

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: P1307054

Luminaire Tested: P3SQAS17R309027DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307054  
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: P3SQAS17R309027DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

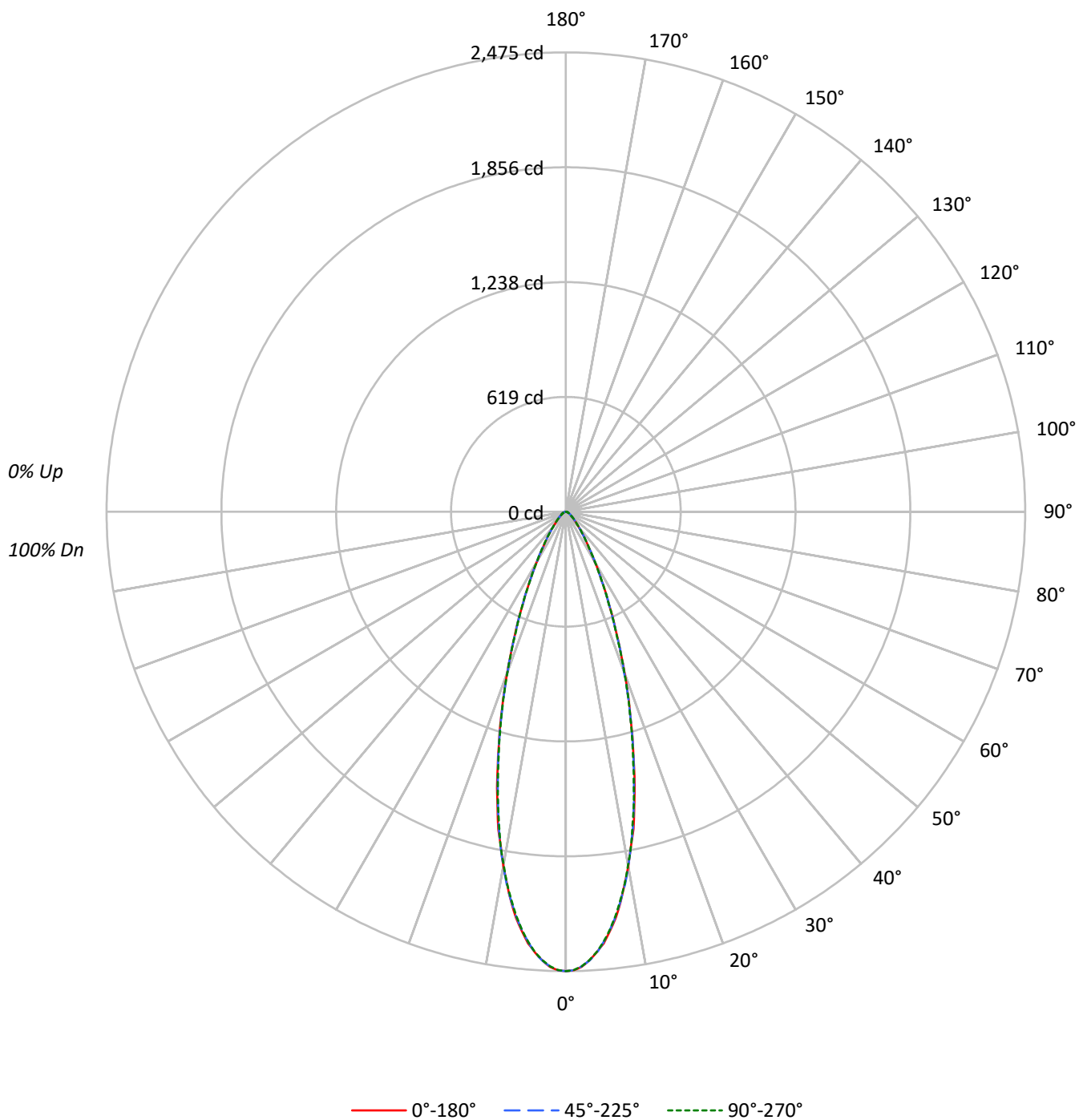
Lumens per Lamp: N/A  
Luminaire Lumens: 1087.0 lumens  
Efficiency: N/A  
Efficacy: 51.3 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |
| 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  | 95  | 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   | 90  | 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°  | 426268 | 426268 | 426268 |
| 5°  | 403572 | 402535 | 402328 |
| 10° | 339039 | 339039 | 337780 |
| 15° | 252595 | 251953 | 250455 |
| 20° | 169072 | 168174 | 168394 |
| 25° | 104211 | 103983 | 104439 |
| 30° | 62663  | 62663  | 62901  |
| 35° | 38433  | 38433  | 38685  |
| 40° | 24326  | 24326  | 24865  |
| 45° | 16708  | 17000  | 17000  |
| 50° | 12244  | 12244  | 12244  |
| 55° | 9398   | 9758   | 9758   |
| 60° | 7888   | 7888   | 8301   |
| 65° | 6846   | 6846   | 6846   |
| 70° | 6043   | 6647   | 6647   |
| 75° | 5590   | 5590   | 5590   |
| 80° | 4761   | 4761   | 4761   |
| 85° | 2371   | 2371   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 17000 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 209.8  | 19.3      |
| 10°-20°   | 387.4  | 35.6      |
| 20°-30°   | 257.5  | 23.7      |
| 30°-40°   | 119.0  | 11.0      |
| 40°-50°   | 55.3   | 5.1       |
| 50°-60°   | 29.6   | 2.7       |
| 60°-70°   | 17.2   | 1.6       |
| 70°-80°   | 9.1    | 0.8       |
| 80°-90°   | 2.0    | 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°    | 854.8  | 78.6      |
| 0°-40°    | 973.8  | 89.6      |
| 0°-60°    | 1058.7 | 97.4      |
| 0°-90°    | 1087.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1087.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2475 | 2475  | 2475 | 2475  | 2475 |      |
| 5°  | 2334 | 2330  | 2328 | 2334  | 2327 | 210  |
| 15° | 1417 | 1422  | 1413 | 1413  | 1405 | 389  |
| 25° | 548  | 547   | 547  | 547   | 550  | 258  |
| 35° | 183  | 182   | 183  | 184   | 184  | 118  |
| 45° | 69   | 69    | 70   | 70    | 70   | 55   |
| 55° | 31   | 32    | 32   | 32    | 32   | 29   |
| 65° | 17   | 17    | 17   | 17    | 17   | 17   |
| 75° | 8    | 8     | 8    | 8     | 8    | 9    |
