5°  | 270 | 25   |
| 15° | 235 | 66   |
| 25° | 180 | 82   |
| 35° | 118 | 73   |
| 45° | 54  | 43   |
| 55° | 14  | 15   |
| 65° | 9   | 9    |
| 75° | 4   | 5    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 274.4 |
| 2.5°  | 272.9 |
| 5°    | 269.9 |
| 7.5°  | 263.8 |
| 10°   | 256.2 |
| 12.5° | 246.8 |
| 15°   | 235.1 |
| 17.5° | 222.6 |
| 20°   | 208.6 |
| 22.5° | 194.3 |
| 25°   | 179.5 |
| 27.5° | 164.8 |
| 30°   | 150.0 |
| 32.5° | 134.2 |
| 35°   | 117.9 |
| 37.5° | 102.0 |
| 40°   | 86.9  |
| 42.5° | 70.7  |
| 45°   | 54.4  |
| 47.5° | 41.6  |
| 50°   | 30.2  |
| 52.5° | 19.7  |
| 55°   | 14.0  |
| 57.5° | 12.5  |
| 60°   | 11.3  |
| 62.5° | 10.2  |
| 65°   | 9.1   |
| 67.5° | 7.9   |
| 70°   | 6.8   |
| 72.5° | 5.7   |
| 75°   | 4.5   |
| 77.5° | 3.8   |
| 80°   | 3.0   |
| 82.5° | 1.9   |
| 85°   | 1.1   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)