

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: P1308014

Luminaire Tested: P3SQAS13R309030DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308014  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309030DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

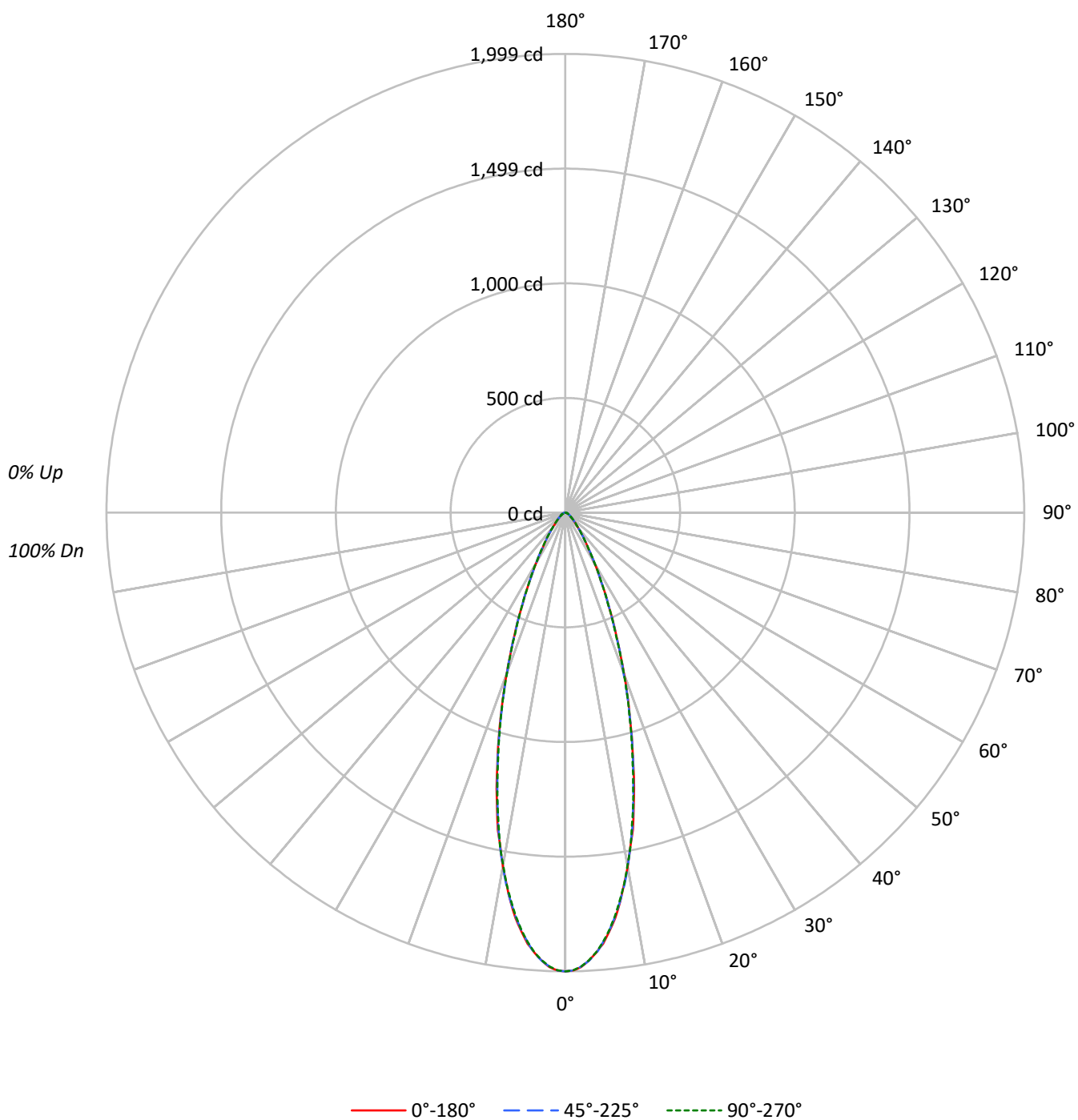
Lumens per Lamp: N/A  
Luminaire Lumens: 878.0 lumens  
Efficiency: N/A  
Efficacy: 60.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 344308 | 344308 | 344308 |
| 5°  | 325983 | 325136 | 324963 |
| 10° | 273844 | 273844 | 272829 |
| 15° | 204026 | 203509 | 202297 |
| 20° | 136559 | 135844 | 136027 |
| 25° | 84182  | 83992  | 84353  |
| 30° | 50611  | 50611  | 50810  |
| 35° | 31053  | 31053  | 31242  |
| 40° | 19649  | 19649  | 20099  |
| 45° | 13493  | 13712  | 13712  |
| 50° | 9887   | 9887   | 9887   |
| 55° | 7597   | 7867   | 7867   |
| 60° | 6372   | 6372   | 6682   |
| 65° | 5542   | 5542   | 5542   |
| 70° | 4884   | 5388   | 5388   |
| 75° | 4525   | 4525   | 4525   |
| 80° | 3868   | 3868   | 3868   |
| 85° | 1976   | 1976   | 1976   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13712 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 169.5  | 19.3      |
| 10°-20°   | 312.9  | 35.6      |
| 20°-30°   | 208.0  | 23.7      |
| 30°-40°   | 96.2   | 11.0      |
| 40°-50°   | 44.7   | 5.1       |
| 50°-60°   | 23.8   | 2.7       |
| 60°-70°   | 13.9   | 1.6       |
| 70°-80°   | 7.4    | 0.8       |
| 80°-90°   | 1.6    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 690.4  | 78.6      |
| 0°-40°    | 786.6  | 89.6      |
| 0°-60°    | 855.1  | 97.4      |
| 0°-90°    | 878.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 878.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1999 | 1999  | 1999 | 1999  | 1999 |      |
| 5°  | 1886 | 1882  | 1881 | 1886  | 1880 | 170  |
| 15° | 1144 | 1148  | 1141 | 1141  | 1135 | 314  |
| 25° | 443  | 442   | 442  | 442   | 444  | 208  |
| 35° | 148  | 147   | 148  | 149   | 149  | 96   |
| 45° | 55   | 55    | 56   | 56    | 56   | 44   |
| 55° | 25   | 26    | 26   | 26    | 26   | 24   |
| 65° | 14   | 14    | 14   | 14    | 14   | 14   |
| 75° | 7    | 7     | 7    | 7     | 7    | 7    |
| 85° | 1    | 1     | 1    | 1     | 1    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1999.2 | 1999.2 | 1999.2 | 1999.2 | 1999.2 |
| 1°    | 1995.3 | 1993.4 | 1995.3 | 1998.2 | 1994.4 |
