

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: P1308938

Luminaire Tested: LDSQA3D05R359030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308938
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: PORTFOLIO
Catalog Number: LDSQA3D05R359030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

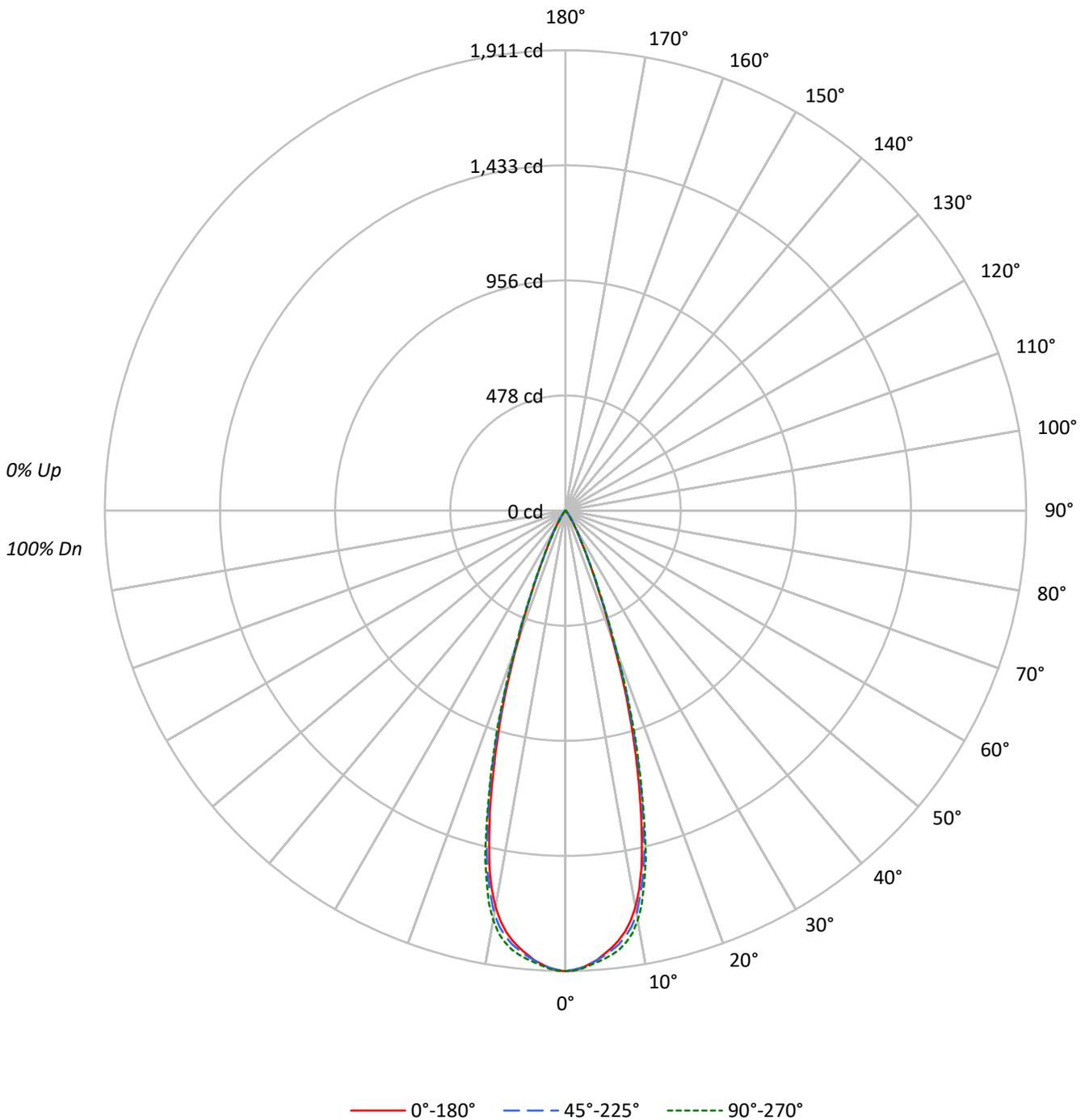
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 89.2 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): 7.2
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





