

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: P1316356

Luminaire Tested: P3SQAS17R209827DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209827DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

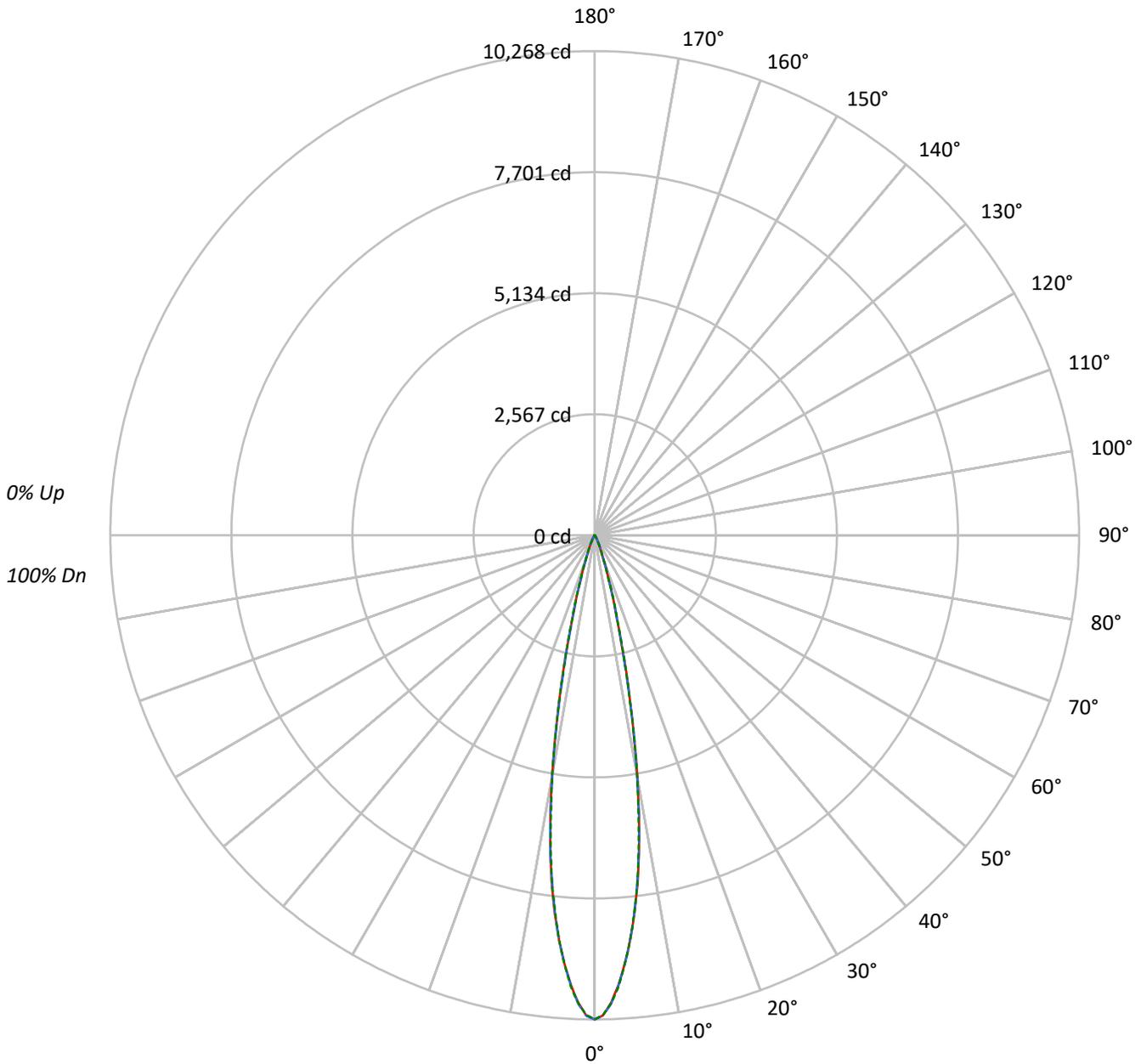
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1415.0 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 | 100 |
| 1   | 116 | 114 | 112 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 99  | 98  | 98  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 97  | 96  | 95  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  | 99  | 97  | 96  | 97  | 96  | 94  | 97  | 96  | 93  |
| 4   | 107 | 102 | 98  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 92  | 96  | 94  | 91  |
| 5   | 104 | 99  | 95  | 93  | 103 | 98  | 95  | 92  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 94  | 92  | 89  |
| 6   | 102 | 96  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 90  | 87  |
| 7   | 100 | 94  | 90  | 88  | 99  | 94  | 90  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 91  | 88  | 86  |
| 8   | 97  | 92  | 88  | 86  | 97  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 89  | 87  | 84  |
| 9   | 96  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 83  | 88  | 85  | 83  |
| 10  | 94  | 88  | 85  | 83  | 93  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 86  | 84  | 81  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1768399 | 1768399 | 1768399 |
| 5°  | 1490489 | 1491060 | 1490299 |
| 10° | 908271  | 904057  | 906173  |
| 15° | 319938  | 321293  | 331260  |
| 20° | 100527  | 103331  | 101131  |
| 25° | 37663   | 41198   | 38689   |
| 30° | 14597   | 20682   | 15233   |
| 35° | 5529    | 9209    | 5992    |
| 40° | 2945    | 3934    | 2945    |
| 45° | 1072    | 1875    | 1340    |
| 50° | 589     | 884     | 589     |
| 55° | 661     | 661     | 661     |
| 60° | 379     | 379     | 379     |
| 65° | 448     | 448     | 448     |
| 70° | 554     | 554     | 554     |
| 75° | 0       | 0       | 732     |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1875 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 712.8  | 50.4      |
| 10°-20°   | 558.9  | 39.5      |
| 20°-30°   | 109.8  | 7.8       |
| 30°-40°   | 24.6   | 1.7       |
| 40°-50°   | 5.6    | 0.4       |
| 50°-60°   | 1.8    | 0.1       |
| 60°-70°   | 1.1    | 0.1       |
| 70°-80°   | 0.5    | 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       |
| 0°-30°    | 1381.4 | 97.6      |
| 0°-40°    | 1406.1 | 99.4      |
| 0°-60°    | 1413.5 | 99.9      |
| 0°-90°    | 1415.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1415.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10268 | 10268 | 10268 | 10268 | 10268 |      |
| 5°  | 8622  | 8629  | 8625  | 8654  | 8620  | 714  |
