

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: P1312752

Luminaire Tested: P3SQAS20R309727D010 E3SQPHLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309727D010 E3SQPHLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

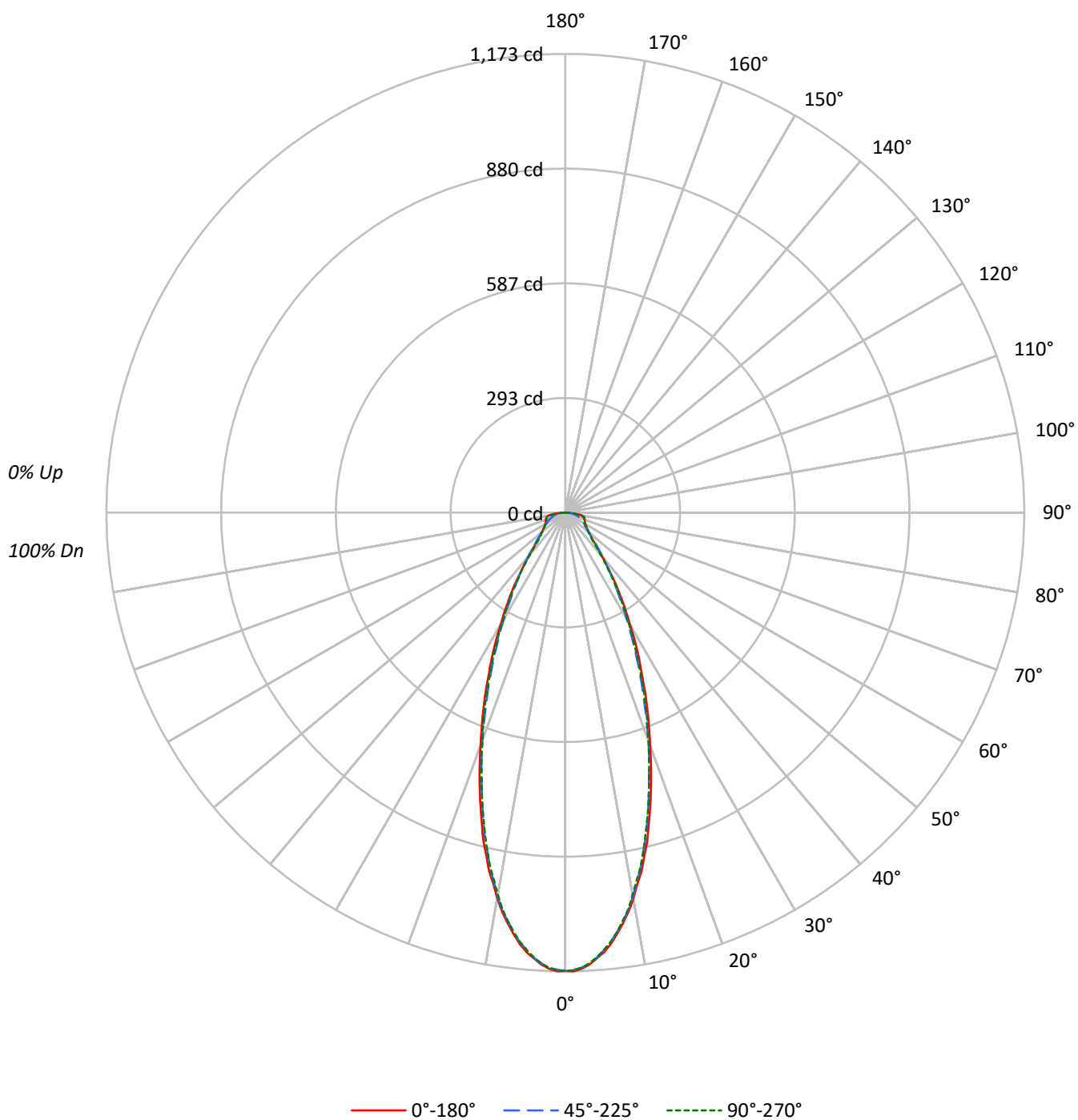
Lumens per Lamp: N/A  
Luminaire Lumens: 924.0 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  |  | 83  | 78  | 75  |  | 80  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  |  | 77  | 72  | 68  |  | 75  |
| 5   | 86  | 76  | 69  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 82  | 71  | 64  | 59  | 80  | 70  | 64  | 59  | 69  | 63  | 59  |  | 67  | 62  | 58  |  | 66  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  |  | 63  | 58  | 54  |  | 62  |
| 8   | 74  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  |  | 60  | 55  | 51  |  | 59  |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 52  | 48  | 58  | 52  | 48  |  | 57  | 51  | 48  |  | 56  |
| 10  | 67  | 56  | 50  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 45  |  | 54  | 49  | 45  |  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 201793 | 201793 | 201793 |
| 5°  | 195234 | 194249 | 194249 |
| 10° | 175212 | 174232 | 173480 |
| 15° | 146846 | 144582 | 144332 |
| 20° | 115940 | 113594 | 113594 |
| 25° | 88742  | 85246  | 86861  |
| 30° | 65844  | 62484  | 63876  |
| 35° | 47599  | 45518  | 45812  |
| 40° | 32779  | 33408  | 31812  |
| 45° | 24478  | 25501  | 23430  |
| 50° | 21220  | 20845  | 20845  |
| 55° | 19967  | 19127  | 19547  |
| 60° | 20460  | 19013  | 19978  |
| 65° | 22495  | 19031  | 21924  |
| 70° | 26386  | 19235  | 25630  |
| 75° | 33870  | 20694  | 32938  |
| 80° | 42151  | 22414  | 39275  |
| 85° | 33593  | 22329  | 30826  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42151 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 103.3  | 11.2      |
| 10°-20°   | 224.7  | 24.3      |
| 20°-30°   | 209.3  | 22.7      |
| 30°-40°   | 138.9  | 15.0      |
| 40°-50°   | 80.9   | 8.8       |
| 50°-60°   | 58.9   | 6.4       |
| 60°-70°   | 49.8   | 5.4       |
| 70°-80°   | 41.2   | 4.5       |
| 80°-90°   | 17.1   | 1.9       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 537.3  | 58.2      |
| 0°-40°    | 676.2  | 73.2      |
| 0°-60°    | 815.9  | 88.3      |
| 0°-90°    | 924.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 924.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1172 | 1172  | 1172 | 1172  | 1172 |      |
| 5°  | 1129 | 1128  | 1124 | 1124  | 1124 | 104  |
| 15° | 824  | 815   | 811  | 810   | 810  | 228  |
| 25° | 467  | 458   | 449  | 450   | 457  | 215  |
| 35° | 226  | 222   | 216  | 218   | 218  | 142  |
| 45° | 100  | 102   | 105  | 99    | 96   | 81   |
| 55° | 66   | 65    | 64   | 65    | 65   | 60   |