TEST NUMBER: P1308938

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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° | 329152 | 329152 | 329152 |
| 5° | 319414 | 320538 | 322716 |
| 10° | 292189 | 297260 | 301824 |
| 15° | 209732 | 217417 | 219645 |
| 20° | 105493 | 111651 | 111926 |
| 25° | 39982 | 41217 | 41407 |
| 30° | 16247 | 18634 | 15949 |
| 35° | 5908 | 8956 | 5698 |
| 40° | 2473 | 3822 | 2361 |
| 45° | 609 | 1583 | 609 |
| 50° | 402 | 670 | 402 |
| 55° | 450 | 450 | 450 |
| 60° | 517 | 517 | 517 |
| 65° | 408 | 408 | 408 |
| 70° | 252 | 252 | 252 |
| 75° | 333 | 333 | 333 |
| 80° | 496 | 496 | 496 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1583 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 172.8 | 26.9 |
| 10°-20° | 321.9 | 50.1 |
| 20°-30° | 115.8 | 18.0 |
| 30°-40° | 24.3 | 3.8 |
| 40°-50° | 4.2 | 0.7 |
| 50°-60° | 1.4 | 0.2 |
| 60°-70° | 1.0 | 0.2 |
| 70°-80° | 0.5 | 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° | 610.5 | 95.1 |
| 0°-40° | 634.8 | 98.9 |
| 0°-60° | 640.4 | 99.8 |
| 0°-90° | 642.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 642.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1911 | 1911 | 1911 | 1911 | 1911 | |
| 5° | 1848 | 1851 | 1854 | 1867 | 1867 | 171 |
| 15° | 1176 | 1197 | 1219 | 1232 | 1232 | 313 |
| 25° | 210 | 213 | 217 | 219 | 218 | 112 |
| 35° | 28 | 33 | 43 | 33 | 27 | 21 |
| 45° | 2 | 4 | 6 | 4 | 2 | 3 |
| 55° | 2 | 2 | 2 | 2 | 2 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308938

CATALOG NUMBER: LDSQA3D05R359030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1911.2 | 1911.2 | 1911.2 | 1911.2 | 1911.2 |
| 1° | 1910.2 | 1910.2 | 1906.2 | 1910.7 | 1909.2 |
| 2° | 1899.7 | 1900.7 | 1898.2 | 1903.7 | 1903.2 |
| 3° | 1885.2 | 1887.7 | 1885.7 | 1893.7 | 1891.2 |
| 4° | 1869.7 | 1871.7 | 1870.7 | 1880.7 | 1879.7 |
| 5° | 1847.6 | 1851.1 | 1854.1 | 1866.7 | 1866.7 |
| 6° | 1825.1 | 1828.6 | 1835.1 | 1848.6 | 1853.1 |
| 7° | 1799.0 | 1803.5 | 1814.1 | 1832.1 | 1835.1 |
| 8° | 1766.0 | 1771.0 | 1785.5 | 1805.0 | 1809.0 |
| 9° | 1724.9 | 1732.4 | 1748.9 | 1772.5 | 1775.0 |
| 10° | 1670.8 | 1676.8 | 1699.8 | 1719.4 | 1725.9 |
| 11° | 1600.6 | 1605.6 | 1626.2 | 1657.7 | 1661.8 |
| 12° | 1515.5 | 1521.5 | 1548.0 | 1568.6 | 1572.6 |
| 13° | 1407.8 | 1419.3 | 1451.3 | 1471.4 | 1482.4 |
| 14° | 1297.0 | 1312.6 | 1335.6 | 1364.2 | 1357.2 |
| 15° | 1176.3 | 1196.8 | 1219.4 | 1232.4 | 1231.9 |
| 17.5° | 880.2 | 892.2 | 912.3 | 919.8 | 929.8 |
| 20° | 575.6 | 591.2 | 609.2 | 616.2 | 610.7 |
| 22.5° | 357.2 | 361.2 | 366.7 | 369.7 | 368.7 |
| 25° | 210.4 | 213.4 | 216.9 | 218.9 | 217.9 |
| 27.5° | 126.7 | 133.8 | 138.8 | 132.8 | 129.3 |
| 30° | 81.7 | 84.7 | 93.7 | 85.7 | 80.2 |
| 32.5° | 48.6 | 55.6 | 63.1 | 53.6 | 46.6 |
| 35° | 28.1 | 33.1 | 42.6 | 32.6 | 27.1 |
| 37.5° | 18.0 | 20.5 | 27.6 | 20.0 | 17.5 |
| 40° | 11.0 | 14.0 | 17.0 | 13.0 | 10.5 |
| 42.5° | 5.5 | 8.5 | 10.0 | 7.5 | 5.5 |
| 45° | 2.5 | 4.0 | 6.5 | 4.0 | 2.5 |
| 47.5° | 1.5 | 2.0 | 4.0 | 2.0 | 1.5 |
| 50° | 1.5 | 1.5 | 2.5 | 1.5 | 1.5 |
| 52.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 55° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 57.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 60° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 67.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 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)