

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: P1315362

Luminaire Tested: P3SQAS13R309740DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315362  
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: P3SQAS13R309740DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

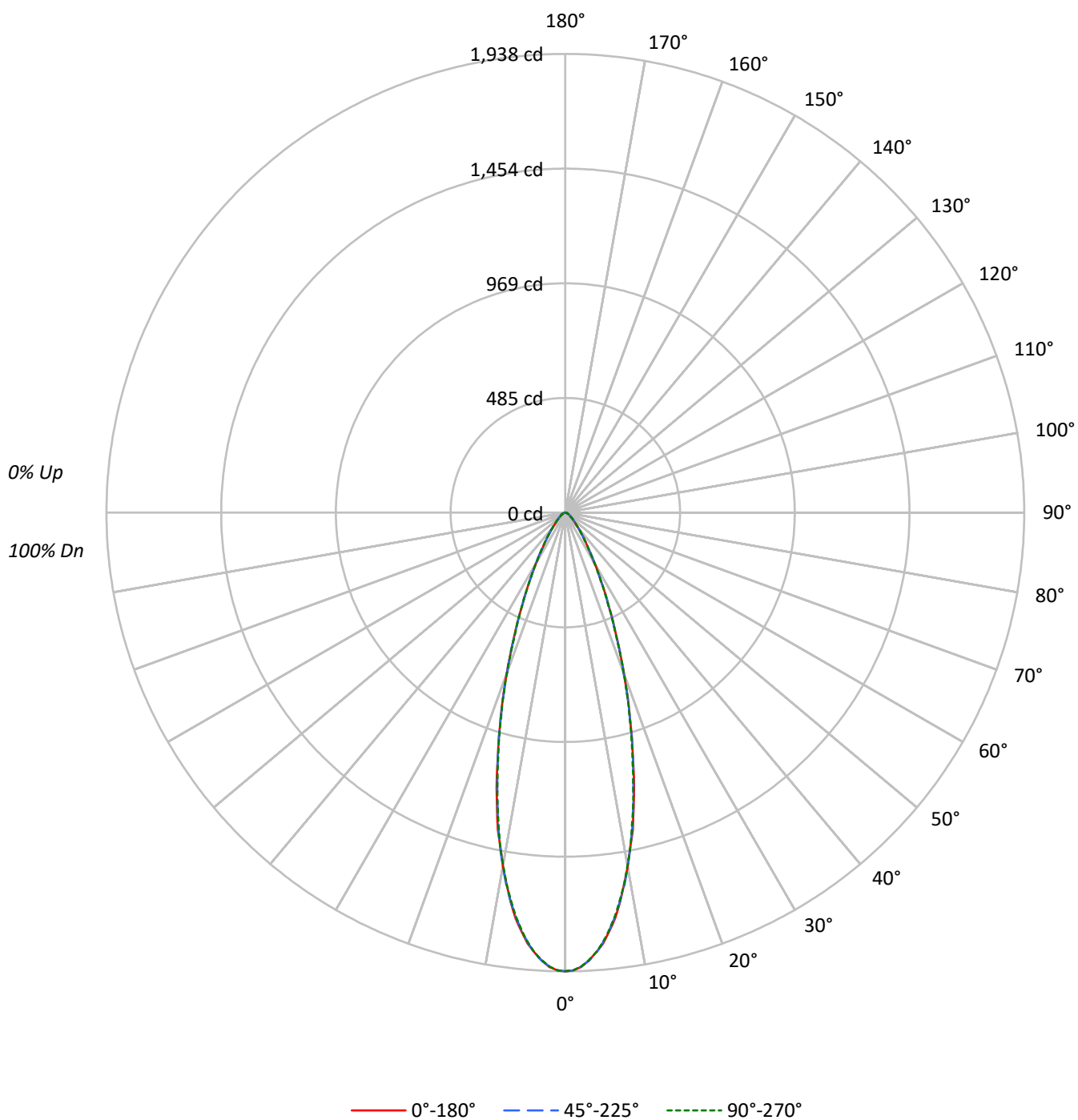
Lumens per Lamp: N/A  
Luminaire Lumens: 851.0 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 333716 | 333716 | 333716 |
| 5°  | 315956 | 315144 | 314971 |
| 10° | 265432 | 265432 | 264435 |
| 15° | 197768 | 197251 | 196074 |
| 20° | 132362 | 131665 | 131848 |
| 25° | 81597  | 81407  | 81768  |
| 30° | 49060  | 49060  | 49239  |
| 35° | 30086  | 30086  | 30296  |
| 40° | 19042  | 19042  | 19469  |
| 45° | 13079  | 13298  | 13298  |
| 50° | 9592   | 9592   | 9592   |
| 55° | 7356   | 7627   | 7627   |
| 60° | 6166   | 6166   | 6476   |
| 65° | 5379   | 5379   | 5379   |
| 70° | 4733   | 5237   | 5237   |
| 75° | 4392   | 4392   | 4392   |
| 80° | 3769   | 3769   | 3769   |
| 85° | 1778   | 1778   | 1778   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13298 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 164.3  | 19.3      |
| 10°-20°   | 303.3  | 35.6      |
| 20°-30°   | 201.6  | 23.7      |
| 30°-40°   | 93.2   | 11.0      |
| 40°-50°   | 43.3   | 5.1       |
| 50°-60°   | 23.1   | 2.7       |
| 60°-70°   | 13.5   | 1.6       |
| 70°-80°   | 7.2    | 0.8       |
| 80°-90°   | 1.5    | 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°    | 669.2  | 78.6      |
| 0°-40°    | 762.4  | 89.6      |
| 0°-60°    | 828.8  | 97.4      |
| 0°-90°    | 851.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 851.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1938 | 1938  | 1938 | 1938  | 1938 |      |
| 5°  | 1828 | 1824  | 1823 | 1828  | 1822 | 164  |
| 15° | 1109 | 1113  | 1106 | 1106  | 1100 | 304  |
| 25° | 429  | 428   | 428  | 428   | 430  | 202  |
| 35° | 143  | 142   | 143  | 144   | 144  | 93   |
| 45° | 54   | 54    | 55   | 55    | 55   | 43   |
| 55° | 24   | 25    | 25   | 25    | 25   | 23   |
| 65° | 13   | 13    | 13   | 13    | 13   | 13   |
| 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°    | 1937.7 | 1937.7 | 1937.7 | 1937.7 | 1937.7 |
| 1°    | 1934.0 | 1932.1 | 1934.0 | 1936.8 | 1933.0 |
