

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: P1304597

Luminaire Tested: P3DUS20R409740D010 E3CBUS1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1304597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-90)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3DUS20R409740D010 E3CBUS1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

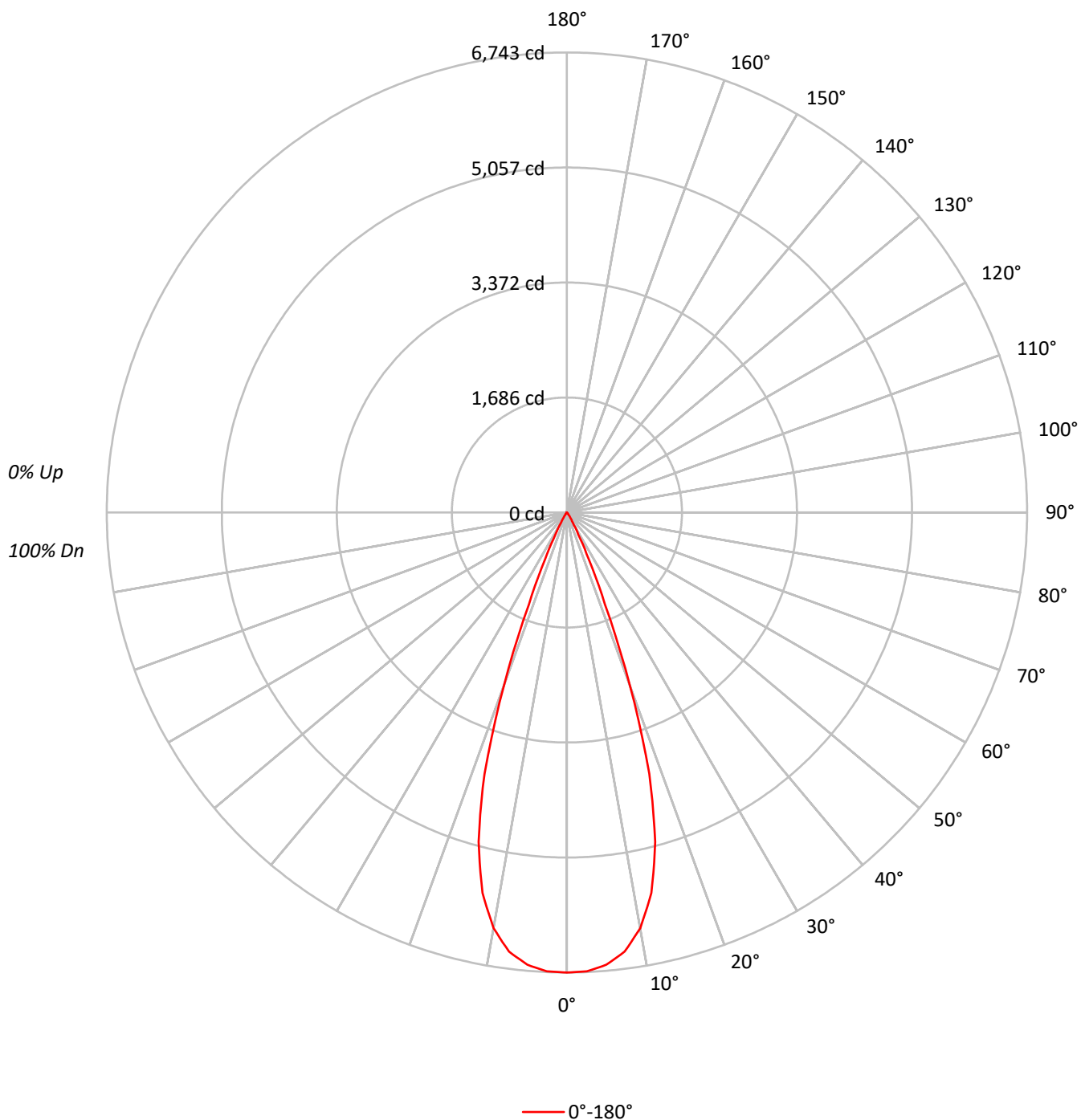
Lumens per Lamp: N/A  
Luminaire Lumens: 2405.0 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.55  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 94  | 93 | 91 |
| 3   | 107 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 94  | 92  | 94  | 93  | 91  | 92  | 90 | 88 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 94  | 91  | 95  | 92  | 90  | 94  | 91  | 89  | 92  | 90  | 88  | 89  | 87 | 85 |
| 5   | 101 | 95  | 90  | 87  | 99  | 94  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 89  | 87  | 85  | 87  | 84 | 82 |
| 6   | 98  | 91  | 87  | 84  | 96  | 90  | 86  | 84  | 89  | 86  | 83  | 88  | 85  | 83  | 87  | 84  | 82  | 84  | 81 | 79 |
| 7   | 95  | 88  | 84  | 81  | 94  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 82  | 79 | 77 |
| 8   | 92  | 85  | 81  | 78  | 91  | 85  | 80  | 78  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 77  | 80  | 77 | 74 |
| 9   | 89  | 82  | 78  | 75  | 88  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 75  | 80  | 77  | 74  | 77  | 74 | 72 |
| 10  | 87  | 80  | 76  | 73  | 86  | 79  | 75  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 77  | 74  | 72  | 77  | 74 | 71 |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1478675 |
| 5°  | 1464755 |
| 10° | 1377285 |
| 15° | 1134808 |
| 20° | 628421  |
| 25° | 182236  |
| 30° | 44969   |
| 35° | 16169   |
| 40° | 4065    |
| 45° | 0       |
| 50° | 0       |
| 55° | 0       |
| 60° | 0       |
| 65° | 0       |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 0 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 620.8  | 25.8      |
| 10°-20°   | 1308.4 | 54.4      |
| 20°-30°   | 430.5  | 17.9      |
| 30°-40°   | 43.3   | 1.8       |
| 40°-50°   | 1.9    | 0.1       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 2359.7 | 98.1      |
| 0°-40°    | 2403.0 | 99.9      |
| 0°-60°    | 2405.0 | 100.0     |
| 0°-90°    | 2405.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2405.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6743 |      |
| 5°  | 6654 | 621  |
| 15° | 4999 | 1308 |
| 25° | 753  | 431  |
| 35° | 60   | 43   |
| 45° | 0    | 2    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6743.3 |
| 2.5°  | 6732.6 |
| 5°    | 6654.4 |
| 7.5°  | 6491.0 |
| 10°   | 6185.5 |
| 12.5° | 5712.9 |
| 15°   | 4998.8 |
| 17.5° | 4014.7 |
| 20°   | 2693.0 |
| 22.5° | 1453.1 |
| 25°   | 753.2  |
| 27.5° | 358.8  |
| 30°   | 177.6  |
| 32.5° | 99.5   |
| 35°   | 60.4   |
| 37.5° | 32.0   |
| 40°   | 14.2   |
| 42.5° | 3.6    |
| 45°   | 0.0    |
| 47.5° | 0.0    |
| 50°   | 0.0    |
| 52.5° | 0.0    |
| 55°   | 0.0    |
| 57.5° | 0.0    |
| 60°   | 0.0    |
| 62.5° | 0.0    |
| 65°   | 0.0    |
| 67.5° | 0.0    |
| 70°   | 0.0    |
| 72.5° | 0.0    |
| 75°   | 0.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)