

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: P1314454

Luminaire Tested: P3SQAS13R609735DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314454  
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: P3SQAS13R609735DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

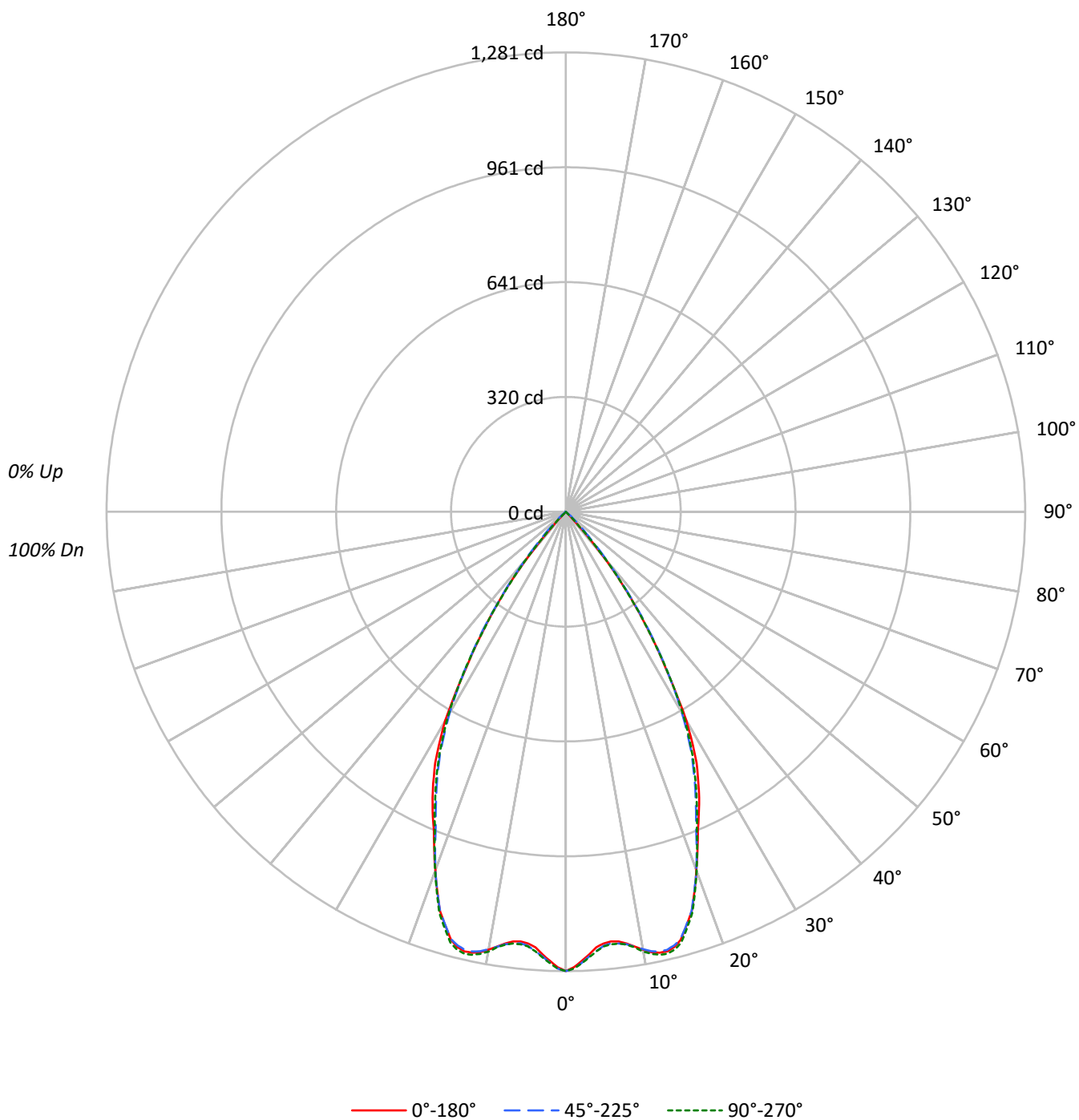
Lumens per Lamp: N/A  
Luminaire Lumens: 1135.0 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 89  | 88  | 88  | 88  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  | 91  | 88  | 85  | 88  | 86  | 84  | 82  | 82  | 82  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  | 77  | 77  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  | 81  | 77  | 74  | 79  | 76  | 73  | 72  | 72  | 72  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  | 77  | 72  | 69  | 75  | 72  | 69  | 67  | 67  | 67  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 63  | 63  | 63  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 61  | 59  | 59  | 59  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 64  | 60  | 57  | 56  | 56  | 56  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 53  | 53  | 53  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 220583 | 220583 | 220583 |
| 5°  | 208909 | 209998 | 210309 |
| 10° | 216851 | 216536 | 217812 |
| 15° | 220448 | 220127 | 221749 |
| 20° | 195078 | 195078 | 195408 |
| 25° | 167185 | 162188 | 163575 |
| 30° | 133737 | 128885 | 130854 |
| 35° | 82963  | 84687  | 82773  |
| 40° | 36421  | 40086  | 37433  |
| 45° | 438    | 13006  | 1096   |
| 50° | 0      | 1447   | 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: 13006 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 117.0  | 10.3      |
| 10°-20°   | 339.1  | 29.9      |
| 20°-30°   | 393.6  | 34.7      |
| 30°-40°   | 247.9  | 21.8      |
| 40°-50°   | 37.2   | 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       |
| <hr/>     |        |           |
| 0°-30°    | 849.7  | 74.9      |
| 0°-40°    | 1097.6 | 96.7      |
| 0°-60°    | 1135.0 | 100.0     |