| 2°    | 1920.8 | 1918.9 | 1918.9 | 1922.7 | 1918.9 |
| 3°    | 1895.4 | 1897.2 | 1896.3 | 1900.1 | 1893.5 |
| 4°    | 1863.3 | 1862.4 | 1866.2 | 1868.1 | 1862.4 |
| 5°    | 1827.6 | 1823.8 | 1822.9 | 1827.6 | 1821.9 |
| 6°    | 1778.6 | 1775.8 | 1773.9 | 1779.5 | 1772.0 |
| 7°    | 1725.9 | 1724.0 | 1721.2 | 1723.1 | 1717.4 |
| 8°    | 1660.9 | 1660.0 | 1658.1 | 1660.0 | 1653.4 |
| 9°    | 1588.4 | 1588.4 | 1592.2 | 1591.2 | 1587.5 |
| 10°   | 1517.8 | 1519.7 | 1517.8 | 1519.7 | 1512.1 |
| 11°   | 1438.7 | 1438.7 | 1440.6 | 1439.6 | 1440.6 |
| 12°   | 1370.0 | 1362.4 | 1360.6 | 1358.7 | 1353.0 |
| 13°   | 1281.5 | 1275.8 | 1273.9 | 1275.8 | 1273.0 |
| 14°   | 1200.5 | 1196.7 | 1187.3 | 1189.2 | 1185.4 |
| 15°   | 1109.2 | 1112.9 | 1106.3 | 1106.3 | 1099.7 |
| 17.5° | 906.7  | 903.0  | 904.8  | 905.8  | 903.0  |
| 20°   | 722.2  | 720.3  | 718.4  | 716.5  | 719.4  |
| 22.5° | 561.2  | 562.1  | 560.2  | 558.3  | 556.5  |
| 25°   | 429.4  | 428.4  | 428.4  | 428.4  | 430.3  |
| 27.5° | 325.8  | 325.8  | 325.8  | 326.7  | 326.7  |
| 30°   | 246.7  | 244.8  | 246.7  | 247.6  | 247.6  |
| 32.5° | 184.5  | 186.4  | 187.4  | 187.4  | 187.4  |
| 35°   | 143.1  | 142.2  | 143.1  | 144.1  | 144.1  |
| 37.5° | 109.2  | 109.2  | 110.2  | 110.2  | 111.1  |
| 40°   | 84.7   | 84.7   | 84.7   | 85.7   | 86.6   |
| 42.5° | 66.9   | 66.9   | 67.8   | 67.8   | 68.7   |
| 45°   | 53.7   | 53.7   | 54.6   | 54.6   | 54.6   |
| 47.5° | 43.3   | 43.3   | 44.3   | 44.3   | 44.3   |
| 50°   | 35.8   | 35.8   | 35.8   | 35.8   | 35.8   |
| 52.5° | 30.1   | 29.2   | 30.1   | 30.1   | 30.1   |
| 55°   | 24.5   | 25.4   | 25.4   | 25.4   | 25.4   |
| 57.5° | 20.7   | 21.7   | 21.7   | 21.7   | 21.7   |
| 60°   | 17.9   | 17.9   | 17.9   | 18.8   | 18.8   |
| 62.5° | 15.1   | 16.0   | 16.0   | 16.0   | 16.0   |
| 65°   | 13.2   | 13.2   | 13.2   | 13.2   | 13.2   |
| 67.5° | 11.3   | 11.3   | 11.3   | 11.3   | 12.2   |
| 70°   | 9.4    | 9.4    | 10.4   | 10.4   | 10.4   |
| 72.5° | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    |
| 75°   | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    |
| 77.5° | 4.7    | 4.7    | 5.6    | 5.6    | 4.7    |
| 80°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 82.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 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)