

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: P1274664

Luminaire Tested: P3AS20R209830D010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1274664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R209830D010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

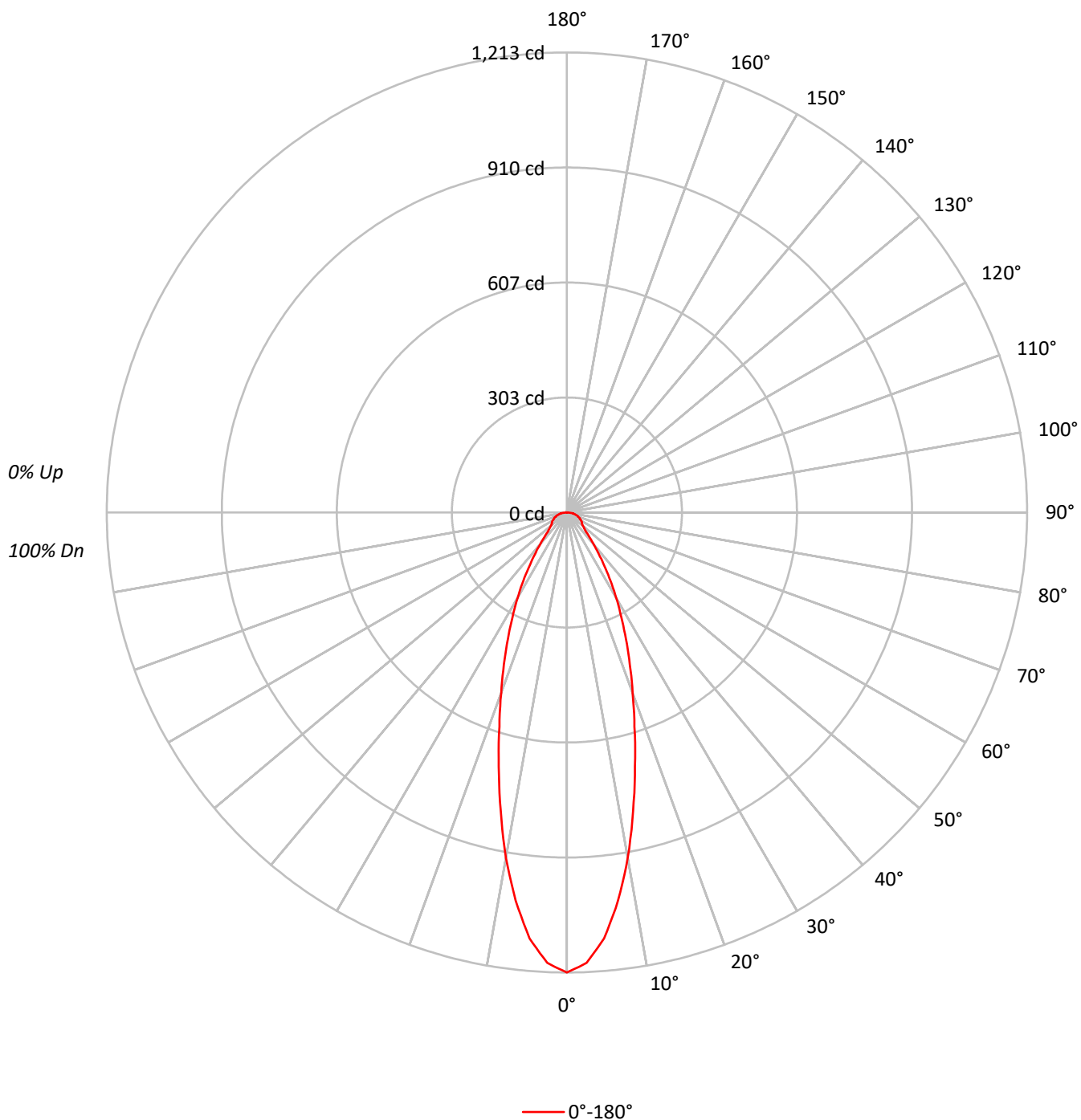
Lumens per Lamp: N/A  
Luminaire Lumens: 747.9 lumens  
Efficiency: N/A  
Efficacy: 27.3 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  |
| 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   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  |  | 98  | 96  | 95  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  |  | 91  | 88  | 85  |  | 88  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 74  | 71  |  | 77  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  |  | 74  | 69  | 66  |  | 72  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 66  | 61  |  | 70  | 65  | 61  |  | 68  |
| 7   | 79  | 69  | 63  | 58  | 78  | 68  | 62  | 58  | 67  | 62  | 57  |  | 66  | 61  | 57  |  | 65  |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 64  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  |  | 59  | 54  | 51  |  | 58  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 265987 |
| 5°  | 248117 |
| 10° | 205875 |
| 15° | 157436 |
| 20° | 118170 |
| 25° | 88965  |
| 30° | 65782  |
| 35° | 45963  |
| 40° | 31516  |
| 45° | 21832  |
| 50° | 18763  |
| 55° | 18504  |
| 60° | 19297  |
| 65° | 19405  |
| 70° | 19747  |
| 75° | 20503  |
| 80° | 22225  |
| 85° | 22140  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 25872 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.0  | 13.5      |
| 10°-20°   | 192.8  | 25.8      |
| 20°-30°   | 169.6  | 22.7      |
| 30°-40°   | 109.5  | 14.6      |
| 40°-50°   | 58.0   | 7.8       |
| 50°-60°   | 43.6   | 5.8       |
| 60°-70°   | 37.1   | 5.0       |
| 70°-80°   | 26.1   | 3.5       |
| 80°-90°   | 10.2   | 1.4       |
| 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°    | 463.5  | 62.0      |
| 0°-40°    | 572.9  | 76.6      |
| 0°-60°    | 674.5  | 90.2      |
| 0°-90°    | 747.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 747.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1213 |      |
| 5°  | 1127 | 101  |
| 15° | 694  | 193  |
| 25° | 368  | 170  |
| 35° | 172  | 109  |
| 45° | 70   | 58   |
| 55° | 48   | 44   |
| 65° | 37   | 37   |
| 75° | 24   | 26   |
| 85° | 9    | 10   |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1213.0 |
| 2.5°  | 1188.8 |
| 5°    | 1127.2 |
| 7.5°  | 1032.5 |
| 10°   | 924.6  |
| 12.5° | 805.8  |
| 15°   | 693.5  |
| 17.5° | 592.2  |
| 20°   | 506.4  |
| 22.5° | 433.7  |
| 25°   | 367.7  |
| 27.5° | 310.4  |
| 30°   | 259.8  |
| 32.5° | 213.5  |
| 35°   | 171.7  |
| 37.5° | 138.7  |
| 40°   | 110.1  |
| 42.5° | 88.1   |
| 45°   | 70.4   |
| 47.5° | 61.6   |
| 50°   | 55.0   |
| 52.5° | 50.6   |
| 55°   | 48.4   |
| 57.5° | 46.2   |
| 60°   | 44.0   |
| 62.5° | 39.6   |
| 65°   | 37.4   |
| 67.5° | 35.2   |
| 70°   | 30.8   |
| 72.5° | 28.6   |
| 75°   | 24.2   |
| 77.5° | 22.0   |
| 80°   | 17.6   |
| 82.5° | 15.4   |
| 85°   | 8.8    |
| 87.5° | 4.4    |
| 90°   | 0.0    |

(END OF REPORT)