

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: P1288437

Luminaire Tested: P3A05R25W2N902750DE010 E3DL1WMH\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1288437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R25W2N902750DE010 E3DL1WMH\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,  
E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

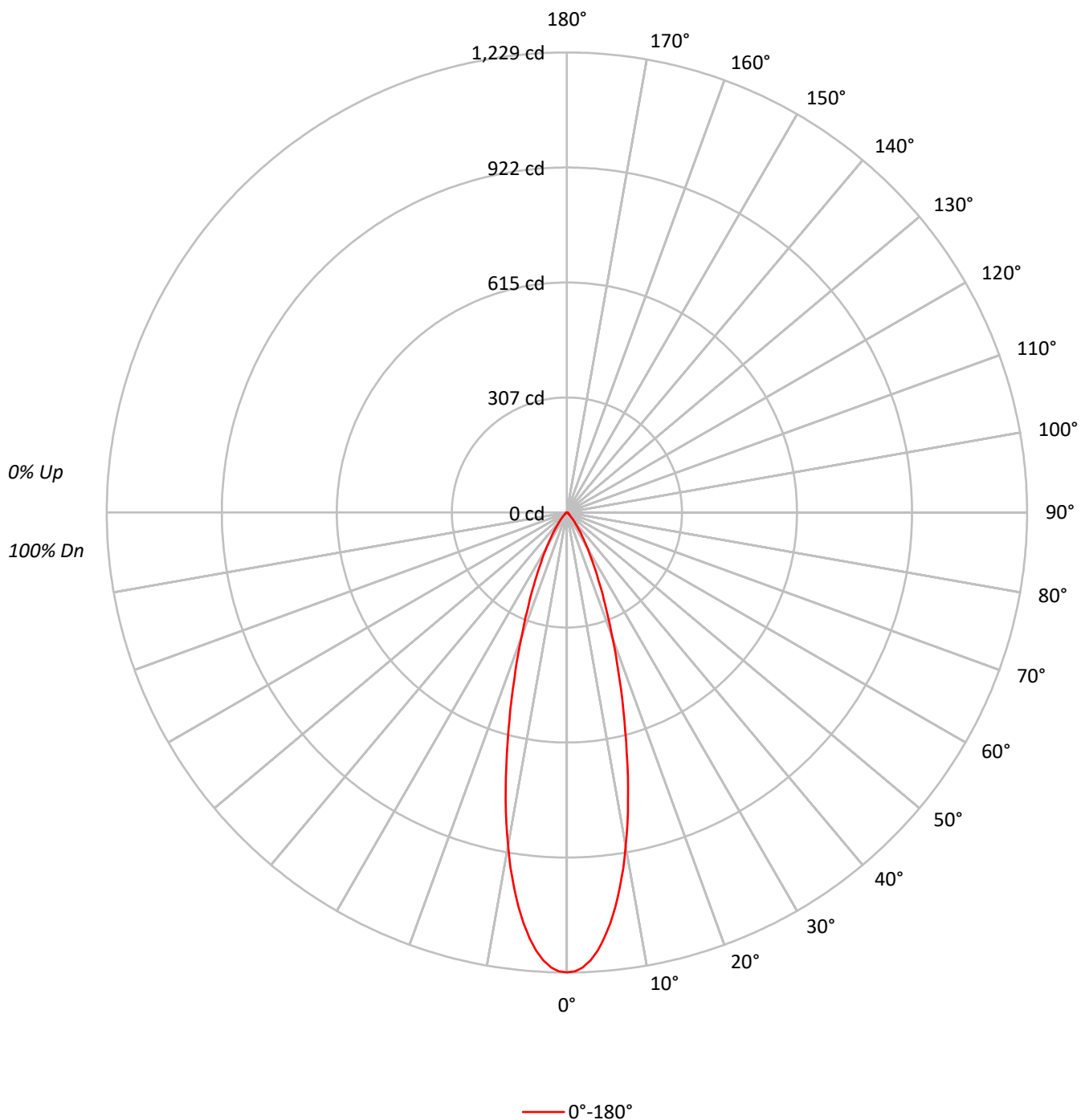
Lumens per Lamp: N/A  
Luminaire Lumens: 420.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 0.49 / 0.49 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |  |  |
| 2   | 110 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 93  | 92  | 90  |  |  |
| 3   | 105 | 100 | 96  | 92  | 103 | 98  | 95  | 91  | 96  | 93  | 90  | 94  | 91  | 89  | 91  | 89  | 87  | 86  |  |  |
| 4   | 101 | 95  | 90  | 87  | 99  | 94  | 89  | 86  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 82  |  |  |
| 5   | 97  | 90  | 85  | 82  | 96  | 89  | 85  | 81  | 88  | 84  | 81  | 86  | 83  | 80  | 85  | 82  | 79  | 78  |  |  |
| 6   | 94  | 86  | 81  | 78  | 92  | 86  | 81  | 78  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 78  | 76  | 75  |  |  |
| 7   | 90  | 83  | 78  | 74  | 89  | 82  | 77  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 72  |  |  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 69  |  |  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 67  | 66  |  |  |
| 10  | 81  | 73  | 69  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 64  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 269408 |
| 5°  | 251353 |
| 10° | 201355 |
| 15° | 136686 |
| 20° | 82701  |
| 25° | 48366  |
| 30° | 27549  |
| 35° | 15151  |
| 40° | 8044   |
| 45° | 4217   |
| 50° | 2456   |
| 55° | 1835   |
| 60° | 1579   |
| 65° | 1660   |
| 70° | 1539   |
| 75° | 1356   |
| 80° | 1010   |
