

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: P1301038

Luminaire Tested: P3A17R40W2N902765DE010 E3DLP1GPH\_4000K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1301038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R40W2N902765DE010 E3DLP1GPH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,  
E3DLP1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

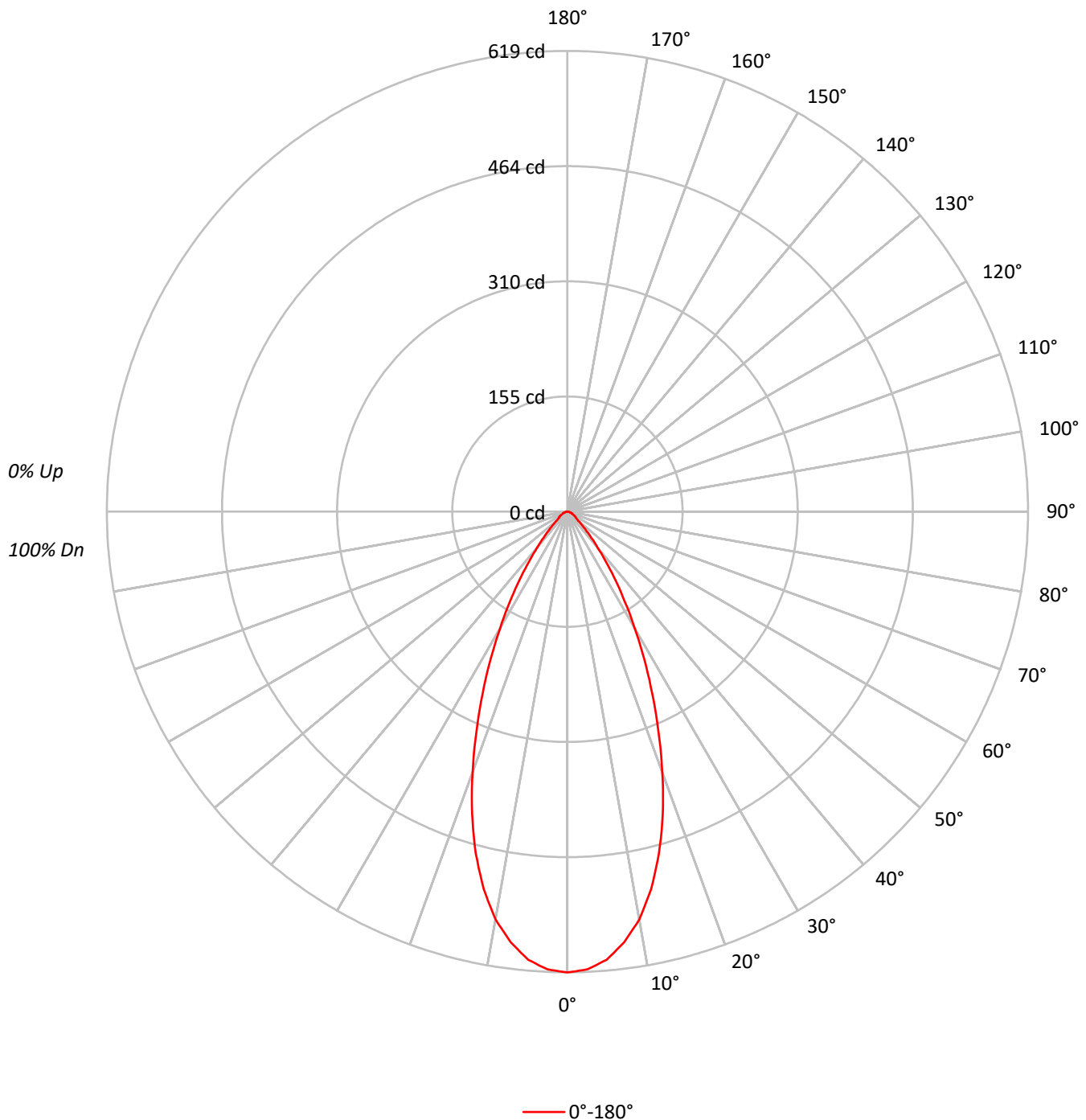
Lumens per Lamp: N/A  
Luminaire Lumens: 436.0 lumens  
Efficiency: N/A  
Efficacy: 22.5 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.4  
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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 96  | 95  | 93  |
| 2   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 93  | 97  | 94  | 91  |  | 94  | 92  | 89  |  | 92  | 89  | 88  | 86  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 86  | 84  | 81  | 80  |
| 4   | 97  | 89  | 83  | 79  | 95  | 88  | 83  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 76  | 74  |
| 5   | 92  | 83  | 77  | 73  | 90  | 82  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  | 74  | 71  | 69  |
| 6   | 87  | 78  | 72  | 68  | 86  | 78  | 72  | 68  | 76  | 71  | 67  |  | 75  | 70  | 67  |  | 73  | 69  | 66  | 65  |
| 7   | 83  | 74  | 68  | 64  | 82  | 73  | 68  | 63  | 72  | 67  | 63  |  | 71  | 66  | 63  |  | 70  | 66  | 62  | 61  |
| 8   | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 59  |  | 67  | 63  | 59  |  | 66  | 62  | 59  | 58  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  | 59  | 56  | 54  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  | 56  | 53  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 135757 |
| 5°  | 133017 |
| 10° | 123845 |
| 15° | 107946 |