| 65° | 55   | 50    | 47   | 50    | 54   | 55   |
| 75° | 51   | 38    | 31   | 38    | 50   | 52   |
| 85° | 17   | 20    | 11   | 18    | 16   | 20   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 |
| 1°    | 1173.1 | 1171.7 | 1168.9 | 1170.3 | 1170.3 |
| 2°    | 1167.5 | 1166.1 | 1164.7 | 1164.7 | 1164.7 |
| 3°    | 1157.6 | 1156.2 | 1154.7 | 1154.7 | 1154.7 |
| 4°    | 1143.4 | 1142.0 | 1142.0 | 1140.6 | 1140.6 |
| 5°    | 1129.3 | 1127.9 | 1123.6 | 1123.6 | 1123.6 |
| 6°    | 1109.5 | 1108.0 | 1105.2 | 1103.8 | 1103.8 |
| 7°    | 1085.4 | 1085.4 | 1081.2 | 1079.7 | 1081.2 |
| 8°    | 1059.9 | 1058.5 | 1055.7 | 1054.3 | 1054.3 |
| 9°    | 1033.0 | 1028.8 | 1028.8 | 1024.6 | 1027.4 |
| 10°   | 1001.9 | 999.1  | 996.3  | 993.4  | 992.0  |
| 11°   | 966.5  | 965.1  | 960.9  | 958.0  | 956.6  |
| 12°   | 936.8  | 929.7  | 926.9  | 922.7  | 925.5  |
| 13°   | 898.6  | 894.4  | 887.3  | 885.9  | 887.3  |
| 14°   | 866.1  | 857.6  | 851.9  | 849.1  | 847.7  |
| 15°   | 823.6  | 815.1  | 810.9  | 809.5  | 809.5  |
| 17.5° | 728.8  | 723.1  | 711.8  | 711.8  | 711.8  |
| 20°   | 632.6  | 626.9  | 619.8  | 618.4  | 619.8  |
| 22.5° | 549.1  | 539.2  | 527.8  | 529.3  | 537.7  |
| 25°   | 467.0  | 458.5  | 448.6  | 450.0  | 457.1  |
| 27.5° | 397.7  | 386.3  | 376.4  | 379.3  | 383.5  |
| 30°   | 331.1  | 324.1  | 314.2  | 317.0  | 321.2  |
| 32.5° | 274.5  | 270.3  | 259.0  | 261.8  | 266.0  |
| 35°   | 226.4  | 222.2  | 216.5  | 217.9  | 217.9  |
| 37.5° | 181.1  | 181.1  | 179.7  | 178.3  | 176.9  |
| 40°   | 145.8  | 148.6  | 148.6  | 144.3  | 141.5  |
| 42.5° | 118.9  | 121.7  | 124.5  | 118.9  | 114.6  |
| 45°   | 100.5  | 101.9  | 104.7  | 99.1   | 96.2   |
| 47.5° | 87.7   | 87.7   | 90.6   | 86.3   | 84.9   |
| 50°   | 79.2   | 79.2   | 77.8   | 76.4   | 77.8   |
| 52.5° | 72.2   | 70.8   | 69.3   | 70.8   | 70.8   |
| 55°   | 66.5   | 65.1   | 63.7   | 65.1   | 65.1   |
| 57.5° | 62.3   | 60.9   | 59.4   | 59.4   | 60.9   |
| 60°   | 59.4   | 56.6   | 55.2   | 56.6   | 58.0   |
| 62.5° | 56.6   | 52.4   | 50.9   | 52.4   | 55.2   |
| 65°   | 55.2   | 49.5   | 46.7   | 49.5   | 53.8   |
| 67.5° | 53.8   | 46.7   | 42.5   | 46.7   | 52.4   |
| 70°   | 52.4   | 43.9   | 38.2   | 43.9   | 50.9   |
| 72.5° | 50.9   | 41.0   | 35.4   | 41.0   | 50.9   |
| 75°   | 50.9   | 38.2   | 31.1   | 38.2   | 49.5   |
| 77.5° | 48.1   | 35.4   | 26.9   | 35.4   | 46.7   |
| 80°   | 42.5   | 32.5   | 22.6   | 31.1   | 39.6   |
| 82.5° | 31.1   | 28.3   | 17.0   | 26.9   | 29.7   |
| 85°   | 17.0   | 19.8   | 11.3   | 18.4   | 15.6   |
| 87.5° | 2.8    | 4.2    | 2.8    | 8.5    | 5.7    |



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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)