

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: P1270220

Luminaire Tested: P3A17R409740DE010 E3D1MW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1270220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R409740DE010 E3D1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3D1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

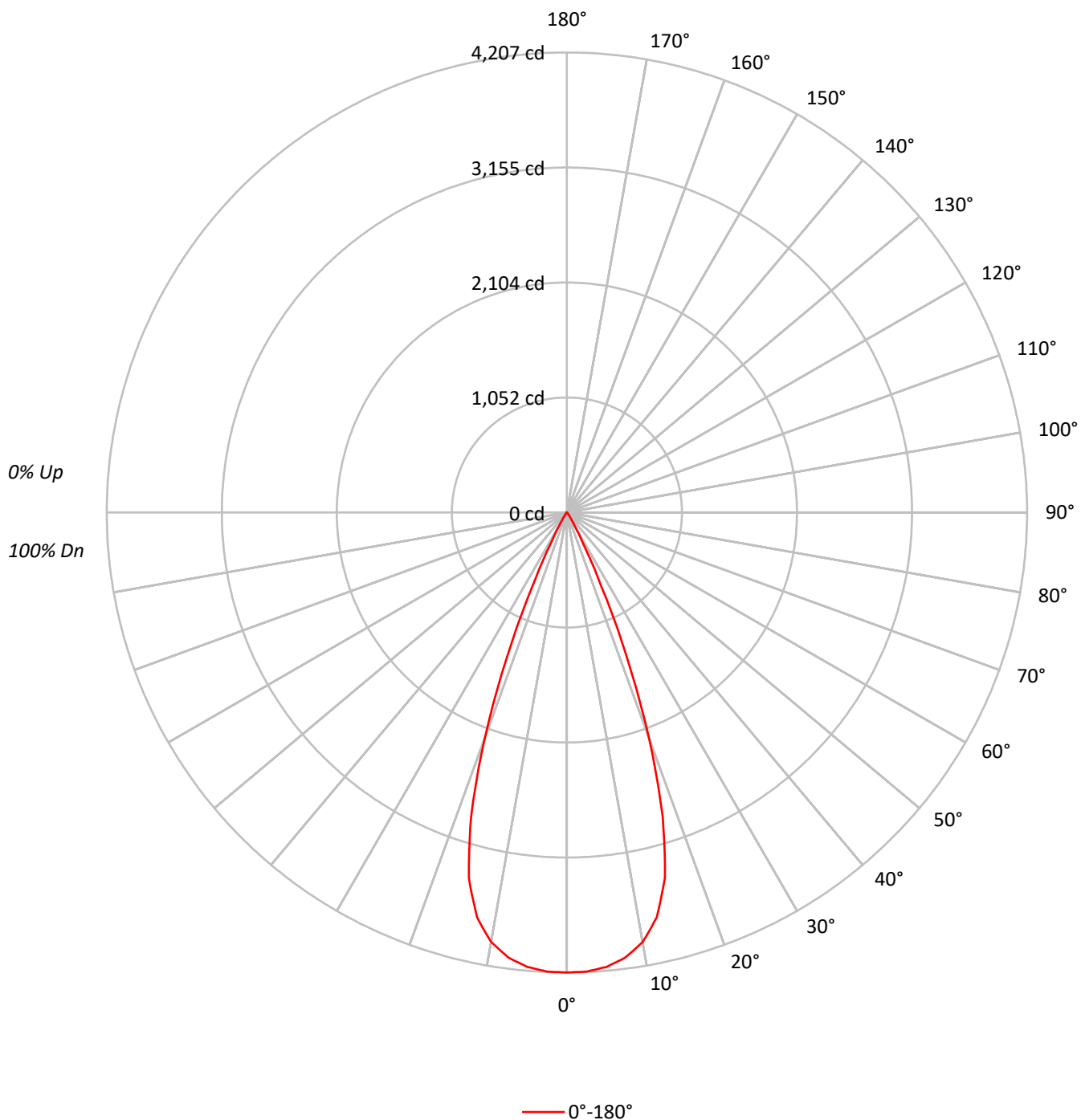
Lumens per Lamp: N/A  
Luminaire Lumens: 1751.9 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  | 98  | 98  | 96  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 96  | 95  | 94  | 92  |
| 3   | 107 | 102 | 98  | 95  | 105 | 100 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  | 92  | 90  | 89  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  | 88  | 86  | 85  |
| 5   | 100 | 93  | 89  | 86  | 98  | 92  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  | 85  | 83  | 82  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  | 82  | 80  | 79  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  | 79  | 77  | 76  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  | 77  | 75  | 73  |
| 9   | 87  | 80  | 76  | 73  | 87  | 80  | 76  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  | 74  | 72  | 71  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 73  | 70  |  | 76  | 72  | 70  |  | 75  | 72  | 70  | 69  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 922470 |
| 5°  | 918047 |
| 10° | 888115 |
| 15° | 785748 |
| 20° | 512655 |
| 25° | 181607 |
| 30° | 38512  |
| 35° | 12689  |
| 40° | 4637   |
| 45° | 1551   |
| 50° | 1262   |
| 55° | 1415   |
| 60° | 1096   |
| 65° | 1297   |
| 70° | 769    |
| 75° | 1017   |
| 80° | 1515   |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2016 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 392.4  | 22.4      |
| 10°-20°   | 913.9  | 52.2      |
| 20°-30°   | 396.6  | 22.6      |
| 30°-40°   | 36.6   | 2.1       |
| 40°-50°   | 5.2    | 0.3       |
| 50°-60°   | 3.2    | 0.2       |
| 60°-70°   | 2.3    | 0.1       |
| 70°-80°   | 1.3    | 0.1       |
| 80°-90°   | 0.5    | 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°    | 1702.9 | 97.2      |
| 0°-40°    | 1739.5 | 99.3      |
| 0°-60°    | 1747.8 | 99.8      |
| 0°-90°    | 1751.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1751.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4207 |      |
| 5°  | 4171 | 392  |
| 15° | 3461 | 914  |
| 25° | 751  | 397  |
| 35° | 47   | 37   |
| 45° | 5    | 5    |
| 55° | 4    | 3    |
| 65° | 2    | 2    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4206.8 |
| 2.5°  | 4201.8 |
| 5°    | 4170.7 |
| 7.5°  | 4104.6 |
| 10°   | 3988.6 |
| 12.5° | 3792.9 |
| 15°   | 3461.2 |
| 17.5° | 2911.4 |
| 20°   | 2196.9 |
| 22.5° | 1426.4 |
| 25°   | 750.6  |
| 27.5° | 322.9  |
| 30°   | 152.1  |
| 32.5° | 82.3   |
| 35°   | 47.4   |
| 37.5° | 28.7   |
| 40°   | 16.2   |
| 42.5° | 8.7    |
| 45°   | 5.0    |
| 47.5° | 3.7    |
| 50°   | 3.7    |
| 52.5° | 3.7    |
| 55°   | 3.7    |
| 57.5° | 3.7    |
| 60°   | 2.5    |
| 62.5° | 2.5    |
| 65°   | 2.5    |
| 67.5° | 2.5    |
| 70°   | 1.2    |
| 72.5° | 1.2    |
| 75°   | 1.2    |
| 77.5° | 1.2    |
| 80°   | 1.2    |
| 82.5° | 1.2    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)