

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: P1314614

Luminaire Tested: P3SQAS17R709735DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R709735DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

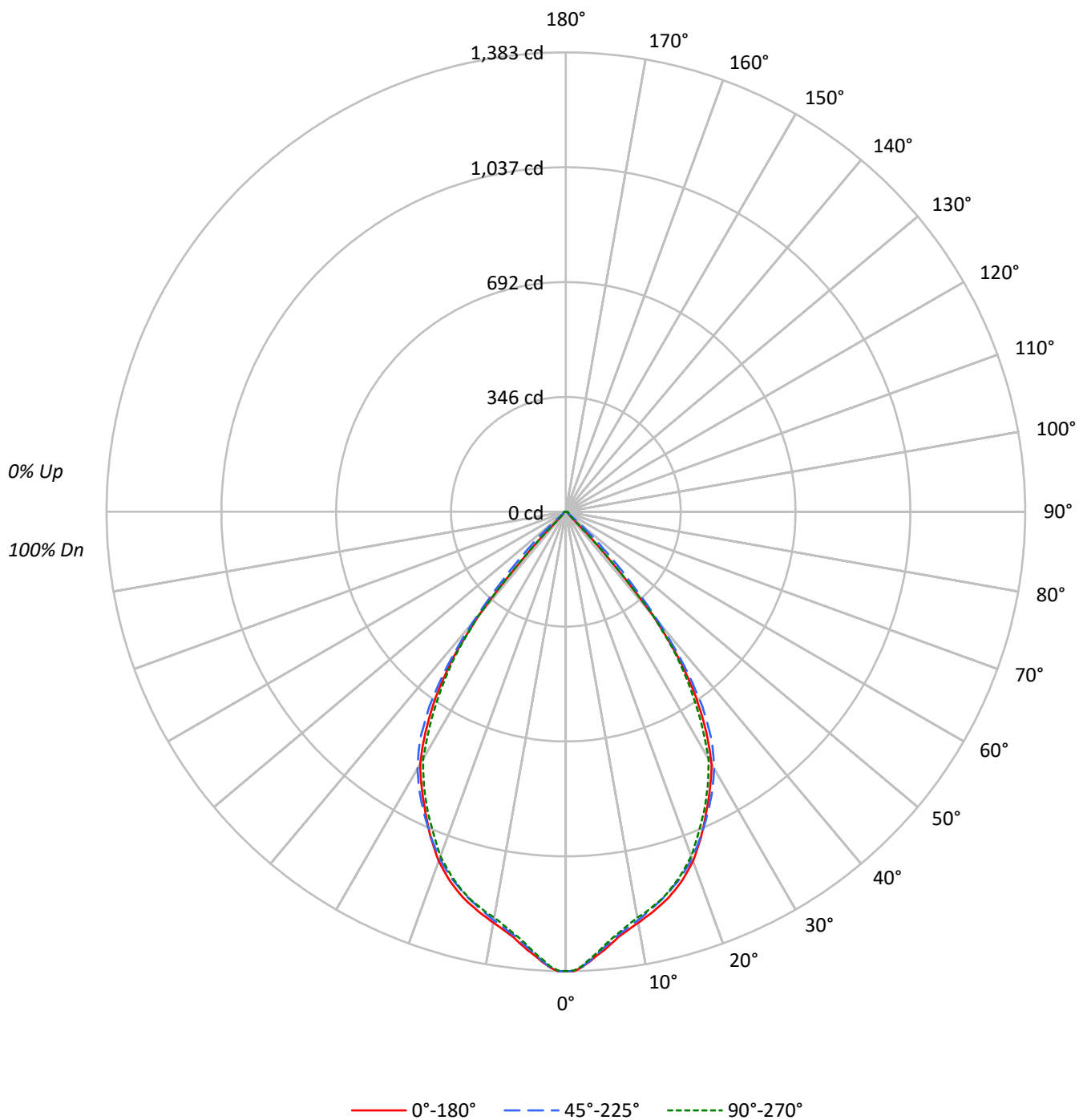
Lumens per Lamp: N/A  
Luminaire Lumens: 1475.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 81  |
| 5   | 91  | 82  | 75  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 76  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 64  |  | 71  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 62  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 238236 | 238236 | 238236 |
| 5°  | 228998 | 227753 | 226923 |
| 10° | 219701 | 218442 | 216973 |
| 15° | 214154 | 211800 | 211586 |
| 20° | 205195 | 203656 | 202336 |
| 25° | 189970 | 191338 | 187708 |
| 30° | 174505 | 177607 | 170925 |
| 35° | 143913 | 150704 | 138362 |
| 40° | 91637  | 98629  | 91637  |
| 45° | 6430   | 42623  | 7015   |
| 50° | 2894   | 8681   | 2894   |
| 55° | 3243   | 3243   | 3243   |
| 60° | 3307   | 3307   | 3307   |
| 65° | 2934   | 3423   | 2934   |
| 70° | 3021   | 3626   | 3021   |
| 75° | 3194   | 3194   | 3194   |
| 80° | 3570   | 3570   | 3570   |
| 85° | 2371   | 4742   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 42623 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.5  | 8.4       |
| 10°-20°   | 334.2  | 22.7      |
| 20°-30°   | 459.4  | 31.1      |
| 30°-40°   | 420.8  | 28.5      |
| 40°-50°   | 111.7  | 7.6       |
| 50°-60°   | 10.0   | 0.7       |
| 60°-70°   | 8.1    | 0.6       |
| 70°-80°   | 5.4    | 0.4       |
| 80°-90°   | 2.0    | 0.1       |
| 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°    | 917.0  | 62.2      |
| 0°-40°    | 1337.8 | 90.7      |
| 0°-60°    | 1459.4 | 98.9      |
| 0°-90°    | 1475.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1475.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1383 | 1383  | 1383 | 1383  | 1383 |      |
| 5°  | 1325 | 1319  | 1317 | 1315  | 1313 | 124  |
| 15° | 1201 | 1190  | 1188 | 1188  | 1187 | 337  |
| 25° | 1000 | 1003  | 1007 | 995   | 988  | 460  |
| 35° | 684  | 695   | 717  | 684   | 658  | 415  |
| 45° | 26   | 90    | 175  | 91    | 29   | 79   |
| 55° | 11   | 11    | 11   | 11    | 11   | 9    |
| 65° | 7    | 8     | 8    | 8     | 7    | 8    |
| 75° | 5    | 5     | 5    | 5     | 5    | 5    |
| 85° | 1    | 2     | 2    | 2     | 1    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1383.3 | 1383.3 | 1383.3 | 1383.3 | 1383.3 |
