

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: P1315809

Luminaire Tested: P3SQAS02R309827DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R309827DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

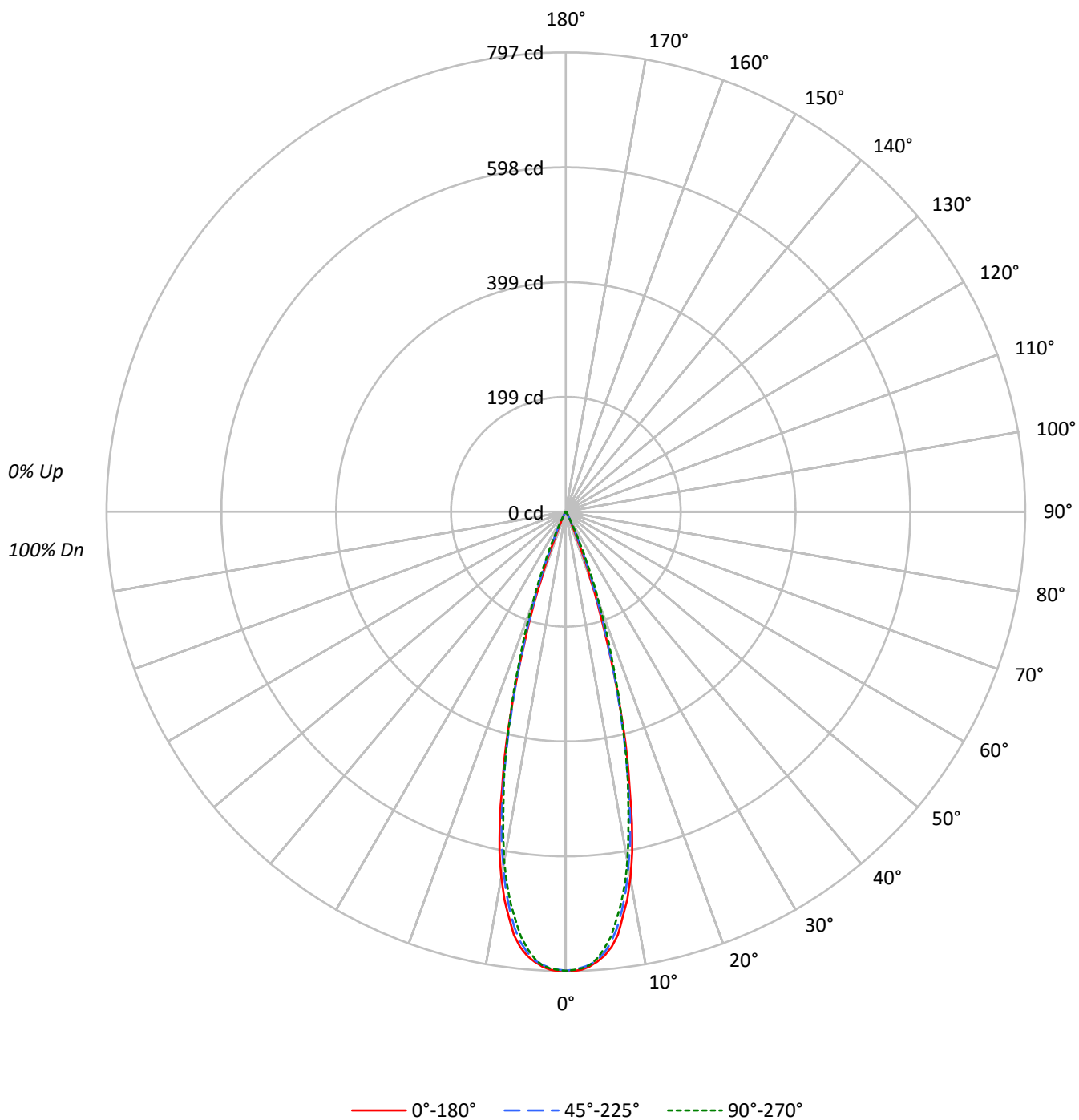
Lumens per Lamp: N/A  
Luminaire Lumens: 193.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 89  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 137175 | 137175 | 137175 |
| 5°  | 133654 | 132720 | 131631 |
| 10° | 112780 | 109317 | 107551 |
| 15° | 67967  | 66077  | 67290  |
| 20° | 23056  | 26630  | 30717  |
| 25° | 4238   | 6632   | 7848   |
| 30° | 1452   | 1631   | 1830   |
| 35° | 420    | 526    | 568    |
| 40° | 112    | 180    | 157    |
| 45° | 49     | 49     | 49     |
| 50° | 54     | 0      | 54     |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 52.5°  
Luminance: 57 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.9   | 35.7      |
| 10°-20°   | 100.7  | 52.2      |
| 20°-30°   | 21.3   | 11.0      |
| 30°-40°   | 2.0    | 1.0       |
| 40°-50°   | 0.2    | 0.1       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 190.8  | 98.9      |
| 0°-40°    | 192.8  | 99.9      |
| 0°-60°    | 193.0  | 100.0     |
| 0°-90°    | 193.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 193.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 796 | 796   | 796 | 796   | 796 |      |
| 5°  | 773 | 772   | 768 | 765   | 761 | 70   |
| 15° | 381 | 380   | 371 | 379   | 377 | 101  |
| 25° | 22  | 25    | 35  | 41    | 41  | 16   |
| 35° | 2   | 2     | 2   | 3     | 3   | 2    |
| 45° | 0   | 0     | 0   | 0     | 0   | 0    |
| 55° | 0   | 0     | 0   | 0     | 0   | 0    |
| 65° | 0   | 0     | 0   | 0     | 0   | 0    |
