

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: P1307473

Luminaire Tested: P3SQAS02R159030DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R159030DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

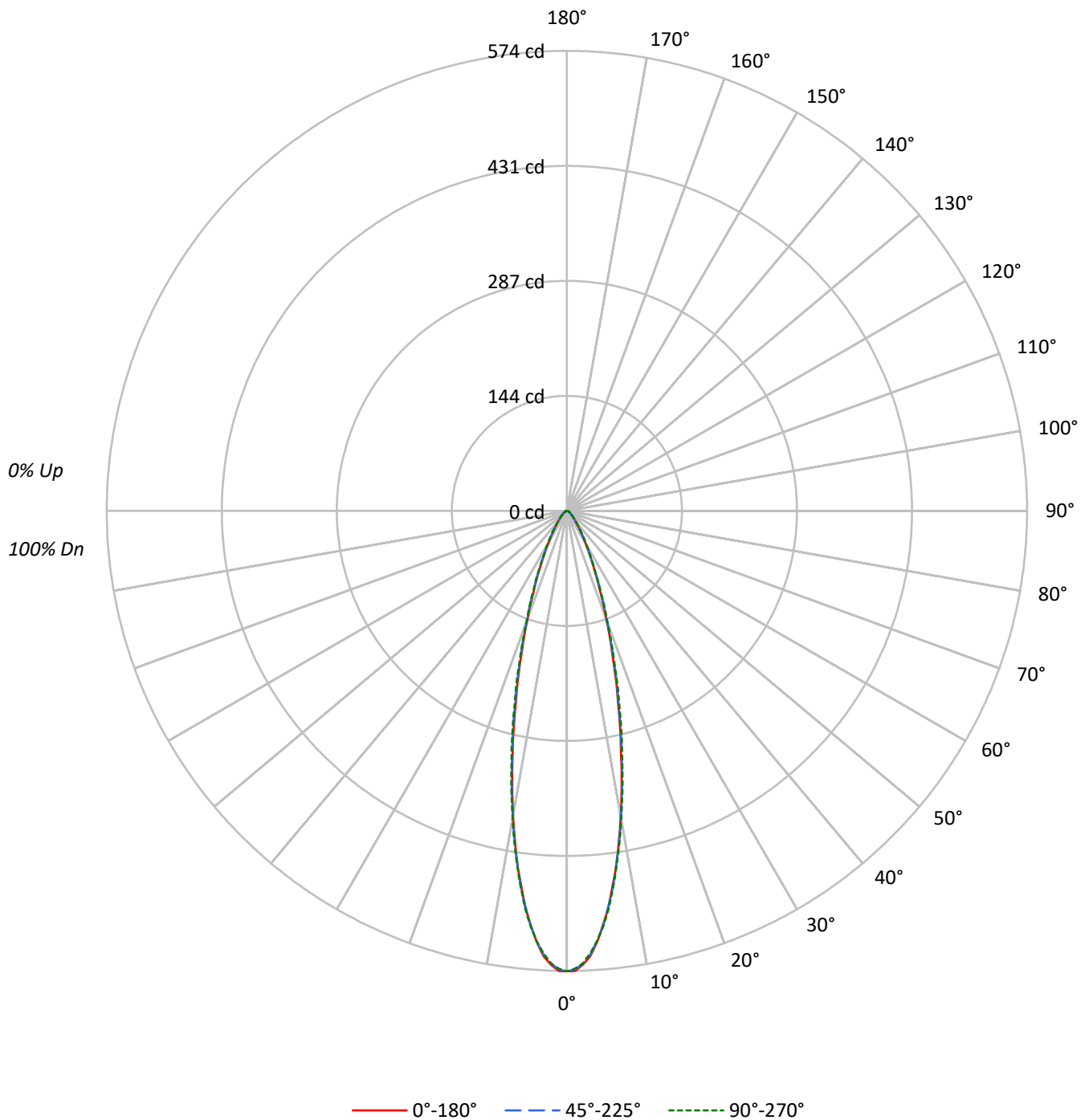
Lumens per Lamp: N/A  
Luminaire Lumens: 190.0 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 97  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  |  | 74  | 71  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 98942 | 98942 | 98942 |
| 5°  | 89621 | 89794 | 89915 |
| 10° | 67661 | 67836 | 68185 |
| 15° | 43897 | 44361 | 45234 |
| 20° | 26428 | 26740 | 27088 |
| 25° | 15430 | 15753 | 16000 |
| 30° | 9068  | 9367  | 9506  |
| 35° | 5593  | 5803  | 5908  |
| 40° | 3665  | 3777  | 3844  |
| 45° | 2557  | 2606  | 2679  |
| 50° | 1902  | 1956  | 2036  |
| 55° | 1531  | 1621  | 1621  |
| 60° | 1343  | 1343  | 1343  |
| 65° | 1182  | 1182  | 1182  |
| 70° | 1007  | 1108  | 1108  |
| 75° | 998   | 998   | 998   |
| 80° | 694   | 992   | 992   |
| 85° | 395   | 395   | 395   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2679 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.3   | 23.8      |
| 10°-20°   | 69.2   | 36.4      |
| 20°-30°   | 39.3   | 20.7      |
| 30°-40°   | 17.9   | 9.4       |
| 40°-50°   | 8.6    | 4.5       |
| 50°-60°   | 4.8    | 2.5       |
| 60°-70°   | 2.9    | 1.5       |
| 70°-80°   | 1.6    | 0.8       |
| 80°-90°   | 0.3    | 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°    | 153.8  | 80.9      |
| 0°-40°    | 171.7  | 90.4      |
| 0°-60°    | 185.1  | 97.5      |
| 0°-90°    | 190.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 190.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 574 | 574   | 574 | 574   | 574 |      |
| 5°  | 518 | 518   | 519 | 519   | 520 | 45   |
| 15° | 246 | 247   | 249 | 252   | 254 | 68   |
| 25° | 81  | 81    | 83  | 84    | 84  | 39   |
| 35° | 27  | 27    | 28  | 28    | 28  | 17   |
| 45° | 10  | 10    | 11  | 11    | 11  | 8    |
| 55° | 5   | 5     | 5   | 5     | 5   | 5    |
