

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: P1312119

Luminaire Tested: P3SQAS05R309727DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R309727DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

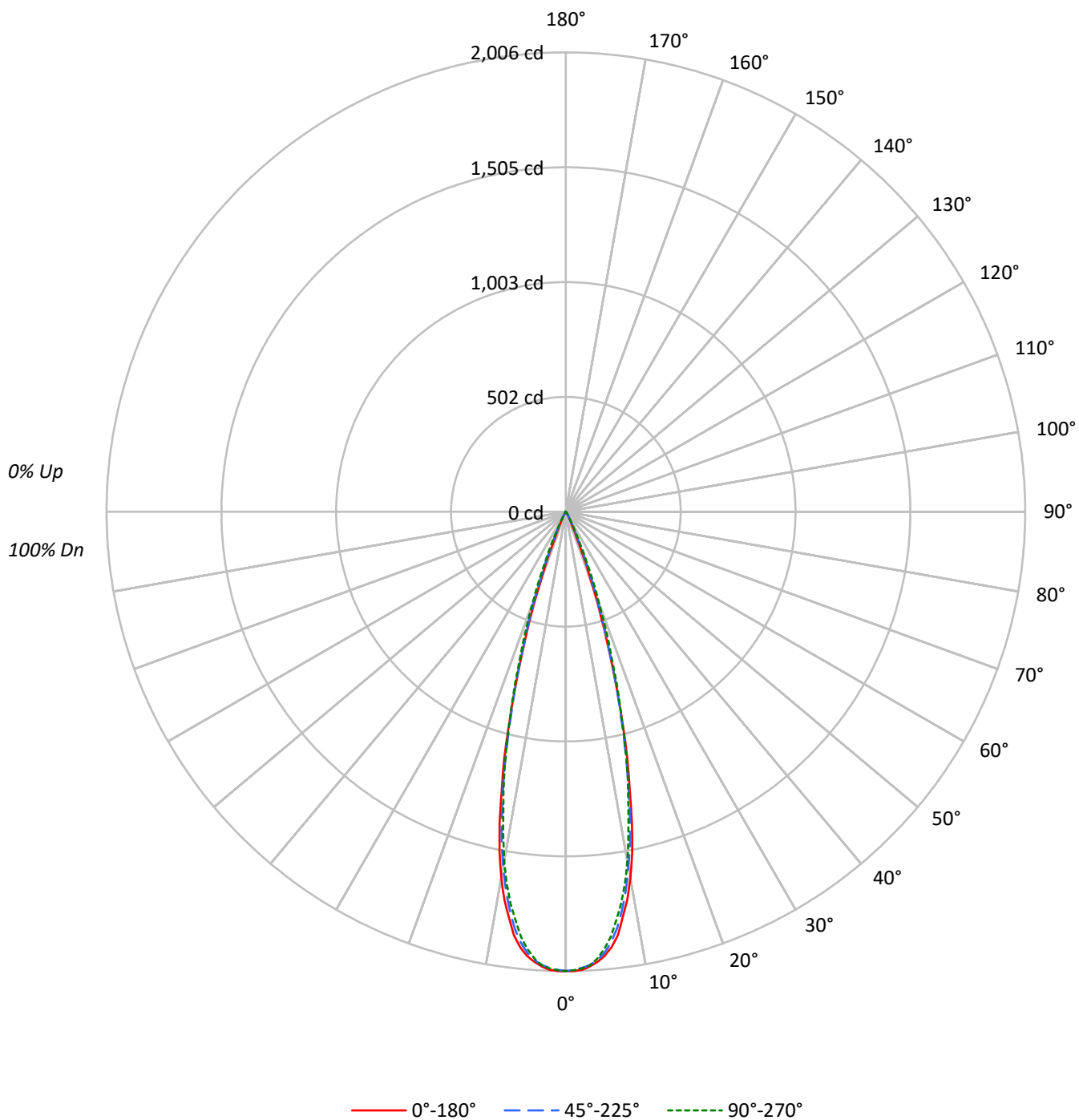
Lumens per Lamp: N/A  
Luminaire Lumens: 486.0 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 345427 | 345427 | 345427 |
| 5°  | 336546 | 334230 | 331464 |
| 10° | 284004 | 275295 | 270818 |
| 15° | 171148 | 166370 | 169437 |
| 20° | 58062  | 67042  | 77324  |
| 25° | 10660  | 16722  | 19744  |
| 30° | 3659   | 4077   | 4574   |
| 35° | 1051   | 1325   | 1409   |
| 40° | 292    | 472    | 382    |
| 45° | 97     | 97     | 97     |
| 50° | 107    | 0      | 107    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 173.4  | 35.7      |
| 10°-20°   | 253.5  | 52.2      |
| 20°-30°   | 53.6   | 11.0      |
| 30°-40°   | 4.9    | 1.0       |
| 40°-50°   | 0.5    | 0.1       |
| 50°-60°   | 0.0    | 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°    | 480.5  | 98.9      |
| 0°-40°    | 485.5  | 99.9      |
| 0°-60°    | 486.0  | 100.0     |
| 0°-90°    | 486.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 486.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2006 | 2006  | 2006 | 2006  | 2006 |      |
| 5°  | 1947 | 1943  | 1933 | 1927  | 1917 | 176  |
| 15° | 960  | 957   | 933  | 955   | 950  | 253  |
| 25° | 56   | 63    | 88   | 104   | 104  | 41   |
| 35° | 5    | 6     | 6    | 8     | 7    | 4    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 2005.7 | 2005.7 | 2005.7 | 2005.7 | 2005.7 |
