

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: P1315040

Luminaire Tested: P3SQAS05R309740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315040  
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: P3SQAS05R309740DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

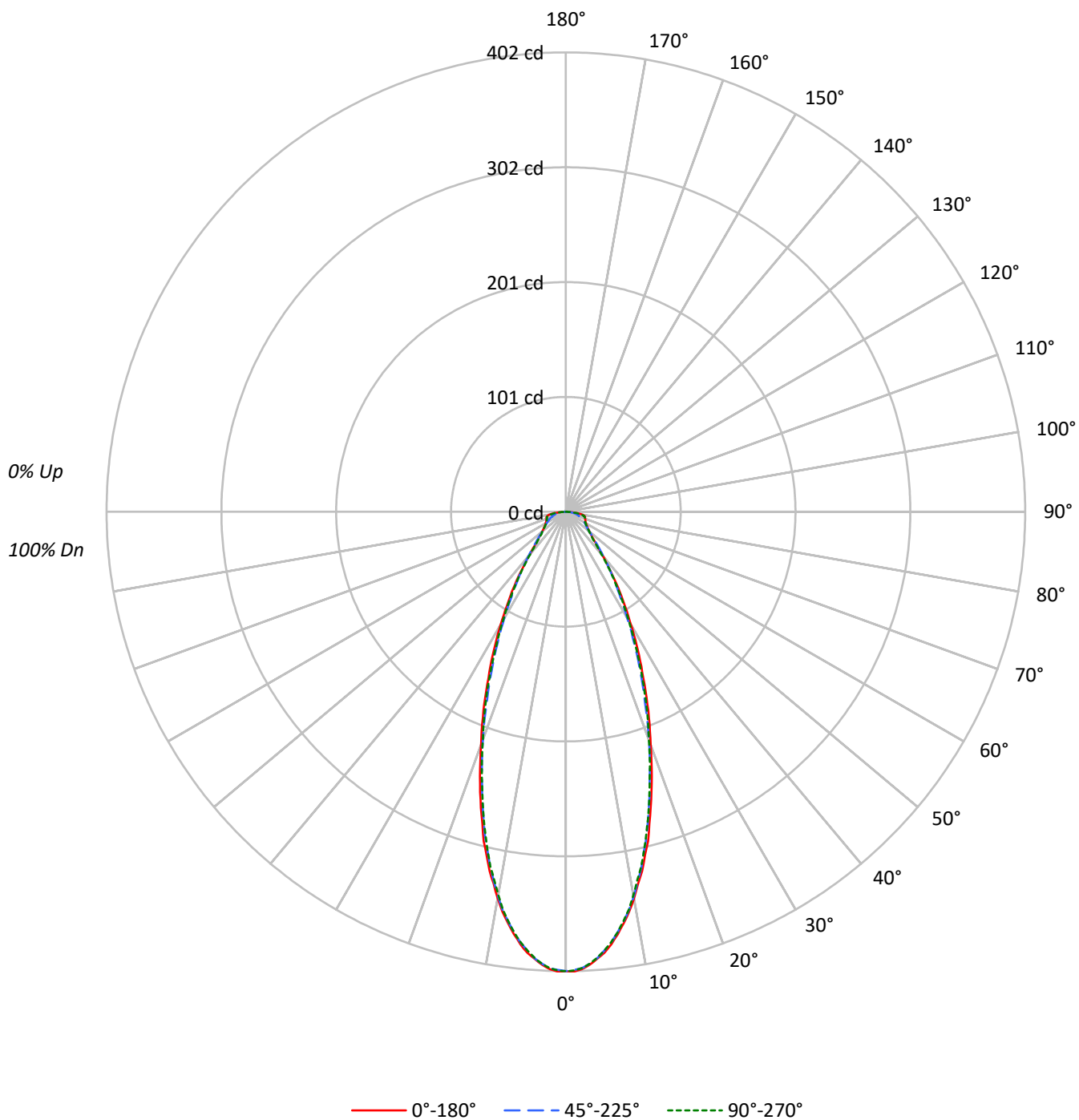
Lumens per Lamp: N/A  
Luminaire Lumens: 317.0 lumens  
Efficiency: N/A  
Efficacy: 44.0 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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°  | 69234 | 69234 | 69234 |
| 5°  | 66974 | 66645 | 66645 |
| 10° | 60106 | 59774 | 59511 |
| 15° | 50387 | 49603 | 49513 |
| 20° | 39771 | 38964 | 38964 |
| 25° | 30442 | 29245 | 29796 |
| 30° | 22591 | 21438 | 21915 |
| 35° | 16336 | 15621 | 15726 |
| 40° | 11241 | 11466 | 10904 |
| 45° | 8403  | 8744  | 8037  |
| 50° | 7288  | 7154  | 7154  |
| 55° | 6846  | 6546  | 6696  |
| 60° | 7027  | 6510  | 6854  |
| 65° | 7702  | 6520  | 7498  |
| 70° | 9064  | 6596  | 8812  |
| 75° | 11645 | 7120  | 11312 |
| 80° | 14480 | 7736  | 13488 |
| 85° | 11461 | 7707  | 10473 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 14480 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.4   | 11.2      |
| 10°-20°   | 77.1   | 24.3      |
| 20°-30°   | 71.8   | 22.7      |
| 30°-40°   | 47.7   | 15.0      |
| 40°-50°   | 27.7   | 8.8       |
| 50°-60°   | 20.2   | 6.4       |
| 60°-70°   | 17.1   | 5.4       |
| 70°-80°   | 14.1   | 4.5       |
| 80°-90°   | 5.9    | 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°    | 184.3  | 58.1      |
| 0°-40°    | 232.0  | 73.2      |
| 0°-60°    | 279.9  | 88.3      |
| 0°-90°    | 317.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 317.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 402 | 402   | 402 | 402   | 402 |      |
| 5°  | 387 | 387   | 386 | 386   | 386 | 36   |
| 15° | 283 | 280   | 278 | 278   | 278 | 78   |
| 25° | 160 | 157   | 154 | 154   | 157 | 74   |
| 35° | 78  | 76    | 74  | 75    | 75  | 49   |
| 45° | 34  | 35    | 36  | 34    | 33  | 28   |
| 55° | 23  | 22    | 22  | 22    | 22  | 21   |
| 65° | 19  | 17    | 16  | 17    | 18  | 19   |
| 75° | 18  | 13    | 11  | 13    | 17  | 18   |
| 85° | 6   | 7     | 4   | 6     | 5   | 7    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 |
