

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: P1297046

Luminaire Tested: P3A13R40W2N902750DE010 E3DLD1GPH\_5000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R40W2N902750DE010 E3DLD1GPH\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
E3DLD1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

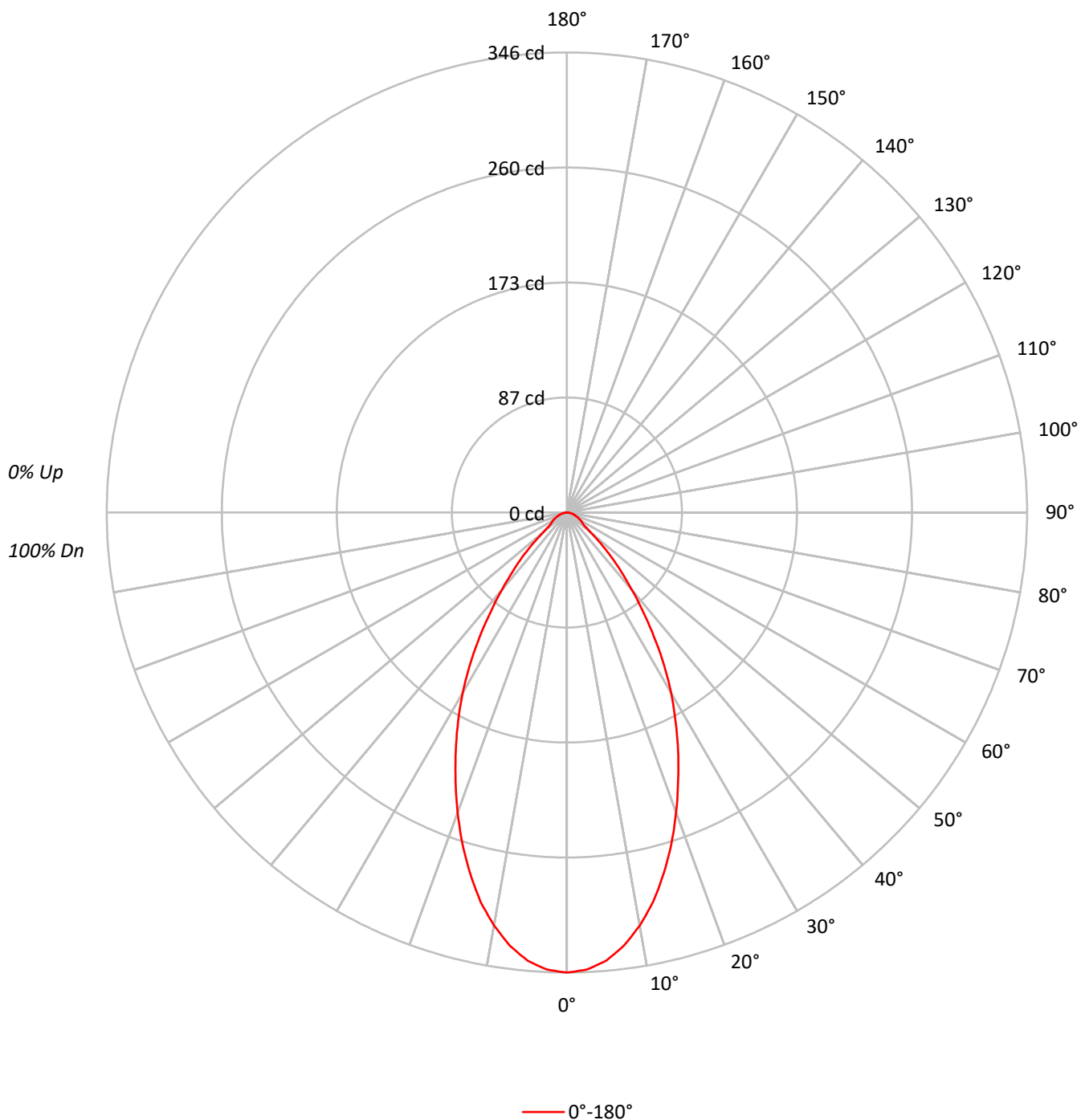
Lumens per Lamp: N/A  
Luminaire Lumens: 338.0 lumens  
Efficiency: N/A  
Efficacy: 27.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  |  | 92  | 89  | 87  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 94  | 85  | 79  | 74  | 92  | 84  | 78  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 78  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  |  | 75  | 70  | 66  |  | 73  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 67  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 62  | 57  | 78  | 68  | 62  | 57  | 67  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  |  | 62  | 56  | 53  |  | 61  |
| 9   | 71  | 60  | 54  | 50  | 70  | 60  | 54  | 50  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 67  | 57  | 51  | 46  | 66  | 56  | 50  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 75871 |
| 5°  | 74488 |
| 10° | 70228 |
| 15° | 63792 |
| 20° | 56028 |
| 25° | 47858 |
| 30° | 39652 |
| 35° | 30570 |
| 40° | 21755 |
| 45° | 14668 |
| 50° | 7983  |
| 55° | 5620  |
| 60° | 5307  |
| 65° | 4929  |
| 70° | 4360  |
| 75° | 4151  |
| 80° | 3283  |
| 85° | 2768  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14668 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.6   | 9.3       |
| 10°-20°   | 78.3   | 23.2      |
| 20°-30°   | 90.5   | 26.8      |
| 30°-40°   | 71.3   | 21.1      |
| 40°-50°   | 36.6   | 10.8      |
| 50°-60°   | 14.0   | 4.1       |
| 60°-70°   | 9.3    | 2.7       |
| 70°-80°   | 5.0    | 1.5       |
| 80°-90°   | 1.5    | 0.4       |
| 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°    | 200.3  | 59.3      |
| 0°-40°    | 271.6  | 80.4      |
| 0°-60°    | 322.2  | 95.3      |
| 0°-90°    | 338.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 338.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 346 |      |
| 5°  | 338 | 32   |
| 15° | 281 | 78   |
| 25° | 198 | 90   |
| 35° | 114 | 71   |
| 45° | 47  | 37   |
| 55° | 15  | 14   |
| 65° | 10  | 9    |
| 75° | 5   | 5    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 346.0 |
| 2.5°  | 344.1 |
| 5°    | 338.4 |
| 7.5°  | 328.6 |
| 10°   | 315.4 |
| 12.5° | 299.9 |
| 15°   | 281.0 |
| 17.5° | 261.3 |
| 20°   | 240.1 |
| 22.5° | 218.6 |
| 25°   | 197.8 |
| 27.5° | 177.0 |
| 30°   | 156.6 |
| 32.5° | 135.8 |
| 35°   | 114.2 |
| 37.5° | 94.2  |
| 40°   | 76.0  |
| 42.5° | 60.5  |
| 45°   | 47.3  |
| 47.5° | 34.4  |
| 50°   | 23.4  |
| 52.5° | 17.0  |
| 55°   | 14.7  |
| 57.5° | 13.2  |
| 60°   | 12.1  |
| 62.5° | 10.6  |
| 65°   | 9.5   |
| 67.5° | 7.9   |
| 70°   | 6.8   |
| 72.5° | 5.7   |
| 75°   | 4.9   |
| 77.5° | 3.8   |
| 80°   | 2.6   |
| 82.5° | 2.3   |
| 85°   | 1.1   |
| 87.5° | 0.8   |
| 90°   | 0.0   |

(END OF REPORT)