| 20° | 86994  |
| 25° | 65205  |
| 30° | 45830  |
| 35° | 30035  |
| 40° | 18177  |
| 45° | 10854  |
| 50° | 6482   |
| 55° | 5238   |
| 60° | 4693   |
| 65° | 3995   |
| 70° | 3783   |
| 75° | 3050   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10854 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.1   | 12.9      |
| 10°-20°   | 131.0  | 30.0      |
| 20°-30°   | 123.4  | 28.3      |
| 30°-40°   | 71.4   | 16.4      |
| 40°-50°   | 28.4   | 6.5       |
| 50°-60°   | 12.6   | 2.9       |
| 60°-70°   | 7.8    | 1.8       |
| 70°-80°   | 4.1    | 0.9       |
| 80°-90°   | 1.3    | 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°    | 310.5  | 71.2      |
| 0°-40°    | 381.8  | 87.6      |
| 0°-60°    | 422.9  | 97.0      |
| 0°-90°    | 436.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 436.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 619 |      |
| 5°  | 604 | 56   |
| 15° | 476 | 131  |
| 25° | 270 | 123  |
| 35° | 112 | 71   |
| 45° | 35  | 28   |
| 55° | 14  | 13   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 619.1 |
| 2.5°  | 615.6 |
| 5°    | 604.3 |
| 7.5°  | 583.5 |
| 10°   | 556.2 |
| 12.5° | 519.4 |
| 15°   | 475.5 |
| 17.5° | 426.2 |
| 20°   | 372.8 |
| 22.5° | 319.4 |
| 25°   | 269.5 |
| 27.5° | 223.2 |
| 30°   | 181.0 |
| 32.5° | 144.2 |
| 35°   | 112.2 |
| 37.5° | 84.9  |
| 40°   | 63.5  |
| 42.5° | 47.5  |
| 45°   | 35.0  |
| 47.5° | 25.5  |
| 50°   | 19.0  |
| 52.5° | 15.4  |
| 55°   | 13.7  |
| 57.5° | 12.5  |
| 60°   | 10.7  |
| 62.5° | 8.9   |
| 65°   | 7.7   |
| 67.5° | 6.5   |
| 70°   | 5.9   |
| 72.5° | 4.7   |
| 75°   | 3.6   |
| 77.5° | 3.0   |
| 80°   | 2.4   |
| 82.5° | 1.8   |
| 85°   | 1.2   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)