

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: P1306035

Luminaire Tested: P3SQASS17R159024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306035  
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: P3SQASS17R159024DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

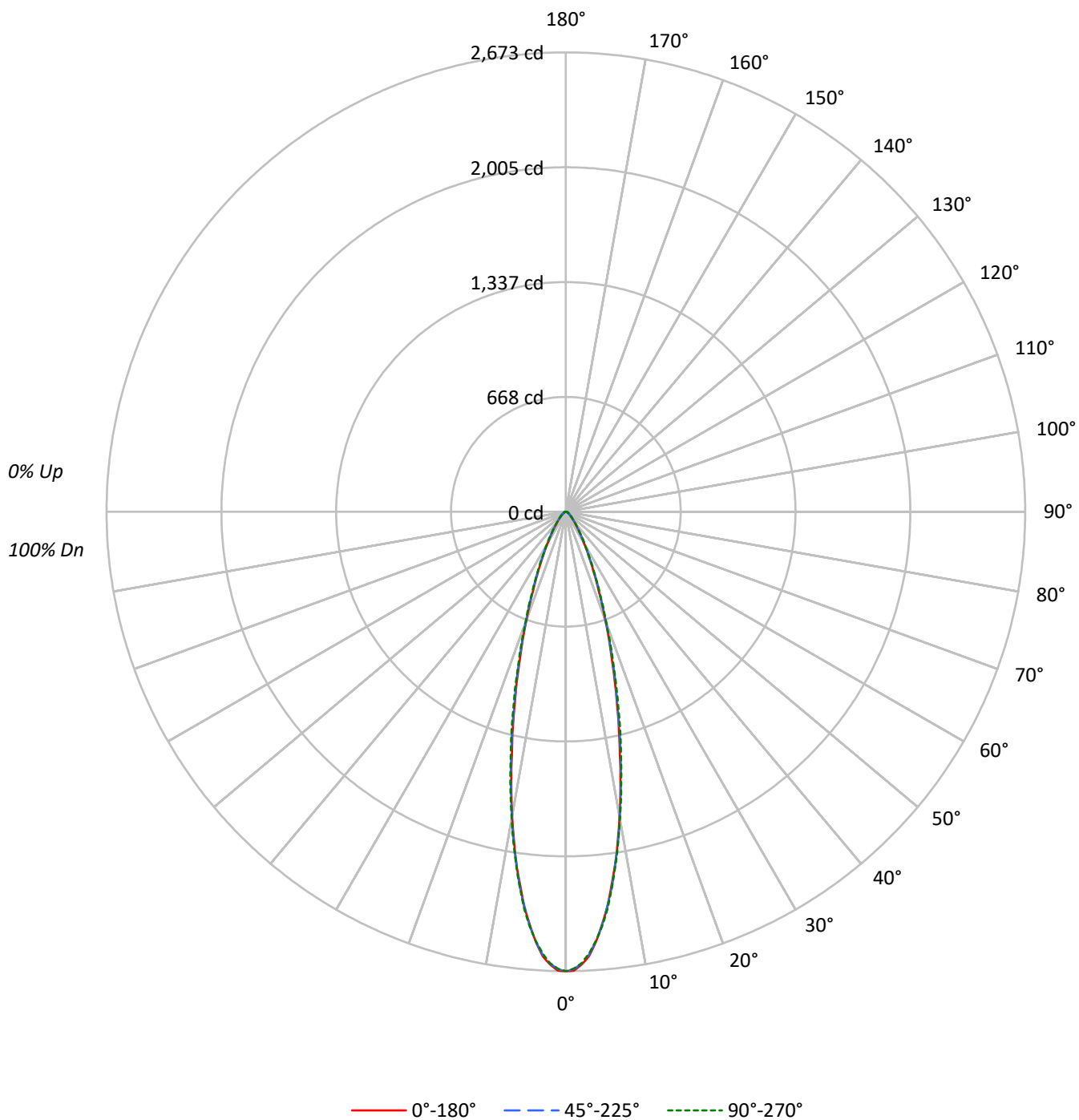
Lumens per Lamp: N/A  
Luminaire Lumens: 884.0 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 94  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 90  | 90  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  | 92  | 89  | 87  | 90  | 87  | 85  | 85  | 85  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 78  | 83  | 79  | 77  | 77  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  | 81  | 77  | 74  | 79  | 76  | 73  | 73  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 70  | 70  | 70  | 69  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 74  | 70  | 67  | 67  | 67  | 66  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 65  | 65  | 64  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 460386 | 460386 | 460386 |
| 5°  | 417005 | 417783 | 418371 |
| 10° | 314835 | 315622 | 317214 |
| 15° | 204205 | 206433 | 210481 |
| 20° | 122941 | 124407 | 126075 |
| 25° | 71830  | 73331  | 74414  |
| 30° | 42219  | 43571  | 44248  |
| 35° | 26007  | 26974  | 27437  |
| 40° | 17109  | 17603  | 17873  |
| 45° | 11886  | 12154  | 12446  |
| 50° | 8815   | 9136   | 9431   |
| 55° | 7146   | 7507   | 7507   |
| 60° | 6269   | 6269   | 6269   |
| 65° | 5542   | 5542   | 5542   |
| 70° | 4582   | 5136   | 5136   |
| 75° | 4525   | 4525   | 4525   |
| 80° | 3372   | 4463   | 4463   |
| 85° | 2174   | 2174   | 2174   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12446 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 210.6  | 23.8      |
| 10°-20°   | 322.0  | 36.4      |
| 20°-30°   | 183.0  | 20.7      |
| 30°-40°   | 83.5   | 9.4       |
| 40°-50°   | 40.1   | 4.5       |
| 50°-60°   | 22.4   | 2.5       |
| 60°-70°   | 13.7   | 1.6       |
| 70°-80°   | 7.3    | 0.8       |
| 80°-90°   | 1.6    | 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°    | 715.5  | 80.9      |
| 0°-40°    | 799.0  | 90.4      |
| 0°-60°    | 861.5  | 97.4      |
| 0°-90°    | 884.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 884.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2673 | 2673  | 2673 | 2673  | 2673 |      |
| 5°  | 2412 | 2411  | 2417 | 2417  | 2420 | 210  |
| 15° | 1145 | 1151  | 1158 | 1174  | 1180 | 318  |
| 25° | 378  | 378   | 386  | 389   | 392  | 179  |
