

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: P1295807

Luminaire Tested: P3A13R20W2N902765DE010 E3CD1MB\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1295807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902765DE010 E3CD1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

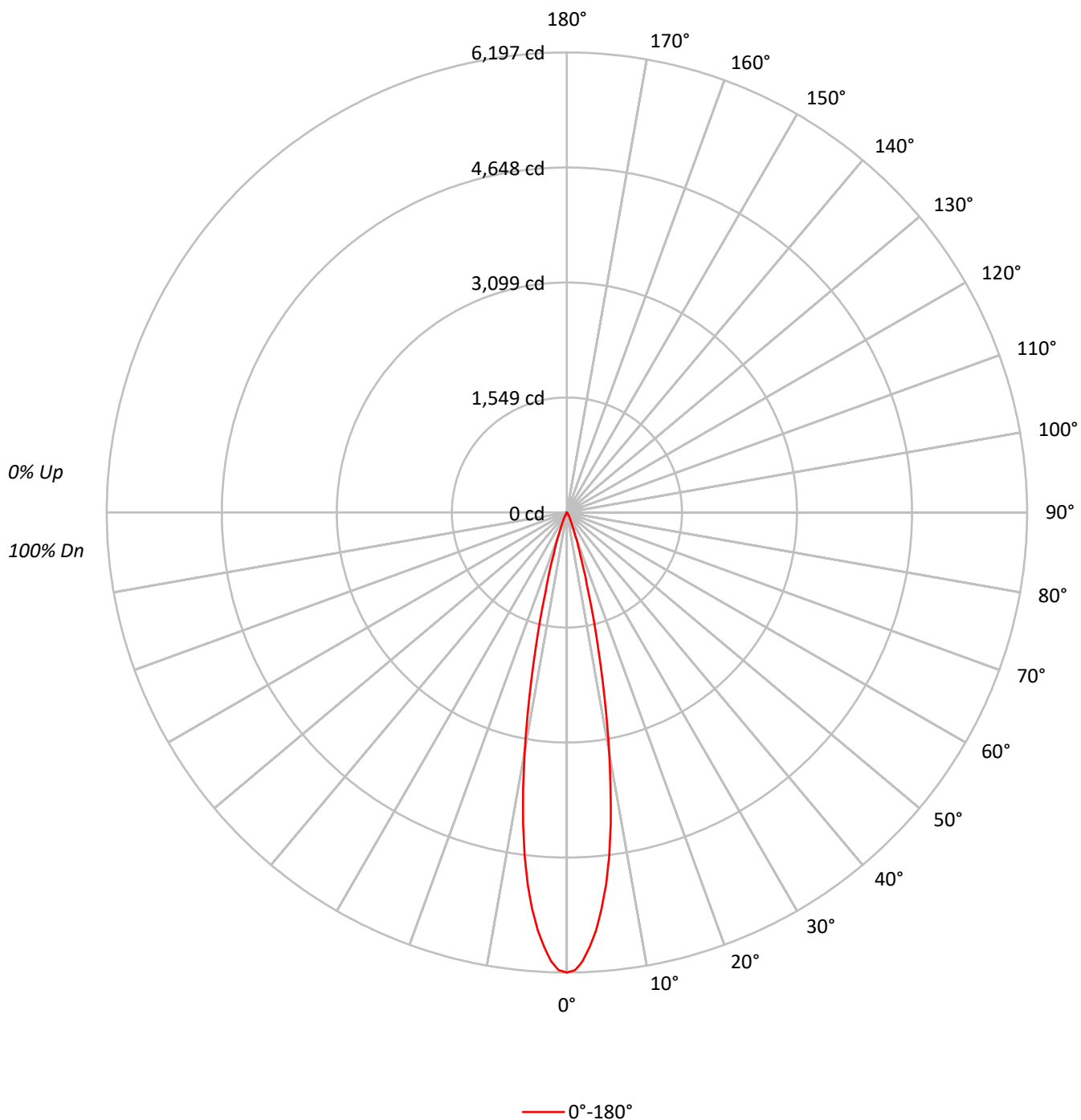
Lumens per Lamp: N/A  
Luminaire Lumens: 875.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  |  |  |
| 2   | 112 | 109 | 107 | 104 | 110 | 108 | 105 | 103 | 104 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 95  |  |  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  | 99  | 98  | 96  | 97  | 96  | 95  | 93  |  |  |
| 4   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 99  | 97  | 95  | 97  | 95  | 93  | 96  | 94  | 92  | 91  |  |  |
| 5   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 91  | 90  |  |  |
| 6   | 102 | 97  | 93  | 91  | 101 | 96  | 93  | 90  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 90  | 89  | 88  |  |  |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 91  | 88  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 86  |  |  |
| 8   | 98  | 92  | 89  | 86  | 97  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 88  | 86  | 89  | 87  | 85  | 85  |  |  |
| 9   | 96  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |  |  |
| 10  | 94  | 89  | 85  | 83  | 93  | 88  | 85  | 83  | 88  | 85  | 83  | 87  | 84  | 83  | 86  | 84  | 82  | 82  |  |  |

