

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: PORTFOLIO

Report Number: P1313875

Luminaire Tested: LDSQA3D17R509727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

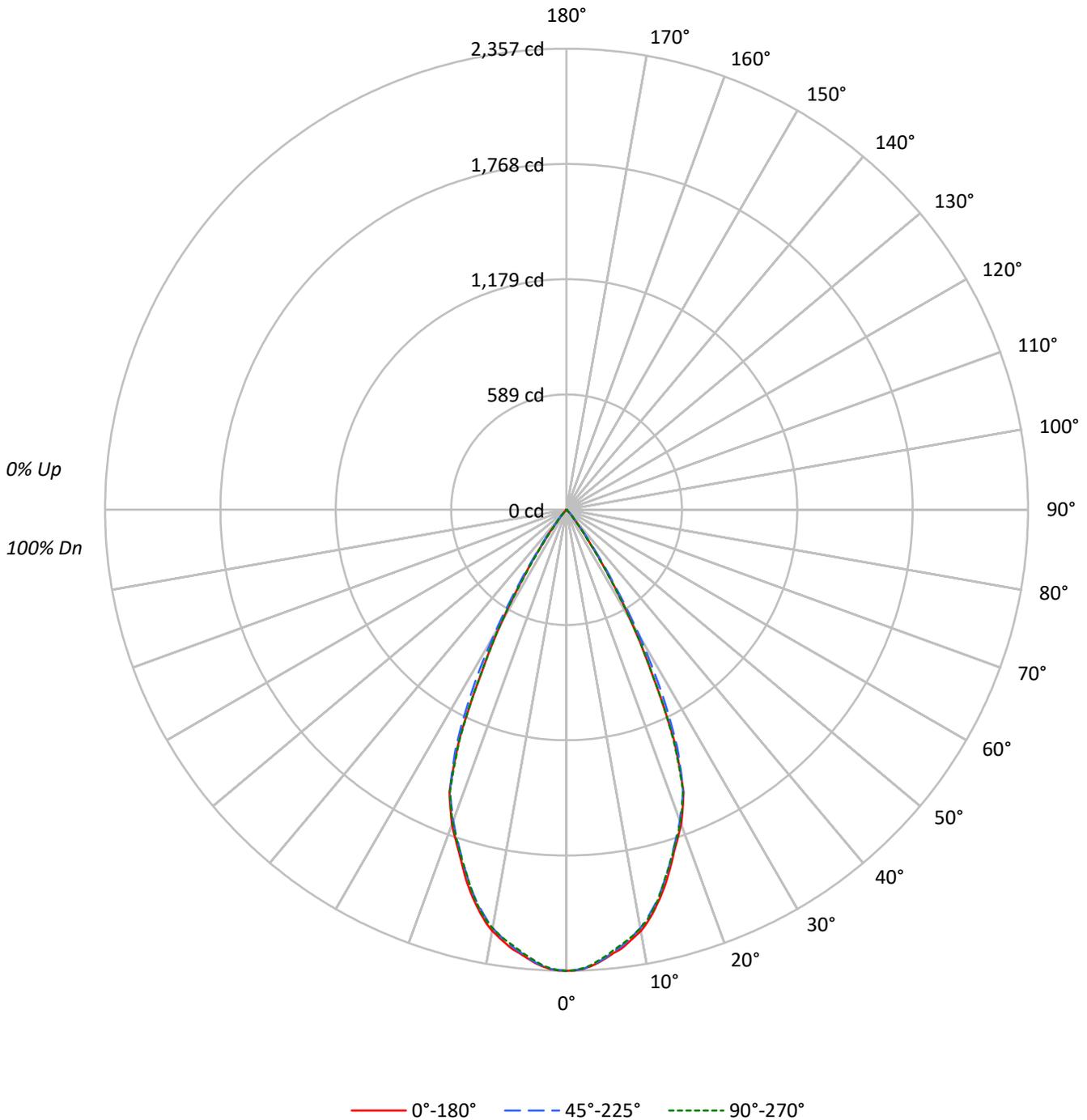
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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





