

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: P1313262

Luminaire Tested: P3SQAS09R359730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

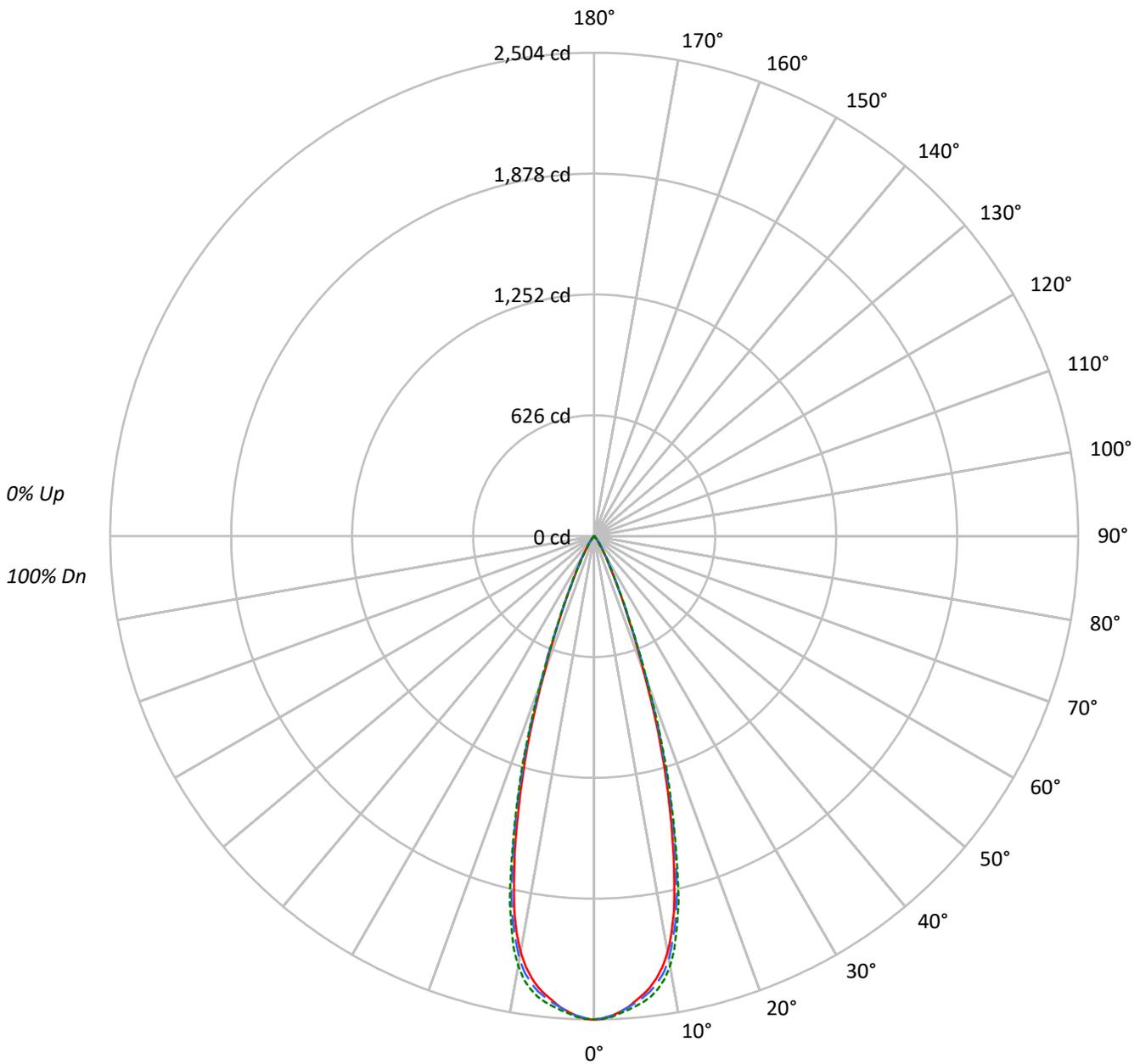
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.1 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98 | 99 | 98 | 96 | 97 | 95 | 94 | 94 | 94 | 94 | 93 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 4 | 103 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 91 | 89 | 87 | 86 |
| 5 | 100 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 89 | 86 | 84 | 83 |
| 6 | 97 | 90 | 86 | 83 | 96 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 7 | 94 | 87 | 83 | 80 | 93 | 87 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 78 | 83 | 81 | 78 | 77 |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 79 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 76 | 75 |
| 9 | 88 | 81 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 73 | 79 | 76 | 73 | 72 |
| 10 | 86 | 79 | 75 | 72 | 85 | 78 | 74 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 71 | 76 | 73 | 71 | 70 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 431194 | 431194 | 431194 |
| 5° | 418423 | 419909 | 422745 |
| 10° | 382759 | 389404 | 395367 |
| 15° | 274739 | 284813 | 287737 |
| 20° | 138208 | 146254 | 146620 |
| 25° | 52371 | 54006 | 54253 |
| 30° | 21279 | 24401 | 20881 |
| 35° | 7737 | 11732 | 7443 |
| 40° | 3237 | 5014 | 3103 |
| 45° | 804 | 2070 | 804 |
| 50° | 536 | 884 | 536 |
| 55° | 601 | 601 | 601 |
| 60° | 689 | 689 | 689 |
| 65° | 530 | 530 | 530 |
| 70° | 352 | 352 | 352 |
| 75° | 466 | 466 | 466 |
| 80° | 694 | 694 | 694 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2070 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 226.4 | 26.9 |
| 10°-20° | 421.7 | 50.1 |
| 20°-30° | 151.7 | 18.0 |
| 30°-40° | 31.9 | 3.8 |
| 40°-50° | 5.5 | 0.7 |
| 50°-60° | 1.8 | 0.2 |
| 60°-70° | 1.3 | 0.2 |
| 70°-80° | 0.7 | 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° | 799.7 | 95.1 |
| 0°-40° | 831.6 | 98.9 |
| 0°-60° | 838.9 | 99.7 |
| 0°-90° | 841.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 841.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2504 | 2504 | 2504 | 2504 | 2504 | |
| 5° | 2420 | 2425 | 2429 | 2445 | 2445 | 224 |
| 15° | 1541 | 1568 | 1597 | 1614 | 1614 | 410 |
| 25° | 276 | 280 | 284 | 287 | 286 | 147 |
| 35° | 37 | 43 | 56 | 43 | 35 | 28 |
| 45° | 3 | 5 | 8 | 5 | 3 | 4 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1313262

