

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: P1315006

Luminaire Tested: P3SQAS05R209740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R209740DE010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

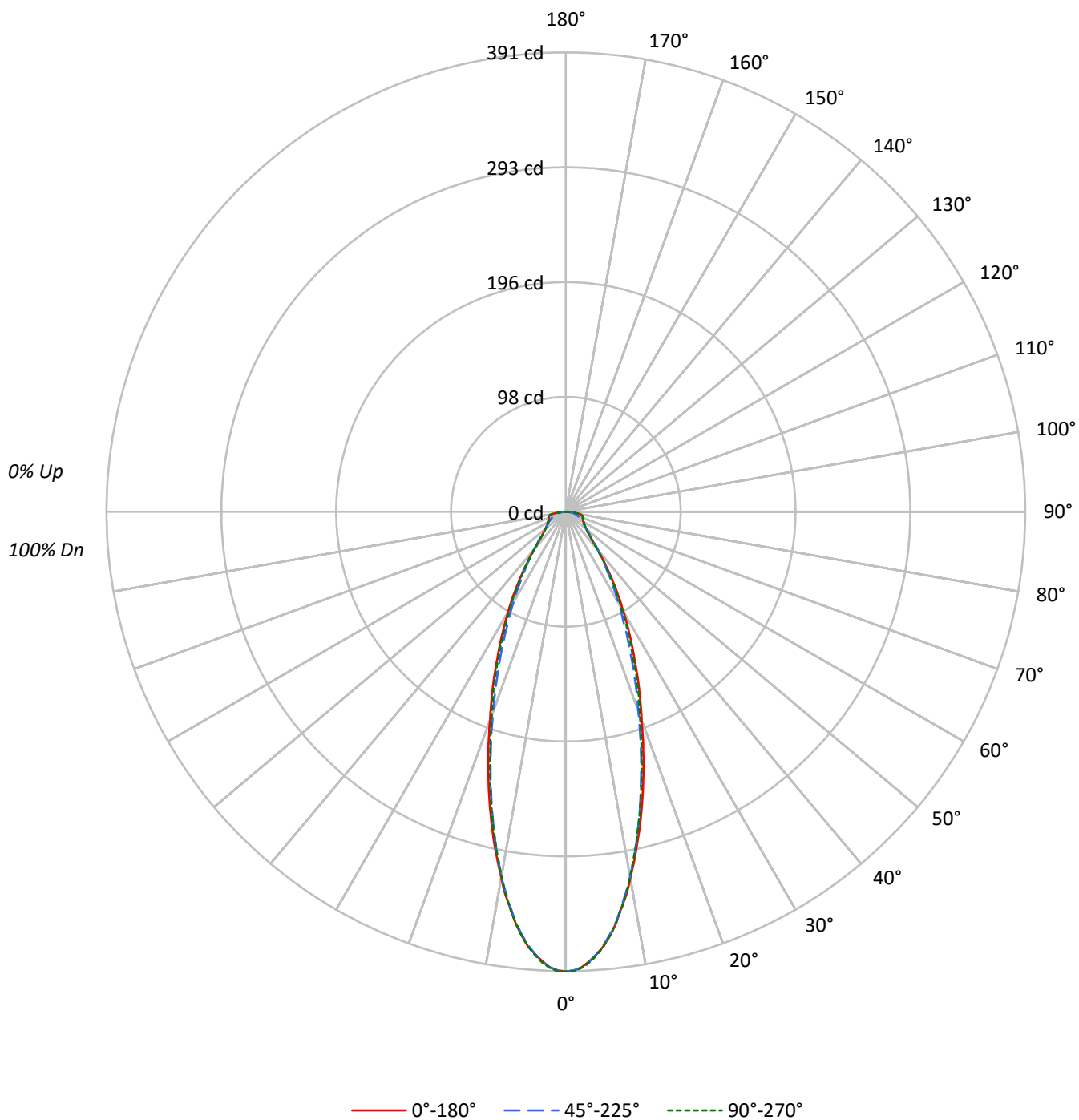
Lumens per Lamp: N/A  
Luminaire Lumens: 276.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  |  | 97  | 95  | 94  |  | 94  | 92  | 91  | 89  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 90  | 86  | 83  |  | 87  | 84  | 82  | 80  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 85  | 81  | 77  |  | 83  | 79  | 75  |  | 81  | 77  | 74  | 72  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 75  | 71  | 68  | 66  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 68  | 64  |  | 72  | 67  | 64  |  | 71  | 66  | 63  | 61  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 69  | 64  | 59  |  | 68  | 63  | 59  |  | 67  | 62  | 59  | 57  |
| 7   | 78  | 67  | 61  | 56  | 77  | 67  | 60  | 56  | 65  | 60  | 55  |  | 64  | 59  | 55  |  | 63  | 58  | 55  | 53  |
| 8   | 74  | 63  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  |  | 61  | 55  | 52  |  | 60  | 55  | 51  | 50  |
| 9   | 71  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 53  | 49  |  | 58  | 52  | 49  |  | 57  | 52  | 48  | 47  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  |  | 55  | 50  | 46  |  | 54  | 49  | 46  | 44  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 67408 | 67408 | 67408 |
| 5°  | 64139 | 63966 | 64139 |
| 10° | 55367 | 55192 | 55105 |
| 15° | 44931 | 43897 | 44075 |
| 20° | 34621 | 33100 | 33723 |
| 25° | 26300 | 24361 | 25559 |
| 30° | 19509 | 17759 | 18932 |
| 35° | 13792 | 12867 | 13582 |
| 40° | 9487  | 9487  | 9285  |
| 45° | 6966  | 7331  | 6966  |
| 50° | 6109  | 6109  | 6109  |
| 55° | 5825  | 5675  | 5825  |
| 60° | 6028  | 5511  | 6028  |
| 65° | 6520  | 5542  | 6520  |
| 70° | 7805  | 5640  | 7805  |
| 75° | 10048 | 6122  | 10048 |
| 80° | 12497 | 6248  | 12001 |
| 85° | 9683  | 5730  | 10473 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12497 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.6   | 12.2      |
| 10°-20°   | 68.6   | 24.8      |
| 20°-30°   | 61.2   | 22.2      |
| 30°-40°   | 40.2   | 14.6      |
| 40°-50°   | 23.3   | 8.5       |
| 50°-60°   | 17.3   | 6.3       |
| 60°-70°   | 14.6   | 5.3       |
| 70°-80°   | 12.1   | 4.4       |
| 80°-90°   | 5.0    | 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       |
| 0°-30°    | 163.4  | 59.2      |
| 0°-40°    | 203.5  | 73.7      |
| 0°-60°    | 244.2  | 88.5      |
| 0°-90°    | 276.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 276.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 391 | 391   | 391 | 391   | 391 |      |
