

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: P1245645

Luminaire Tested: P3A02R209024DE010 E3PHLP1MW

Issue Date: 1/29/2026

**Test Information**

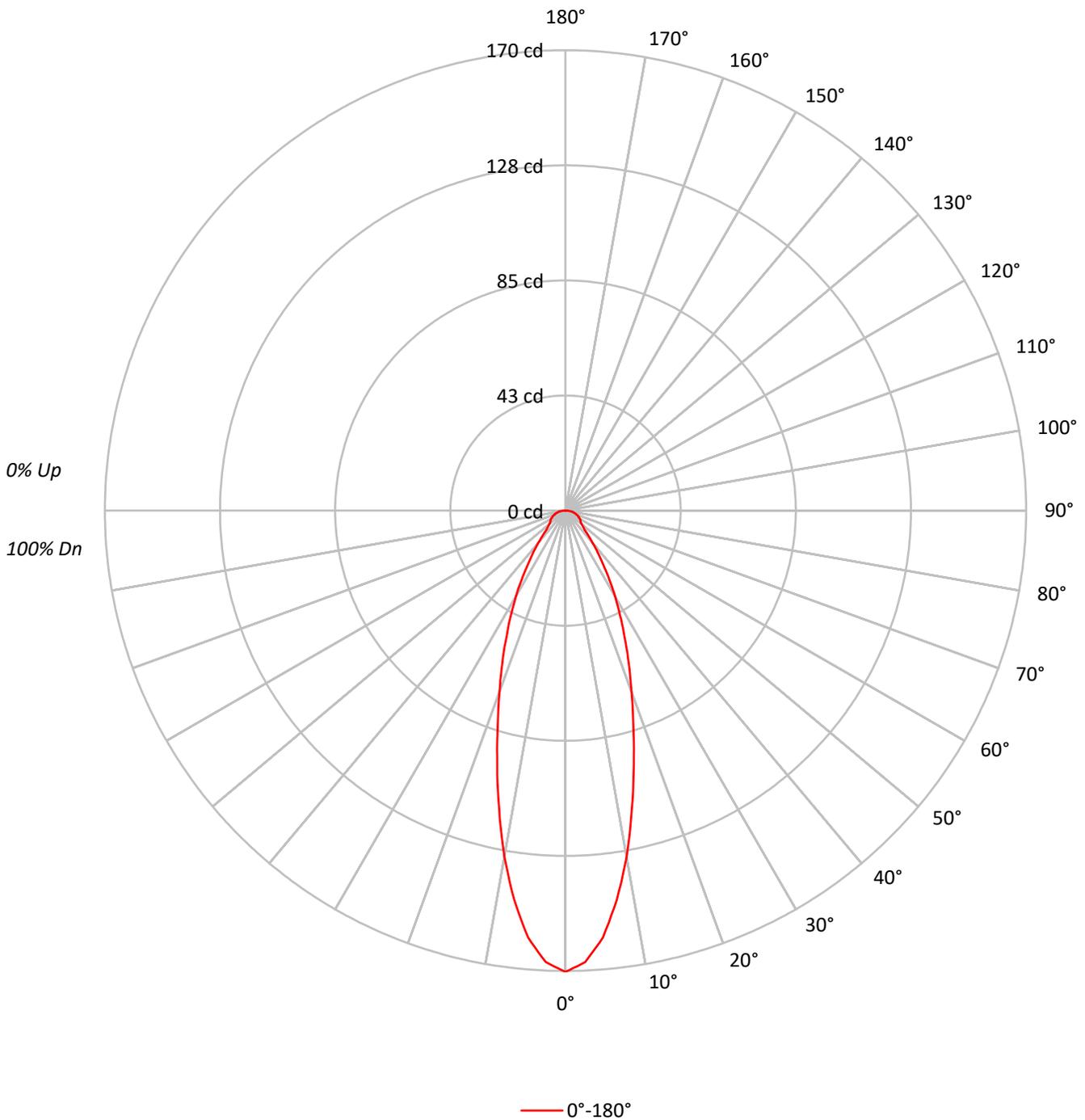
Test Method: LM-79-2019  
Report Number: P1245645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A02R209024DE010 E3PHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 105.0 lumens  
Efficiency: N/A  
Efficacy: 29.2 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): 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  |     |    |    | 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  | 50  | 30 | 10 | 0  |     |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    | 100 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |    | 90  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 85  | 83  | 81  |    |    |    | 81  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |    | 74  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 73  | 81  | 76  | 72  | 79  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |    | 68  |
| 5   | 88  | 79  | 72  | 67  | 86  | 78  | 71  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |    | 63  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 61  | 59  |    |    |    | 59  |
| 7   | 79  | 69  | 63  | 58  | 78  | 68  | 62  | 58  | 67  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |    | 55  |
| 8   | 76  | 65  | 59  | 54  | 74  | 65  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 53  | 52  |    |    |    | 52  |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 58  | 54  | 50  | 49  |    |    |    | 49  |
| 10  | 69  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 52  | 48  | 56  | 51  | 48  | 46  |    |    |    | 46  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 37343 |
| 5°  | 34823 |
| 10° | 28902 |
| 15° | 22089 |
