

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: P1311502

Luminaire Tested: P3SQAS17R359050DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R359050DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

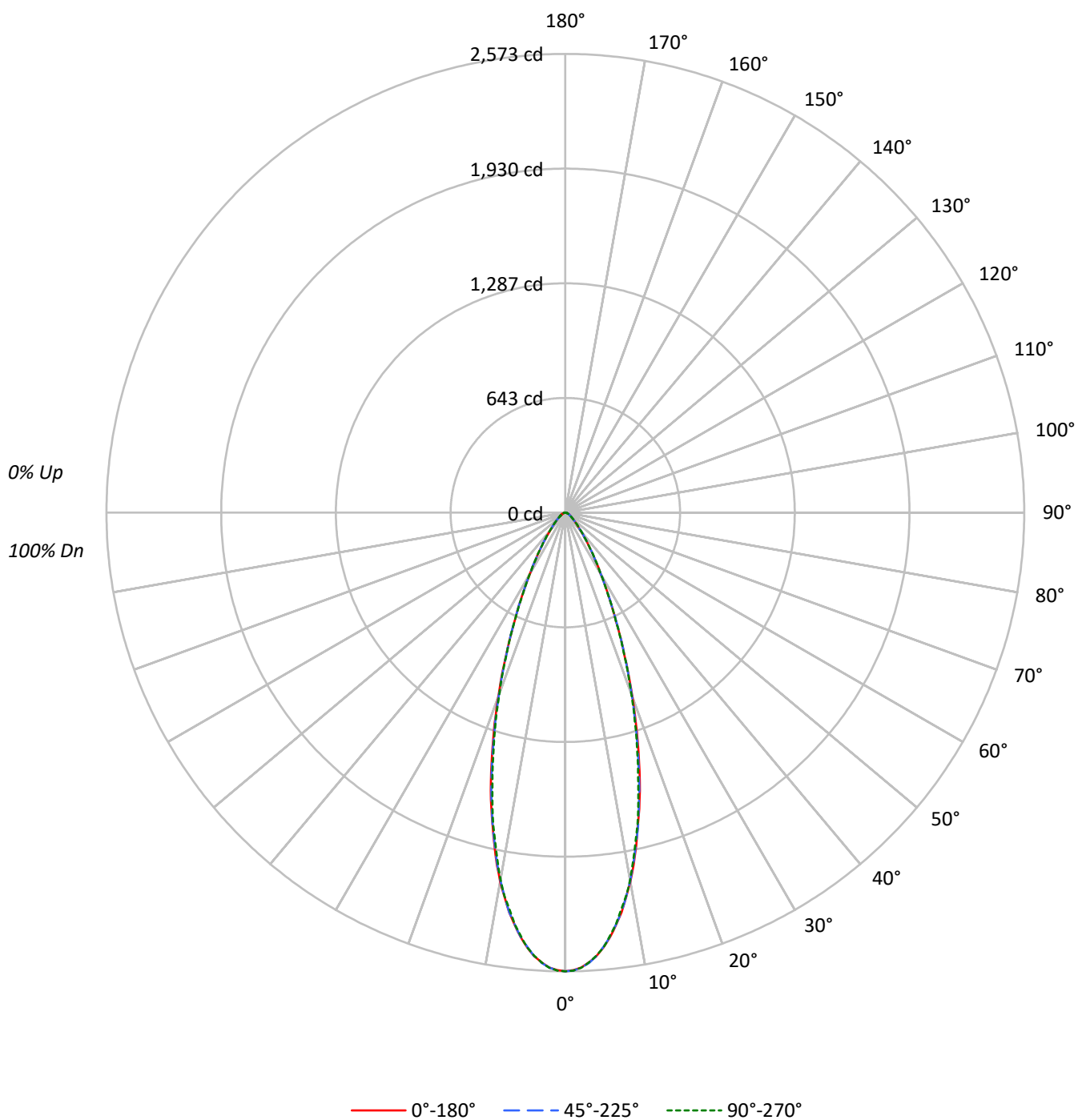
Lumens per Lamp: N/A  
Luminaire Lumens: 1269.0 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 443146 | 443146 | 443146 |
| 5°  | 423454 | 422727 | 423454 |
| 10° | 367614 | 366390 | 365900 |
| 15° | 288058 | 285794 | 281283 |
| 20° | 201530 | 199715 | 198432 |
| 25° | 127983 | 128781 | 127983 |
| 30° | 78850  | 79407  | 78850  |
| 35° | 48777  | 49071  | 49071  |
| 40° | 30980  | 31295  | 31295  |
| 45° | 20897  | 21238  | 21579  |
| 50° | 15058  | 15433  | 15433  |
| 55° | 11830  | 11830  | 11830  |
| 60° | 9679   | 9679   | 9679   |
| 65° | 8599   | 8599   | 8599   |
| 70° | 7805   | 7805   | 7805   |
| 75° | 6521   | 6521   | 6521   |
| 80° | 5554   | 5554   | 5554   |
| 85° | 2766   | 2766   | 5533   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21579 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 222.4  | 17.5      |
| 10°-20°   | 437.8  | 34.5      |
| 20°-30°   | 315.9  | 24.9      |
| 30°-40°   | 152.3  | 12.0      |
| 40°-50°   | 70.2   | 5.5       |
| 50°-60°   | 36.3   | 2.9       |
| 60°-70°   | 21.0   | 1.7       |
| 70°-80°   | 10.6   | 0.8       |
| 80°-90°   | 2.5    | 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°    | 976.1  | 76.9      |
| 0°-40°    | 1128.4 | 88.9      |
| 0°-60°    | 1234.9 | 97.3      |
| 0°-90°    | 1269.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1269.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2573 | 2573  | 2573 | 2573  | 2573 |      |
| 5°  | 2449 | 2455  | 2445 | 2447  | 2449 | 223  |
| 15° | 1616 | 1613  | 1603 | 1596  | 1578 | 441  |
| 25° | 674  | 675   | 678  | 678   | 674  | 316  |
| 35° | 232  | 232   | 233  | 233   | 233  | 151  |
| 45° | 86   | 87    | 87   | 89    | 89   | 69   |
| 55° | 39   | 39    | 39   | 39    | 39   | 36   |
| 65° | 21   | 21    | 21   | 21    | 21   | 21   |
| 75° | 10   | 10    | 10   | 10    | 10   | 11   |
| 85° | 1    | 1     | 1    | 1     | 3    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2573.1 | 2573.1 | 2573.1 | 2573.1 | 2573.1 |
| 1°    | 2566.1 | 2570.3 | 2568.9 | 2570.3 | 2568.9 |
| 2°    | 2553.5 | 2556.3 | 2553.5 | 2554.9 | 2554.9 |
| 3°    | 2526.7 | 2529.6 | 2529.6 | 2528.1 | 2526.7 |