| 15° | 1794  | 1802  | 1802  | 1841  | 1858  | 558  |
| 25° | 198   | 211   | 217   | 214   | 204   | 104  |
| 35° | 26    | 32    | 44    | 32    | 28    | 20   |
| 45° | 4     | 7     | 8     | 7     | 6     | 4    |
| 55° | 2     | 2     | 2     | 2     | 2     | 2    |
| 65° | 1     | 1     | 1     | 1     | 1     | 1    |
| 75° | 0     | 0     | 0     | 0     | 1     | 0    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 10268.1 | 10268.1 | 10268.1 | 10268.1 | 10268.1 |
| 1°    | 10184.9 | 10163.0 | 10188.1 | 10168.4 | 10172.8 |
| 2°    | 9921.0  | 9909.0  | 9941.8  | 9921.0  | 9932.0  |
| 3°    | 9554.3  | 9538.9  | 9563.0  | 9564.1  | 9594.8  |
| 4°    | 9116.3  | 9086.8  | 9122.9  | 9124.0  | 9129.5  |
| 5°    | 8621.5  | 8629.2  | 8624.8  | 8654.3  | 8620.4  |
| 6°    | 8065.3  | 8090.5  | 8057.7  | 8074.1  | 8027.0  |
| 7°    | 7443.5  | 7411.8  | 7395.3  | 7400.8  | 7433.6  |
| 8°    | 6757.1  | 6735.2  | 6759.3  | 6725.3  | 6702.3  |
| 9°    | 5994.0  | 5955.7  | 5982.0  | 5949.1  | 5916.3  |
| 10°   | 5193.7  | 5176.2  | 5169.6  | 5132.4  | 5181.7  |
| 11°   | 4391.2  | 4338.7  | 4364.9  | 4346.3  | 4400.0  |
| 12°   | 3640.2  | 3644.6  | 3593.1  | 3609.5  | 3616.1  |
| 13°   | 2962.5  | 2892.4  | 2901.2  | 2946.1  | 2953.8  |
| 14°   | 2298.0  | 2307.8  | 2311.1  | 2342.9  | 2361.5  |
| 15°   | 1794.4  | 1802.0  | 1802.0  | 1841.4  | 1857.9  |
| 17.5° | 962.3   | 962.3   | 983.1   | 987.5   | 989.7   |
| 20°   | 548.5   | 551.8   | 563.8   | 562.7   | 551.8   |
| 22.5° | 328.4   | 335.0   | 341.6   | 335.0   | 328.4   |
| 25°   | 198.2   | 211.3   | 216.8   | 213.5   | 203.6   |
| 27.5° | 118.2   | 132.5   | 147.8   | 135.8   | 117.1   |
| 30°   | 73.4    | 81.0    | 104.0   | 83.2    | 76.6    |
| 32.5° | 40.5    | 52.6    | 71.2    | 54.7    | 41.6    |
| 35°   | 26.3    | 31.7    | 43.8    | 31.7    | 28.5    |
| 37.5° | 18.6    | 21.9    | 27.4    | 23.0    | 19.7    |
| 40°   | 13.1    | 15.3    | 17.5    | 16.4    | 13.1    |
| 42.5° | 8.8     | 10.9    | 12.0    | 10.9    | 8.8     |
| 45°   | 4.4     | 6.6     | 7.7     | 6.6     | 5.5     |
| 47.5° | 2.2     | 3.3     | 5.5     | 3.3     | 2.2     |
| 50°   | 2.2     | 2.2     | 3.3     | 2.2     | 2.2     |
| 52.5° | 2.2     | 2.2     | 2.2     | 2.2     | 2.2     |
| 55°   | 2.2     | 2.2     | 2.2     | 2.2     | 2.2     |
| 57.5° | 2.2     | 2.2     | 1.1     | 2.2     | 1.1     |
| 60°   | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 62.5° | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 65°   | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 67.5° | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 70°   | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 72.5° | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 1.1     |
| 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)