

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: P1312610

Luminaire Tested: P3SQAS17R359727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312610  
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: P3SQAS17R359727DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

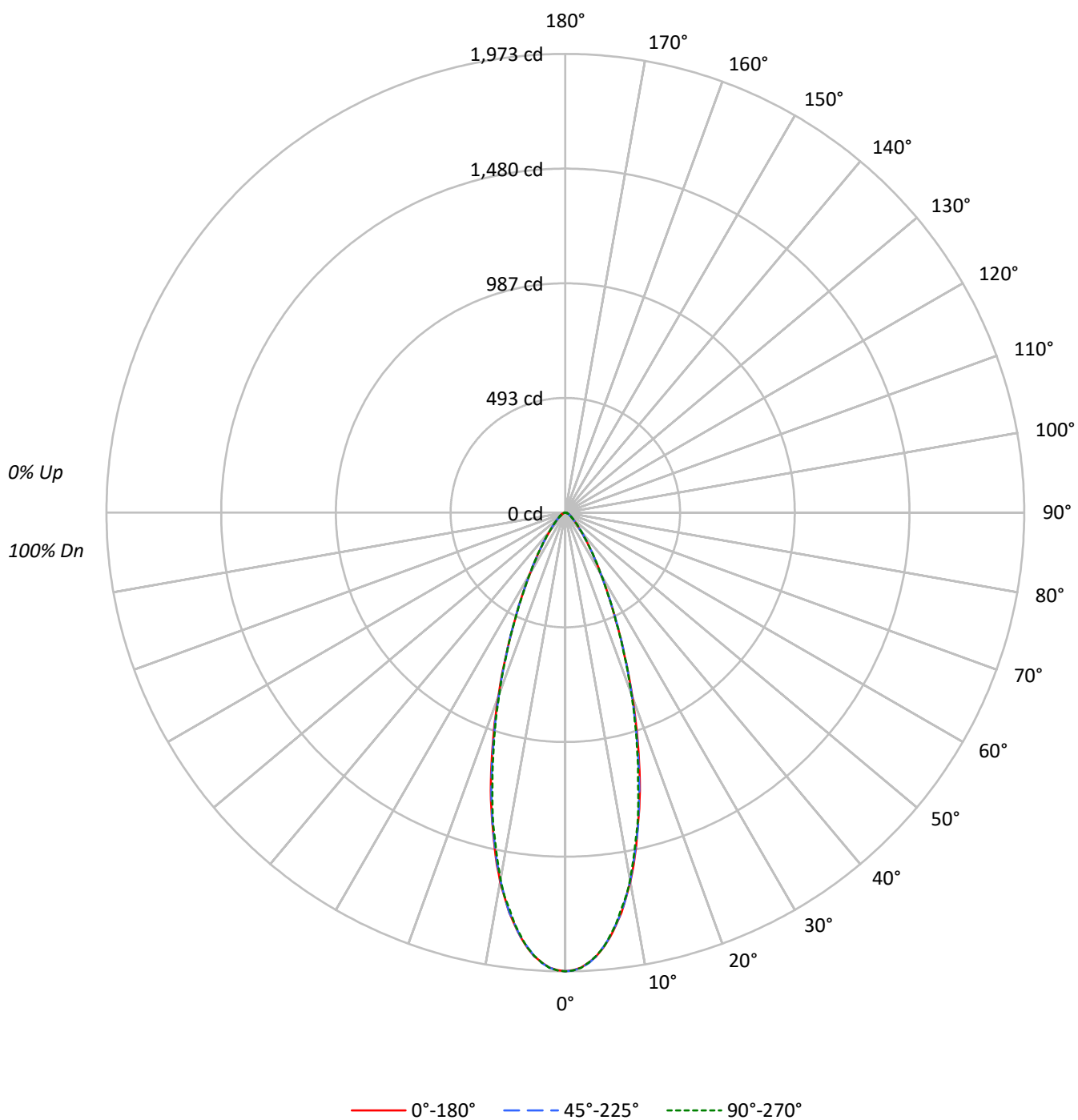
Lumens per Lamp: N/A  
Luminaire Lumens: 973.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1312610

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQPHL1MW

### 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°  | 339778 | 339778 | 339778 |
| 5°  | 324687 | 324116 | 324687 |
| 10° | 281871 | 280926 | 280542 |
| 15° | 220876 | 219128 | 215669 |
| 20° | 154520 | 153127 | 152137 |
| 25° | 98130  | 98738  | 98130  |
| 30° | 60455  | 60893  | 60455  |
| 35° | 37403  | 37634  | 37634  |
| 40° | 23764  | 23988  | 23988  |
| 45° | 16026  | 16270  | 16538  |
| 50° | 11548  | 11843  | 11843  |
| 55° | 9068   | 9068   | 9068   |
| 60° | 7440   | 7440   | 7440   |
| 65° | 6602   | 6602   | 6602   |
| 70° | 5992   | 5992   | 5992   |
| 75° | 4991   | 4991   | 4991   |
| 80° | 4265   | 4265   | 4265   |
| 85° | 2174   | 2174   | 4347   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16538 cd/sqm

