

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: P1306810

Luminaire Tested: P3SQAS09R709027DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R709027DE010 E3SQCLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLDWW1MW TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

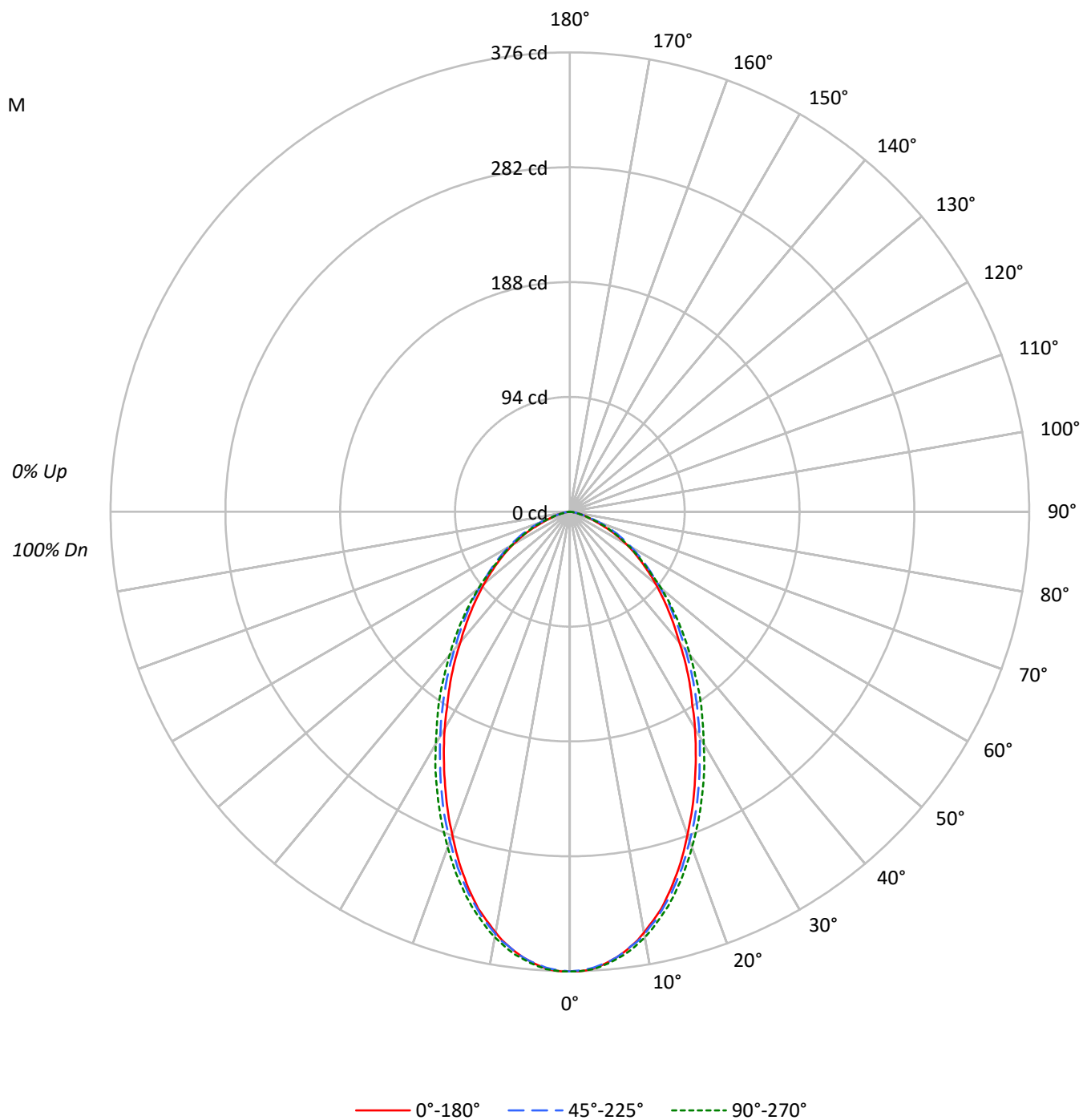
Lumens per Lamp: N/A  
Luminaire Lumens: 565.0 lumens  
Efficiency: N/A  
Efficacy: 50.9 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 71  | 64  | 58  | 81  | 70  | 63  | 58  | 68  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 42  |  | 53  | 47  | 42  |  | 51  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  |  | 49  | 43  | 39  |  | 48  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  |  | 46  | 40  | 36  |  | 45  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 64807 | 64807 | 64807 |
| 5°  | 63879 | 63879 | 64104 |
| 10° | 61155 | 61383 | 61855 |
| 15° | 56984 | 57465 | 58196 |
| 20° | 51574 | 52563 | 53571 |
| 25° | 46062 | 47374 | 48666 |
| 30° | 40748 | 42239 | 43591 |
| 35° | 35889 | 37466 | 39064 |
| 40° | 31318 | 33004 | 34398 |
| 45° | 27766 | 29276 | 30274 |
| 50° | 24516 | 25802 | 26177 |
| 55° | 21529 | 22760 | 22159 |
| 60° | 18566 | 19978 | 19048 |
| 65° | 14752 | 17238 | 15567 |
| 70° | 10675 | 13394 | 11682 |
| 75° | 8185  | 8650  | 7253  |
| 80° | 5455  | 5455  | 4066  |
| 85° | 2766  | 2766  | 2766  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 30274 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.7   | 6.1       |
| 10°-20°   | 90.1   | 15.9      |
| 20°-30°   | 114.4  | 20.3      |
| 30°-40°   | 111.3  | 19.7      |
| 40°-50°   | 92.5   | 16.4      |
| 50°-60°   | 66.8   | 11.8      |
| 60°-70°   | 39.3   | 6.9       |
| 70°-80°   | 13.9   | 2.5       |
| 80°-90°   | 2.0    | 0.4       |
| 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°    | 239.2  | 42.3      |
| 0°-40°    | 350.5  | 62.0      |
| 0°-60°    | 509.8  | 90.2      |
| 0°-90°    | 565.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 565.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 376 | 376   | 376 | 376   | 376 |      |
| 5°  | 370 | 369   | 370 | 370   | 371 | 35   |
| 15° | 320 | 320   | 322 | 324   | 326 | 89   |
| 25° | 242 | 245   | 249 | 254   | 256 | 111  |
| 35° | 171 | 173   | 178 | 183   | 186 | 107  |
| 45° | 114 | 116   | 120 | 123   | 124 | 88   |
| 55° | 72  | 74    | 76  | 75    | 74  | 64   |
| 65° | 36  | 39    | 42  | 40    | 38  | 36   |