| 75° | 0   | 0     | 0   | 0     | 0   | 0    |
| 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°    | 796.5 | 796.5 | 796.5 | 796.5 | 796.5 |
| 1°    | 796.7 | 795.9 | 794.7 | 796.4 | 795.2 |
| 2°    | 795.0 | 793.0 | 791.4 | 793.0 | 792.5 |
| 3°    | 790.0 | 788.4 | 787.2 | 788.0 | 788.0 |
| 4°    | 782.5 | 780.7 | 779.7 | 779.9 | 777.4 |
| 5°    | 773.1 | 771.6 | 767.7 | 765.4 | 761.4 |
| 6°    | 759.1 | 755.4 | 750.8 | 746.9 | 741.8 |
| 7°    | 740.1 | 734.5 | 727.8 | 721.1 | 714.7 |
| 8°    | 709.7 | 707.0 | 698.0 | 693.5 | 687.0 |
| 9°    | 681.0 | 674.6 | 664.9 | 657.6 | 654.1 |
| 10°   | 644.9 | 635.3 | 625.1 | 619.3 | 615.0 |
| 11°   | 602.2 | 592.4 | 584.2 | 575.7 | 569.1 |
| 12°   | 551.9 | 543.6 | 534.3 | 528.6 | 520.8 |
| 13°   | 492.4 | 491.2 | 480.7 | 478.9 | 477.9 |
| 14°   | 441.3 | 436.6 | 426.3 | 429.1 | 429.8 |
| 15°   | 381.2 | 379.9 | 370.6 | 379.2 | 377.4 |
| 17.5° | 238.8 | 239.3 | 245.1 | 258.7 | 263.1 |
| 20°   | 125.8 | 129.6 | 145.3 | 161.7 | 167.6 |
| 22.5° | 50.9  | 59.4  | 75.4  | 86.5  | 94.0  |
| 25°   | 22.3  | 25.0  | 34.9  | 41.1  | 41.3  |
| 27.5° | 12.6  | 12.8  | 16.8  | 17.5  | 17.8  |
| 30°   | 7.3   | 7.5   | 8.2   | 8.7   | 9.2   |
| 32.5° | 4.0   | 4.3   | 4.5   | 5.2   | 5.2   |
| 35°   | 2.0   | 2.5   | 2.5   | 3.0   | 2.7   |
| 37.5° | 1.2   | 1.3   | 1.5   | 1.5   | 1.3   |
| 40°   | 0.5   | 0.7   | 0.8   | 0.8   | 0.7   |
| 42.5° | 0.2   | 0.3   | 0.3   | 0.3   | 0.5   |
| 45°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 47.5° | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   |
| 50°   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 52.5° | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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)