

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: P1312484

Luminaire Tested: P3SQAS13R459727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

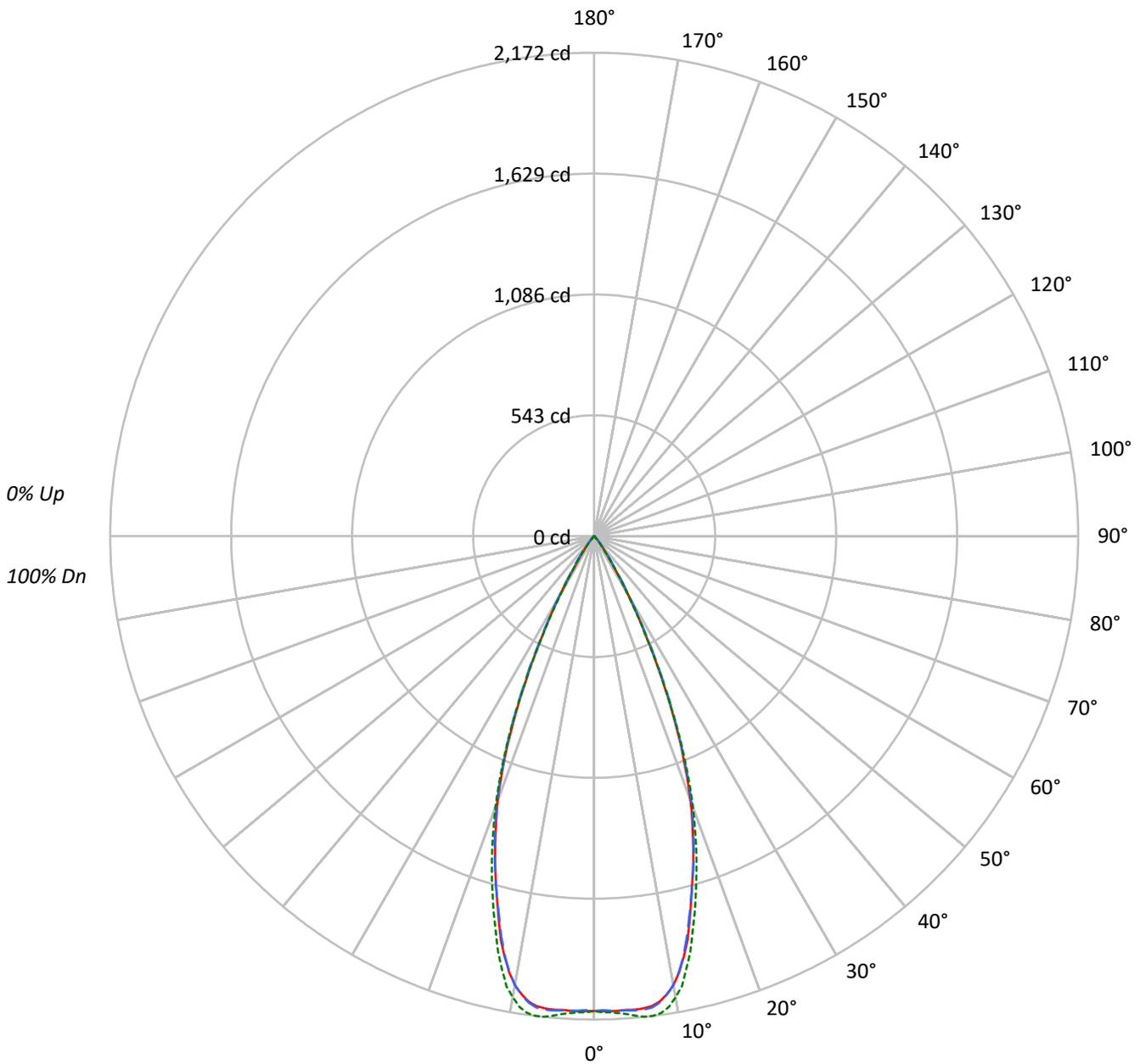
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.9 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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 (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | 0 | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 | 95 |
| 2 | 110 | 106 | 102 | 99 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 96 | 93 | 91 | 94 | 91 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 86 |
| 4 | 101 | 95 | 91 | 87 | 100 | 94 | 90 | 87 | 92 | 88 | 86 | 90 | 87 | 85 | 88 | 86 | 84 | 84 | 84 | 84 | 82 |
| 5 | 98 | 91 | 86 | 82 | 96 | 90 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 6 | 94 | 86 | 82 | 78 | 93 | 86 | 81 | 78 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 75 |
| 7 | 90 | 83 | 78 | 74 | 89 | 82 | 77 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 72 |
| 8 | 87 | 79 | 74 | 71 | 86 | 79 | 74 | 71 | 78 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 75 | 71 | 68 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 70 | 67 | 67 | 67 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 72 | 68 | 65 | 72 | 67 | 65 | 71 | 67 | 64 | 70 | 67 | 64 | 64 | 64 | 64 | 63 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 367368 | 367368 | 367368 |
| 5° | 369186 | 369895 | 374113 |
| 10° | 358223 | 357943 | 367911 |
| 15° | 300218 | 300076 | 311112 |
| 20° | 232082 | 234483 | 237763 |
| 25° | 142273 | 145218 | 142596 |
| 30° | 61012 | 63776 | 59083 |
| 35° | 19174 | 23106 | 18649 |
| 40° | 6587 | 8408 | 6407 |
| 45° | 1193 | 3556 | 999 |
| 50° | 643 | 1313 | 643 |
| 55° | 721 | 721 | 721 |
| 60° | 551 | 551 | 551 |
| 65° | 652 | 652 | 652 |
| 70° | 403 | 403 | 403 |
| 75° | 532 | 532 | 532 |
| 80° | 793 | 793 | 793 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3556 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 202.7 | 18.4 |
| 10°-20° | 468.5 | 42.4 |
| 20°-30° | 343.0 | 31.1 |
| 30°-40° | 75.8 | 6.9 |
| 40°-50° | 9.3 | 0.8 |
| 50°-60° | 2.1 | 0.2 |
| 60°-70° | 1.5 | 0.1 |
| 70°-80° | 0.9 | 0.1 |
| 80°-90° | 0.1 | 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 |
| 0°-30° | 1014.2 | 91.9 |
| 0°-40° | 1090.0 | 98.7 |
| 0°-60° | 1101.4 | 99.8 |
| 0°-90° | 1103.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1103.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2133 | 2133 | 2133 | 2133 | 2133 | |
| 5° | 2136 | 2134 | 2140 | 2155 | 2164 | 202 |
| 15° | 1684 | 1675 | 1683 | 1724 | 1745 | 465 |
| 25° | 749 | 748 | 764 | 758 | 750 | 339 |
| 35° | 91 | 96 | 110 | 96 | 89 | 72 |
| 45° | 5 | 8 | 15 | 8 | 4 | 7 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1312484