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

|     | 0°      |
|-----|---------|
| 0°  | 1358970 |
| 5°  | 1179548 |
| 10° | 728822  |
| 15° | 253146  |
| 20° | 77730   |
| 25° | 27485   |
| 30° | 10179   |
| 35° | 4069    |
| 40° | 2176    |
| 45° | 868     |
| 50° | 478     |
| 55° | 535     |
| 60° | 614     |
| 65° | 363     |
| 70° | 449     |
| 75° | 593     |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 868 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 444.7  | 50.8      |
| 10°-20°   | 352.9  | 40.3      |
| 20°-30°   | 61.1   | 7.0       |
| 30°-40°   | 11.1   | 1.3       |
| 40°-50°   | 2.5    | 0.3       |
| 50°-60°   | 1.3    | 0.1       |
| 60°-70°   | 0.8    | 0.1       |
| 70°-80°   | 0.6    | 0.1       |
| 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°    | 858.7  | 98.1      |
| 0°-40°    | 869.8  | 99.4      |
| 0°-60°    | 873.6  | 99.8      |
| 0°-90°    | 875.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 875.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6197 |      |
| 5°  | 5359 | 445  |
| 15° | 1115 | 353  |
| 25° | 114  | 61   |
| 35° | 15   | 11   |
| 45° | 3    | 3    |
| 55° | 1    | 1    |
| 65° | 1    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 6197.4 |
| 1°    | 6167.6 |
| 2°    | 6049.9 |
| 3°    | 5860.8 |
| 4°    | 5639.2 |
| 5°    | 5358.7 |
| 6°    | 5037.3 |
| 7°    | 4663.3 |
| 8°    | 4237.4 |
| 9°    | 3758.8 |
| 10°   | 3273.2 |
| 12.5° | 2064.7 |
| 15°   | 1115.1 |
| 17.5° | 595.6  |
| 20°   | 333.1  |
| 22.5° | 190.5  |
| 25°   | 113.6  |
| 27.5° | 69.3   |
| 30°   | 40.2   |
| 32.5° | 23.5   |
| 35°   | 15.2   |
| 37.5° | 10.4   |
| 40°   | 7.6    |
| 42.5° | 4.8    |
| 45°   | 2.8    |
| 47.5° | 1.4    |
| 50°   | 1.4    |
| 52.5° | 1.4    |
| 55°   | 1.4    |
| 57.5° | 1.4    |
| 60°   | 1.4    |
| 62.5° | 0.7    |
| 65°   | 0.7    |
| 67.5° | 0.7    |
| 70°   | 0.7    |
| 72.5° | 0.7    |
| 75°   | 0.7    |
| 77.5° | 0.7    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)