

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: P1274999

Luminaire Tested: P3AS02R209835DE010 E3DL1WMH

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1274999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS02R209835DE010 E3DL1WMH  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

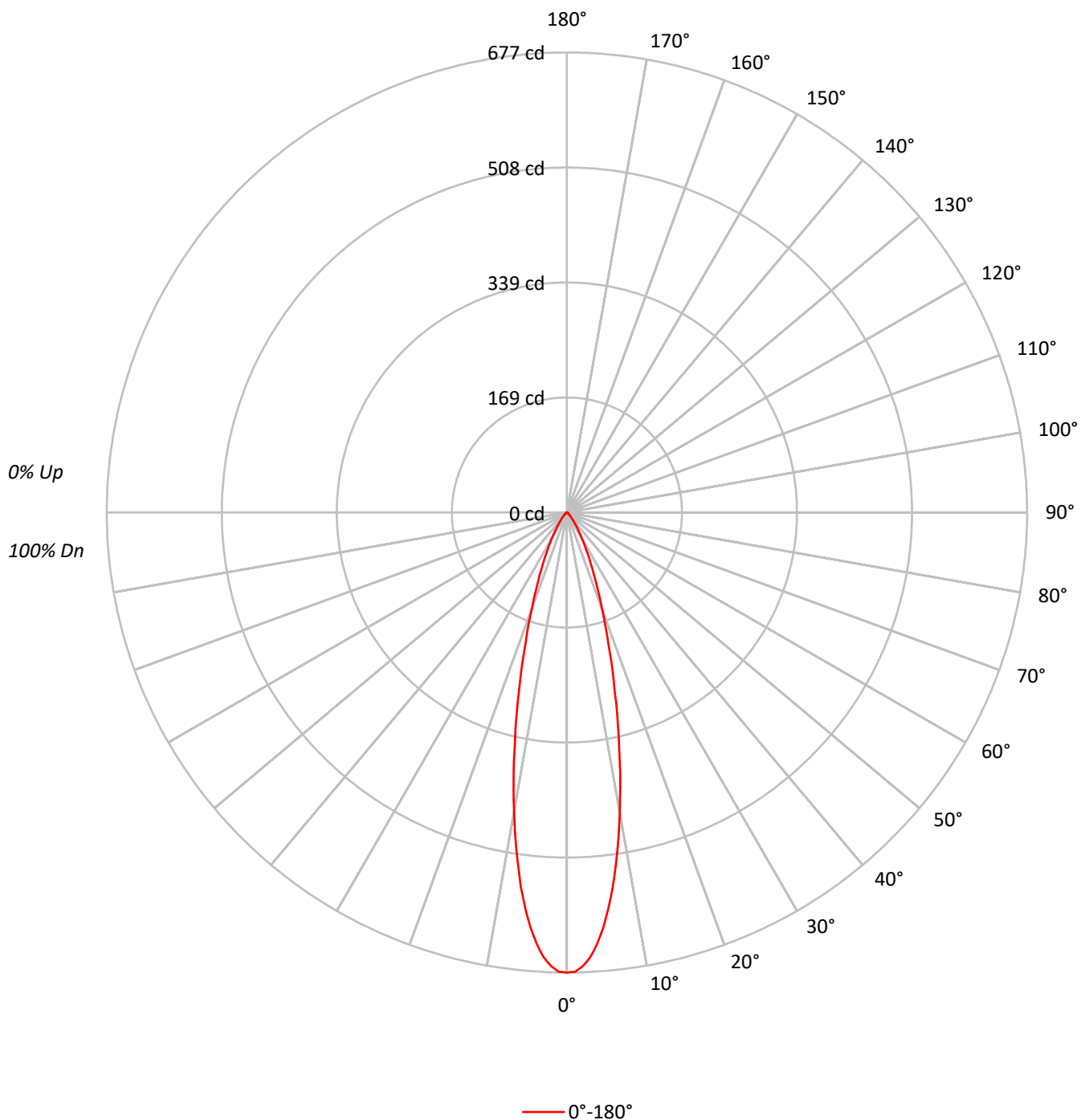
Lumens per Lamp: N/A  
Luminaire Lumens: 193.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 |    |    |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |    |    |
| 2   | 110 | 106 | 102 | 100 | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 91  |    |    |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 87  |    |    |
| 4   | 102 | 96  | 91  | 88  | 100 | 95  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 83  |    |    |
| 5   | 98  | 91  | 87  | 83  | 97  | 90  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 79  |    |    |
| 6   | 95  | 87  | 83  | 79  | 93  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 77  | 76  |    |    |
| 7   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 78  | 75  | 80  | 77  | 75  | 73  |    |    |
| 8   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 71  |    |    |
| 9   | 85  | 78  | 73  | 70  | 85  | 77  | 73  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 75  | 72  | 69  | 68  |    |    |
| 10  | 83  | 75  | 71  | 68  | 82  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 70  | 67  | 73  | 69  | 67  | 66  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 148497 |
| 5°  | 134977 |
| 10° | 99753  |
| 15° | 61703  |
| 20° | 35236  |
| 25° | 20130  |
| 30° | 11293  |
| 35° | 6130   |
| 40° | 3349   |
| 45° | 1861   |
| 50° | 1092   |
| 55° | 803    |
| 60° | 746    |
| 65° | 675    |