| 1°    | 1383.3 | 1380.9 | 1383.3 | 1383.3 | 1380.9 |
| 2°    | 1372.6 | 1370.2 | 1371.4 | 1370.2 | 1369.0 |
| 3°    | 1357.0 | 1353.4 | 1354.6 | 1352.2 | 1349.8 |
| 4°    | 1339.0 | 1335.4 | 1335.4 | 1334.2 | 1331.8 |
| 5°    | 1324.6 | 1318.6 | 1317.4 | 1315.0 | 1312.6 |
| 6°    | 1307.8 | 1301.8 | 1300.6 | 1297.0 | 1294.6 |
| 7°    | 1291.0 | 1286.2 | 1285.0 | 1280.2 | 1280.2 |
| 8°    | 1277.9 | 1271.9 | 1271.9 | 1265.9 | 1265.9 |
| 9°    | 1267.1 | 1259.9 | 1259.9 | 1255.1 | 1252.7 |
| 10°   | 1256.3 | 1249.1 | 1249.1 | 1243.1 | 1240.7 |
| 11°   | 1245.5 | 1239.5 | 1237.1 | 1233.5 | 1232.3 |
| 12°   | 1235.9 | 1227.5 | 1225.1 | 1223.9 | 1221.5 |
| 13°   | 1223.9 | 1215.5 | 1213.1 | 1211.9 | 1210.7 |
| 14°   | 1213.1 | 1202.3 | 1201.1 | 1198.7 | 1199.9 |
| 15°   | 1201.1 | 1190.3 | 1187.9 | 1187.9 | 1186.7 |
| 17.5° | 1164.0 | 1156.8 | 1153.2 | 1150.8 | 1148.4 |
| 20°   | 1119.6 | 1113.6 | 1111.2 | 1106.4 | 1104.0 |
| 22.5° | 1062.1 | 1060.9 | 1059.7 | 1053.7 | 1044.1 |
| 25°   | 999.7  | 1003.3 | 1006.9 | 995.0  | 987.8  |
| 27.5° | 939.8  | 949.4  | 953.0  | 941.0  | 925.4  |
| 30°   | 877.5  | 885.9  | 893.1  | 876.3  | 859.5  |
| 32.5° | 787.6  | 807.9  | 818.7  | 799.6  | 761.2  |
| 35°   | 684.5  | 695.3  | 716.8  | 684.5  | 658.1  |
| 37.5° | 564.6  | 570.6  | 587.4  | 565.8  | 547.8  |
| 40°   | 407.6  | 425.6  | 438.7  | 425.6  | 407.6  |
| 42.5° | 183.4  | 256.5  | 290.1  | 270.9  | 191.8  |
| 45°   | 26.4   | 89.9   | 175.0  | 91.1   | 28.8   |
| 47.5° | 10.8   | 14.4   | 91.1   | 13.2   | 10.8   |
| 50°   | 10.8   | 10.8   | 32.4   | 10.8   | 10.8   |
| 52.5° | 10.8   | 10.8   | 12.0   | 10.8   | 10.8   |
| 55°   | 10.8   | 10.8   | 10.8   | 10.8   | 10.8   |
| 57.5° | 9.6    | 9.6    | 10.8   | 9.6    | 9.6    |
| 60°   | 9.6    | 9.6    | 9.6    | 9.6    | 9.6    |
| 62.5° | 8.4    | 9.6    | 9.6    | 9.6    | 8.4    |
| 65°   | 7.2    | 8.4    | 8.4    | 8.4    | 7.2    |
| 67.5° | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 70°   | 6.0    | 7.2    | 7.2    | 7.2    | 6.0    |
| 72.5° | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 75°   | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    |
| 77.5° | 3.6    | 4.8    | 4.8    | 4.8    | 3.6    |
| 80°   | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 82.5° | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 85°   | 1.2    | 2.4    | 2.4    | 2.4    | 1.2    |
| 87.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |



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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)