

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: P1316203

Luminaire Tested: P3SQAS13R159827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316203  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R159827DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

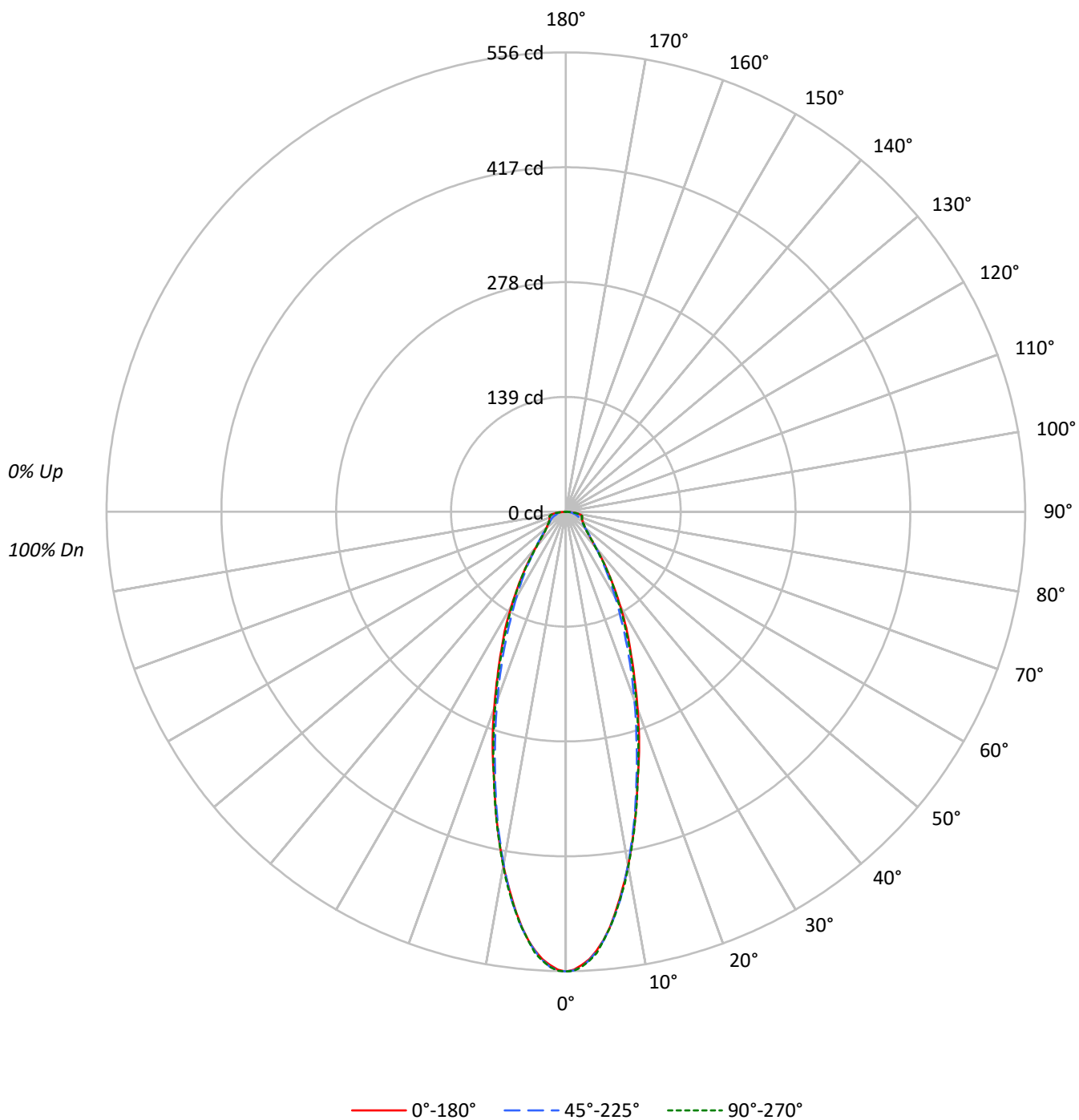
Lumens per Lamp: N/A  
Luminaire Lumens: 373.0 lumens  
Efficiency: N/A  
Efficacy: 25.7 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 75  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  |  | 72  | 68  | 64  |  | 71  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 7   | 78  | 68  | 61  | 56  | 77  | 67  | 60  | 56  | 66  | 60  | 56  |  | 64  | 59  | 55  |  | 63  |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 56  | 52  |  | 60  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |
| 10  | 68  | 57  | 51  | 47  | 67  | 57  | 51  | 47  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 95825 | 95825 | 95825 |
| 5°  | 90002 | 90105 | 90105 |
| 10° | 76020 | 75793 | 76265 |
| 15° | 59783 | 58945 | 59908 |
| 20° | 46460 | 44353 | 45837 |
| 25° | 35079 | 32628 | 34566 |
| 30° | 26091 | 23804 | 25554 |
| 35° | 18628 | 17345 | 18333 |
| 40° | 12612 | 12770 | 12455 |
| 45° | 9377  | 9889  | 9377  |
| 50° | 8145  | 8145  | 8145  |
| 55° | 7927  | 7507  | 7927  |
| 60° | 8163  | 7440  | 7922  |
| 65° | 8802  | 7702  | 8802  |
| 70° | 10574 | 7805  | 10574 |
| 75° | 13508 | 8118  | 13508 |
| 80° | 16761 | 8728  | 16067 |
| 85° | 13437 | 8102  | 14623 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16761 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.9   | 12.6      |
| 10°-20°   | 92.8   | 24.9      |
| 20°-30°   | 82.0   | 22.0      |
| 30°-40°   | 53.9   | 14.4      |
| 40°-50°   | 31.5   | 8.4       |
| 50°-60°   | 23.2   | 6.2       |
| 60°-70°   | 19.8   | 5.3       |
| 70°-80°   | 16.3   | 4.4       |
| 80°-90°   | 6.8    | 1.8       |
| 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°    | 221.7  | 59.4      |
| 0°-40°    | 275.6  | 73.9      |
| 0°-60°    | 330.2  | 88.5      |
| 0°-90°    | 373.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 373.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 556 | 556   | 556 | 556   | 556 |      |
| 5°  | 521 | 521   | 521 | 522   | 521 | 47   |
| 15° | 335 | 335   | 331 | 335   | 336 | 94   |
| 25° | 185 | 178   | 172 | 176   | 182 | 85   |
| 35° | 89  | 85    | 82  | 84    | 87  | 56   |