CATALOG NUMBER: P3SQAS13R459727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2133.1 | 2133.1 | 2133.1 | 2133.1 | 2133.1 |
| 1° | 2134.7 | 2131.5 | 2130.6 | 2136.3 | 2140.4 |
| 2° | 2136.3 | 2132.3 | 2133.1 | 2138.8 | 2141.2 |
| 3° | 2134.7 | 2130.6 | 2134.7 | 2142.8 | 2146.1 |
| 4° | 2133.9 | 2132.3 | 2136.3 | 2147.7 | 2153.4 |
| 5° | 2135.5 | 2133.9 | 2139.6 | 2155.1 | 2164.0 |
| 6° | 2133.1 | 2130.6 | 2138.8 | 2158.3 | 2171.3 |
| 7° | 2127.4 | 2124.9 | 2133.9 | 2157.5 | 2172.1 |
| 8° | 2111.9 | 2107.0 | 2116.0 | 2145.3 | 2163.2 |
| 9° | 2084.2 | 2077.7 | 2086.7 | 2120.9 | 2142.0 |
| 10° | 2048.4 | 2041.1 | 2046.8 | 2080.2 | 2103.8 |
| 11° | 1997.2 | 1987.4 | 1993.9 | 2029.7 | 2060.6 |
| 12° | 1932.1 | 1918.2 | 1926.4 | 1967.1 | 1989.0 |
| 13° | 1861.3 | 1848.2 | 1849.9 | 1886.5 | 1917.4 |
| 14° | 1773.4 | 1756.3 | 1763.6 | 1801.8 | 1826.3 |
| 15° | 1683.8 | 1674.9 | 1683.0 | 1723.7 | 1744.9 |
| 17.5° | 1478.8 | 1477.9 | 1485.3 | 1515.4 | 1526.8 |
| 20° | 1266.3 | 1268.8 | 1279.4 | 1295.6 | 1297.3 |
| 22.5° | 1014.9 | 1015.7 | 1027.1 | 1038.5 | 1036.0 |
| 25° | 748.7 | 747.9 | 764.2 | 758.5 | 750.4 |
| 27.5° | 496.4 | 499.7 | 514.3 | 503.8 | 495.6 |
| 30° | 306.8 | 313.3 | 320.7 | 307.6 | 297.1 |
| 32.5° | 166.0 | 176.6 | 187.2 | 175.8 | 165.2 |
| 35° | 91.2 | 96.0 | 109.9 | 96.0 | 88.7 |
| 37.5° | 52.9 | 55.3 | 64.3 | 55.3 | 50.5 |
| 40° | 29.3 | 33.4 | 37.4 | 33.4 | 28.5 |
| 42.5° | 12.2 | 18.7 | 22.8 | 18.7 | 12.2 |
| 45° | 4.9 | 8.1 | 14.6 | 8.1 | 4.1 |
| 47.5° | 2.4 | 3.3 | 9.0 | 3.3 | 2.4 |
| 50° | 2.4 | 2.4 | 4.9 | 2.4 | 2.4 |
| 52.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 55° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 57.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 60° | 1.6 | 1.6 | 1.6 | 2.4 | 1.6 |
| 62.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 65° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 67.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 70° | 0.8 | 0.8 | 0.8 | 1.6 | 0.8 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)