| 85° | 1    | 1     | 1    | 1     | 1    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2475.1 | 2475.1 | 2475.1 | 2475.1 | 2475.1 |
| 1°    | 2470.3 | 2467.9 | 2470.3 | 2473.9 | 2469.1 |
| 2°    | 2453.5 | 2451.0 | 2451.0 | 2455.9 | 2451.0 |
| 3°    | 2421.0 | 2423.4 | 2422.2 | 2427.0 | 2418.6 |
| 4°    | 2380.1 | 2378.9 | 2383.7 | 2386.1 | 2378.9 |
| 5°    | 2334.4 | 2329.6 | 2328.4 | 2334.4 | 2327.2 |
| 6°    | 2271.9 | 2268.2 | 2265.8 | 2273.1 | 2263.4 |
| 7°    | 2204.5 | 2202.1 | 2198.5 | 2200.9 | 2193.7 |
| 8°    | 2121.5 | 2120.3 | 2117.9 | 2120.3 | 2111.9 |
| 9°    | 2028.9 | 2028.9 | 2033.7 | 2032.5 | 2027.7 |
| 10°   | 1938.7 | 1941.1 | 1938.7 | 1941.1 | 1931.5 |
| 11°   | 1837.7 | 1837.7 | 1840.1 | 1838.9 | 1840.1 |
| 12°   | 1749.9 | 1740.3 | 1737.9 | 1735.5 | 1728.2 |
| 13°   | 1636.8 | 1629.6 | 1627.2 | 1629.6 | 1626.0 |
| 14°   | 1533.4 | 1528.6 | 1516.6 | 1519.0 | 1514.2 |
| 15°   | 1416.7 | 1421.6 | 1413.1 | 1413.1 | 1404.7 |
| 17.5° | 1158.2 | 1153.4 | 1155.8 | 1157.0 | 1153.4 |
| 20°   | 922.5  | 920.0  | 917.6  | 915.2  | 918.8  |
| 22.5° | 716.8  | 718.0  | 715.6  | 713.2  | 710.8  |
| 25°   | 548.4  | 547.2  | 547.2  | 547.2  | 549.6  |
| 27.5° | 416.1  | 416.1  | 416.1  | 417.3  | 417.3  |
| 30°   | 315.1  | 312.7  | 315.1  | 316.3  | 316.3  |
| 32.5° | 235.7  | 238.1  | 239.3  | 239.3  | 239.3  |
| 35°   | 182.8  | 181.6  | 182.8  | 184.0  | 184.0  |
| 37.5° | 139.5  | 139.5  | 140.7  | 140.7  | 141.9  |
| 40°   | 108.2  | 108.2  | 108.2  | 109.4  | 110.6  |
| 42.5° | 85.4   | 85.4   | 86.6   | 86.6   | 87.8   |
| 45°   | 68.6   | 68.6   | 69.8   | 69.8   | 69.8   |
| 47.5° | 55.3   | 55.3   | 56.5   | 56.5   | 56.5   |
| 50°   | 45.7   | 45.7   | 45.7   | 45.7   | 45.7   |
| 52.5° | 38.5   | 37.3   | 38.5   | 38.5   | 38.5   |
| 55°   | 31.3   | 32.5   | 32.5   | 32.5   | 32.5   |
| 57.5° | 26.5   | 27.7   | 27.7   | 27.7   | 27.7   |
| 60°   | 22.9   | 22.9   | 22.9   | 24.1   | 24.1   |
| 62.5° | 19.2   | 20.4   | 20.4   | 20.4   | 20.4   |
| 65°   | 16.8   | 16.8   | 16.8   | 16.8   | 16.8   |
| 67.5° | 14.4   | 14.4   | 14.4   | 14.4   | 15.6   |
| 70°   | 12.0   | 12.0   | 13.2   | 13.2   | 13.2   |
| 72.5° | 10.8   | 10.8   | 10.8   | 10.8   | 10.8   |
| 75°   | 8.4    | 8.4    | 8.4    | 8.4    | 8.4    |
| 77.5° | 6.0    | 6.0    | 7.2    | 7.2    | 6.0    |
| 80°   | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    |
| 82.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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)