

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: P1297475

Luminaire Tested: P3A13R45W2N902765DE010 E3DL1WMH\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R45W2N902765DE010 E3DL1WMH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

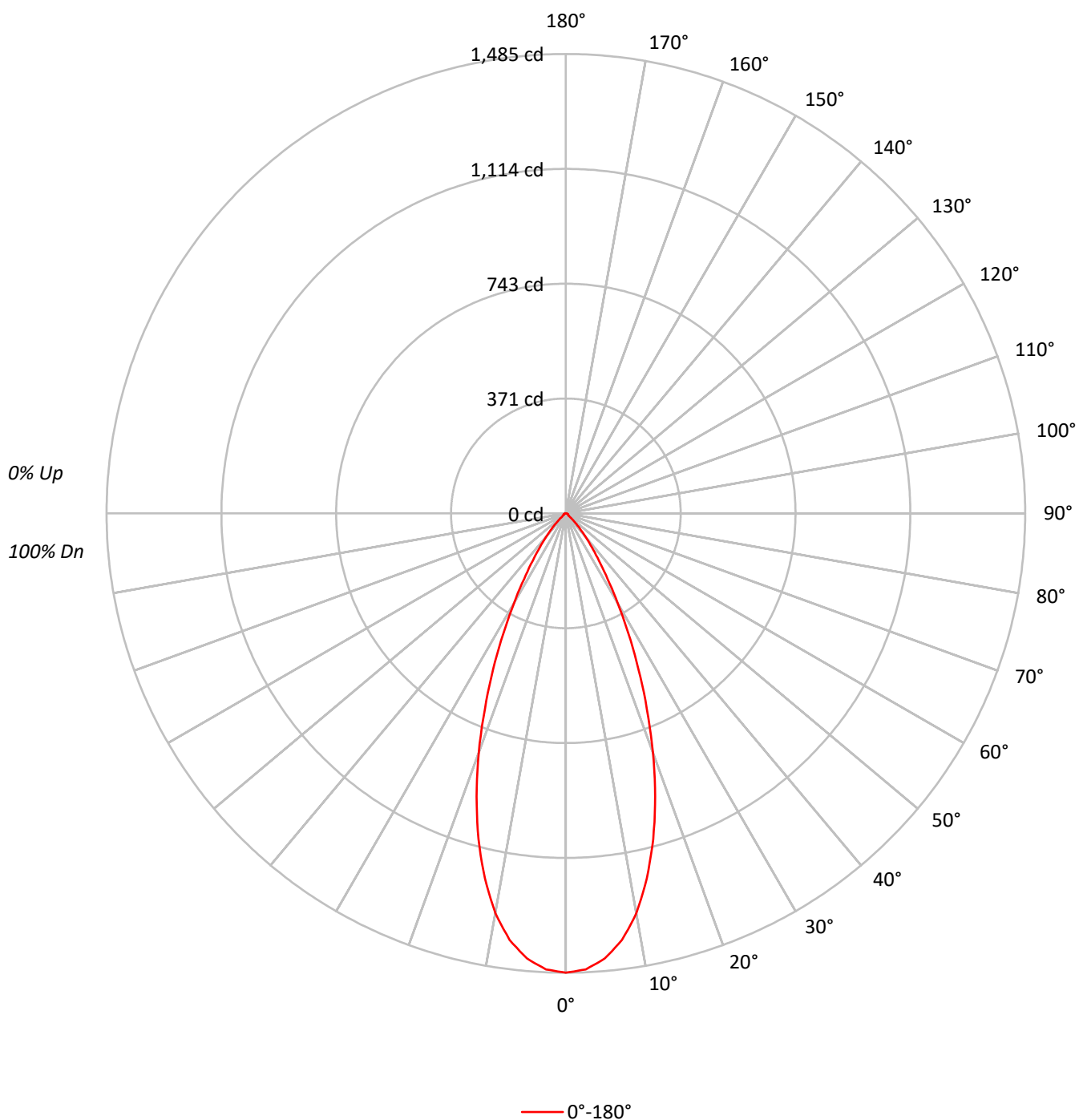
Lumens per Lamp: N/A  
Luminaire Lumens: 867.1 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |  |  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 91  | 90  | 88  |  |  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 86  | 84  | 83  |  |  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 85  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 78  |  |  |
| 5   | 94  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 82  | 79  | 76  | 81  | 78  | 75  | 74  |  |  |
| 6   | 90  | 82  | 76  | 73  | 89  | 81  | 76  | 72  | 80  | 75  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 70  |  |  |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  | 75  | 71  | 67  | 74  | 70  | 67  | 66  |  |  |
| 8   | 83  | 74  | 68  | 65  | 82  | 73  | 68  | 64  | 72  | 68  | 64  | 71  | 67  | 64  | 70  | 67  | 64  | 62  |  |  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 67  | 63  | 61  | 59  |  |  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 62  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 65  | 61  | 58  | 57  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 325588 |
| 5°  | 317961 |
| 10° | 292290 |
| 15° | 247652 |
| 20° | 192143 |
| 25° | 134330 |
| 30° | 84621  |
| 35° | 49818  |
| 40° | 28196  |
| 45° | 13707  |
| 50° | 4776   |
| 55° | 3861   |
| 60° | 3728   |
| 65° | 3632   |
| 70° | 3462   |
| 75° | 3304   |
| 80° | 2904   |
| 85° | 2013   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 13707 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 133.7  | 15.4      |
| 10°-20°   | 299.6  | 34.6      |
| 20°-30°   | 254.4  | 29.3      |
| 30°-40°   | 121.4  | 14.0      |
| 40°-50°   | 36.5   | 4.2       |
| 50°-60°   | 9.3    | 1.1       |
| 60°-70°   | 6.9    | 0.8       |
| 70°-80°   | 4.1    | 0.5       |
| 80°-90°   | 1.2    | 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°    | 687.7  | 79.3      |
| 0°-40°    | 809.0  | 93.3      |
| 0°-60°    | 854.9  | 98.6      |
| 0°-90°    | 867.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 867.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1485 |      |
| 5°  | 1444 | 134  |
| 15° | 1091 | 300  |
| 25° | 555  | 254  |
| 35° | 186  | 121  |
| 45° | 44   | 37   |
| 55° | 10   | 9    |
| 65° | 7    | 7    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1484.8 |
| 2.5°  | 1475.5 |
| 5°    | 1444.5 |
| 7.5°  | 1391.0 |
| 10°   | 1312.7 |
| 12.5° | 1208.8 |
| 15°   | 1090.9 |
| 17.5° | 959.9  |
| 20°   | 823.4  |
| 22.5° | 684.6  |
| 25°   | 555.2  |
| 27.5° | 437.3  |
| 30°   | 334.2  |
| 32.5° | 251.2  |
| 35°   | 186.1  |
| 37.5° | 137.2  |
| 40°   | 98.5   |
| 42.5° | 68.2   |
| 45°   | 44.2   |
| 47.5° | 24.8   |
| 50°   | 14.0   |
| 52.5° | 10.9   |
| 55°   | 10.1   |
| 57.5° | 9.3    |
| 60°   | 8.5    |
| 62.5° | 7.8    |
| 65°   | 7.0    |
| 67.5° | 6.2    |
| 70°   | 5.4    |
| 72.5° | 4.7    |
| 75°   | 3.9    |
| 77.5° | 3.1    |
| 80°   | 2.3    |
| 82.5° | 1.6    |
| 85°   | 0.8    |
| 87.5° | 0.8    |
| 90°   | 0.0    |

(END OF REPORT)