

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: P1319095

Luminaire Tested: LDSQA3D09R359835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

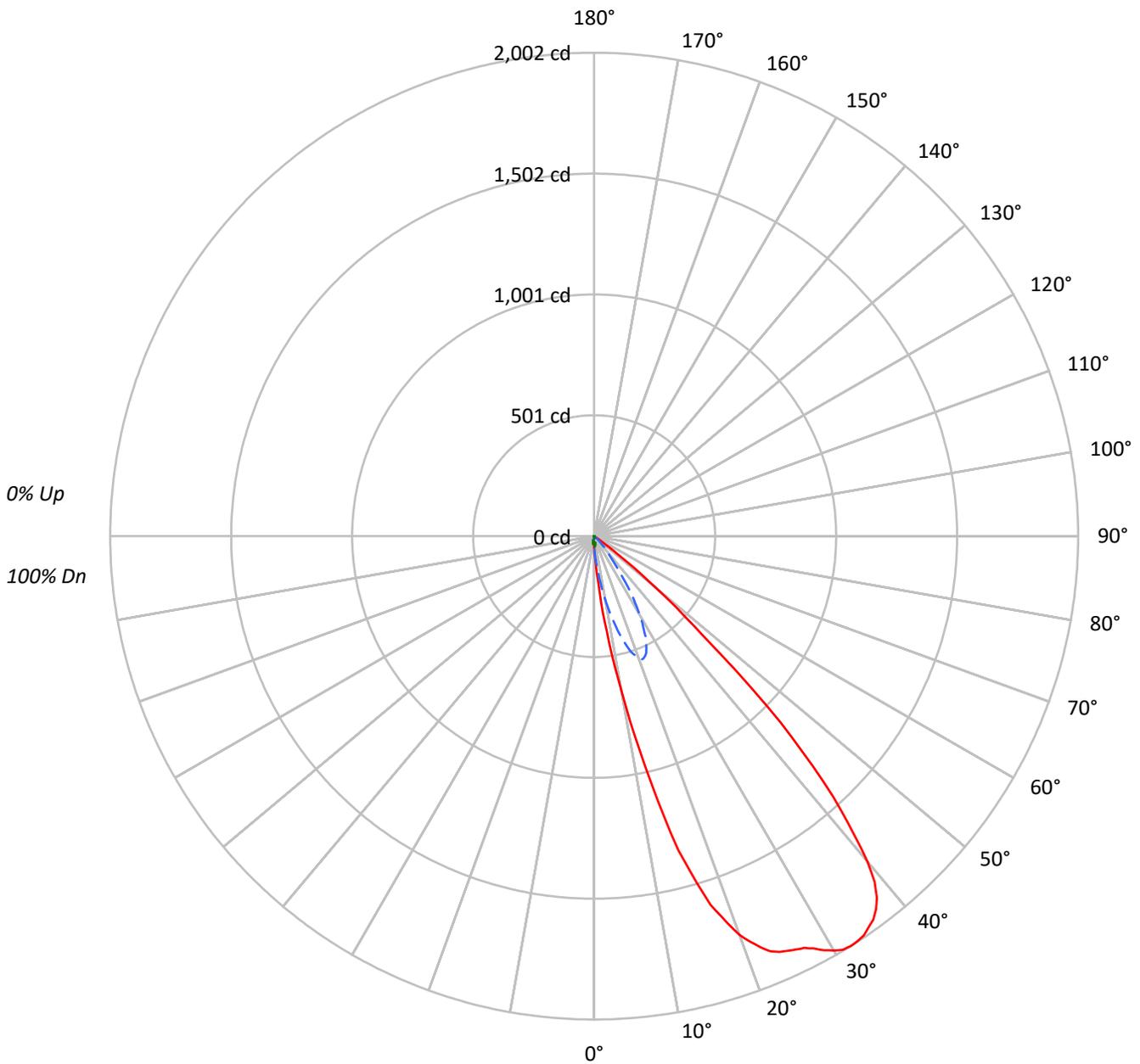
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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 | | | | 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 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 91 | 86 | 81 | 97 | 90 | 85 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 82 | 79 | 76 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 46 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 54 | 47 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 7767 | 7767 | 7767 | 7767 | 7767 |
| 5° | 33729 | 20901 | 7192 | 2559 | 1781 |
| 10° | 113532 | 47182 | 5386 | 595 | 192 |
| 15° | 240257 | 77399 | 3352 | 0 | 0 |
| 20° | 322143 | 98914 | 1576 | 0 | 0 |
| 25° | 360025 | 97142 | 323 | 0 | 0 |
| 30° | 394132 | 74415 | 0 | 0 | 0 |
| 35° | 415970 | 40535 | 0 | 0 | 0 |
| 40° | 395415 | 18210 | 0 | 0 | 0 |
| 45° | 265383 | 8062 | 0 | 0 | 0 |
| 50° | 88658 | 777 | 0 | 0 | 0 |
| 55° | 4804 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 207 | 0 | 0 |
| 65° | 0 | 0 | 448 | 0 | 0 |
| 70° | 0 | 302 | 554 | 0 | 0 |
| 75° | 0 | 399 | 732 | 0 | 0 |
| 80° | 0 | 595 | 1091 | 0 | 0 |
| 85° | 0 | 1186 | 2174 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 265383 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.7 | 1.6 |
| 10°-20° | 83.0 | 13.9 |
| 20°-30° | 182.1 | 30.4 |
| 30°-40° | 210.6 | 35.2 |
| 40°-50° | 103.9 | 17.4 |
| 50°-60° | 7.7 | 1.3 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.4 | 0.1 |
| 80°-90° | 0.4 | 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° | 274.7 | 45.9 |
| 0°-40° | 485.3 | 81.2 |
| 0°-60° | 596.9 | 99.8 |
| 0°-90° | 598.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 598.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 45 | 45 | 45 | 45 | 45 | |
| 5° | 195 | 121 | 42 | 15 | 10 | 34 |
| 15° | 1348 | 434 | 19 | 0 | 0 | 380 |
| 25° | 1895 | 511 | 2 | 0 | 0 | 876 |
| 35° | 1978 | 193 | 0 | 0 | 0 | 1222 |
