

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: P1317840

Luminaire Tested: LDSQA3D20R609827D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609827D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

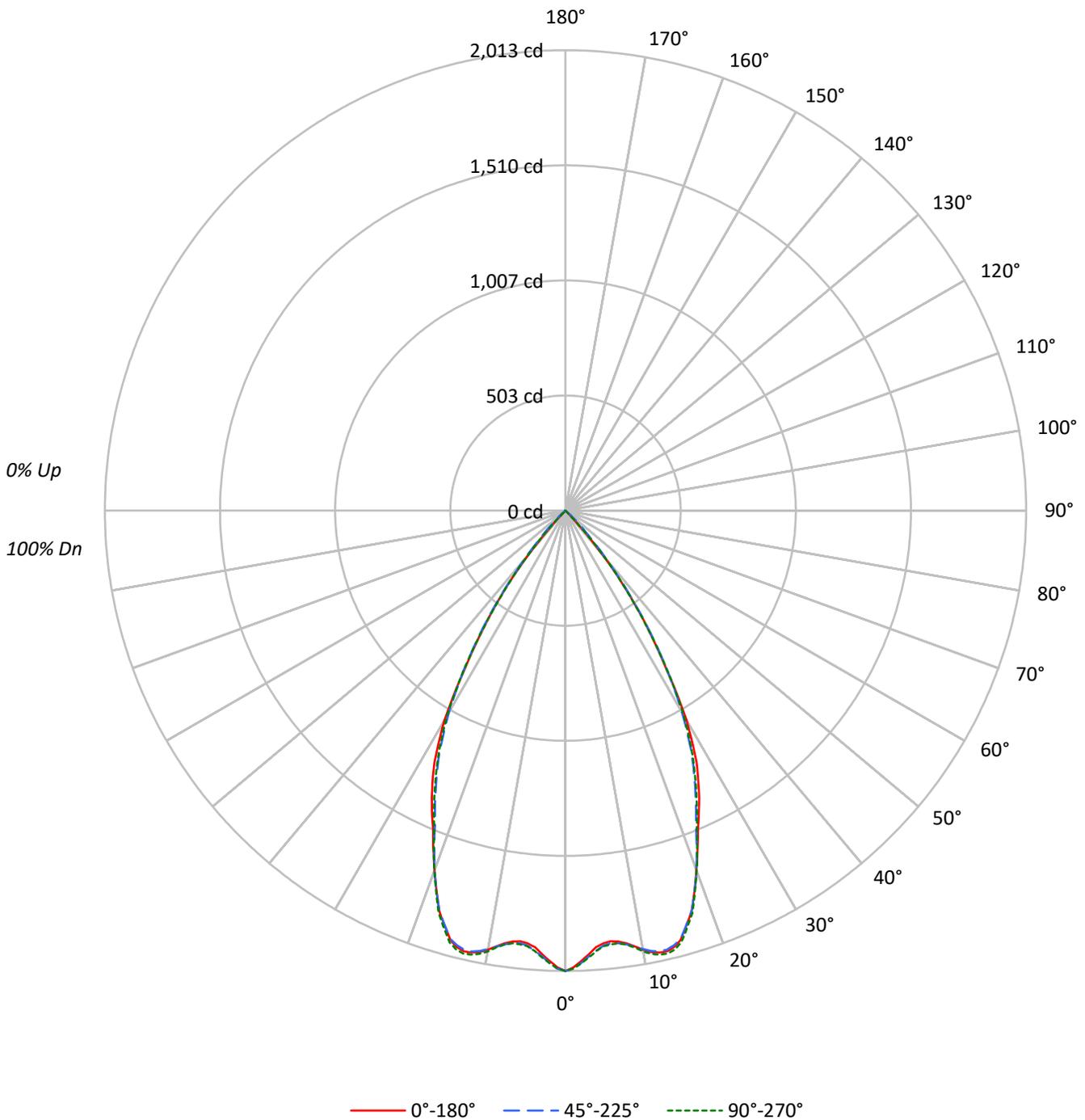
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1784.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 88 | 86 | 84 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 84 | 81 | 78 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 79 | 76 | 73 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 75 | 72 | 69 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 71 | 67 | 64 | 63 |
| 8 | 81 | 71 | 66 | 62 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 68 | 64 | 61 | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 64 | 60 | 57 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 61 | 57 | 54 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 346701 | 346701 | 346701 |
| 5° | 328352 | 330081 | 330565 |
| 10° | 340858 | 340350 | 342344 |
| 15° | 346504 | 346005 | 348537 |
| 20° | 306638 | 306638 | 307151 |
| 25° | 262788 | 254940 | 257106 |
| 30° | 210221 | 202564 | 205687 |
| 35° | 130415 | 133106 | 130121 |
| 40° | 57262 | 63017 | 58858 |
| 45° | 682 | 20435 | 1729 |
| 50° | 0 | 2277 | 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: 20435 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 183.9 | 10.3 |
| 10°-20° | 533.0 | 29.9 |
| 20°-30° | 618.7 | 34.7 |
| 30°-40° | 389.6 | 21.8 |
| 40°-50° | 58.5 | 3.3 |
| 50°-60° | 0.3 | 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° | 1335.6 | 74.9 |
| 0°-40° | 1725.2 | 96.7 |
| 0°-60° | 1784.0 | 100.0 |
| 0°-90° | 1784.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1784.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2013 | 2013 | 2013 | 2013 | 2013 | |
| 5° | 1899 | 1906 | 1909 | 1914 | 1912 | 183 |
| 15° | 1943 | 1936 | 1941 | 1953 | 1955 | 533 |
| 25° | 1383 | 1367 | 1342 | 1347 | 1353 | 629 |
| 35° | 620 | 622 | 633 | 620 | 619 | 387 |
| 45° | 3 | 27 | 84 | 36 | 7 | 38 |
| 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: P1317840