| 35° | 124  | 126   | 128  | 130   | 130  | 81   |
| 45° | 49   | 49    | 50   | 51    | 51   | 39   |
| 55° | 24   | 24    | 25   | 25    | 25   | 22   |
| 65° | 14   | 14    | 14   | 14    | 14   | 13   |
| 75° | 7    | 7     | 7    | 7     | 7    | 7    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2673.2 | 2673.2 | 2673.2 | 2673.2 | 2673.2 |
| 1°    | 2670.9 | 2664.1 | 2661.8 | 2660.7 | 2658.4 |
| 2°    | 2636.8 | 2631.2 | 2630.0 | 2630.0 | 2628.9 |
| 3°    | 2589.2 | 2578.9 | 2580.1 | 2576.7 | 2573.3 |
| 4°    | 2508.6 | 2504.0 | 2506.3 | 2508.6 | 2504.0 |
| 5°    | 2412.1 | 2411.0 | 2416.6 | 2416.6 | 2420.0 |
| 6°    | 2312.2 | 2311.1 | 2307.7 | 2316.7 | 2321.3 |
| 7°    | 2185.1 | 2191.9 | 2201.0 | 2196.4 | 2199.8 |
| 8°    | 2069.3 | 2061.3 | 2064.7 | 2076.1 | 2077.2 |
| 9°    | 1933.1 | 1927.4 | 1942.2 | 1946.7 | 1947.8 |
| 10°   | 1800.3 | 1805.9 | 1804.8 | 1820.7 | 1813.9 |
| 12.5° | 1454.1 | 1463.1 | 1473.4 | 1480.2 | 1487.0 |
| 15°   | 1145.3 | 1151.0 | 1157.8 | 1173.7 | 1180.5 |
| 17.5° | 880.8  | 887.6  | 894.5  | 908.1  | 910.3  |
| 20°   | 670.8  | 674.2  | 678.8  | 691.3  | 687.9  |
| 22.5° | 501.7  | 507.4  | 511.9  | 517.6  | 521.0  |
| 25°   | 378.0  | 378.0  | 385.9  | 389.3  | 391.6  |
| 27.5° | 281.5  | 283.8  | 289.5  | 294.0  | 292.9  |
| 30°   | 212.3  | 215.7  | 219.1  | 221.3  | 222.5  |
| 32.5° | 163.5  | 163.5  | 166.9  | 170.3  | 171.4  |
| 35°   | 123.7  | 126.0  | 128.3  | 130.5  | 130.5  |
| 37.5° | 96.5   | 97.6   | 99.9   | 101.0  | 101.0  |
| 40°   | 76.1   | 76.1   | 78.3   | 79.5   | 79.5   |
| 42.5° | 60.2   | 61.3   | 62.4   | 63.6   | 63.6   |
| 45°   | 48.8   | 48.8   | 49.9   | 51.1   | 51.1   |
| 47.5° | 39.7   | 39.7   | 40.9   | 42.0   | 42.0   |
| 50°   | 32.9   | 34.1   | 34.1   | 35.2   | 35.2   |
| 52.5° | 28.4   | 28.4   | 28.4   | 29.5   | 29.5   |
| 55°   | 23.8   | 23.8   | 25.0   | 25.0   | 25.0   |
| 57.5° | 20.4   | 20.4   | 20.4   | 21.6   | 21.6   |
| 60°   | 18.2   | 18.2   | 18.2   | 18.2   | 18.2   |
| 62.5° | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   |
| 65°   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 67.5° | 11.4   | 11.4   | 11.4   | 12.5   | 12.5   |
| 70°   | 9.1    | 10.2   | 10.2   | 10.2   | 10.2   |
| 72.5° | 7.9    | 7.9    | 7.9    | 7.9    | 7.9    |
| 75°   | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    |
| 77.5° | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 80°   | 3.4    | 4.5    | 4.5    | 4.5    | 4.5    |
| 82.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 85°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)