| 70° | 577    |
| 75° | 593    |
| 80° | 505    |
| 85° | 503    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 1861 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.1   | 27.5      |
| 10°-20°   | 75.8   | 39.3      |
| 20°-30°   | 39.6   | 20.5      |
| 30°-40°   | 15.3   | 7.9       |
| 40°-50°   | 5.0    | 2.6       |
| 50°-60°   | 2.0    | 1.0       |
| 60°-70°   | 1.3    | 0.7       |
| 70°-80°   | 0.8    | 0.4       |
| 80°-90°   | 0.3    | 0.1       |
| 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°    | 168.5  | 87.3      |
| 0°-40°    | 183.8  | 95.2      |
| 0°-60°    | 190.7  | 98.8      |
| 0°-90°    | 193.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 193.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 677 |      |
| 5°  | 613 | 53   |
| 15° | 272 | 76   |
| 25° | 83  | 40   |
| 35° | 23  | 15   |
| 45° | 6   | 5    |
| 55° | 2   | 2    |
| 65° | 1   | 1    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 677.2 |
| 1°    | 675.9 |
| 2°    | 667.9 |
| 3°    | 655.5 |
| 4°    | 636.5 |
| 5°    | 613.2 |
| 6°    | 585.6 |
| 7°    | 555.1 |
| 8°    | 519.6 |
| 9°    | 485.1 |
| 10°   | 448.0 |
| 12.5° | 356.1 |
| 15°   | 271.8 |
| 17.5° | 203.4 |
| 20°   | 151.0 |
| 22.5° | 111.9 |
| 25°   | 83.2  |
| 27.5° | 61.3  |
| 30°   | 44.6  |
| 32.5° | 32.3  |
| 35°   | 22.9  |
| 37.5° | 16.6  |
| 40°   | 11.7  |
| 42.5° | 8.4   |
| 45°   | 6.0   |
| 47.5° | 4.3   |
| 50°   | 3.2   |
| 52.5° | 2.4   |
| 55°   | 2.1   |
| 57.5° | 1.9   |
| 60°   | 1.7   |
| 62.5° | 1.5   |
| 65°   | 1.3   |
| 67.5° | 1.1   |
| 70°   | 0.9   |
| 72.5° | 0.9   |
| 75°   | 0.7   |
| 77.5° | 0.6   |
| 80°   | 0.4   |
| 82.5° | 0.4   |
| 85°   | 0.2   |
| 87.5° | 0.2   |
| 90°   | 0.0   |

(END OF REPORT)