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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 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 94 | 91 | 103 | 98 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 93 | 89 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 90 | 83 | 78 | 75 | 82 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 74 | 71 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 69 | 69 | 69 | 68 |
| 8 | 84 | 76 | 71 | 67 | 83 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 72 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 72 | 67 | 64 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 60 | 77 | 69 | 64 | 60 | 68 | 63 | 60 | 67 | 63 | 60 | 66 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 405946 | 405946 | 405946 |
| 5° | 397988 | 397245 | 396121 |
| 10° | 382409 | 379768 | 379961 |
| 15° | 351051 | 347788 | 347396 |
| 20° | 313621 | 310267 | 311843 |
| 25° | 246484 | 253667 | 244450 |
| 30° | 131868 | 147737 | 132305 |
| 35° | 43079 | 50333 | 40577 |
| 40° | 10657 | 13332 | 10184 |
| 45° | 1315 | 4725 | 1315 |
| 50° | 857 | 1447 | 857 |
| 55° | 961 | 961 | 961 |
| 60° | 758 | 758 | 758 |
| 65° | 897 | 897 | 897 |
| 70° | 554 | 554 | 554 |
| 75° | 732 | 732 | 732 |
| 80° | 1091 | 1091 | 1091 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4725 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 215.5 | 14.2 |
| 10°-20° | 545.1 | 35.9 |
| 20°-30° | 573.3 | 37.7 |
| 30°-40° | 165.2 | 10.9 |
| 40°-50° | 13.4 | 0.9 |
| 50°-60° | 2.9 | 0.2 |
| 60°-70° | 2.1 | 0.1 |
| 70°-80° | 1.2 | 0.1 |
| 80°-90° | 0.3 | 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° | 1334.0 | 87.8 |
| 0°-40° | 1499.2 | 98.7 |
| 0°-60° | 1515.5 | 99.8 |
| 0°-90° | 1519.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1519.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2357 | 2357 | 2357 | 2357 | 2357 | |
| 5° | 2302 | 2301 | 2298 | 2300 | 2291 | 216 |
| 15° | 1969 | 1956 | 1951 | 1951 | 1948 | 548 |
| 25° | 1297 | 1330 | 1335 | 1320 | 1286 | 562 |
| 35° | 205 | 212 | 239 | 205 | 193 | 158 |
| 45° | 5 | 11 | 19 | 11 | 5 | 10 |
| 55° | 3 | 3 | 3 | 3 | 3 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1313875
 CATALOG NUMBER: LDSQA3D17R509727DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2357.1 | 2357.1 | 2357.1 | 2357.1 | 2357.1 |
| 1° | 2356.0 | 2358.1 | 2353.8 | 2361.4 | 2354.9 |
| 2° | 2350.6 | 2351.7 | 2349.5 | 2354.9 | 2346.3 |
| 3° | 2337.7 | 2339.8 | 2335.5 | 2339.8 | 2332.3 |
| 4° | 2322.6 | 2322.6 | 2318.3 | 2321.5 | 2311.8 |
| 5° | 2302.1 | 2301.0 | 2297.8 | 2299.9 | 2291.3 |
| 6° | 2280.5 | 2279.4 | 2274.0 | 2274.0 | 2267.6 |
| 7° | 2264.3 | 2256.8 | 2252.5 | 2251.4 | 2244.9 |
| 8° | 2238.5 | 2236.3 | 2227.7 | 2227.7 | 2223.4 |
| 9° | 2212.6 | 2210.4 | 2200.7 | 2202.9 | 2199.6 |
| 10° | 2186.7 | 2179.2 | 2171.6 | 2172.7 | 2172.7 |
| 11° | 2152.2 | 2145.7 | 2135.0 | 2139.3 | 2141.4 |
| 12° | 2111.2 | 2103.7 | 2094.0 | 2102.6 | 2101.5 |
| 13° | 2065.9 | 2059.5 | 2051.9 | 2058.4 | 2056.2 |
| 14° | 2018.5 | 2008.8 | 2002.3 | 2006.6 | 2004.5 |
| 15° | 1968.9 | 1956.0 | 1950.6 | 1950.6 | 1948.4 |
| 17.5° | 1829.8 | 1822.3 | 1816.9 | 1813.6 | 1821.2 |
| 20° | 1711.2 | 1704.7 | 1692.9 | 1696.1 | 1701.5 |
| 22.5° | 1562.4 | 1561.3 | 1554.8 | 1549.5 | 1555.9 |
| 25° | 1297.1 | 1329.5 | 1334.9 | 1319.8 | 1286.4 |
| 27.5° | 942.4 | 1017.9 | 1044.8 | 1009.2 | 947.8 |
| 30° | 663.1 | 698.7 | 742.9 | 672.8 | 665.3 |
| 32.5° | 400.0 | 409.7 | 450.7 | 402.2 | 391.4 |
| 35° | 204.9 | 212.4 | 239.4 | 204.9 | 193.0 |
| 37.5° | 96.0 | 100.3 | 111.1 | 96.0 | 89.5 |
| 40° | 47.4 | 52.8 | 59.3 | 49.6 | 45.3 |
| 42.5° | 20.5 | 27.0 | 34.5 | 25.9 | 18.3 |
| 45° | 5.4 | 10.8 | 19.4 | 10.8 | 5.4 |
| 47.5° | 3.2 | 4.3 | 10.8 | 4.3 | 3.2 |
| 50° | 3.2 | 3.2 | 5.4 | 3.2 | 3.2 |
| 52.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 55° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 57.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 60° | 2.2 | 3.2 | 2.2 | 3.2 | 2.2 |
| 62.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 65° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 67.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 70° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 72.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 75° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.0 | 1.1 | 0.0 | 1.1 | 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)