

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: P1315425

Luminaire Tested: P3SQAS13R609740DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R609740DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

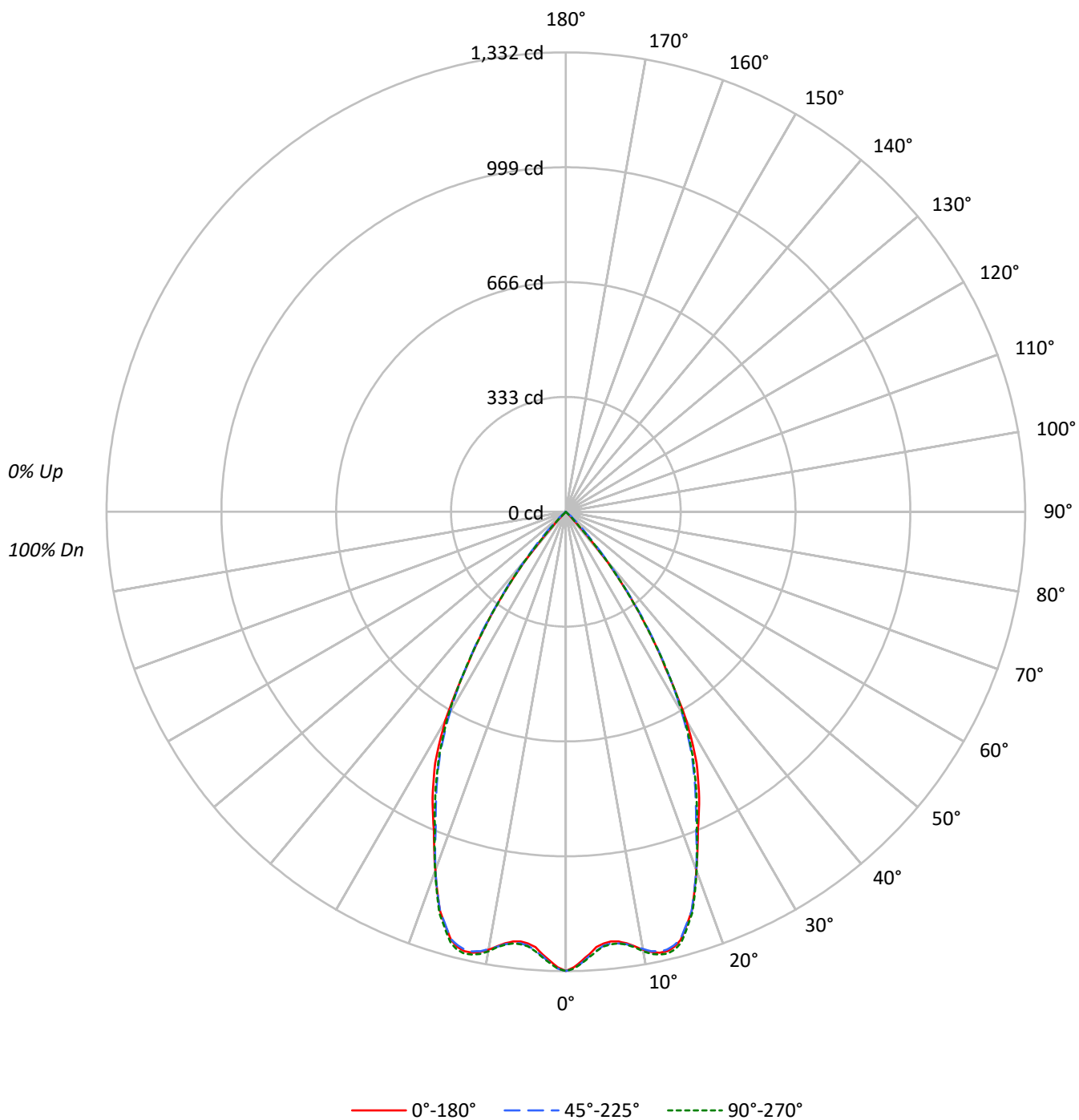
Lumens per Lamp: N/A  
Luminaire Lumens: 1180.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  |  | 91  | 88  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  |  | 77  | 72  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  |  | 65  | 61  | 57  |  | 64  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 229314 | 229314 | 229314 |
| 5°  | 217190 | 218313 | 218642 |
| 10° | 225455 | 225122 | 226434 |
| 15° | 229184 | 228845 | 230539 |
| 20° | 202813 | 202813 | 203161 |
| 25° | 173817 | 168630 | 170055 |
| 30° | 139047 | 133996 | 136044 |
| 35° | 86264  | 88051  | 86053  |
| 40° | 37860  | 41682  | 38916  |
| 45° | 463    | 13518  | 1145   |
| 50° | 0      | 1500   | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13518 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.6  | 10.3      |
| 10°-20°   | 352.5  | 29.9      |
| 20°-30°   | 409.3  | 34.7      |
| 30°-40°   | 257.7  | 21.8      |
| 40°-50°   | 38.7   | 3.3       |
| 50°-60°   | 0.2    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 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°    | 883.4  | 74.9      |
| 0°-40°    | 1141.1 | 96.7      |
| 0°-60°    | 1180.0 | 100.0     |
| 0°-90°    | 1180.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1180.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1332 | 1332  | 1332 | 1332  | 1332 |      |
| 5°  | 1256 | 1261  | 1263 | 1266  | 1265 | 121  |
| 15° | 1285 | 1281  | 1284 | 1292  | 1293 | 352  |
| 25° | 915  | 904   | 887  | 891   | 895  | 416  |
| 35° | 410  | 411   | 419  | 410   | 409  | 256  |
