

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: P1309632

Luminaire Tested: LDSQA3D20R709030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

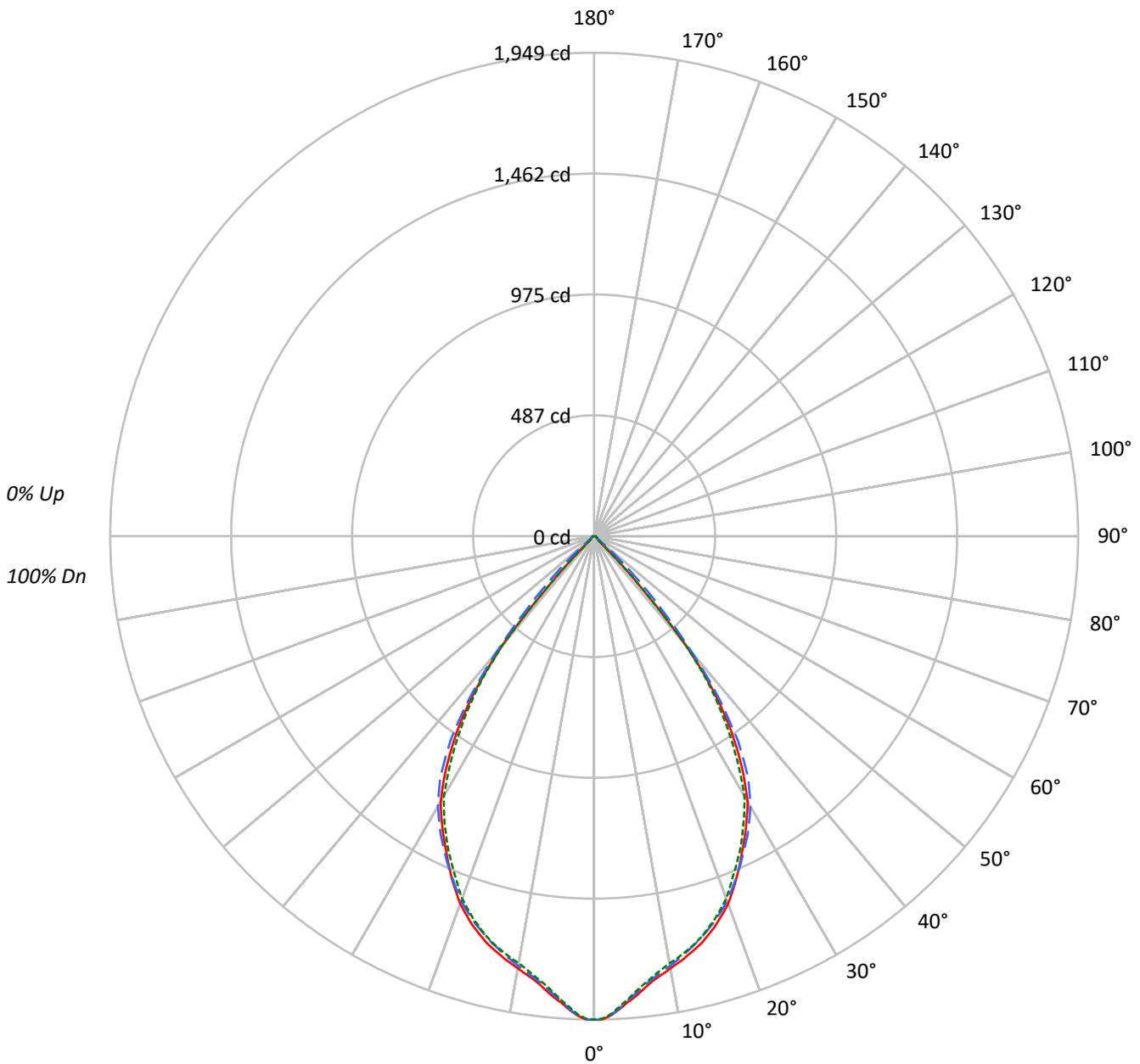
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2078.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 69 | 69 | 69 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 51 | 51 | 51 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 335645 | 335645 | 335645 |
| 5° | 322612 | 320866 | 319691 |
| 10° | 309519 | 307735 | 305672 |
| 15° | 301716 | 298400 | 298096 |
| 20° | 289080 | 286918 | 285067 |
| 25° | 267653 | 269572 | 264441 |
| 30° | 245838 | 250213 | 240806 |
| 35° | 202739 | 212326 | 194918 |
| 40° | 129092 | 138962 | 129092 |
| 45° | 9060 | 60062 | 9864 |
| 50° | 4073 | 12218 | 4073 |
| 55° | 4564 | 4564 | 4564 |
| 60° | 4650 | 4650 | 4650 |
| 65° | 4116 | 4809 | 4116 |
| 70° | 4230 | 5086 | 4230 |
| 75° | 4525 | 4525 | 4525 |
| 80° | 5058 | 5058 | 5058 |
| 85° | 3359 | 6719 | 3359 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 60062 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 173.9 | 8.4 |
| 10°-20° | 470.8 | 22.7 |
| 20°-30° | 647.2 | 31.1 |
| 30°-40° | 592.8 | 28.5 |
| 40°-50° | 157.3 | 7.6 |
| 50°-60° | 14.0 | 0.7 |
| 60°-70° | 11.4 | 0.5 |
| 70°-80° | 7.6 | 0.4 |
| 80°-90° | 2.9 | 0.1 |
| 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° | 1291.9 | 62.2 |
| 0°-40° | 1884.7 | 90.7 |
| 0°-60° | 2056.1 | 98.9 |
| 0°-90° | 2078.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2078.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1949 | 1949 | 1949 | 1949 | 1949 | |
| 5° | 1866 | 1858 | 1856 | 1853 | 1849 | 175 |
| 15° | 1692 | 1677 | 1674 | 1674 | 1672 | 475 |
| 25° | 1408 | 1414 | 1419 | 1402 | 1392 | 647 |
| 35° | 964 | 980 | 1010 | 964 | 927 | 585 |
| 45° | 37 | 127 | 247 | 128 | 40 | 112 |
| 55° | 15 | 15 | 15 | 15 | 15 | 13 |
| 65° | 10 | 12 | 12 | 12 | 10 | 11 |
| 75° | 7 | 7 | 7 | 7 | 7 | 7 |
| 85° | 2 | 3 | 3 | 3 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1309632
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1948.9 | 1948.9 | 1948.9 | 1948.9 | 1948.9 |
| 1° | 1948.9 | 1945.5 | 1948.9 | 1948.9 | 1945.5 |
| 2° | 1933.7 | 1930.3 | 1932.0 | 1930.3 | 1928.6 |