| 2°    | 1981.7 | 1979.8 | 1979.8 | 1983.7 | 1979.8 |
| 3°    | 1955.5 | 1957.4 | 1956.5 | 1960.4 | 1953.6 |
| 4°    | 1922.5 | 1921.5 | 1925.4 | 1927.3 | 1921.5 |
| 5°    | 1885.6 | 1881.7 | 1880.7 | 1885.6 | 1879.7 |
| 6°    | 1835.0 | 1832.1 | 1830.2 | 1836.0 | 1828.2 |
| 7°    | 1780.6 | 1778.7 | 1775.8 | 1777.7 | 1771.9 |
| 8°    | 1713.6 | 1712.6 | 1710.7 | 1712.6 | 1705.8 |
| 9°    | 1638.8 | 1638.8 | 1642.7 | 1641.7 | 1637.8 |
| 10°   | 1565.9 | 1567.9 | 1565.9 | 1567.9 | 1560.1 |
| 11°   | 1484.3 | 1484.3 | 1486.3 | 1485.3 | 1486.3 |
| 12°   | 1413.4 | 1405.7 | 1403.7 | 1401.8 | 1395.9 |
| 13°   | 1322.1 | 1316.3 | 1314.3 | 1316.3 | 1313.4 |
| 14°   | 1238.6 | 1234.7 | 1225.0 | 1226.9 | 1223.0 |
| 15°   | 1144.3 | 1148.2 | 1141.4 | 1141.4 | 1134.6 |
| 17.5° | 935.5  | 931.6  | 933.5  | 934.5  | 931.6  |
| 20°   | 745.1  | 743.1  | 741.2  | 739.3  | 742.2  |
| 22.5° | 579.0  | 579.9  | 578.0  | 576.1  | 574.1  |
| 25°   | 443.0  | 442.0  | 442.0  | 442.0  | 443.9  |
| 27.5° | 336.1  | 336.1  | 336.1  | 337.1  | 337.1  |
| 30°   | 254.5  | 252.6  | 254.5  | 255.5  | 255.5  |
| 32.5° | 190.4  | 192.3  | 193.3  | 193.3  | 193.3  |
| 35°   | 147.7  | 146.7  | 147.7  | 148.6  | 148.6  |
| 37.5° | 112.7  | 112.7  | 113.7  | 113.7  | 114.6  |
| 40°   | 87.4   | 87.4   | 87.4   | 88.4   | 89.4   |
| 42.5° | 69.0   | 69.0   | 69.9   | 69.9   | 70.9   |
| 45°   | 55.4   | 55.4   | 56.3   | 56.3   | 56.3   |
| 47.5° | 44.7   | 44.7   | 45.7   | 45.7   | 45.7   |
| 50°   | 36.9   | 36.9   | 36.9   | 36.9   | 36.9   |
| 52.5° | 31.1   | 30.1   | 31.1   | 31.1   | 31.1   |
| 55°   | 25.3   | 26.2   | 26.2   | 26.2   | 26.2   |
| 57.5° | 21.4   | 22.3   | 22.3   | 22.3   | 22.3   |
| 60°   | 18.5   | 18.5   | 18.5   | 19.4   | 19.4   |
| 62.5° | 15.5   | 16.5   | 16.5   | 16.5   | 16.5   |
| 65°   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   |
| 67.5° | 11.7   | 11.7   | 11.7   | 11.7   | 12.6   |
| 70°   | 9.7    | 9.7    | 10.7   | 10.7   | 10.7   |
| 72.5° | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 75°   | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    |
| 77.5° | 4.9    | 4.9    | 5.8    | 5.8    | 4.9    |
| 80°   | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    |
| 82.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 85°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 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)