

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: P1269422

Luminaire Tested: P3A09R309740DE010 E3DLP1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1269422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R309740DE010 E3DLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

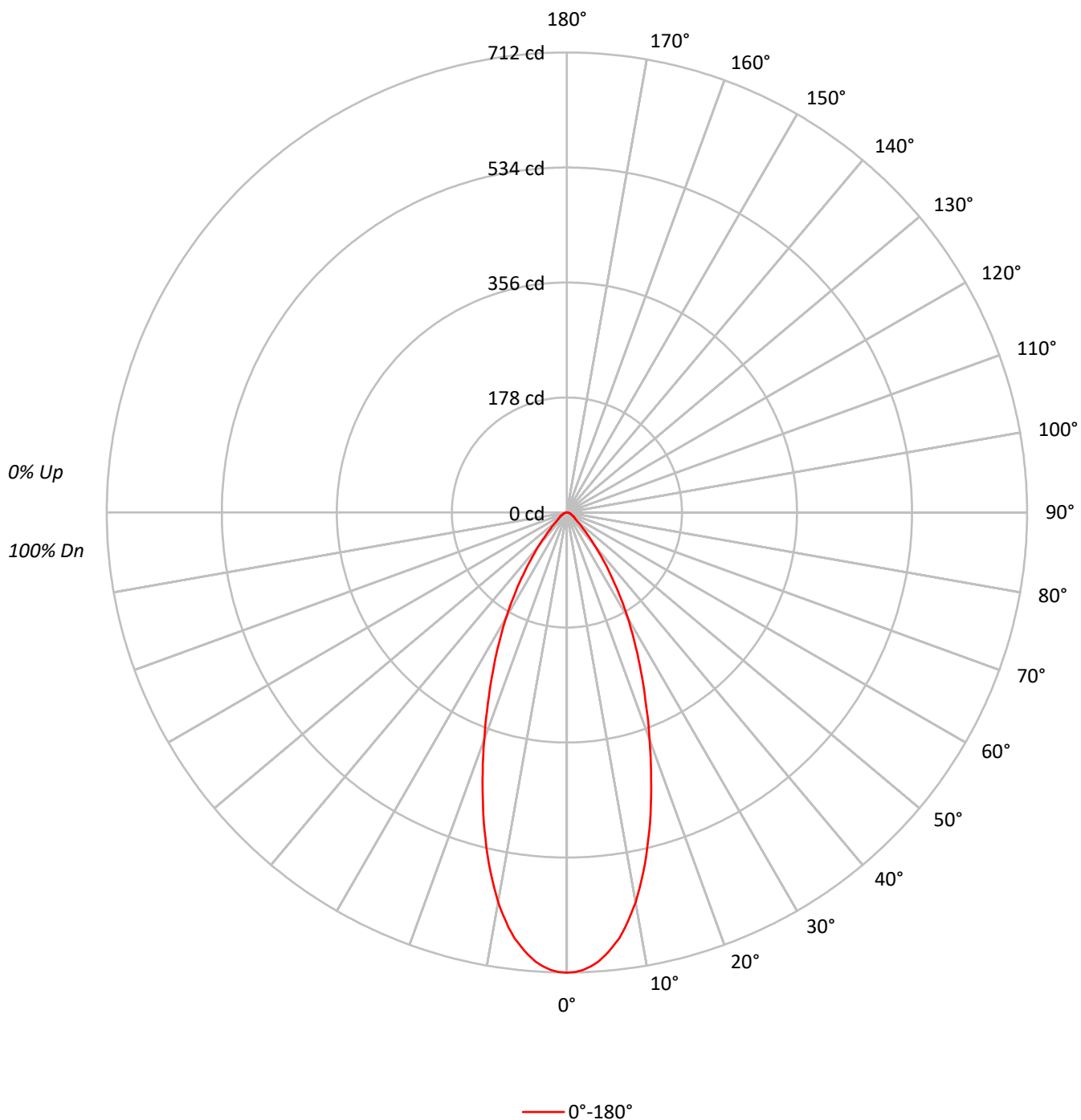
Lumens per Lamp: N/A  
Luminaire Lumens: 457.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 97  | 94  | 92  |  | 94  | 92  | 90  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 89  | 84  | 79  | 95  | 88  | 83  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 5   | 92  | 84  | 78  | 73  | 90  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 72  |  | 78  |
| 6   | 88  | 79  | 73  | 68  | 86  | 78  | 72  | 68  | 76  | 71  | 68  |  | 75  | 71  | 67  |  | 74  |
| 7   | 83  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 63  |  | 71  | 67  | 63  |  | 70  |
| 8   | 80  | 70  | 64  | 60  | 78  | 70  | 64  | 60  | 69  | 63  | 60  |  | 67  | 63  | 60  |  | 67  |
| 9   | 76  | 67  | 61  | 57  | 75  | 66  | 60  | 57  | 65  | 60  | 56  |  | 64  | 60  | 56  |  | 63  |
| 10  | 73  | 63  | 58  | 54  | 72  | 63  | 57  | 54  | 62  | 57  | 54  |  | 61  | 57  | 53  |  | 61  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 156172 |
| 5°  | 151309 |
| 10° | 136337 |
| 15° | 112759 |
| 20° | 87321  |
| 25° | 65496  |
| 30° | 47552  |
| 35° | 31668  |
| 40° | 19465  |
| 45° | 11412  |
| 50° | 7027   |
| 55° | 5696   |
| 60° | 4956   |
| 65° | 4047   |
| 70° | 3654   |
| 75° | 3643   |
| 80° | 2652   |
| 85° | 3522   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11412 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.2   | 13.8      |
