

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: P1302480

Luminaire Tested: P3AS17R65W2N902765DE010 E3CD1MW\_3500K

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1302480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS17R65W2N902765DE010 E3CD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 3500K CCT AND, 90CRI ,  
E3CD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1499.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 100 | 100 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  | 94  | 94  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 92  | 90  | 89  | 87  | 87  | 87  | 87  |
| 3   | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 87  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 81  | 81  | 81  | 81  |
| 4   | 97  | 90  | 84  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  | 75  | 75  | 75  |
| 5   | 93  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 82  | 77  | 73  | 80  | 76  | 73  | 78  | 75  | 72  | 70  | 70  | 70  | 70  |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 66  | 66  | 66  | 66  |
| 7   | 84  | 74  | 68  | 64  | 82  | 74  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  | 62  | 62  | 62  |
| 8   | 80  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 60  | 67  | 63  | 59  | 66  | 62  | 59  | 58  | 58  | 58  | 58  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 56  | 54  | 54  | 54  | 54  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 60  | 55  | 52  | 51  | 51  | 51  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 366330 |
| 5°  | 344771 |
| 10° | 340386 |
| 15° | 334395 |
| 20° | 315704 |
| 25° | 293025 |
| 30° | 227757 |
| 35° | 131758 |
| 40° | 53099  |
| 45° | 24437  |
| 50° | 9518   |
| 55° | 3708   |
| 60° | 3201   |
| 65° | 3165   |
| 70° | 3077   |
| 75° | 3050   |
| 80° | 3031   |
| 85° | 3019   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24437 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 148.9  | 9.9       |
| 10°-20°   | 411.3  | 27.4      |
| 20°-30°   | 538.4  | 35.9      |
| 30°-40°   | 311.9  | 20.8      |
| 40°-50°   | 66.7   | 4.5       |
| 50°-60°   | 10.9   | 0.7       |
| 60°-70°   | 6.0    | 0.4       |
| 70°-80°   | 3.5    | 0.2       |
| 80°-90°   | 1.3    | 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°    | 1098.7 | 73.3      |
| 0°-40°    | 1410.5 | 94.1      |
| 0°-60°    | 1488.2 | 99.3      |
| 0°-90°    | 1499.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1499.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1671 |      |
| 5°  | 1566 | 149  |
| 15° | 1473 | 411  |
| 25° | 1211 | 538  |
| 35° | 492  | 312  |
| 45° | 79   | 67   |
| 55° | 10   | 11   |
| 65° | 6    | 6    |
| 75° | 4    | 3    |
| 85° | 1    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1670.6 |
| 2.5°  | 1623.3 |
| 5°    | 1566.3 |
| 7.5°  | 1543.3 |
| 10°   | 1528.7 |
| 12.5° | 1508.1 |
| 15°   | 1473.0 |
| 17.5° | 1418.4 |
| 20°   | 1352.9 |
| 22.5° | 1291.1 |
| 25°   | 1211.1 |
| 27.5° | 1076.5 |
| 30°   | 899.5  |
| 32.5° | 697.1  |
| 35°   | 492.2  |
| 37.5° | 311.6  |
| 40°   | 185.5  |
| 42.5° | 116.4  |
| 45°   | 78.8   |
| 47.5° | 50.9   |
| 50°   | 27.9   |
| 52.5° | 13.3   |
| 55°   | 9.7    |
| 57.5° | 8.5    |
| 60°   | 7.3    |
| 62.5° | 7.3    |
| 65°   | 6.1    |
| 67.5° | 4.8    |
| 70°   | 4.8    |
| 72.5° | 3.6    |
| 75°   | 3.6    |
| 77.5° | 2.4    |
| 80°   | 2.4    |
| 82.5° | 1.2    |
| 85°   | 1.2    |
| 87.5° | 1.2    |
| 90°   | 0.0    |

(END OF REPORT)