

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: P1293924

Luminaire Tested: P3A09R50W2N902765DE010 E3CD1MB\_6500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1293924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R50W2N902765DE010 E3CD1MB\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 6500K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

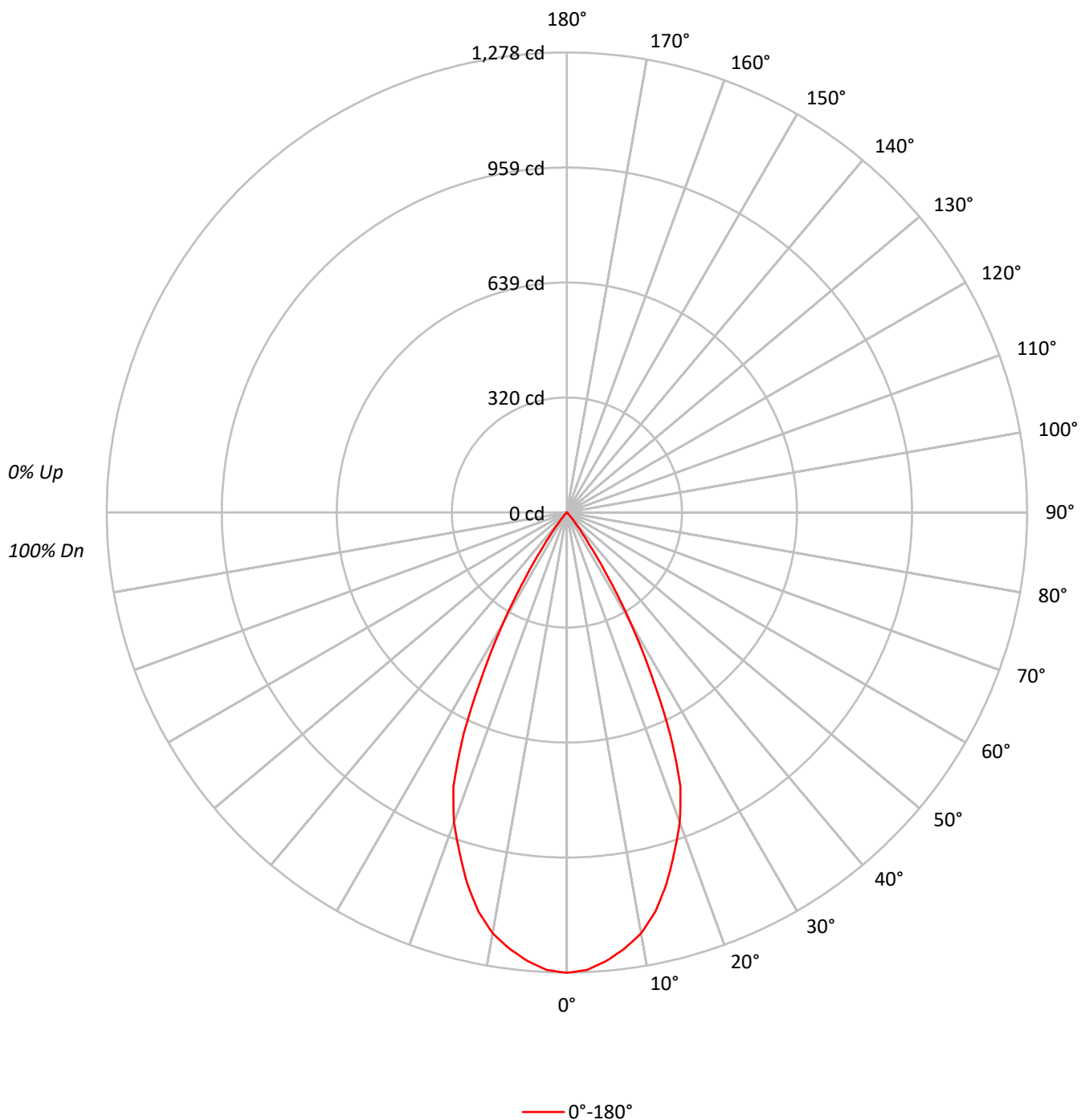
Lumens per Lamp: N/A  
Luminaire Lumens: 805.1 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 9  
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   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 96  | 95  |  |  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 90  |  |  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 85  |  |  |
| 4   | 100 | 94  | 89  | 85  | 99  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 87  | 84  | 82  | 80  |  |  |
| 5   | 96  | 89  | 84  | 80  | 94  | 88  | 83  | 79  | 86  | 82  | 79  | 84  | 81  | 78  | 83  | 80  | 77  | 76  |  |  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 72  |  |  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  |  |  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |  |  |
| 9   | 81  | 73  | 68  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  | 71  | 66  | 63  | 70  | 66  | 63  | 62  |  |  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  | 68  | 63  | 61  | 67  | 63  | 60  | 59  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 280350 |
| 5°  | 275346 |
| 10° | 264368 |
| 15° | 242430 |
| 20° | 213775 |
| 25° | 163848 |
| 30° | 89077  |
| 35° | 28670  |
| 40° | 6727   |
| 45° | 899    |
| 50° | 819    |
| 55° | 918    |
| 60° | 789    |
| 65° | 934    |
| 70° | 769    |
| 75° | 1017   |
| 80° | 758    |
| 85° | 1510   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $85^\circ$

Luminance: 1510 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 117.4  | 14.6      |
| 10°-20°   | 296.8  | 36.9      |
| 20°-30°   | 297.3  | 36.9      |
| 30°-40°   | 83.6   | 10.4      |
| 40°-50°   | 5.0    | 0.6       |
| 50°-60°   | 1.9    | 0.2       |
| 60°-70°   | 1.6    | 0.2       |
| 70°-80°   | 1.0    | 0.1       |
| 80°-90°   | 0.4    | 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°    | 711.5  | 88.4      |
| 0°-40°    | 795.1  | 98.8      |
| 0°-60°    | 802.1  | 99.6      |
| 0°-90°    | 805.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 805.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1278 |      |
| 5°  | 1251 | 117  |
| 15° | 1068 | 297  |
| 25° | 677  | 297  |
| 35° | 107  | 84   |
| 45° | 3    | 5    |
| 55° | 2    | 2    |
| 65° | 2    | 2    |
| 75° | 1    | 1    |
| 85° | 1    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1278.5 |
| 2.5°  | 1272.1 |
| 5°    | 1250.9 |
| 7.5°  | 1222.0 |
| 10°   | 1187.3 |
| 12.5° | 1135.0 |
| 15°   | 1067.9 |
| 17.5° | 990.8  |
| 20°   | 916.1  |
| 22.5° | 823.1  |
| 25°   | 677.2  |
| 27.5° | 504.2  |
| 30°   | 351.8  |
| 32.5° | 212.4  |
| 35°   | 107.1  |
| 37.5° | 50.6   |
| 40°   | 23.5   |
| 42.5° | 8.8    |
| 45°   | 2.9    |
| 47.5° | 2.4    |
| 50°   | 2.4    |
| 52.5° | 2.4    |
| 55°   | 2.4    |
| 57.5° | 1.8    |
| 60°   | 1.8    |
| 62.5° | 1.8    |
| 65°   | 1.8    |
| 67.5° | 1.2    |
| 70°   | 1.2    |
| 72.5° | 1.2    |
| 75°   | 1.2    |
| 77.5° | 0.6    |
| 80°   | 0.6    |
| 82.5° | 0.6    |
| 85°   | 0.6    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)