| 10°-20°   | 136.8  | 29.9      |
| 20°-30°   | 124.5  | 27.2      |
| 30°-40°   | 75.2   | 16.5      |
| 40°-50°   | 30.2   | 6.6       |
| 50°-60°   | 13.4   | 2.9       |
| 60°-70°   | 8.1    | 1.8       |
| 70°-80°   | 4.4    | 1.0       |
| 80°-90°   | 1.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 324.5  | 71.0      |
| 0°-40°    | 399.8  | 87.5      |
| 0°-60°    | 443.3  | 97.0      |
| 0°-90°    | 457.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 457.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 712 |      |
| 5°  | 687 | 63   |
| 15° | 497 | 137  |
| 25° | 271 | 124  |
| 35° | 118 | 75   |
| 45° | 37  | 30   |
| 55° | 15  | 13   |
| 65° | 8   | 8    |
| 75° | 4   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 712.2 |
| 1°    | 711.5 |
| 2°    | 708.6 |
| 3°    | 703.7 |
| 4°    | 696.6 |
| 5°    | 687.4 |
| 6°    | 676.0 |
| 7°    | 664.0 |
| 8°    | 648.4 |
| 9°    | 630.7 |
| 10°   | 612.3 |
| 11°   | 591.0 |
| 12°   | 568.3 |
| 13°   | 545.6 |
| 14°   | 520.8 |
| 15°   | 496.7 |
| 17.5° | 433.7 |
| 20°   | 374.2 |
| 22.5° | 318.9 |
| 25°   | 270.7 |
| 27.5° | 226.8 |
| 30°   | 187.8 |
| 32.5° | 151.6 |
| 35°   | 118.3 |
| 37.5° | 90.7  |
| 40°   | 68.0  |
| 42.5° | 49.6  |
| 45°   | 36.8  |
| 47.5° | 27.6  |
| 50°   | 20.6  |
| 52.5° | 16.3  |
| 55°   | 14.9  |
| 57.5° | 12.8  |
| 60°   | 11.3  |
| 62.5° | 9.2   |
| 65°   | 7.8   |
| 67.5° | 7.1   |
| 70°   | 5.7   |
| 72.5° | 5.0   |
| 75°   | 4.3   |
| 77.5° | 3.5   |
| 80°   | 2.1   |
| 82.5° | 1.4   |
| 85°   | 1.4   |
| 87.5° | 0.7   |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)