

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: P1305760

Luminaire Tested: P3SQAS09R309024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R309024DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

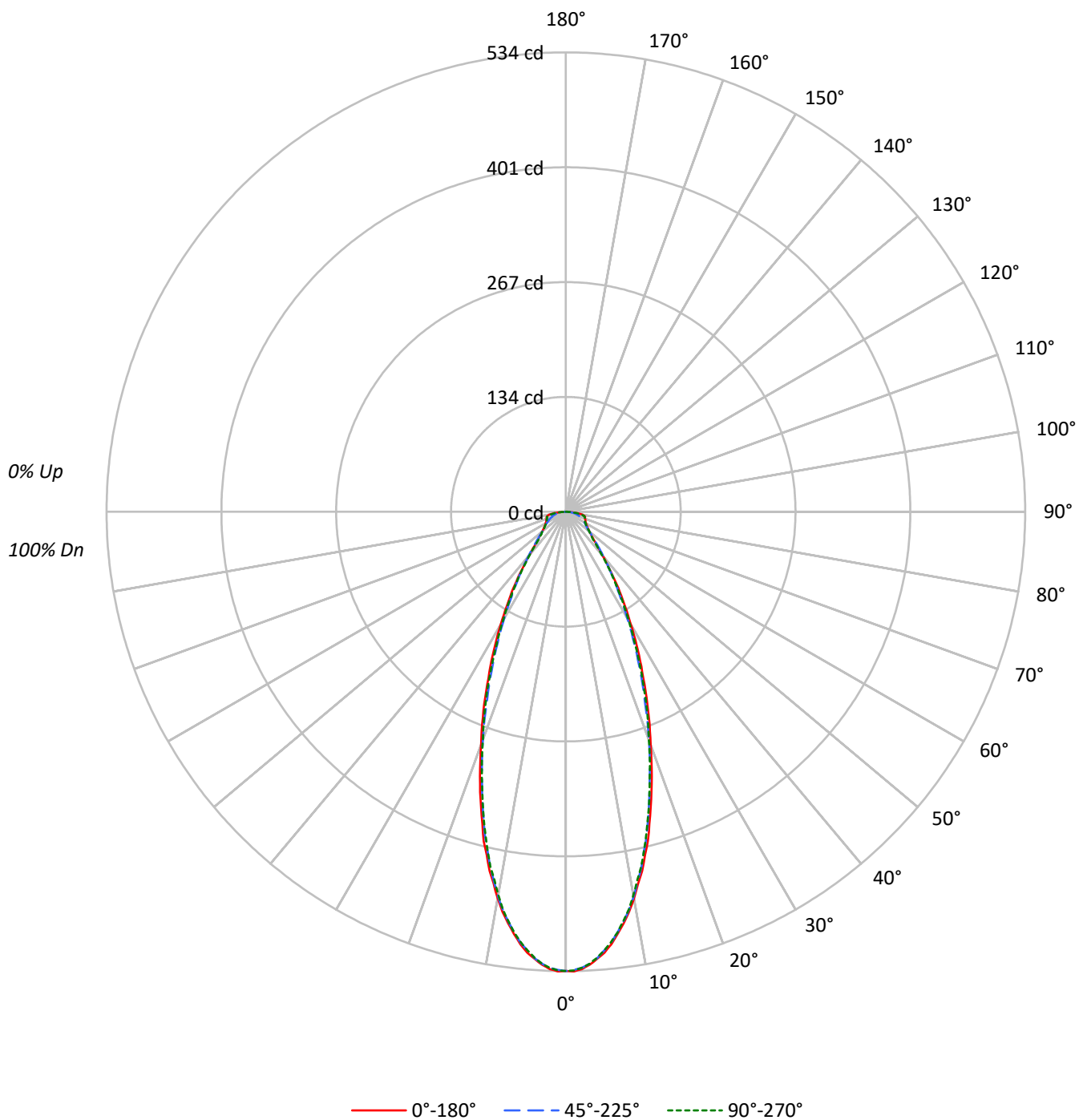
Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  |  | 63  | 58  | 54  |  | 62  |
| 8   | 74  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 51  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 91950 | 91950 | 91950 |
| 5°  | 88947 | 88498 | 88498 |
| 10° | 79832 | 79378 | 79046 |
| 15° | 66915 | 65881 | 65756 |
| 20° | 52820 | 51757 | 51757 |
| 25° | 40438 | 38841 | 39583 |
| 30° | 30009 | 28458 | 29114 |
| 35° | 21697 | 20751 | 20877 |
| 40° | 14928 | 15220 | 14501 |
| 45° | 11155 | 11618 | 10668 |
| 50° | 9672  | 9512  | 9512  |
| 55° | 9098  | 8708  | 8918  |
| 60° | 9334  | 8646  | 9093  |
| 65° | 10229 | 8680  | 9984  |
| 70° | 12035 | 8762  | 11682 |
| 75° | 15438 | 9449  | 15038 |
| 80° | 19142 | 10215 | 17951 |
| 85° | 15215 | 10275 | 14030 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 19142 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.1   | 11.2      |
| 10°-20°   | 102.4  | 24.3      |
| 20°-30°   | 95.4   | 22.7      |
| 30°-40°   | 63.3   | 15.0      |
| 40°-50°   | 36.8   | 8.8       |
| 50°-60°   | 26.8   | 6.4       |
| 60°-70°   | 22.7   | 5.4       |
| 70°-80°   | 18.8   | 4.5       |
| 80°-90°   | 7.8    | 1.9       |
| 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°    | 244.8  | 58.1      |
| 0°-40°    | 308.1  | 73.2      |
| 0°-60°    | 371.8  | 88.3      |
| 0°-90°    | 421.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 421.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 534 | 534   | 534 | 534   | 534 |      |
| 5°  | 514 | 514   | 512 | 512   | 512 | 47   |
| 15° | 375 | 371   | 370 | 369   | 369 | 104  |
| 25° | 213 | 209   | 204 | 205   | 208 | 98   |
| 35° | 103 | 101   | 99  | 99    | 99  | 65   |
| 45° | 46  | 46    | 48  | 45    | 44  | 37   |
| 55° | 30  | 30    | 29  | 30    | 30  | 28   |
| 65° | 25  | 23    | 21  | 23    | 24  | 25   |
| 75° | 23  | 17    | 14  | 17    | 23  | 24   |
| 85° | 8   | 9     | 5   | 8     | 7   | 9    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 533.9 | 533.9 | 533.9 | 533.9 | 533.9 |
