

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: P1312766

Luminaire Tested: P3SQAS20R359727D010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312766  
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: P3SQAS20R359727D010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

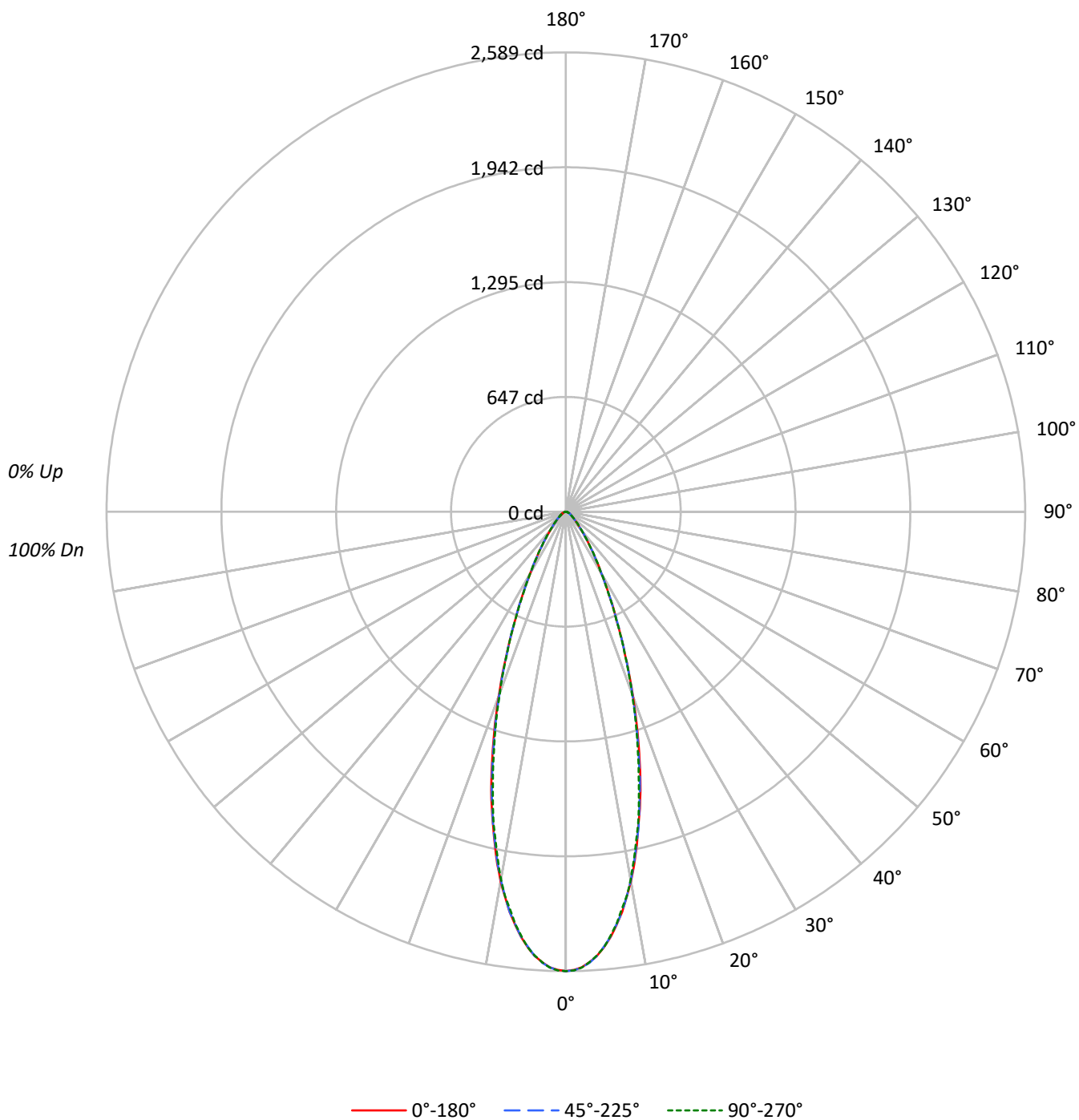
Lumens per Lamp: N/A  
Luminaire Lumens: 1277.0 lumens  
Efficiency: N/A  
Efficacy: 44.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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  | 96  | 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°  | 445953 | 445953 | 445953 |
| 5°  | 426116 | 425390 | 426116 |
| 10° | 369940 | 368698 | 368191 |
| 15° | 289877 | 287595 | 283066 |
| 20° | 202794 | 200980 | 199679 |
| 25° | 128800 | 129598 | 128800 |
| 30° | 79347  | 79904  | 79347  |
| 35° | 49092  | 49387  | 49387  |
| 40° | 31183  | 31497  | 31497  |
| 45° | 21019  | 21360  | 21701  |
| 50° | 15165  | 15540  | 15540  |
| 55° | 11890  | 11890  | 11890  |
| 60° | 9748   | 9748   | 9748   |
| 65° | 8639   | 8639   | 8639   |
| 70° | 7855   | 7855   | 7855   |
| 75° | 6588   | 6588   | 6588   |
| 80° | 5653   | 5653   | 5653   |
| 85° | 2766   | 2766   | 5533   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21701 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 223.8  | 17.5      |
| 10°-20°   | 440.6  | 34.5      |
| 20°-30°   | 317.9  | 24.9      |
| 30°-40°   | 153.3  | 12.0      |
| 40°-50°   | 70.6   | 5.5       |
| 50°-60°   | 36.5   | 2.9       |
| 60°-70°   | 21.1   | 1.7       |
| 70°-80°   | 10.7   | 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°    | 982.3  | 76.9      |
| 0°-40°    | 1135.5 | 88.9      |
| 0°-60°    | 1242.7 | 97.3      |
| 0°-90°    | 1277.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1277.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2589 | 2589  | 2589 | 2589  | 2589 |      |
| 5°  | 2465 | 2470  | 2461 | 2462  | 2465 | 224  |
| 15° | 1626 | 1623  | 1613 | 1606  | 1588 | 443  |
| 25° | 678  | 679   | 682  | 682   | 678  | 318  |
| 35° | 234  | 234   | 235  | 235   | 235  | 152  |
| 45° | 86   | 88    | 88   | 89    | 89   | 70   |
| 55° | 40   | 40    | 40   | 40    | 40   | 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°    | 2589.4 | 2589.4 | 2589.4 | 2589.4 | 2589.4 |