CATALOG NUMBER: P3SQAS09R359730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2503.7 | 2503.7 | 2503.7 | 2503.7 | 2503.7 |
| 1° | 2502.4 | 2502.4 | 2497.1 | 2503.0 | 2501.0 |
| 2° | 2488.6 | 2489.9 | 2486.6 | 2493.8 | 2493.2 |
| 3° | 2469.5 | 2472.8 | 2470.2 | 2480.7 | 2477.4 |
| 4° | 2449.2 | 2451.8 | 2450.5 | 2463.6 | 2462.3 |
| 5° | 2420.3 | 2424.9 | 2428.9 | 2445.3 | 2445.3 |
| 6° | 2390.8 | 2395.4 | 2403.9 | 2421.6 | 2427.5 |
| 7° | 2356.7 | 2362.6 | 2376.4 | 2400.0 | 2403.9 |
| 8° | 2313.4 | 2319.9 | 2338.9 | 2364.5 | 2369.8 |
| 9° | 2259.5 | 2269.4 | 2291.0 | 2321.9 | 2325.2 |
| 10° | 2188.7 | 2196.5 | 2226.7 | 2252.3 | 2260.8 |
| 11° | 2096.8 | 2103.3 | 2130.3 | 2171.6 | 2176.8 |
| 12° | 1985.2 | 1993.1 | 2027.9 | 2054.8 | 2060.0 |
| 13° | 1844.1 | 1859.2 | 1901.2 | 1927.5 | 1941.9 |
| 14° | 1699.1 | 1719.4 | 1749.6 | 1787.0 | 1777.8 |
| 15° | 1540.9 | 1567.8 | 1597.4 | 1614.4 | 1613.8 |
| 17.5° | 1153.1 | 1168.8 | 1195.1 | 1204.9 | 1218.0 |
| 20° | 754.1 | 774.4 | 798.0 | 807.2 | 800.0 |
| 22.5° | 467.9 | 473.2 | 480.4 | 484.3 | 483.0 |
| 25° | 275.6 | 279.6 | 284.2 | 286.8 | 285.5 |
| 27.5° | 166.0 | 175.2 | 181.8 | 173.9 | 169.3 |
| 30° | 107.0 | 110.9 | 122.7 | 112.2 | 105.0 |
| 32.5° | 63.7 | 72.8 | 82.7 | 70.2 | 61.0 |
| 35° | 36.8 | 43.3 | 55.8 | 42.7 | 35.4 |
| 37.5° | 23.6 | 26.9 | 36.1 | 26.3 | 23.0 |
| 40° | 14.4 | 18.4 | 22.3 | 17.1 | 13.8 |
| 42.5° | 7.2 | 11.2 | 13.1 | 9.8 | 7.2 |
| 45° | 3.3 | 5.3 | 8.5 | 5.3 | 3.3 |
| 47.5° | 2.0 | 2.6 | 5.3 | 2.6 | 2.0 |
| 50° | 2.0 | 2.0 | 3.3 | 2.0 | 2.0 |
| 52.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 55° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 57.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 60° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 62.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 65° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 67.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 70° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 72.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 75° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.7 | 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)