| 1°    | 402.5 | 402.0 | 401.0 | 401.5 | 401.5 |
| 2°    | 400.5 | 400.0 | 399.6 | 399.6 | 399.6 |
| 3°    | 397.1 | 396.6 | 396.2 | 396.2 | 396.2 |
| 4°    | 392.3 | 391.8 | 391.8 | 391.3 | 391.3 |
| 5°    | 387.4 | 386.9 | 385.5 | 385.5 | 385.5 |
| 6°    | 380.6 | 380.1 | 379.2 | 378.7 | 378.7 |
| 7°    | 372.4 | 372.4 | 370.9 | 370.4 | 370.9 |
| 8°    | 363.6 | 363.1 | 362.2 | 361.7 | 361.7 |
| 9°    | 354.4 | 353.0 | 353.0 | 351.5 | 352.5 |
| 10°   | 343.7 | 342.8 | 341.8 | 340.8 | 340.3 |
| 11°   | 331.6 | 331.1 | 329.7 | 328.7 | 328.2 |
| 12°   | 321.4 | 319.0 | 318.0 | 316.5 | 317.5 |
| 13°   | 308.3 | 306.8 | 304.4 | 303.9 | 304.4 |
| 14°   | 297.1 | 294.2 | 292.3 | 291.3 | 290.8 |
| 15°   | 282.6 | 279.6 | 278.2 | 277.7 | 277.7 |
| 17.5° | 250.0 | 248.1 | 244.2 | 244.2 | 244.2 |
| 20°   | 217.0 | 215.1 | 212.6 | 212.2 | 212.6 |
| 22.5° | 188.4 | 185.0 | 181.1 | 181.6 | 184.5 |
| 25°   | 160.2 | 157.3 | 153.9 | 154.4 | 156.8 |
| 27.5° | 136.4 | 132.5 | 129.1 | 130.1 | 131.6 |
| 30°   | 113.6 | 111.2 | 107.8 | 108.8 | 110.2 |
| 32.5° | 94.2  | 92.7  | 88.8  | 89.8  | 91.3  |
| 35°   | 77.7  | 76.2  | 74.3  | 74.8  | 74.8  |
| 37.5° | 62.1  | 62.1  | 61.7  | 61.2  | 60.7  |
| 40°   | 50.0  | 51.0  | 51.0  | 49.5  | 48.5  |
| 42.5° | 40.8  | 41.8  | 42.7  | 40.8  | 39.3  |
| 45°   | 34.5  | 35.0  | 35.9  | 34.0  | 33.0  |
| 47.5° | 30.1  | 30.1  | 31.1  | 29.6  | 29.1  |
| 50°   | 27.2  | 27.2  | 26.7  | 26.2  | 26.7  |
| 52.5° | 24.8  | 24.3  | 23.8  | 24.3  | 24.3  |
| 55°   | 22.8  | 22.3  | 21.8  | 22.3  | 22.3  |
| 57.5° | 21.4  | 20.9  | 20.4  | 20.4  | 20.9  |
| 60°   | 20.4  | 19.4  | 18.9  | 19.4  | 19.9  |
| 62.5° | 19.4  | 18.0  | 17.5  | 18.0  | 18.9  |
| 65°   | 18.9  | 17.0  | 16.0  | 17.0  | 18.4  |
| 67.5° | 18.4  | 16.0  | 14.6  | 16.0  | 18.0  |
| 70°   | 18.0  | 15.1  | 13.1  | 15.1  | 17.5  |
| 72.5° | 17.5  | 14.1  | 12.1  | 14.1  | 17.5  |
| 75°   | 17.5  | 13.1  | 10.7  | 13.1  | 17.0  |
| 77.5° | 16.5  | 12.1  | 9.2   | 12.1  | 16.0  |
| 80°   | 14.6  | 11.2  | 7.8   | 10.7  | 13.6  |
| 82.5° | 10.7  | 9.7   | 5.8   | 9.2   | 10.2  |
| 85°   | 5.8   | 6.8   | 3.9   | 6.3   | 5.3   |
| 87.5° | 1.0   | 1.5   | 1.0   | 2.9   | 1.9   |



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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)