| 1°    | 2006.2 | 2004.1 | 2001.1 | 2005.3 | 2002.4 |
| 2°    | 2002.0 | 1996.9 | 1992.8 | 1996.9 | 1995.7 |
| 3°    | 1989.4 | 1985.2 | 1982.3 | 1984.4 | 1984.4 |
| 4°    | 1970.5 | 1965.9 | 1963.4 | 1963.8 | 1957.6 |
| 5°    | 1946.7 | 1942.9 | 1933.3 | 1927.4 | 1917.3 |
| 6°    | 1911.5 | 1902.2 | 1890.5 | 1880.9 | 1867.9 |
| 7°    | 1863.7 | 1849.5 | 1832.7 | 1815.9 | 1799.6 |
| 8°    | 1787.0 | 1780.3 | 1757.7 | 1746.4 | 1730.0 |
| 9°    | 1715.0 | 1698.6 | 1674.3 | 1655.9 | 1647.1 |
| 10°   | 1624.0 | 1599.7 | 1574.2 | 1559.5 | 1548.6 |
| 11°   | 1516.4 | 1491.6 | 1471.1 | 1449.7 | 1433.0 |
| 12°   | 1389.8 | 1368.9 | 1345.4 | 1331.2 | 1311.5 |
| 13°   | 1239.8 | 1236.9 | 1210.5 | 1205.9 | 1203.4 |
| 14°   | 1111.2 | 1099.4 | 1073.5 | 1080.6 | 1082.3 |
| 15°   | 959.9  | 956.6  | 933.1  | 954.9  | 950.3  |
| 17.5° | 601.3  | 602.5  | 617.2  | 651.5  | 662.4  |
| 20°   | 316.8  | 326.4  | 365.8  | 407.3  | 421.9  |
| 22.5° | 128.2  | 149.6  | 189.8  | 217.9  | 236.7  |
| 25°   | 56.1   | 62.8   | 88.0   | 103.5  | 103.9  |
| 27.5° | 31.8   | 32.3   | 42.3   | 44.0   | 44.8   |
| 30°   | 18.4   | 18.9   | 20.5   | 21.8   | 23.0   |
| 32.5° | 10.1   | 10.9   | 11.3   | 13.0   | 13.0   |
| 35°   | 5.0    | 6.3    | 6.3    | 7.5    | 6.7    |
| 37.5° | 2.9    | 3.4    | 3.8    | 3.8    | 3.4    |
| 40°   | 1.3    | 1.7    | 2.1    | 2.1    | 1.7    |
| 42.5° | 0.4    | 0.8    | 0.8    | 0.8    | 1.3    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)