

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: P1297473

Luminaire Tested: P3A13R45W2N902765DE010 E3DL1WMH\_2700K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1297473  
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\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

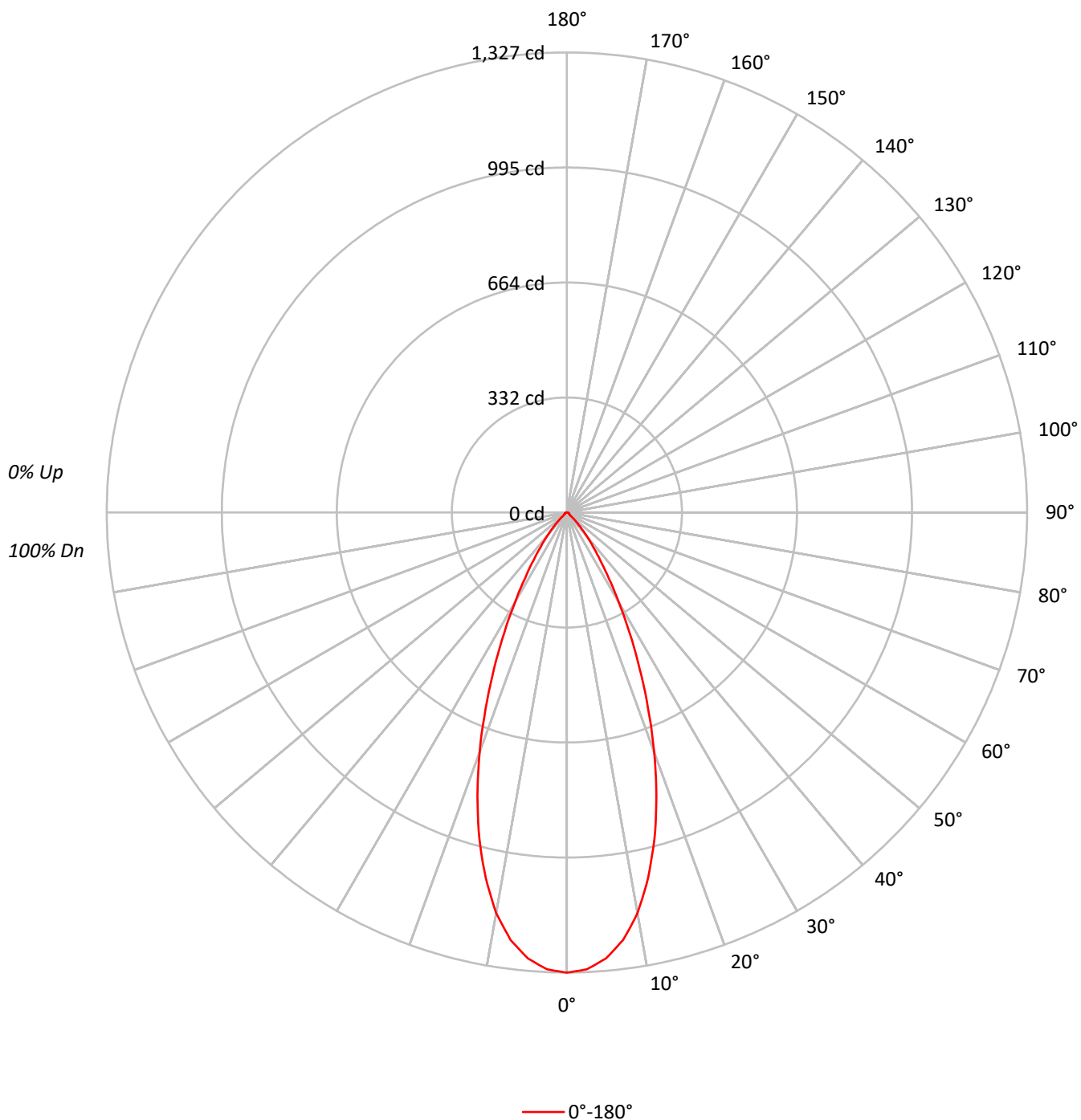
Lumens per Lamp: N/A  
Luminaire Lumens: 775.0 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |  | 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  |  | 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°  | 291029 |
| 5°  | 284217 |
| 10° | 261273 |
| 15° | 221386 |
| 20° | 171748 |
| 25° | 120055 |
| 30° | 75632  |
| 35° | 44517  |
| 40° | 25190  |
| 45° | 12249  |
| 50° | 4264   |
| 55° | 3441   |
| 60° | 3333   |
| 65° | 3217   |
| 70° | 3142   |
| 75° | 2965   |
| 80° | 2652   |
| 85° | 1761   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 12249 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 119.5  | 15.4      |
| 10°-20°   | 267.8  | 34.6      |
| 20°-30°   | 227.4  | 29.3      |
| 30°-40°   | 108.5  | 14.0      |
| 40°-50°   | 32.7   | 4.2       |
| 50°-60°   | 8.3    | 1.1       |
| 60°-70°   | 6.1    | 0.8       |
| 70°-80°   | 3.7    | 0.5       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 614.7  | 79.3      |
| 0°-40°    | 723.2  | 93.3      |
| 0°-60°    | 764.1  | 98.6      |
| 0°-90°    | 775.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 775.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1327 |      |
| 5°  | 1291 | 120  |
| 15° | 975  | 268  |
| 25° | 496  | 227  |
| 35° | 166  | 108  |
| 45° | 40   | 33   |
| 55° | 9    | 8    |
| 65° | 6    | 6    |
| 75° | 4    | 4    |
| 85° | 1    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1327.2 |
| 2.5°  | 1318.9 |
| 5°    | 1291.2 |
| 7.5°  | 1243.4 |
| 10°   | 1173.4 |
| 12.5° | 1080.5 |
| 15°   | 975.2  |
| 17.5° | 858.0  |
| 20°   | 736.0  |
| 22.5° | 612.0  |
| 25°   | 496.2  |
| 27.5° | 390.9  |
| 30°   | 298.7  |
| 32.5° | 224.6  |
| 35°   | 166.3  |
| 37.5° | 122.7  |
| 40°   | 88.0   |
| 42.5° | 61.0   |
| 45°   | 39.5   |
| 47.5° | 22.2   |
| 50°   | 12.5   |
| 52.5° | 9.7    |
| 55°   | 9.0    |
| 57.5° | 8.3    |
| 60°   | 7.6    |
| 62.5° | 6.9    |
| 65°   | 6.2    |
| 67.5° | 5.5    |
| 70°   | 4.9    |
| 72.5° | 4.2    |
| 75°   | 3.5    |
| 77.5° | 2.8    |
| 80°   | 2.1    |
| 82.5° | 1.4    |
| 85°   | 0.7    |
| 87.5° | 0.7    |
| 90°   | 0.0    |

(END OF REPORT)