

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: P1307521

Luminaire Tested: P3SQAS02R309030DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309030DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

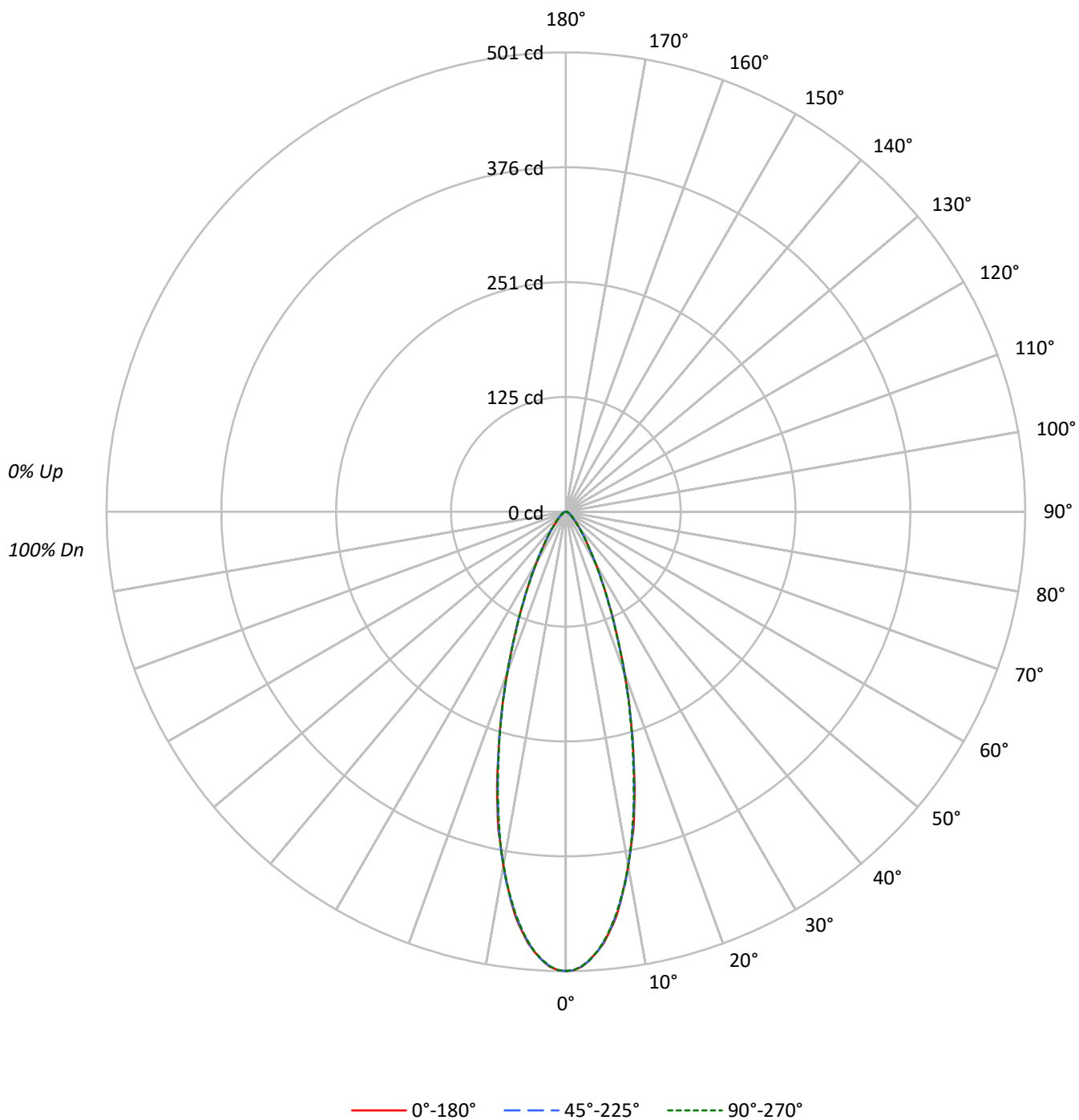
Lumens per Lamp: N/A  
Luminaire Lumens: 220.0 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 96  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 91  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 86266 | 86266 | 86266 |
| 5°  | 81686 | 81461 | 81427 |
| 10° | 68623 | 68623 | 68360 |
| 15° | 51118 | 50993 | 50690 |
| 20° | 34218 | 34034 | 34089 |
| 25° | 21093 | 21055 | 21131 |
| 30° | 12688 | 12688 | 12727 |
| 35° | 7779  | 7779  | 7821  |
| 40° | 4924  | 4924  | 5036  |
| 45° | 3385  | 3434  | 3434  |
| 50° | 2465  | 2465  | 2465  |
| 55° | 1892  | 1982  | 1982  |
| 60° | 1584  | 1584  | 1688  |
| 65° | 1386  | 1386  | 1386  |
| 70° | 1209  | 1360  | 1360  |
| 75° | 1131  | 1131  | 1131  |
| 80° | 992   | 992   | 992   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3434 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.5   | 19.3      |
| 10°-20°   | 78.4   | 35.6      |
| 20°-30°   | 52.1   | 23.7      |
| 30°-40°   | 24.1   | 11.0      |
| 40°-50°   | 11.2   | 5.1       |
| 50°-60°   | 6.0    | 2.7       |
| 60°-70°   | 3.5    | 1.6       |
| 70°-80°   | 1.9    | 0.8       |
| 80°-90°   | 0.4    | 0.2       |
| 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°    | 173.0  | 78.7      |
| 0°-40°    | 197.1  | 89.6      |
| 0°-60°    | 214.3  | 97.4      |
| 0°-90°    | 220.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 220.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 501 | 501   | 501 | 501   | 501 |      |
| 5°  | 472 | 472   | 471 | 472   | 471 | 42   |
| 15° | 287 | 288   | 286 | 286   | 284 | 79   |
| 25° | 111 | 111   | 111 | 111   | 111 | 52   |
| 35° | 37  | 37    | 37  | 37    | 37  | 24   |
| 45° | 14  | 14    | 14  | 14    | 14  | 11   |
| 55° | 6   | 7     | 7   | 7     | 7   | 6    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 500.9 | 500.9 | 500.9 | 500.9 | 500.9 |
| 1°    | 500.0 | 499.5 | 500.0 | 500.7 | 499.7 |
