

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: P1318938

Luminaire Tested: LDSQA3D05R309835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

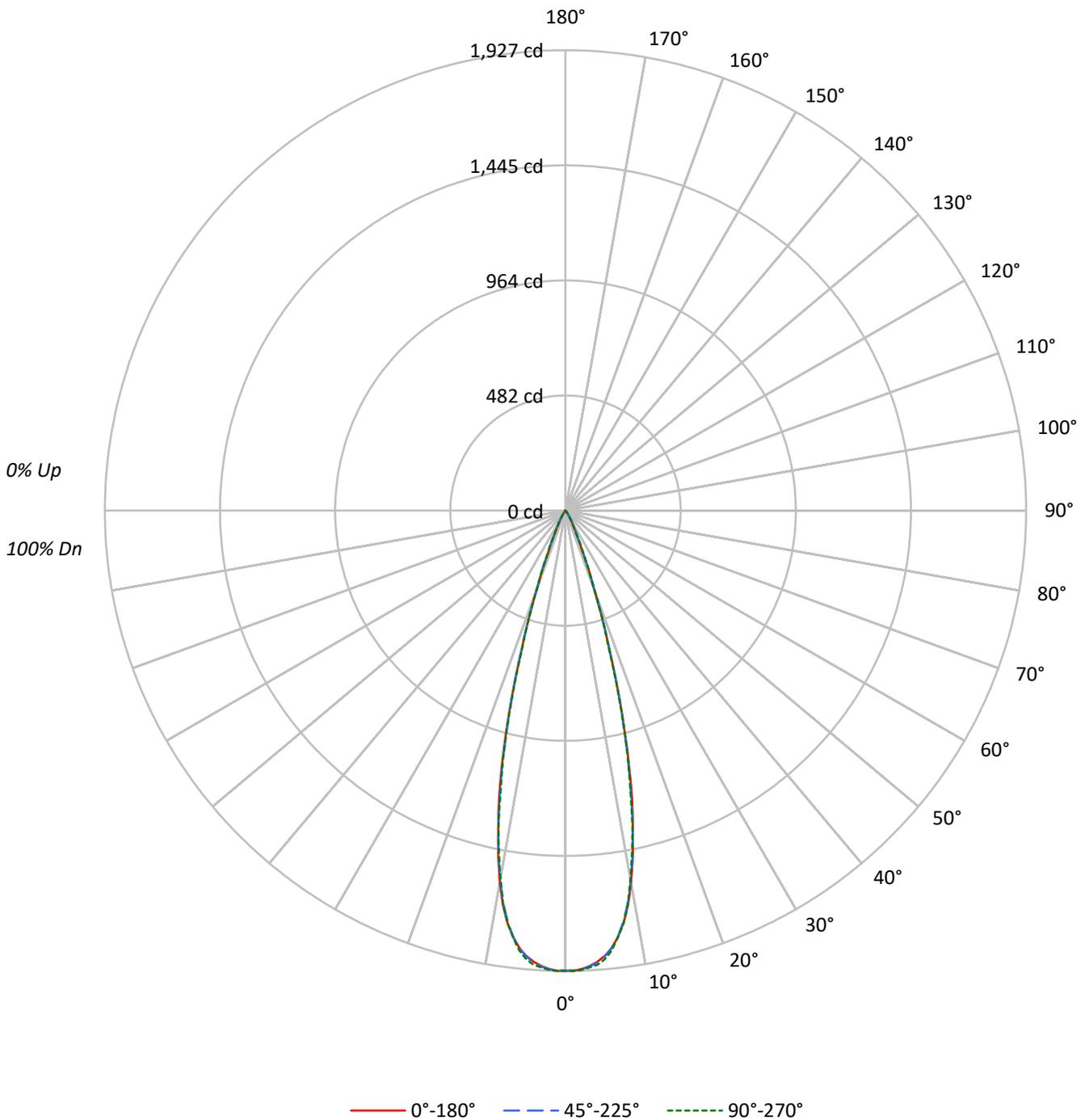
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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 (Ain): 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: P1318938