| 20° | 16591 |
| 25° | 12485 |
| 30° | 9242  |
| 35° | 6451  |
| 40° | 4437  |
| 45° | 3070  |
| 50° | 2627  |
| 55° | 2600  |
| 60° | 2719  |
| 65° | 2750  |
| 70° | 2757  |
| 75° | 2881  |
| 80° | 3157  |
| 85° | 3019  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 3696 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.2   | 13.5      |
| 10°-20°   | 27.1   | 25.8      |
| 20°-30°   | 23.8   | 22.7      |
| 30°-40°   | 15.4   | 14.6      |
| 40°-50°   | 8.2    | 7.8       |
| 50°-60°   | 6.1    | 5.8       |
| 60°-70°   | 5.2    | 5.0       |
| 70°-80°   | 3.7    | 3.5       |
| 80°-90°   | 1.4    | 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       |
| 0°-30°    | 65.1   | 61.9      |
| 0°-40°    | 80.4   | 76.6      |
| 0°-60°    | 94.7   | 90.2      |
| 0°-90°    | 105.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 105.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 170 |      |
| 5°  | 158 | 14   |
| 15° | 97  | 27   |
| 25° | 52  | 24   |
| 35° | 24  | 15   |
| 45° | 10  | 8    |
| 55° | 7   | 6    |
| 65° | 5   | 5    |
| 75° | 3   | 4    |
| 85° | 1   | 1    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 170.3 |
| 2.5°  | 166.9 |
| 5°    | 158.2 |
| 7.5°  | 144.9 |
| 10°   | 129.8 |
| 12.5° | 113.1 |
| 15°   | 97.3  |
| 17.5° | 83.1  |
| 20°   | 71.1  |
| 22.5° | 60.9  |
| 25°   | 51.6  |
| 27.5° | 43.6  |
| 30°   | 36.5  |
| 32.5° | 30.0  |
| 35°   | 24.1  |
| 37.5° | 19.5  |
| 40°   | 15.5  |
| 42.5° | 12.4  |
| 45°   | 9.9   |
| 47.5° | 8.7   |
| 50°   | 7.7   |
| 52.5° | 7.1   |
| 55°   | 6.8   |
| 57.5° | 6.5   |
| 60°   | 6.2   |
| 62.5° | 5.6   |
| 65°   | 5.3   |
| 67.5° | 4.9   |
| 70°   | 4.3   |
| 72.5° | 4.0   |
| 75°   | 3.4   |
| 77.5° | 3.1   |
| 80°   | 2.5   |
| 82.5° | 2.2   |
| 85°   | 1.2   |
| 87.5° | 0.6   |
| 90°   | 0.0   |

(END OF REPORT)