| 0°-90°    | 1135.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1135.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1281 | 1281  | 1281 | 1281  | 1281 |      |
| 5°  | 1208 | 1213  | 1215 | 1217  | 1216 | 117  |
| 15° | 1236 | 1232  | 1235 | 1243  | 1244 | 339  |
| 25° | 880  | 870   | 854  | 857   | 861  | 400  |
| 35° | 395  | 396   | 403  | 395   | 394  | 246  |
| 45° | 2    | 17    | 53   | 23    | 4    | 24   |
| 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°    | 1280.8 | 1280.8 | 1280.8 | 1280.8 | 1280.8 |
| 1°    | 1270.8 | 1274.4 | 1274.4 | 1275.3 | 1274.4 |
| 2°    | 1253.6 | 1259.0 | 1259.0 | 1261.8 | 1259.9 |
| 3°    | 1236.4 | 1240.9 | 1241.8 | 1245.5 | 1244.6 |
| 4°    | 1217.4 | 1224.6 | 1227.4 | 1229.2 | 1228.3 |
| 5°    | 1208.4 | 1212.9 | 1214.7 | 1217.4 | 1216.5 |
| 6°    | 1204.7 | 1208.4 | 1210.2 | 1212.9 | 1212.9 |
| 7°    | 1207.4 | 1210.2 | 1212.9 | 1214.7 | 1212.9 |
| 8°    | 1215.6 | 1218.3 | 1218.3 | 1221.9 | 1219.2 |
| 9°    | 1227.4 | 1228.3 | 1228.3 | 1232.8 | 1230.1 |
| 10°   | 1240.0 | 1238.2 | 1238.2 | 1244.6 | 1245.5 |
| 11°   | 1250.9 | 1249.1 | 1248.2 | 1254.5 | 1256.3 |
| 12°   | 1257.2 | 1253.6 | 1253.6 | 1261.8 | 1262.7 |
| 13°   | 1258.1 | 1253.6 | 1253.6 | 1261.8 | 1264.5 |
| 14°   | 1250.9 | 1245.5 | 1246.4 | 1255.4 | 1258.1 |
| 15°   | 1236.4 | 1231.9 | 1234.6 | 1242.7 | 1243.7 |
| 17.5° | 1167.6 | 1164.9 | 1166.7 | 1172.1 | 1173.1 |
| 20°   | 1064.4 | 1062.6 | 1064.4 | 1064.4 | 1066.2 |
| 22.5° | 962.2  | 957.6  | 948.6  | 954.0  | 954.9  |
| 25°   | 879.8  | 869.8  | 853.5  | 857.2  | 860.8  |
| 27.5° | 789.3  | 776.6  | 759.4  | 763.9  | 764.8  |
| 30°   | 672.5  | 666.2  | 648.1  | 652.6  | 658.0  |
| 32.5° | 519.5  | 536.7  | 525.9  | 525.0  | 525.9  |
| 35°   | 394.6  | 395.5  | 402.8  | 394.6  | 393.7  |
| 37.5° | 276.1  | 277.0  | 282.4  | 273.4  | 274.3  |
| 40°   | 162.0  | 173.8  | 178.3  | 174.7  | 166.5  |
| 42.5° | 50.7   | 89.6   | 101.4  | 87.8   | 56.1   |
| 45°   | 1.8    | 17.2   | 53.4   | 22.6   | 4.5    |
| 47.5° | 0.0    | 0.9    | 25.3   | 1.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 5.4    | 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)