

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: P1294041

Luminaire Tested: P3A09R50W2N902765DE010 E3DLP1GPH\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1294041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A09R50W2N902765DE010 E3DLP1GPH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
E3DLP1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

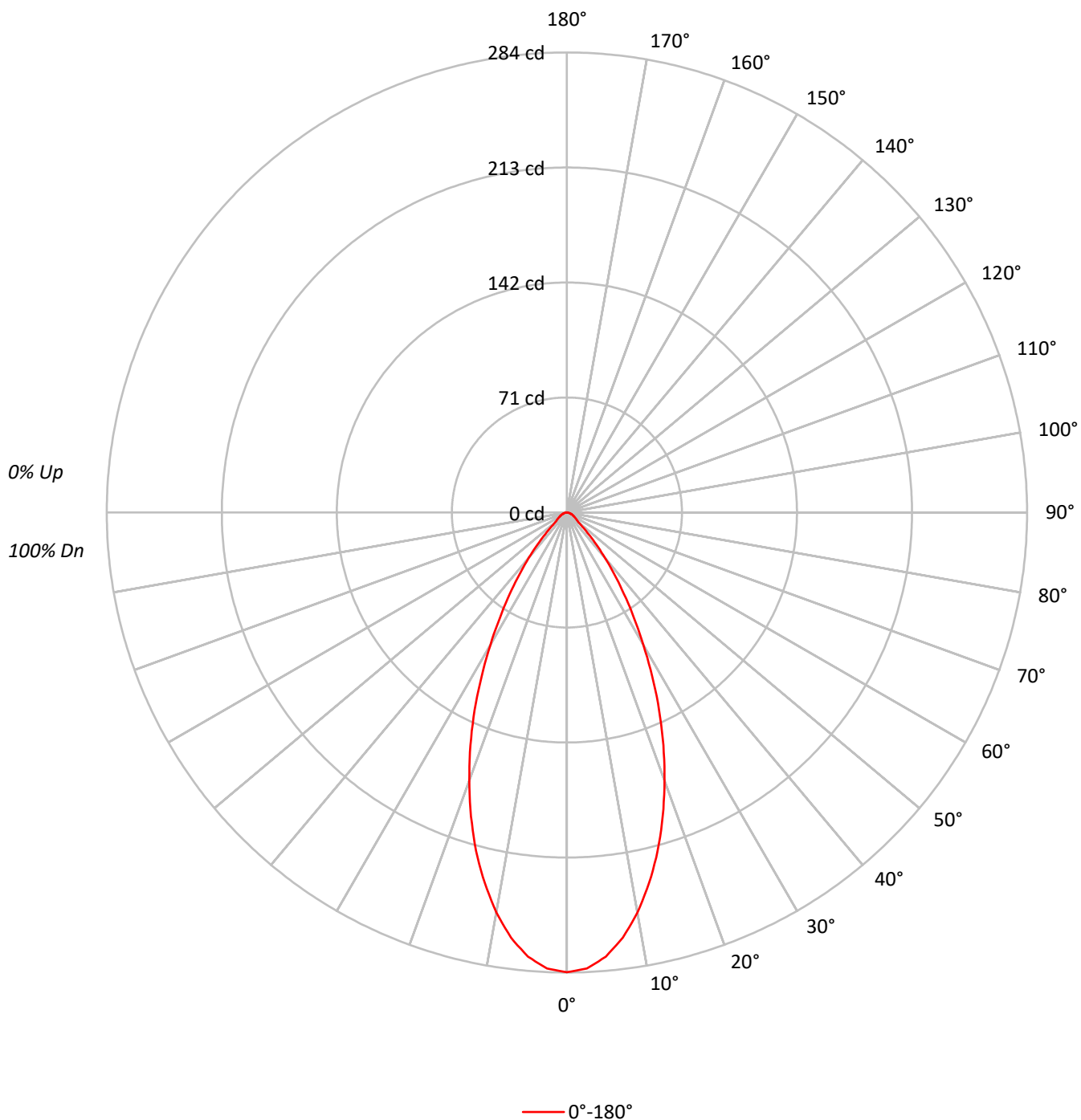
Lumens per Lamp: N/A  
Luminaire Lumens: 214.0 lumens  
Efficiency: N/A  
Efficacy: 23.8 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 95  | 94  | 93  |    |    |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |    |    |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 79  |    |    |
| 4   | 96  | 88  | 82  | 78  | 94  | 87  | 82  | 78  | 85  | 80  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 73  |    |    |
| 5   | 91  | 83  | 76  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 77  | 73  | 70  | 68  |    |    |
| 6   | 87  | 77  | 71  | 67  | 85  | 77  | 71  | 67  | 75  | 70  | 66  | 74  | 69  | 66  | 72  | 68  | 65  | 64  |    |    |
| 7   | 82  | 73  | 67  | 62  | 81  | 72  | 66  | 62  | 71  | 66  | 62  | 70  | 65  | 61  | 68  | 64  | 61  | 60  |    |    |
| 8   | 78  | 69  | 63  | 58  | 77  | 68  | 62  | 58  | 67  | 62  | 58  | 66  | 61  | 58  | 65  | 61  | 57  | 56  |    |    |
| 9   | 75  | 65  | 59  | 55  | 74  | 64  | 59  | 55  | 63  | 58  | 55  | 63  | 58  | 54  | 62  | 57  | 54  | 53  |    |    |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  | 59  | 55  | 51  | 59  | 54  | 51  | 50  |    |    |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 62232 |
| 5°  | 60577 |
| 10° | 55844 |
| 15° | 49126 |
| 20° | 41094 |
| 25° | 32591 |
| 30° | 23902 |
| 35° | 16436 |
