

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: P1270498

Luminaire Tested: P3A20R259740D010 E3CB1MB

Issue Date: 1/30/2026

**Test Information**

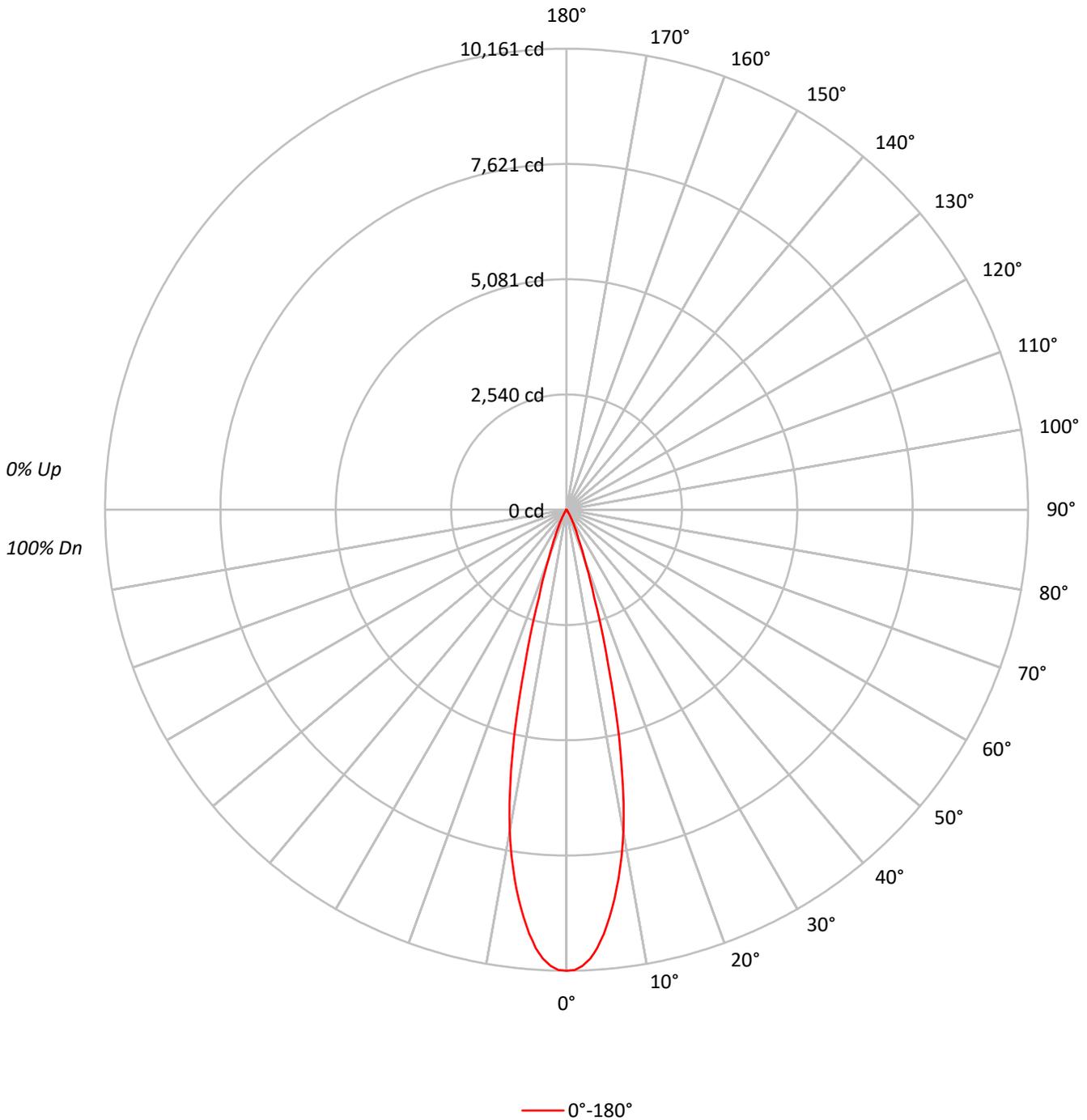
Test Method: LM-79-2019  
Report Number: P1270498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A20R259740D010 E3CB1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3CB1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2084.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
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  |     |    | 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 | 99 | 99 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 | 97  |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 96  | 96 | 96 | 94  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 | 92  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 | 89  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87 | 87 | 87  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85 | 85 | 85  |
| 7   | 97  | 91  | 88  | 85  | 96  | 91  | 87  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 83  | 83 | 83 | 83  |
| 8   | 95  | 89  | 85  | 83  | 94  | 89  | 85  | 82  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 81  | 81 | 81 | 81  |
| 9   | 93  | 87  | 83  | 80  | 92  | 86  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 79 | 79 | 79  |
| 10  | 91  | 85  | 81  | 78  | 90  | 84  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 77 | 77 | 77  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2228089 |
| 5°  | 2066493 |
| 10° | 1602620 |
| 15° | 803591  |
| 20° | 264016  |
| 25° | 104982  |
| 30° | 39373   |
| 35° | 11404   |
| 40° | 5153    |
| 45° | 2016    |
| 50° | 1672    |
| 55° | 1262    |
| 60° | 1447    |
| 65° | 1712    |
| 70° | 1026    |
| 75° | 1356    |
