

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: P1309929

Luminaire Tested: P3SQAS05R309040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309929  
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: P3SQAS05R309040DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

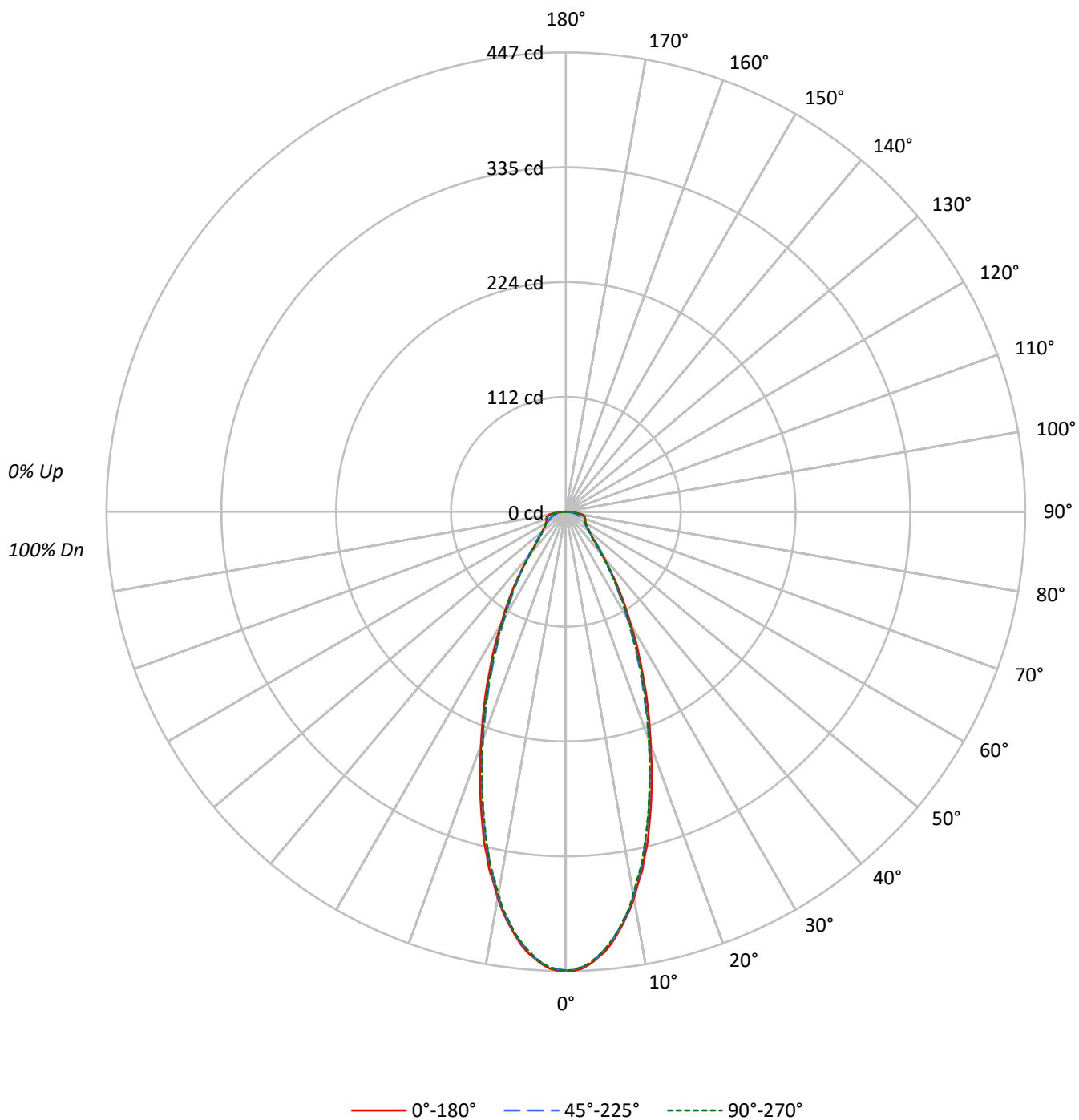
Lumens per Lamp: N/A  
Luminaire Lumens: 352.0 lumens  
Efficiency: N/A  
Efficacy: 48.9 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°  | 76880 | 76880 | 76880 |
| 5°  | 74373 | 73993 | 73993 |
| 10° | 66751 | 66367 | 66087 |
| 15° | 55950 | 55076 | 54987 |
| 20° | 44169 | 43271 | 43271 |
| 25° | 33806 | 32476 | 33084 |
| 30° | 25077 | 23804 | 24341 |
| 35° | 18144 | 17345 | 17450 |
| 40° | 12478 | 12725 | 12118 |
| 45° | 9328  | 9718  | 8939  |
| 50° | 8092  | 7958  | 7958  |
| 55° | 7597  | 7296  | 7446  |
| 60° | 7784  | 7233  | 7612  |
| 65° | 8558  | 7254  | 8354  |
| 70° | 10021 | 7352  | 9769  |
| 75° | 12909 | 7918  | 12576 |
| 80° | 16067 | 8529  | 14976 |
| 85° | 12844 | 8497  | 11659 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16067 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.4   | 11.2      |
| 10°-20°   | 85.6   | 24.3      |
| 20°-30°   | 79.7   | 22.7      |
| 30°-40°   | 52.9   | 15.0      |
| 40°-50°   | 30.8   | 8.8       |
| 50°-60°   | 22.4   | 6.4       |
| 60°-70°   | 19.0   | 5.4       |
| 70°-80°   | 15.7   | 4.5       |
| 80°-90°   | 6.5    | 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°    | 204.7  | 58.1      |
| 0°-40°    | 257.6  | 73.2      |
| 0°-60°    | 310.8  | 88.3      |
| 0°-90°    | 352.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 352.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 446 | 446   | 446 | 446   | 446 |      |
| 5°  | 430 | 430   | 428 | 428   | 428 | 39   |
| 15° | 314 | 310   | 309 | 308   | 308 | 87   |
| 25° | 178 | 175   | 171 | 171   | 174 | 82   |
| 35° | 86  | 85    | 82  | 83    | 83  | 54   |
| 45° | 38  | 39    | 40  | 38    | 37  | 31   |
| 55° | 25  | 25    | 24  | 25    | 25  | 23   |
| 65° | 21  | 19    | 18  | 19    | 20  | 21   |
| 75° | 19  | 15    | 12  | 15    | 19  | 20   |
| 85° | 6   | 8     | 4   | 7     | 6   | 8    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 446.4 | 446.4 | 446.4 | 446.4 | 446.4 |