| 85° | 1006   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 4217 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.3  | 24.1      |
| 10°-20°   | 165.5  | 39.4      |
| 20°-30°   | 94.6   | 22.5      |
| 30°-40°   | 37.3   | 8.9       |
| 40°-50°   | 11.4   | 2.7       |
| 50°-60°   | 4.5    | 1.1       |
| 60°-70°   | 3.0    | 0.7       |
| 70°-80°   | 1.7    | 0.4       |
| 80°-90°   | 0.5    | 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°    | 361.4  | 86.1      |
| 0°-40°    | 398.8  | 95.0      |
| 0°-60°    | 414.7  | 98.7      |
| 0°-90°    | 420.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 420.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1229 |      |
| 5°  | 1142 | 101  |
| 15° | 602  | 166  |
| 25° | 200  | 95   |
| 35° | 57   | 37   |
| 45° | 14   | 11   |
| 55° | 5    | 5    |
| 65° | 3    | 3    |
| 75° | 2    | 2    |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1228.6 |
| 1°    | 1226.2 |
| 2°    | 1216.2 |
| 3°    | 1198.5 |
| 4°    | 1174.0 |
| 5°    | 1141.9 |
| 6°    | 1104.2 |
| 7°    | 1061.7 |
| 8°    | 1012.3 |
| 9°    | 961.7  |
| 10°   | 904.3  |
| 11°   | 847.7  |
| 12°   | 785.5  |
| 13°   | 724.1  |
| 14°   | 661.1  |
| 15°   | 602.1  |
| 17.5° | 466.8  |
| 20°   | 354.4  |
| 22.5° | 266.1  |
| 25°   | 199.9  |
| 27.5° | 148.1  |
| 30°   | 108.8  |
| 32.5° | 78.7   |
| 35°   | 56.6   |
| 37.5° | 40.1   |
| 40°   | 28.1   |
| 42.5° | 19.3   |
| 45°   | 13.6   |
| 47.5° | 9.6    |
| 50°   | 7.2    |
| 52.5° | 5.6    |
| 55°   | 4.8    |
| 57.5° | 4.4    |
| 60°   | 3.6    |
| 62.5° | 3.2    |
| 65°   | 3.2    |
| 67.5° | 2.8    |
| 70°   | 2.4    |
| 72.5° | 2.0    |
| 75°   | 1.6    |
| 77.5° | 1.2    |
| 80°   | 0.8    |
| 82.5° | 0.8    |
| 85°   | 0.4    |
| 87.5° | 0.4    |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)