| 75° | 12  | 13    | 13  | 12    | 11  | 13   |
| 85° | 1   | 1     | 1   | 1     | 1   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 376.3 | 376.3 | 376.3 | 376.3 | 376.3 |
| 1°    | 376.3 | 375.6 | 375.6 | 375.6 | 376.3 |
| 2°    | 375.6 | 374.9 | 374.9 | 374.9 | 375.6 |
| 3°    | 374.2 | 373.6 | 373.6 | 373.6 | 374.9 |
| 4°    | 372.2 | 370.8 | 371.5 | 371.5 | 372.9 |
| 5°    | 369.5 | 368.8 | 369.5 | 369.5 | 370.8 |
| 6°    | 366.7 | 366.0 | 366.7 | 366.7 | 368.1 |
| 7°    | 363.3 | 362.6 | 363.3 | 364.0 | 365.4 |
| 8°    | 359.2 | 358.5 | 359.2 | 359.9 | 361.9 |
| 9°    | 355.1 | 354.4 | 355.8 | 356.5 | 357.8 |
| 10°   | 349.7 | 349.7 | 351.0 | 351.7 | 353.7 |
| 11°   | 344.2 | 344.2 | 345.6 | 346.9 | 349.0 |
| 12°   | 338.7 | 338.7 | 340.8 | 342.1 | 343.5 |
| 13°   | 333.3 | 332.6 | 334.6 | 336.0 | 338.0 |
| 14°   | 326.4 | 325.7 | 328.5 | 330.5 | 332.6 |
| 15°   | 319.6 | 319.6 | 322.3 | 324.4 | 326.4 |
| 17.5° | 301.2 | 301.8 | 305.3 | 308.0 | 310.0 |
| 20°   | 281.4 | 283.4 | 286.8 | 290.2 | 292.3 |
| 22.5° | 262.2 | 263.6 | 268.4 | 272.5 | 274.5 |
| 25°   | 242.4 | 245.2 | 249.3 | 254.0 | 256.1 |
| 27.5° | 223.3 | 226.0 | 230.1 | 234.9 | 238.3 |
| 30°   | 204.9 | 206.9 | 212.4 | 217.2 | 219.2 |
| 32.5° | 186.4 | 189.2 | 194.6 | 199.4 | 202.1 |
| 35°   | 170.7 | 172.8 | 178.2 | 183.0 | 185.8 |
| 37.5° | 155.0 | 157.1 | 162.5 | 166.6 | 168.7 |
| 40°   | 139.3 | 142.7 | 146.8 | 150.9 | 153.0 |
| 42.5° | 126.3 | 129.1 | 133.2 | 136.6 | 138.6 |
| 45°   | 114.0 | 116.1 | 120.2 | 122.9 | 124.3 |
| 47.5° | 102.4 | 104.5 | 108.6 | 109.9 | 110.6 |
| 50°   | 91.5  | 93.6  | 96.3  | 97.0  | 97.7  |
| 52.5° | 81.3  | 82.6  | 85.4  | 85.4  | 84.7  |
| 55°   | 71.7  | 73.8  | 75.8  | 75.1  | 73.8  |
| 57.5° | 62.8  | 63.5  | 66.9  | 65.6  | 64.2  |
| 60°   | 53.9  | 55.3  | 58.0  | 56.7  | 55.3  |
| 62.5° | 45.1  | 46.4  | 49.9  | 48.5  | 46.4  |
| 65°   | 36.2  | 38.9  | 42.3  | 40.3  | 38.2  |
| 67.5° | 27.3  | 30.7  | 34.1  | 32.1  | 30.7  |
| 70°   | 21.2  | 23.9  | 26.6  | 24.6  | 23.2  |
| 72.5° | 16.4  | 17.8  | 19.1  | 17.8  | 16.4  |
| 75°   | 12.3  | 13.0  | 13.0  | 11.6  | 10.9  |
| 77.5° | 8.9   | 9.6   | 8.2   | 6.8   | 6.8   |
| 80°   | 5.5   | 6.1   | 5.5   | 4.1   | 4.1   |
| 82.5° | 2.7   | 3.4   | 2.7   | 2.7   | 2.7   |
| 85°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |
| 87.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |



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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)