| 80° | 2020    |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 2020 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 825.8  | 39.6      |
| 10°-20°   | 985.2  | 47.3      |
| 20°-30°   | 222.1  | 10.7      |
| 30°-40°   | 36.0   | 1.7       |
| 40°-50°   | 6.5    | 0.3       |
| 50°-60°   | 3.5    | 0.2       |
| 60°-70°   | 3.1    | 0.1       |
| 70°-80°   | 1.7    | 0.1       |
| 80°-90°   | 0.2    | 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       |
| 0°-30°    | 2033.0 | 97.6      |
| 0°-40°    | 2069.0 | 99.3      |
| 0°-60°    | 2079.0 | 99.8      |
| 0°-90°    | 2084.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2084.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10161 |      |
| 5°  | 9388  | 826  |
| 15° | 3540  | 985  |
| 25° | 434   | 222  |
| 35° | 43    | 36   |
| 45° | 6     | 7    |
| 55° | 3     | 3    |
| 65° | 3     | 3    |
| 75° | 2     | 2    |
| 85° | 0     | 0    |
| 90° | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 10160.9 |
| 1°    | 10144.6 |
| 2°    | 10062.7 |
| 3°    | 9912.1  |
| 4°    | 9684.5  |
| 5°    | 9388.1  |
| 6°    | 9034.5  |
| 7°    | 8651.4  |
| 8°    | 8212.6  |
| 9°    | 7732.9  |
| 10°   | 7197.5  |
| 11°   | 6580.2  |
| 12°   | 5869.6  |
| 13°   | 5126.3  |
| 14°   | 4329.0  |
| 15°   | 3539.8  |
| 17.5° | 2017.1  |
| 20°   | 1131.4  |
| 22.5° | 682.7   |
| 25°   | 433.9   |
| 27.5° | 266.9   |
| 30°   | 155.5   |
| 32.5° | 81.9    |
| 35°   | 42.6    |
| 37.5° | 27.8    |
| 40°   | 18.0    |
| 42.5° | 11.5    |
| 45°   | 6.5     |
| 47.5° | 4.9     |
| 50°   | 4.9     |
| 52.5° | 4.9     |
| 55°   | 3.3     |
| 57.5° | 3.3     |
| 60°   | 3.3     |
| 62.5° | 3.3     |
| 65°   | 3.3     |
| 67.5° | 3.3     |
| 70°   | 1.6     |
| 72.5° | 1.6     |
| 75°   | 1.6     |
| 77.5° | 1.6     |
| 80°   | 1.6     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)