| 1°    | 2582.3 | 2586.5 | 2585.1 | 2586.5 | 2585.1 |
| 2°    | 2569.6 | 2572.4 | 2569.6 | 2571.0 | 2571.0 |
| 3°    | 2542.7 | 2545.5 | 2545.5 | 2544.1 | 2542.7 |
| 4°    | 2510.1 | 2517.2 | 2510.1 | 2511.5 | 2507.3 |
| 5°    | 2464.8 | 2470.5 | 2460.6 | 2462.0 | 2464.8 |
| 6°    | 2409.7 | 2411.1 | 2408.2 | 2406.8 | 2404.0 |
| 7°    | 2346.0 | 2351.7 | 2341.7 | 2343.2 | 2340.3 |
| 8°    | 2278.1 | 2276.7 | 2276.7 | 2271.0 | 2262.5 |
| 9°    | 2196.0 | 2201.7 | 2193.2 | 2190.3 | 2191.8 |
| 10°   | 2115.4 | 2115.4 | 2108.3 | 2101.2 | 2105.4 |
| 11°   | 2023.4 | 2020.6 | 2016.3 | 2006.4 | 2003.6 |
| 12°   | 1922.9 | 1928.6 | 1915.8 | 1911.6 | 1901.7 |
| 13°   | 1819.6 | 1828.1 | 1822.5 | 1806.9 | 1808.3 |
| 14°   | 1723.4 | 1717.8 | 1713.5 | 1710.7 | 1700.8 |
| 15°   | 1625.8 | 1623.0 | 1613.0 | 1606.0 | 1587.6 |
| 17.5° | 1358.4 | 1361.2 | 1342.8 | 1340.0 | 1332.9 |
| 20°   | 1106.5 | 1098.0 | 1096.6 | 1098.0 | 1089.5 |
| 22.5° | 873.0  | 881.5  | 871.6  | 873.0  | 867.4  |
| 25°   | 677.8  | 679.2  | 682.0  | 682.0  | 677.8  |
| 27.5° | 526.4  | 526.4  | 523.5  | 526.4  | 522.1  |
| 30°   | 399.0  | 399.0  | 401.8  | 404.7  | 399.0  |
| 32.5° | 308.5  | 308.5  | 308.5  | 309.9  | 311.3  |
| 35°   | 233.5  | 233.5  | 234.9  | 234.9  | 234.9  |
| 37.5° | 179.7  | 181.1  | 182.5  | 182.5  | 182.5  |
| 40°   | 138.7  | 140.1  | 140.1  | 141.5  | 140.1  |
| 42.5° | 110.4  | 110.4  | 110.4  | 111.8  | 111.8  |
| 45°   | 86.3   | 87.7   | 87.7   | 89.1   | 89.1   |
| 47.5° | 70.7   | 70.7   | 70.7   | 72.2   | 72.2   |
| 50°   | 56.6   | 58.0   | 58.0   | 58.0   | 58.0   |
| 52.5° | 46.7   | 46.7   | 48.1   | 48.1   | 48.1   |
| 55°   | 39.6   | 39.6   | 39.6   | 39.6   | 39.6   |
| 57.5° | 32.5   | 34.0   | 34.0   | 34.0   | 34.0   |
| 60°   | 28.3   | 28.3   | 28.3   | 28.3   | 28.3   |
| 62.5° | 24.1   | 24.1   | 24.1   | 24.1   | 24.1   |
| 65°   | 21.2   | 21.2   | 21.2   | 21.2   | 21.2   |
| 67.5° | 17.0   | 18.4   | 18.4   | 18.4   | 18.4   |
| 70°   | 15.6   | 15.6   | 15.6   | 15.6   | 15.6   |
| 72.5° | 11.3   | 12.7   | 12.7   | 12.7   | 12.7   |
| 75°   | 9.9    | 9.9    | 9.9    | 9.9    | 9.9    |
| 77.5° | 8.5    | 7.1    | 7.1    | 7.1    | 8.5    |
| 80°   | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 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)