| 45° | 2    | 18    | 56   | 24    | 5    | 25   |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1331.5 | 1331.5 | 1331.5 | 1331.5 | 1331.5 |
| 1°    | 1321.2 | 1325.0 | 1325.0 | 1325.9 | 1325.0 |
| 2°    | 1303.3 | 1309.0 | 1309.0 | 1311.8 | 1309.9 |
| 3°    | 1285.4 | 1290.1 | 1291.1 | 1294.8 | 1293.9 |
| 4°    | 1265.7 | 1273.2 | 1276.0 | 1277.9 | 1277.0 |
| 5°    | 1256.3 | 1261.0 | 1262.8 | 1265.7 | 1264.7 |
| 6°    | 1252.5 | 1256.3 | 1258.1 | 1261.0 | 1261.0 |
| 7°    | 1255.3 | 1258.1 | 1261.0 | 1262.8 | 1261.0 |
| 8°    | 1263.8 | 1266.6 | 1266.6 | 1270.4 | 1267.6 |
| 9°    | 1276.0 | 1277.0 | 1277.0 | 1281.7 | 1278.8 |
| 10°   | 1289.2 | 1287.3 | 1287.3 | 1293.9 | 1294.8 |
| 11°   | 1300.5 | 1298.6 | 1297.7 | 1304.3 | 1306.1 |
| 12°   | 1307.1 | 1303.3 | 1303.3 | 1311.8 | 1312.7 |
| 13°   | 1308.0 | 1303.3 | 1303.3 | 1311.8 | 1314.6 |
| 14°   | 1300.5 | 1294.8 | 1295.8 | 1305.2 | 1308.0 |
| 15°   | 1285.4 | 1280.7 | 1283.5 | 1292.0 | 1293.0 |
| 17.5° | 1213.9 | 1211.1 | 1213.0 | 1218.6 | 1219.6 |
| 20°   | 1106.6 | 1104.8 | 1106.6 | 1106.6 | 1108.5 |
| 22.5° | 1000.3 | 995.6  | 986.2  | 991.8  | 992.8  |
| 25°   | 914.7  | 904.3  | 887.4  | 891.1  | 894.9  |
| 27.5° | 820.6  | 807.4  | 789.5  | 794.2  | 795.2  |
| 30°   | 699.2  | 692.6  | 673.8  | 678.5  | 684.1  |
| 32.5° | 540.1  | 558.0  | 546.7  | 545.8  | 546.7  |
| 35°   | 410.3  | 411.2  | 418.8  | 410.3  | 409.3  |
| 37.5° | 287.0  | 288.0  | 293.6  | 284.2  | 285.1  |
| 40°   | 168.4  | 180.7  | 185.4  | 181.6  | 173.1  |
| 42.5° | 52.7   | 93.2   | 105.4  | 91.3   | 58.3   |
| 45°   | 1.9    | 17.9   | 55.5   | 23.5   | 4.7    |
| 47.5° | 0.0    | 0.9    | 26.3   | 1.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 5.6    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.9    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)