| 40° | 10448 |
| 45° | 5830  |
| 50° | 3173  |
| 55° | 2676  |
| 60° | 2281  |
| 65° | 2127  |
| 70° | 1859  |
| 75° | 1694  |
| 80° | 1515  |
| 85° | 1510  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 5830 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.5   | 11.9      |
| 10°-20°   | 59.9   | 28.0      |
| 20°-30°   | 61.3   | 28.6      |
| 30°-40°   | 38.9   | 18.2      |
| 40°-50°   | 15.4   | 7.2       |
| 50°-60°   | 6.3    | 2.9       |
| 60°-70°   | 4.0    | 1.9       |
| 70°-80°   | 2.0    | 1.0       |
| 80°-90°   | 0.7    | 0.3       |
| 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°    | 146.7  | 68.6      |
| 0°-40°    | 185.6  | 86.7      |
| 0°-60°    | 207.3  | 96.9      |
| 0°-90°    | 214.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 214.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 284 |      |
| 5°  | 275 | 25   |
| 15° | 216 | 60   |
| 25° | 135 | 61   |
| 35° | 61  | 39   |
| 45° | 19  | 15   |
| 55° | 7   | 6    |
| 65° | 4   | 4    |
| 75° | 2   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 283.8 |
| 2.5°  | 281.8 |
| 5°    | 275.2 |
| 7.5°  | 264.7 |
| 10°   | 250.8 |
| 12.5° | 234.3 |
| 15°   | 216.4 |
| 17.5° | 196.7 |
| 20°   | 176.1 |
| 22.5° | 155.5 |
| 25°   | 134.7 |
| 27.5° | 113.8 |
| 30°   | 94.4  |
| 32.5° | 77.0  |
| 35°   | 61.4  |
| 37.5° | 48.1  |
| 40°   | 36.5  |
| 42.5° | 26.9  |
| 45°   | 18.8  |
| 47.5° | 12.7  |
| 50°   | 9.3   |
| 52.5° | 7.8   |
| 55°   | 7.0   |
| 57.5° | 6.1   |
| 60°   | 5.2   |
| 62.5° | 4.6   |
| 65°   | 4.1   |
| 67.5° | 3.5   |
| 70°   | 2.9   |
| 72.5° | 2.3   |
| 75°   | 2.0   |
| 77.5° | 1.4   |
| 80°   | 1.2   |
| 82.5° | 0.9   |
| 85°   | 0.6   |
| 87.5° | 0.3   |
| 90°   | 0.0   |

(END OF REPORT)