TEST NUMBER: P1312610

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQPHL1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 170.5  | 17.5      |
| 10°-20°   | 335.7  | 34.5      |
| 20°-30°   | 242.2  | 24.9      |
| 30°-40°   | 116.8  | 12.0      |
| 40°-50°   | 53.8   | 5.5       |
| 50°-60°   | 27.9   | 2.9       |
| 60°-70°   | 16.1   | 1.7       |
| 70°-80°   | 8.1    | 0.8       |
| 80°-90°   | 1.9    | 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°    | 748.4  | 76.9      |
| 0°-40°    | 865.2  | 88.9      |
| 0°-60°    | 946.9  | 97.3      |
| 0°-90°    | 973.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 973.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1973 | 1973  | 1973 | 1973  | 1973 |      |
| 5°  | 1878 | 1882  | 1875 | 1876  | 1878 | 171  |
| 15° | 1239 | 1237  | 1229 | 1224  | 1210 | 338  |
| 25° | 516  | 518   | 520  | 520   | 516  | 242  |
| 35° | 178  | 178   | 179  | 179   | 179  | 116  |
| 45° | 66   | 67    | 67   | 68    | 68   | 53   |
| 55° | 30   | 30    | 30   | 30    | 30   | 27   |
| 65° | 16   | 16    | 16   | 16    | 16   | 16   |
| 75° | 8    | 8     | 8    | 8     | 8    | 8    |
| 85° | 1    | 1     | 1    | 1     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1312610

CATALOG NUMBER: P3SQAS17R359727DE010 E3SQPHL1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1972.9 | 1972.9 | 1972.9 | 1972.9 | 1972.9 |
| 1°    | 1967.6 | 1970.8 | 1969.7 | 1970.8 | 1969.7 |
| 2°    | 1957.9 | 1960.0 | 1957.9 | 1958.9 | 1958.9 |
| 3°    | 1937.4 | 1939.5 | 1939.5 | 1938.4 | 1937.4 |
| 4°    | 1912.6 | 1918.0 | 1912.6 | 1913.6 | 1910.4 |
| 5°    | 1878.1 | 1882.4 | 1874.8 | 1875.9 | 1878.1 |
| 6°    | 1836.0 | 1837.1 | 1834.9 | 1833.9 | 1831.7 |
| 7°    | 1787.5 | 1791.8 | 1784.3 | 1785.4 | 1783.2 |
| 8°    | 1735.8 | 1734.7 | 1734.7 | 1730.4 | 1723.9 |
| 9°    | 1673.2 | 1677.5 | 1671.1 | 1668.9 | 1670.0 |
| 10°   | 1611.8 | 1611.8 | 1606.4 | 1601.0 | 1604.2 |
| 11°   | 1541.7 | 1539.5 | 1536.3 | 1528.8 | 1526.6 |
| 12°   | 1465.2 | 1469.5 | 1459.8 | 1456.5 | 1449.0 |
| 13°   | 1386.5 | 1392.9 | 1388.6 | 1376.7 | 1377.8 |
| 14°   | 1313.1 | 1308.8 | 1305.6 | 1303.4 | 1295.9 |
| 15°   | 1238.8 | 1236.6 | 1229.0 | 1223.7 | 1209.6 |
| 17.5° | 1035.0 | 1037.1 | 1023.1 | 1021.0 | 1015.6 |
| 20°   | 843.1  | 836.6  | 835.5  | 836.6  | 830.1  |
| 22.5° | 665.2  | 671.7  | 664.1  | 665.2  | 660.9  |
| 25°   | 516.4  | 517.5  | 519.6  | 519.6  | 516.4  |
| 27.5° | 401.1  | 401.1  | 398.9  | 401.1  | 397.8  |
| 30°   | 304.0  | 304.0  | 306.2  | 308.3  | 304.0  |
| 32.5° | 235.0  | 235.0  | 235.0  | 236.1  | 237.2  |
| 35°   | 177.9  | 177.9  | 179.0  | 179.0  | 179.0  |
| 37.5° | 136.9  | 138.0  | 139.1  | 139.1  | 139.1  |
| 40°   | 105.7  | 106.7  | 106.7  | 107.8  | 106.7  |
| 42.5° | 84.1   | 84.1   | 84.1   | 85.2   | 85.2   |
| 45°   | 65.8   | 66.8   | 66.8   | 67.9   | 67.9   |
| 47.5° | 53.9   | 53.9   | 53.9   | 55.0   | 55.0   |
| 50°   | 43.1   | 44.2   | 44.2   | 44.2   | 44.2   |
| 52.5° | 35.6   | 35.6   | 36.7   | 36.7   | 36.7   |
| 55°   | 30.2   | 30.2   | 30.2   | 30.2   | 30.2   |
| 57.5° | 24.8   | 25.9   | 25.9   | 25.9   | 25.9   |
| 60°   | 21.6   | 21.6   | 21.6   | 21.6   | 21.6   |
| 62.5° | 18.3   | 18.3   | 18.3   | 18.3   | 18.3   |
| 65°   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   |
| 67.5° | 12.9   | 14.0   | 14.0   | 14.0   | 14.0   |
| 70°   | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 72.5° | 8.6    | 9.7    | 9.7    | 9.7    | 9.7    |
| 75°   | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| 77.5° | 6.5    | 5.4    | 5.4    | 5.4    | 6.5    |
| 80°   | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 82.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 85°   | 1.1    | 1.1    | 1.1    | 1.1    | 2.2    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    |



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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)