| 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°    | 574.5 | 574.5 | 574.5 | 574.5 | 574.5 |
| 1°    | 574.1 | 572.6 | 572.1 | 571.9 | 571.4 |
| 2°    | 566.7 | 565.5 | 565.3 | 565.3 | 565.0 |
| 3°    | 556.5 | 554.3 | 554.5 | 553.8 | 553.1 |
| 4°    | 539.2 | 538.2 | 538.7 | 539.2 | 538.2 |
| 5°    | 518.4 | 518.2 | 519.4 | 519.4 | 520.1 |
| 6°    | 497.0 | 496.7 | 496.0 | 497.9 | 498.9 |
| 7°    | 469.6 | 471.1 | 473.1 | 472.1 | 472.8 |
| 8°    | 444.8 | 443.0 | 443.8 | 446.2 | 446.5 |
| 9°    | 415.5 | 414.3 | 417.4 | 418.4 | 418.7 |
| 10°   | 386.9 | 388.2 | 387.9 | 391.3 | 389.9 |
| 12.5° | 312.5 | 314.5 | 316.7 | 318.1 | 319.6 |
| 15°   | 246.2 | 247.4 | 248.8 | 252.3 | 253.7 |
| 17.5° | 189.3 | 190.8 | 192.2 | 195.2 | 195.7 |
| 20°   | 144.2 | 144.9 | 145.9 | 148.6 | 147.8 |
| 22.5° | 107.8 | 109.1 | 110.0 | 111.2 | 112.0 |
| 25°   | 81.2  | 81.2  | 82.9  | 83.7  | 84.2  |
| 27.5° | 60.5  | 61.0  | 62.2  | 63.2  | 62.9  |
| 30°   | 45.6  | 46.4  | 47.1  | 47.6  | 47.8  |
| 32.5° | 35.1  | 35.1  | 35.9  | 36.6  | 36.8  |
| 35°   | 26.6  | 27.1  | 27.6  | 28.1  | 28.1  |
| 37.5° | 20.7  | 21.0  | 21.5  | 21.7  | 21.7  |
| 40°   | 16.3  | 16.3  | 16.8  | 17.1  | 17.1  |
| 42.5° | 12.9  | 13.2  | 13.4  | 13.7  | 13.7  |
| 45°   | 10.5  | 10.5  | 10.7  | 11.0  | 11.0  |
| 47.5° | 8.5   | 8.5   | 8.8   | 9.0   | 9.0   |
| 50°   | 7.1   | 7.3   | 7.3   | 7.6   | 7.6   |
| 52.5° | 6.1   | 6.1   | 6.1   | 6.3   | 6.3   |
| 55°   | 5.1   | 5.1   | 5.4   | 5.4   | 5.4   |
| 57.5° | 4.4   | 4.4   | 4.4   | 4.6   | 4.6   |
| 60°   | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 62.5° | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   |
| 65°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 67.5° | 2.4   | 2.4   | 2.4   | 2.7   | 2.7   |
| 70°   | 2.0   | 2.2   | 2.2   | 2.2   | 2.2   |
| 72.5° | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 75°   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 77.5° | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 80°   | 0.7   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)