

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: P1317217

Luminaire Tested: P3SQAS17R159830DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317217  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159830DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

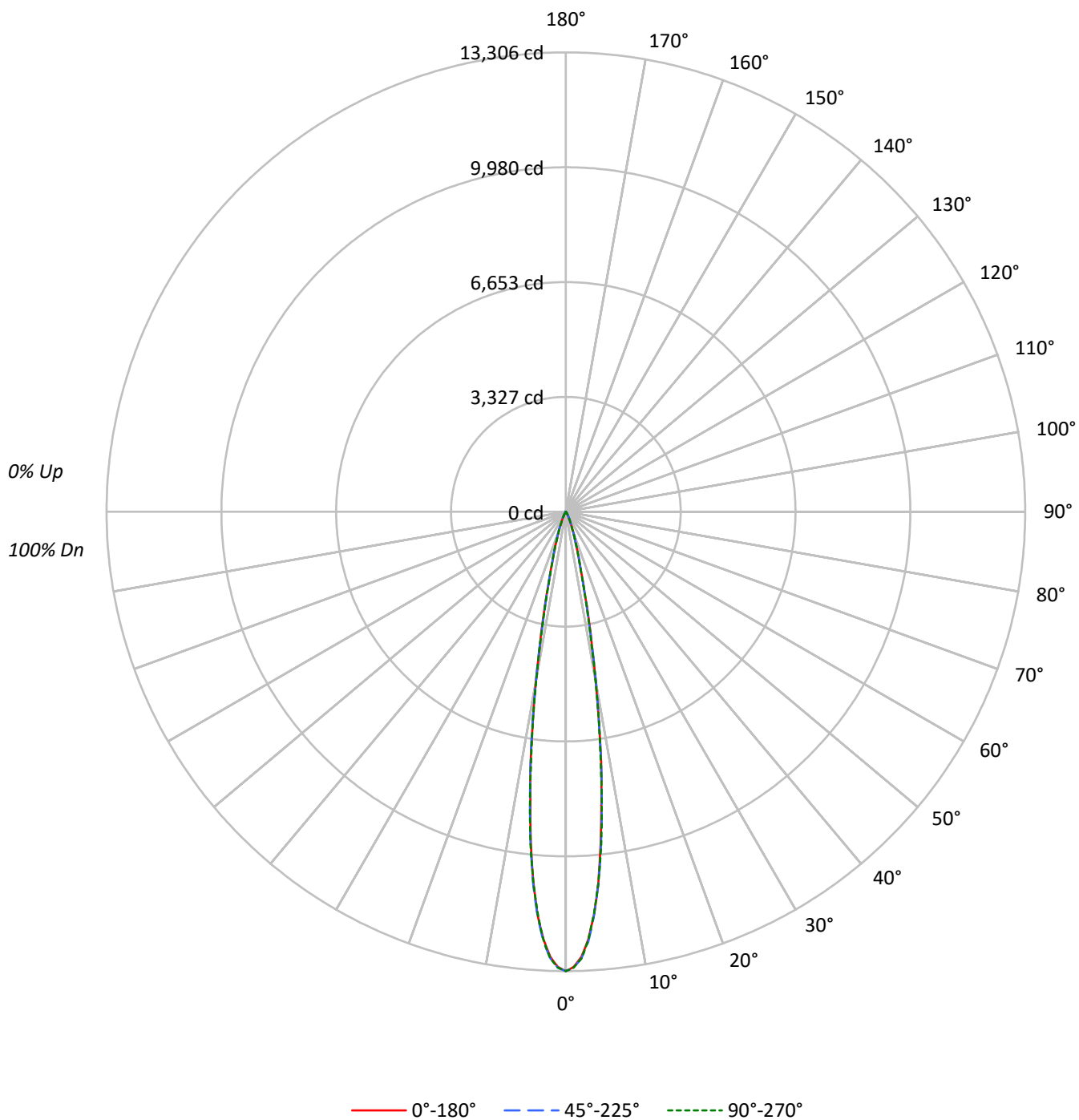
Lumens per Lamp: N/A  
Luminaire Lumens: 1485.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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  |
| 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 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2291508 | 2291508 | 2291508 |
| 5°  | 1865726 | 1871812 | 1868164 |
| 10° | 870323  | 878122  | 867035  |
| 15° | 273295  | 275595  | 273919  |
| 20° | 108279  | 112586  | 104834  |
| 25° | 43744   | 52903   | 42186   |
| 30° | 17520   | 24063   | 16585   |
| 35° | 5193    | 10617   | 4941    |
| 40° | 1574    | 3957    | 1326    |
| 45° | 292     | 852     | 292     |
| 50° | 0       | 322     | 0       |
| 55° | 0       | 0       | 0       |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 833.1  | 56.1      |
| 10°-20°   | 498.2  | 33.6      |
| 20°-30°   | 125.7  | 8.5       |
| 30°-40°   | 25.6   | 1.7       |
| 40°-50°   | 2.4    | 0.2       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1456.9 | 98.1      |
| 0°-40°    | 1482.6 | 99.8      |
| 0°-60°    | 1485.0 | 100.0     |
| 0°-90°    | 1485.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1485.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 13306 | 13306 | 13306 | 13306 | 13306 |      |
| 5°  | 10792 | 10772 | 10827 | 10800 | 10806 | 831  |
| 15° | 1533  | 1546  | 1546  | 1523  | 1536  | 498  |
| 25° | 230   | 251   | 278   | 247   | 222   | 118  |
| 35° | 25    | 33    | 50    | 32    | 24    | 20   |
| 45° | 1     | 2     | 4     | 2     | 1     | 1    |
| 55° | 0     | 0     | 0     | 0     | 0     | 0    |
| 65° | 0     | 0     | 0     | 0     | 0     | 0    |
| 75° | 0     | 0     | 0     | 0     | 0     | 0    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 13305.5 | 13305.5 | 13305.5 | 13305.5 | 13305.5 |
| 1°    | 13185.7 | 13230.4 | 13206.9 | 13225.7 | 13204.5 |