CATALOG NUMBER: LDSQA3D20R609827D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2013.1 | 2013.1 | 2013.1 | 2013.1 | 2013.1 |
| 1° | 1997.5 | 2003.2 | 2003.2 | 2004.6 | 2003.2 |
| 2° | 1970.4 | 1979.0 | 1979.0 | 1983.2 | 1980.4 |
| 3° | 1943.4 | 1950.5 | 1951.9 | 1957.6 | 1956.2 |
| 4° | 1913.5 | 1924.9 | 1929.2 | 1932.0 | 1930.6 |
| 5° | 1899.3 | 1906.4 | 1909.3 | 1913.5 | 1912.1 |
| 6° | 1893.6 | 1899.3 | 1902.1 | 1906.4 | 1906.4 |
| 7° | 1897.9 | 1902.1 | 1906.4 | 1909.3 | 1906.4 |
| 8° | 1910.7 | 1914.9 | 1914.9 | 1920.6 | 1916.4 |
| 9° | 1929.2 | 1930.6 | 1930.6 | 1937.7 | 1933.4 |
| 10° | 1949.1 | 1946.2 | 1946.2 | 1956.2 | 1957.6 |
| 11° | 1966.2 | 1963.3 | 1961.9 | 1971.9 | 1974.7 |
| 12° | 1976.1 | 1970.4 | 1970.4 | 1983.2 | 1984.7 |
| 13° | 1977.5 | 1970.4 | 1970.4 | 1983.2 | 1987.5 |
| 14° | 1966.2 | 1957.6 | 1959.0 | 1973.3 | 1977.5 |
| 15° | 1943.4 | 1936.3 | 1940.6 | 1953.4 | 1954.8 |
| 17.5° | 1835.3 | 1831.0 | 1833.9 | 1842.4 | 1843.8 |
| 20° | 1673.1 | 1670.2 | 1673.1 | 1673.1 | 1675.9 |
| 22.5° | 1512.3 | 1505.2 | 1491.0 | 1499.5 | 1500.9 |
| 25° | 1382.9 | 1367.2 | 1341.6 | 1347.3 | 1353.0 |
| 27.5° | 1240.6 | 1220.7 | 1193.6 | 1200.8 | 1202.2 |
| 30° | 1057.1 | 1047.1 | 1018.6 | 1025.8 | 1034.3 |
| 32.5° | 816.6 | 843.7 | 826.6 | 825.2 | 826.6 |
| 35° | 620.3 | 621.7 | 633.1 | 620.3 | 618.9 |
| 37.5° | 433.9 | 435.3 | 443.9 | 429.7 | 431.1 |
| 40° | 254.7 | 273.2 | 280.3 | 274.6 | 261.8 |
| 42.5° | 79.7 | 140.8 | 159.3 | 138.0 | 88.2 |
| 45° | 2.8 | 27.0 | 83.9 | 35.6 | 7.1 |
| 47.5° | 0.0 | 1.4 | 39.8 | 2.8 | 0.0 |
| 50° | 0.0 | 0.0 | 8.5 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 1.4 | 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)