| 4°    | 2494.4 | 2501.4 | 2494.4 | 2495.8 | 2491.6 |
| 5°    | 2449.4 | 2455.0 | 2445.2 | 2446.6 | 2449.4 |
| 6°    | 2394.6 | 2396.0 | 2393.2 | 2391.8 | 2388.9 |
| 7°    | 2331.3 | 2336.9 | 2327.1 | 2328.5 | 2325.7 |
| 8°    | 2263.8 | 2262.4 | 2262.4 | 2256.8 | 2248.3 |
| 9°    | 2182.2 | 2187.9 | 2179.4 | 2176.6 | 2178.0 |
| 10°   | 2102.1 | 2102.1 | 2095.1 | 2088.0 | 2092.3 |
| 11°   | 2010.7 | 2007.9 | 2003.7 | 1993.8 | 1991.0 |
| 12°   | 1910.9 | 1916.5 | 1903.8 | 1899.6 | 1889.8 |
| 13°   | 1808.2 | 1816.7 | 1811.0 | 1795.6 | 1797.0 |
| 14°   | 1712.6 | 1707.0 | 1702.8 | 1700.0 | 1690.1 |
| 15°   | 1615.6 | 1612.8 | 1602.9 | 1595.9 | 1577.6 |
| 17.5° | 1349.8 | 1352.7 | 1334.4 | 1331.6 | 1324.5 |
| 20°   | 1099.6 | 1091.1 | 1089.7 | 1091.1 | 1082.7 |
| 22.5° | 867.6  | 876.0  | 866.2  | 867.6  | 861.9  |
| 25°   | 673.5  | 674.9  | 677.7  | 677.7  | 673.5  |
| 27.5° | 523.1  | 523.1  | 520.3  | 523.1  | 518.8  |
| 30°   | 396.5  | 396.5  | 399.3  | 402.1  | 396.5  |
| 32.5° | 306.5  | 306.5  | 306.5  | 307.9  | 309.3  |
| 35°   | 232.0  | 232.0  | 233.4  | 233.4  | 233.4  |
| 37.5° | 178.6  | 180.0  | 181.4  | 181.4  | 181.4  |
| 40°   | 137.8  | 139.2  | 139.2  | 140.6  | 139.2  |
| 42.5° | 109.7  | 109.7  | 109.7  | 111.1  | 111.1  |
| 45°   | 85.8   | 87.2   | 87.2   | 88.6   | 88.6   |
| 47.5° | 70.3   | 70.3   | 70.3   | 71.7   | 71.7   |
| 50°   | 56.2   | 57.6   | 57.6   | 57.6   | 57.6   |
| 52.5° | 46.4   | 46.4   | 47.8   | 47.8   | 47.8   |
| 55°   | 39.4   | 39.4   | 39.4   | 39.4   | 39.4   |
| 57.5° | 32.3   | 33.7   | 33.7   | 33.7   | 33.7   |
| 60°   | 28.1   | 28.1   | 28.1   | 28.1   | 28.1   |
| 62.5° | 23.9   | 23.9   | 23.9   | 23.9   | 23.9   |
| 65°   | 21.1   | 21.1   | 21.1   | 21.1   | 21.1   |
| 67.5° | 16.9   | 18.3   | 18.3   | 18.3   | 18.3   |
| 70°   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   |
| 72.5° | 11.2   | 12.7   | 12.7   | 12.7   | 12.7   |
| 75°   | 9.8    | 9.8    | 9.8    | 9.8    | 9.8    |
| 77.5° | 8.4    | 7.0    | 7.0    | 7.0    | 8.4    |
| 80°   | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    |
| 82.5° | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 85°   | 1.4    | 1.4    | 1.4    | 1.4    | 2.8    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    |



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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)