| 2°    | 12900.3 | 12960.2 | 12941.4 | 12935.6 | 12952.0 |
| 3°    | 12397.6 | 12466.9 | 12464.6 | 12446.9 | 12418.7 |
| 4°    | 11711.7 | 11683.5 | 11726.9 | 11722.2 | 11674.1 |
| 5°    | 10792.0 | 10772.0 | 10827.2 | 10800.2 | 10806.1 |
| 6°    | 9666.7  | 9753.6  | 9734.8  | 9737.2  | 9759.5  |
| 7°    | 8458.1  | 8505.1  | 8545.0  | 8577.9  | 8532.1  |
| 8°    | 7348.1  | 7336.4  | 7339.9  | 7377.5  | 7250.6  |
| 9°    | 6105.4  | 6178.2  | 6131.3  | 6056.1  | 6104.2  |
| 10°   | 4976.7  | 5021.3  | 5021.3  | 4955.5  | 4957.9  |
| 11°   | 3967.7  | 4004.1  | 3978.3  | 3994.7  | 3891.4  |
| 12°   | 3198.4  | 3107.9  | 3086.8  | 3103.2  | 3102.0  |
| 13°   | 2441.9  | 2447.8  | 2441.9  | 2440.8  | 2429.0  |
| 14°   | 1914.6  | 1945.1  | 1932.2  | 1900.5  | 1886.4  |
| 15°   | 1532.8  | 1545.7  | 1545.7  | 1523.4  | 1536.3  |
| 17.5° | 920.9   | 936.1   | 939.7   | 924.4   | 924.4   |
| 20°   | 590.8   | 597.9   | 614.3   | 592.0   | 572.0   |
| 22.5° | 364.1   | 379.4   | 407.6   | 374.7   | 358.2   |
| 25°   | 230.2   | 251.4   | 278.4   | 246.7   | 222.0   |
| 27.5° | 144.5   | 162.1   | 185.6   | 155.0   | 139.8   |
| 30°   | 88.1    | 99.8    | 121.0   | 97.5    | 83.4    |
| 32.5° | 49.3    | 58.7    | 76.3    | 56.4    | 47.0    |
| 35°   | 24.7    | 32.9    | 50.5    | 31.7    | 23.5    |
| 37.5° | 14.1    | 17.6    | 31.7    | 15.3    | 12.9    |
| 40°   | 7.0     | 9.4     | 17.6    | 9.4     | 5.9     |
| 42.5° | 2.3     | 4.7     | 7.0     | 4.7     | 2.3     |
| 45°   | 1.2     | 2.3     | 3.5     | 2.3     | 1.2     |
| 47.5° | 0.0     | 0.0     | 1.2     | 0.0     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.2     | 0.0     | 0.0     |
| 52.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 55°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 57.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 60°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 62.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 65°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 67.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 70°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 72.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)