| 3° | 1911.7 | 1906.6 | 1908.3 | 1905.0 | 1901.6 |
| 4° | 1886.4 | 1881.3 | 1881.3 | 1879.6 | 1876.3 |
| 5° | 1866.1 | 1857.7 | 1856.0 | 1852.6 | 1849.2 |
| 6° | 1842.5 | 1834.0 | 1832.3 | 1827.3 | 1823.9 |
| 7° | 1818.8 | 1812.1 | 1810.4 | 1803.6 | 1803.6 |
| 8° | 1800.3 | 1791.8 | 1791.8 | 1783.4 | 1783.4 |
| 9° | 1785.1 | 1774.9 | 1774.9 | 1768.2 | 1764.8 |
| 10° | 1769.9 | 1759.7 | 1759.7 | 1751.3 | 1747.9 |
| 11° | 1754.7 | 1746.2 | 1742.8 | 1737.8 | 1736.1 |
| 12° | 1741.1 | 1729.3 | 1725.9 | 1724.3 | 1720.9 |
| 13° | 1724.3 | 1712.4 | 1709.1 | 1707.4 | 1705.7 |
| 14° | 1709.1 | 1693.9 | 1692.2 | 1688.8 | 1690.5 |
| 15° | 1692.2 | 1677.0 | 1673.6 | 1673.6 | 1671.9 |
| 17.5° | 1639.8 | 1629.7 | 1624.6 | 1621.2 | 1617.9 |
| 20° | 1577.3 | 1568.9 | 1565.5 | 1558.8 | 1555.4 |
| 22.5° | 1496.3 | 1494.6 | 1492.9 | 1484.5 | 1470.9 |
| 25° | 1408.5 | 1413.5 | 1418.6 | 1401.7 | 1391.6 |
| 27.5° | 1324.0 | 1337.5 | 1342.6 | 1325.7 | 1303.7 |
| 30° | 1236.2 | 1248.0 | 1258.2 | 1234.5 | 1210.9 |
| 32.5° | 1109.5 | 1138.2 | 1153.4 | 1126.4 | 1072.4 |
| 35° | 964.3 | 979.5 | 1009.9 | 964.3 | 927.1 |
| 37.5° | 795.4 | 803.9 | 827.5 | 797.1 | 771.8 |
| 40° | 574.2 | 599.5 | 618.1 | 599.5 | 574.2 |
| 42.5° | 258.4 | 361.4 | 408.7 | 381.7 | 270.2 |
| 45° | 37.2 | 126.7 | 246.6 | 128.3 | 40.5 |
| 47.5° | 15.2 | 20.3 | 128.3 | 18.6 | 15.2 |
| 50° | 15.2 | 15.2 | 45.6 | 15.2 | 15.2 |
| 52.5° | 15.2 | 15.2 | 16.9 | 15.2 | 15.2 |
| 55° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 57.5° | 13.5 | 13.5 | 15.2 | 13.5 | 13.5 |
| 60° | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |
| 62.5° | 11.8 | 13.5 | 13.5 | 13.5 | 11.8 |
| 65° | 10.1 | 11.8 | 11.8 | 11.8 | 10.1 |
| 67.5° | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 70° | 8.4 | 10.1 | 10.1 | 10.1 | 8.4 |
| 72.5° | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 75° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 |
| 77.5° | 5.1 | 6.8 | 6.8 | 6.8 | 5.1 |
| 80° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 82.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 85° | 1.7 | 3.4 | 3.4 | 3.4 | 1.7 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |



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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)