| 1°    | 534.5 | 533.9 | 532.6 | 533.2 | 533.2 |
| 2°    | 531.9 | 531.3 | 530.6 | 530.6 | 530.6 |
| 3°    | 527.4 | 526.8 | 526.1 | 526.1 | 526.1 |
| 4°    | 521.0 | 520.3 | 520.3 | 519.7 | 519.7 |
| 5°    | 514.5 | 513.9 | 511.9 | 511.9 | 511.9 |
| 6°    | 505.5 | 504.9 | 503.6 | 502.9 | 502.9 |
| 7°    | 494.5 | 494.5 | 492.6 | 492.0 | 492.6 |
| 8°    | 482.9 | 482.3 | 481.0 | 480.4 | 480.4 |
| 9°    | 470.7 | 468.7 | 468.7 | 466.8 | 468.1 |
| 10°   | 456.5 | 455.2 | 453.9 | 452.6 | 452.0 |
| 11°   | 440.4 | 439.7 | 437.8 | 436.5 | 435.9 |
| 12°   | 426.8 | 423.6 | 422.3 | 420.4 | 421.7 |
| 13°   | 409.4 | 407.5 | 404.3 | 403.6 | 404.3 |
| 14°   | 394.6 | 390.7 | 388.2 | 386.9 | 386.2 |
| 15°   | 375.3 | 371.4 | 369.5 | 368.8 | 368.8 |
| 17.5° | 332.1 | 329.5 | 324.3 | 324.3 | 324.3 |
| 20°   | 288.2 | 285.6 | 282.4 | 281.8 | 282.4 |
| 22.5° | 250.2 | 245.7 | 240.5 | 241.1 | 245.0 |
| 25°   | 212.8 | 208.9 | 204.4 | 205.0 | 208.3 |
| 27.5° | 181.2 | 176.0 | 171.5 | 172.8 | 174.7 |
| 30°   | 150.9 | 147.7 | 143.1 | 144.4 | 146.4 |
| 32.5° | 125.1 | 123.2 | 118.0 | 119.3 | 121.2 |
| 35°   | 103.2 | 101.2 | 98.7  | 99.3  | 99.3  |
| 37.5° | 82.5  | 82.5  | 81.9  | 81.2  | 80.6  |
| 40°   | 66.4  | 67.7  | 67.7  | 65.8  | 64.5  |
| 42.5° | 54.2  | 55.5  | 56.7  | 54.2  | 52.2  |
| 45°   | 45.8  | 46.4  | 47.7  | 45.1  | 43.8  |
| 47.5° | 40.0  | 40.0  | 41.3  | 39.3  | 38.7  |
| 50°   | 36.1  | 36.1  | 35.5  | 34.8  | 35.5  |
| 52.5° | 32.9  | 32.2  | 31.6  | 32.2  | 32.2  |
| 55°   | 30.3  | 29.7  | 29.0  | 29.7  | 29.7  |
| 57.5° | 28.4  | 27.7  | 27.1  | 27.1  | 27.7  |
| 60°   | 27.1  | 25.8  | 25.1  | 25.8  | 26.4  |
| 62.5° | 25.8  | 23.9  | 23.2  | 23.9  | 25.1  |
| 65°   | 25.1  | 22.6  | 21.3  | 22.6  | 24.5  |
| 67.5° | 24.5  | 21.3  | 19.3  | 21.3  | 23.9  |
| 70°   | 23.9  | 20.0  | 17.4  | 20.0  | 23.2  |
| 72.5° | 23.2  | 18.7  | 16.1  | 18.7  | 23.2  |
| 75°   | 23.2  | 17.4  | 14.2  | 17.4  | 22.6  |
| 77.5° | 21.9  | 16.1  | 12.3  | 16.1  | 21.3  |
| 80°   | 19.3  | 14.8  | 10.3  | 14.2  | 18.1  |
| 82.5° | 14.2  | 12.9  | 7.7   | 12.3  | 13.5  |
| 85°   | 7.7   | 9.0   | 5.2   | 8.4   | 7.1   |
| 87.5° | 1.3   | 1.9   | 1.3   | 3.9   | 2.6   |



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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)