| 1°    | 446.9 | 446.4 | 445.3 | 445.8 | 445.8 |
| 2°    | 444.8 | 444.2 | 443.7 | 443.7 | 443.7 |
| 3°    | 441.0 | 440.4 | 439.9 | 439.9 | 439.9 |
| 4°    | 435.6 | 435.1 | 435.1 | 434.5 | 434.5 |
| 5°    | 430.2 | 429.7 | 428.0 | 428.0 | 428.0 |
| 6°    | 422.7 | 422.1 | 421.0 | 420.5 | 420.5 |
| 7°    | 413.5 | 413.5 | 411.9 | 411.3 | 411.9 |
| 8°    | 403.8 | 403.2 | 402.2 | 401.6 | 401.6 |
| 9°    | 393.5 | 391.9 | 391.9 | 390.3 | 391.4 |
| 10°   | 381.7 | 380.6 | 379.5 | 378.4 | 377.9 |
| 11°   | 368.2 | 367.7 | 366.0 | 365.0 | 364.4 |
| 12°   | 356.9 | 354.2 | 353.1 | 351.5 | 352.6 |
| 13°   | 342.3 | 340.7 | 338.0 | 337.5 | 338.0 |
| 14°   | 329.9 | 326.7 | 324.5 | 323.5 | 322.9 |
| 15°   | 313.8 | 310.5 | 308.9 | 308.4 | 308.4 |
| 17.5° | 277.6 | 275.5 | 271.2 | 271.2 | 271.2 |
| 20°   | 241.0 | 238.8 | 236.1 | 235.6 | 236.1 |
| 22.5° | 209.2 | 205.4 | 201.1 | 201.6 | 204.9 |
| 25°   | 177.9 | 174.7 | 170.9 | 171.4 | 174.1 |
| 27.5° | 151.5 | 147.2 | 143.4 | 144.5 | 146.1 |
| 30°   | 126.1 | 123.5 | 119.7 | 120.8 | 122.4 |
| 32.5° | 104.6 | 103.0 | 98.7  | 99.7  | 101.4 |
| 35°   | 86.3  | 84.6  | 82.5  | 83.0  | 83.0  |
| 37.5° | 69.0  | 69.0  | 68.5  | 67.9  | 67.4  |
| 40°   | 55.5  | 56.6  | 56.6  | 55.0  | 53.9  |
| 42.5° | 45.3  | 46.4  | 47.4  | 45.3  | 43.7  |
| 45°   | 38.3  | 38.8  | 39.9  | 37.7  | 36.7  |
| 47.5° | 33.4  | 33.4  | 34.5  | 32.9  | 32.3  |
| 50°   | 30.2  | 30.2  | 29.7  | 29.1  | 29.7  |
| 52.5° | 27.5  | 27.0  | 26.4  | 27.0  | 27.0  |
| 55°   | 25.3  | 24.8  | 24.3  | 24.8  | 24.8  |
| 57.5° | 23.7  | 23.2  | 22.6  | 22.6  | 23.2  |
| 60°   | 22.6  | 21.6  | 21.0  | 21.6  | 22.1  |
| 62.5° | 21.6  | 19.9  | 19.4  | 19.9  | 21.0  |
| 65°   | 21.0  | 18.9  | 17.8  | 18.9  | 20.5  |
| 67.5° | 20.5  | 17.8  | 16.2  | 17.8  | 19.9  |
| 70°   | 19.9  | 16.7  | 14.6  | 16.7  | 19.4  |
| 72.5° | 19.4  | 15.6  | 13.5  | 15.6  | 19.4  |
| 75°   | 19.4  | 14.6  | 11.9  | 14.6  | 18.9  |
| 77.5° | 18.3  | 13.5  | 10.2  | 13.5  | 17.8  |
| 80°   | 16.2  | 12.4  | 8.6   | 11.9  | 15.1  |
| 82.5° | 11.9  | 10.8  | 6.5   | 10.2  | 11.3  |
| 85°   | 6.5   | 7.5   | 4.3   | 7.0   | 5.9   |
| 87.5° | 1.1   | 1.6   | 1.1   | 3.2   | 2.2   |



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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)