| 2°    | 496.6 | 496.1 | 496.1 | 497.0 | 496.1 |
| 3°    | 490.0 | 490.5 | 490.2 | 491.2 | 489.5 |
| 4°    | 481.7 | 481.5 | 482.4 | 482.9 | 481.5 |
| 5°    | 472.5 | 471.5 | 471.2 | 472.5 | 471.0 |
| 6°    | 459.8 | 459.1 | 458.6 | 460.0 | 458.1 |
| 7°    | 446.2 | 445.7 | 445.0 | 445.4 | 444.0 |
| 8°    | 429.4 | 429.1 | 428.6 | 429.1 | 427.4 |
| 9°    | 410.6 | 410.6 | 411.6 | 411.4 | 410.4 |
| 10°   | 392.4 | 392.9 | 392.4 | 392.9 | 390.9 |
| 11°   | 371.9 | 371.9 | 372.4 | 372.2 | 372.4 |
| 12°   | 354.2 | 352.2 | 351.7 | 351.2 | 349.8 |
| 13°   | 331.3 | 329.8 | 329.3 | 329.8 | 329.1 |
| 14°   | 310.3 | 309.4 | 306.9 | 307.4 | 306.5 |
| 15°   | 286.7 | 287.7 | 286.0 | 286.0 | 284.3 |
| 17.5° | 234.4 | 233.4 | 233.9 | 234.2 | 233.4 |
| 20°   | 186.7 | 186.2 | 185.7 | 185.2 | 186.0 |
| 22.5° | 145.1 | 145.3 | 144.8 | 144.3 | 143.9 |
| 25°   | 111.0 | 110.8 | 110.8 | 110.8 | 111.2 |
| 27.5° | 84.2  | 84.2  | 84.2  | 84.5  | 84.5  |
| 30°   | 63.8  | 63.3  | 63.8  | 64.0  | 64.0  |
| 32.5° | 47.7  | 48.2  | 48.4  | 48.4  | 48.4  |
| 35°   | 37.0  | 36.8  | 37.0  | 37.2  | 37.2  |
| 37.5° | 28.2  | 28.2  | 28.5  | 28.5  | 28.7  |
| 40°   | 21.9  | 21.9  | 21.9  | 22.2  | 22.4  |
| 42.5° | 17.3  | 17.3  | 17.5  | 17.5  | 17.8  |
| 45°   | 13.9  | 13.9  | 14.1  | 14.1  | 14.1  |
| 47.5° | 11.2  | 11.2  | 11.4  | 11.4  | 11.4  |
| 50°   | 9.2   | 9.2   | 9.2   | 9.2   | 9.2   |
| 52.5° | 7.8   | 7.5   | 7.8   | 7.8   | 7.8   |
| 55°   | 6.3   | 6.6   | 6.6   | 6.6   | 6.6   |
| 57.5° | 5.4   | 5.6   | 5.6   | 5.6   | 5.6   |
| 60°   | 4.6   | 4.6   | 4.6   | 4.9   | 4.9   |
| 62.5° | 3.9   | 4.1   | 4.1   | 4.1   | 4.1   |
| 65°   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   |
| 67.5° | 2.9   | 2.9   | 2.9   | 2.9   | 3.2   |
| 70°   | 2.4   | 2.4   | 2.7   | 2.7   | 2.7   |
| 72.5° | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 75°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 77.5° | 1.2   | 1.2   | 1.5   | 1.5   | 1.2   |
| 80°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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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)