| 45° | 38  | 39    | 41  | 39    | 38  | 31   |
| 55° | 26  | 26    | 25  | 26    | 26  | 24   |
| 65° | 22  | 20    | 19  | 20    | 22  | 22   |
| 75° | 20  | 15    | 12  | 16    | 20  | 21   |
| 85° | 7   | 7     | 4   | 7     | 7   | 8    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 556.4 | 556.4 | 556.4 | 556.4 | 556.4 |
| 1°    | 554.4 | 555.1 | 555.1 | 555.7 | 555.7 |
| 2°    | 549.0 | 550.3 | 551.0 | 551.0 | 551.0 |
| 3°    | 542.2 | 542.9 | 543.6 | 544.2 | 544.2 |
| 4°    | 532.7 | 533.4 | 533.4 | 534.8 | 535.4 |
| 5°    | 520.6 | 520.6 | 521.2 | 521.9 | 521.2 |
| 6°    | 506.4 | 506.4 | 507.1 | 507.1 | 507.1 |
| 7°    | 489.5 | 490.1 | 490.8 | 491.5 | 490.8 |
| 8°    | 471.2 | 471.9 | 473.9 | 473.9 | 473.2 |
| 9°    | 453.0 | 453.6 | 453.6 | 455.7 | 455.7 |
| 10°   | 434.7 | 434.7 | 433.4 | 434.7 | 436.1 |
| 12.5° | 385.4 | 384.7 | 382.7 | 384.7 | 386.0 |
| 15°   | 335.3 | 335.3 | 330.6 | 334.7 | 336.0 |
| 17.5° | 294.8 | 288.7 | 283.9 | 288.0 | 291.4 |
| 20°   | 253.5 | 247.4 | 242.0 | 246.1 | 250.1 |
| 22.5° | 216.3 | 211.6 | 204.8 | 208.9 | 213.6 |
| 25°   | 184.6 | 178.5 | 171.7 | 176.5 | 181.9 |
| 27.5° | 158.2 | 150.1 | 143.3 | 148.7 | 153.5 |
| 30°   | 131.2 | 125.7 | 119.7 | 123.7 | 128.5 |
| 32.5° | 108.2 | 104.1 | 99.4  | 102.8 | 106.8 |
| 35°   | 88.6  | 85.2  | 82.5  | 84.5  | 87.2  |
| 37.5° | 71.0  | 69.6  | 68.3  | 69.0  | 69.0  |
| 40°   | 56.1  | 56.8  | 56.8  | 56.8  | 55.4  |
| 42.5° | 46.0  | 46.6  | 48.0  | 46.6  | 46.0  |
| 45°   | 38.5  | 39.2  | 40.6  | 39.2  | 38.5  |
| 47.5° | 33.8  | 34.5  | 35.2  | 33.8  | 33.8  |
| 50°   | 30.4  | 30.4  | 30.4  | 30.4  | 30.4  |
| 52.5° | 28.4  | 27.7  | 27.7  | 27.7  | 28.4  |
| 55°   | 26.4  | 25.7  | 25.0  | 25.7  | 26.4  |
| 57.5° | 24.3  | 23.7  | 23.0  | 23.7  | 24.3  |
| 60°   | 23.7  | 22.3  | 21.6  | 22.3  | 23.0  |
| 62.5° | 22.3  | 21.0  | 20.3  | 21.0  | 22.3  |
| 65°   | 21.6  | 19.6  | 18.9  | 19.6  | 21.6  |
| 67.5° | 21.0  | 18.3  | 16.9  | 18.3  | 21.0  |
| 70°   | 21.0  | 16.9  | 15.5  | 17.6  | 21.0  |
| 72.5° | 20.3  | 16.2  | 13.5  | 16.2  | 20.3  |
| 75°   | 20.3  | 14.9  | 12.2  | 15.5  | 20.3  |
| 77.5° | 18.9  | 13.5  | 10.1  | 14.2  | 18.9  |
| 80°   | 16.9  | 12.2  | 8.8   | 12.8  | 16.2  |
| 82.5° | 12.2  | 10.1  | 6.8   | 10.1  | 12.2  |
| 85°   | 6.8   | 7.4   | 4.1   | 6.8   | 7.4   |
| 87.5° | 0.7   | 2.0   | 1.4   | 4.1   | 3.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)