| 5°  | 371 | 370   | 370 | 370   | 371 | 34   |
| 15° | 252 | 250   | 246 | 247   | 247 | 70   |
| 25° | 138 | 134   | 128 | 132   | 134 | 64   |
| 35° | 66  | 64    | 61  | 63    | 65  | 42   |
| 45° | 29  | 29    | 30  | 29    | 29  | 23   |
| 55° | 19  | 19    | 19  | 19    | 19  | 18   |
| 65° | 16  | 15    | 14  | 15    | 16  | 16   |
| 75° | 15  | 11    | 9   | 11    | 15  | 15   |
| 85° | 5   | 5     | 3   | 5     | 5   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 391.4 | 391.4 | 391.4 | 391.4 | 391.4 |
| 1°    | 390.4 | 390.9 | 390.4 | 390.9 | 391.4 |
| 2°    | 388.0 | 388.5 | 388.0 | 388.0 | 388.5 |
| 3°    | 383.1 | 383.6 | 383.6 | 383.6 | 384.1 |
| 4°    | 377.3 | 377.8 | 377.3 | 377.8 | 378.3 |
| 5°    | 371.0 | 370.5 | 370.0 | 370.5 | 371.0 |
| 6°    | 362.2 | 361.7 | 361.3 | 361.7 | 362.2 |
| 7°    | 352.5 | 352.0 | 351.5 | 351.5 | 352.0 |
| 8°    | 340.4 | 340.9 | 339.4 | 340.4 | 340.9 |
| 9°    | 329.7 | 328.7 | 327.8 | 327.8 | 328.7 |
| 10°   | 316.6 | 315.6 | 315.6 | 315.1 | 315.1 |
| 12.5° | 284.5 | 282.6 | 281.1 | 281.1 | 281.6 |
| 15°   | 252.0 | 249.6 | 246.2 | 246.7 | 247.2 |
| 17.5° | 219.5 | 216.6 | 212.2 | 213.2 | 214.1 |
| 20°   | 188.9 | 186.0 | 180.6 | 182.6 | 184.0 |
| 22.5° | 162.7 | 158.3 | 153.4 | 154.9 | 159.8 |
| 25°   | 138.4 | 134.5 | 128.2 | 131.6 | 134.5 |
| 27.5° | 117.0 | 112.7 | 107.3 | 110.7 | 113.6 |
| 30°   | 98.1  | 94.2  | 89.3  | 92.3  | 95.2  |
| 32.5° | 81.1  | 77.7  | 74.3  | 76.2  | 78.7  |
| 35°   | 65.6  | 63.6  | 61.2  | 63.1  | 64.6  |
| 37.5° | 52.9  | 52.0  | 51.0  | 52.0  | 51.5  |
| 40°   | 42.2  | 42.7  | 42.2  | 42.2  | 41.3  |
| 42.5° | 33.5  | 35.0  | 35.4  | 34.5  | 33.5  |
| 45°   | 28.6  | 29.1  | 30.1  | 29.1  | 28.6  |
| 47.5° | 25.2  | 25.2  | 25.7  | 25.2  | 24.8  |
| 50°   | 22.8  | 22.8  | 22.8  | 22.8  | 22.8  |
| 52.5° | 20.9  | 20.9  | 20.4  | 20.9  | 20.9  |
| 55°   | 19.4  | 18.9  | 18.9  | 18.9  | 19.4  |
| 57.5° | 18.5  | 18.0  | 17.5  | 18.0  | 18.5  |
| 60°   | 17.5  | 16.5  | 16.0  | 16.5  | 17.5  |
| 62.5° | 16.5  | 15.5  | 15.1  | 15.5  | 16.5  |
| 65°   | 16.0  | 14.6  | 13.6  | 14.6  | 16.0  |
| 67.5° | 15.5  | 13.6  | 12.6  | 13.6  | 16.0  |
| 70°   | 15.5  | 12.6  | 11.2  | 13.1  | 15.5  |
| 72.5° | 15.1  | 12.1  | 10.2  | 12.1  | 15.1  |
| 75°   | 15.1  | 11.2  | 9.2   | 11.2  | 15.1  |
| 77.5° | 14.1  | 10.2  | 7.8   | 10.2  | 14.1  |
| 80°   | 12.6  | 9.2   | 6.3   | 9.2   | 12.1  |
| 82.5° | 9.2   | 7.8   | 4.9   | 7.8   | 9.2   |
| 85°   | 4.9   | 5.3   | 2.9   | 5.3   | 5.3   |
| 87.5° | 0.5   | 1.9   | 1.0   | 2.9   | 2.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)