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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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99 | 100 | 99 | 97 | 98 | 96 | 95 | 95 | 94 | 94 | 94 |
| 3 | 108 | 104 | 100 | 97 | 106 | 102 | 99 | 97 | 100 | 97 | 95 | 98 | 95 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 91 |
| 4 | 105 | 100 | 96 | 93 | 103 | 99 | 95 | 92 | 97 | 94 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 89 | 89 | 89 | 88 |
| 5 | 102 | 96 | 92 | 89 | 101 | 95 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 6 | 99 | 93 | 89 | 86 | 98 | 92 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 84 | 84 | 84 | 83 |
| 7 | 96 | 90 | 86 | 83 | 95 | 90 | 86 | 83 | 89 | 85 | 83 | 87 | 85 | 82 | 87 | 84 | 82 | 82 | 82 | 82 | 81 |
| 8 | 94 | 88 | 84 | 81 | 93 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 82 | 80 | 80 | 80 | 80 | 79 |
| 9 | 91 | 85 | 81 | 78 | 91 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 82 | 80 | 78 | 78 | 78 | 78 | 77 |
| 10 | 89 | 83 | 79 | 76 | 88 | 82 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 80 | 78 | 76 | 76 | 76 | 76 | 75 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 331718 | 331718 | 331718 |
| 5° | 323632 | 324030 | 325828 |
| 10° | 276397 | 275120 | 273494 |
| 15° | 170578 | 168581 | 169187 |
| 20° | 64458 | 64825 | 64751 |
| 25° | 19839 | 21739 | 20713 |
| 30° | 7994 | 10142 | 8293 |
| 35° | 2355 | 4310 | 2439 |
| 40° | 967 | 1731 | 967 |
| 45° | 195 | 560 | 195 |
| 50° | 0 | 107 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 169.9 | 34.2 |
| 10°-20° | 251.5 | 50.6 |
| 20°-30° | 62.4 | 12.6 |
| 30°-40° | 11.7 | 2.4 |
| 40°-50° | 1.5 | 0.3 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 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° | 483.8 | 97.3 |
| 0°-40° | 495.5 | 99.7 |
| 0°-60° | 497.0 | 100.0 |
| 0°-90° | 497.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 497.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1926 | 1926 | 1926 | 1926 | 1926 | |
| 5° | 1872 | 1871 | 1874 | 1877 | 1885 | 170 |
| 15° | 957 | 947 | 946 | 953 | 949 | 253 |
| 25° | 104 | 111 | 114 | 114 | 109 | 60 |
| 35° | 11 | 15 | 20 | 15 | 12 | 9 |
| 45° | 1 | 1 | 2 | 2 | 1 | 1 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1318938

CATALOG NUMBER: LDSQA3D05R309835DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1926.1 | 1926.1 | 1926.1 | 1926.1 | 1926.1 |
| 1° | 1926.9 | 1925.3 | 1925.3 | 1923.0 | 1927.3 |
| 2° | 1919.9 | 1918.4 | 1921.1 | 1919.2 | 1924.6 |
| 3° | 1909.5 | 1907.6 | 1911.4 | 1912.6 | 1915.3 |
| 4° | 1894.0 | 1892.5 | 1896.7 | 1899.1 | 1906.4 |
| 5° | 1872.0 | 1871.2 | 1874.3 | 1877.4 | 1884.7 |
| 6° | 1841.8 | 1840.7 | 1842.6 | 1846.5 | 1851.1 |
| 7° | 1798.2 | 1795.8 | 1797.4 | 1798.2 | 1799.3 |
| 8° | 1742.9 | 1739.4 | 1737.5 | 1741.7 | 1744.1 |
| 9° | 1671.8 | 1667.9 | 1663.7 | 1662.1 | 1667.5 |
| 10° | 1580.5 | 1574.7 | 1573.2 | 1569.3 | 1563.9 |
| 11° | 1474.6 | 1470.0 | 1468.8 | 1461.9 | 1458.8 |
| 12° | 1353.3 | 1350.9 | 1353.6 | 1349.4 | 1347.9 |
| 13° | 1236.9 | 1222.2 | 1220.3 | 1212.2 | 1207.9 |
| 14° | 1099.3 | 1085.8 | 1085.4 | 1081.1 | 1086.9 |
| 15° | 956.7 | 947.4 | 945.5 | 952.8 | 948.9 |
| 17.5° | 610.0 | 616.1 | 614.6 | 610.7 | 604.2 |
| 20° | 351.7 | 347.5 | 353.7 | 355.2 | 353.3 |
| 22.5° | 187.5 | 189.0 | 190.2 | 194.8 | 197.9 |
| 25° | 104.4 | 111.3 | 114.4 | 114.0 | 109.0 |
| 27.5° | 64.9 | 69.2 | 75.0 | 71.1 | 66.9 |
| 30° | 40.2 | 43.7 | 51.0 | 44.1 | 41.7 |
| 32.5° | 21.6 | 27.4 | 32.9 | 27.4 | 22.4 |
| 35° | 11.2 | 14.7 | 20.5 | 15.1 | 11.6 |
| 37.5° | 7.3 | 8.5 | 13.1 | 8.5 | 7.3 |
| 40° | 4.3 | 5.4 | 7.7 | 5.4 | 4.3 |
| 42.5° | 1.9 | 3.1 | 4.3 | 3.1 | 1.9 |
| 45° | 0.8 | 1.2 | 2.3 | 1.5 | 0.8 |
| 47.5° | 0.0 | 0.4 | 1.2 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)