| 45° | 1090 | 33 | 0 | 0 | 0 | 800 |
| 55° | 16 | 0 | 0 | 0 | 0 | 65 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 2.5° | 89.6 | 91.8 | 90.7 | 90.7 | 90.1 | 87.3 | 82.2 | 80.4 | 74.2 | 58.8 | 45.6 |
| 5° | 195.1 | 195.7 | 194.0 | 185.4 | 178.0 | 171.1 | 156.3 | 149.5 | 120.9 | 71.9 | 41.6 |
| 7.5° | 395.9 | 387.4 | 376.5 | 364.5 | 338.3 | 314.3 | 283.0 | 249.9 | 187.1 | 83.3 | 37.1 |
| 10° | 649.2 | 637.2 | 628.1 | 599.6 | 552.2 | 503.2 | 443.3 | 389.1 | 269.8 | 91.3 | 30.8 |
| 12.5° | 976.1 | 969.3 | 936.7 | 879.7 | 809.5 | 738.8 | 634.4 | 548.2 | 353.1 | 93.0 | 25.1 |
| 15° | 1347.5 | 1336.1 | 1286.5 | 1205.4 | 1110.2 | 998.9 | 859.2 | 714.3 | 434.1 | 87.9 | 18.8 |
| 17.5° | 1601.4 | 1595.1 | 1552.3 | 1467.3 | 1357.8 | 1216.3 | 1050.8 | 870.0 | 500.9 | 77.0 | 13.1 |
| 20° | 1757.7 | 1748.6 | 1708.6 | 1636.7 | 1522.1 | 1374.3 | 1178.1 | 969.3 | 539.7 | 63.3 | 8.6 |
| 21° | 1798.2 | 1789.1 | 1757.1 | 1682.4 | 1572.8 | 1414.2 | 1212.9 | 993.2 | 547.1 | 57.0 | 6.8 |
| 22° | 1836.4 | 1827.3 | 1793.6 | 1727.4 | 1619.1 | 1453.6 | 1240.2 | 1011.5 | 546.0 | 51.9 | 5.1 |
| 23° | 1868.4 | 1858.7 | 1825.6 | 1764.5 | 1655.6 | 1488.4 | 1260.8 | 1020.6 | 538.5 | 46.8 | 4.0 |
| 24° | 1884.9 | 1879.2 | 1849.5 | 1791.9 | 1685.2 | 1512.9 | 1275.0 | 1024.0 | 529.4 | 41.6 | 2.9 |
| 25° | 1894.6 | 1887.8 | 1858.7 | 1805.6 | 1704.6 | 1532.3 | 1284.2 | 1021.2 | 511.2 | 37.1 | 1.7 |
| 26° | 1904.9 | 1894.6 | 1861.5 | 1810.2 | 1714.9 | 1541.5 | 1284.7 | 1013.8 | 491.8 | 33.1 | 0.6 |
| 27° | 1914.0 | 1904.3 | 1870.1 | 1813.6 | 1716.6 | 1538.6 | 1280.2 | 999.5 | 468.4 | 29.1 | 0.6 |
| 28° | 1934.0 | 1923.1 | 1883.8 | 1821.0 | 1718.3 | 1531.2 | 1265.9 | 980.1 | 437.6 | 25.7 | 0.0 |
| 29° | 1960.2 | 1948.8 | 1903.7 | 1838.7 | 1722.3 | 1523.2 | 1246.5 | 954.4 | 410.8 | 22.8 | 0.0 |
| 30° | 1981.9 | 1971.6 | 1930.0 | 1860.9 | 1732.6 | 1515.8 | 1223.7 | 919.6 | 374.2 | 19.4 | 0.0 |
| 31° | 1997.9 | 1987.6 | 1949.4 | 1879.8 | 1741.7 | 1509.0 | 1195.2 | 883.7 | 341.2 | 17.1 | 0.0 |
| 32° | 2001.9 | 1993.3 | 1957.4 | 1887.8 | 1741.7 | 1498.7 | 1168.9 | 843.2 | 308.6 | 14.3 | 0.0 |
| 33° | 2000.1 | 1991.6 | 1955.1 | 1882.1 | 1726.3 | 1474.2 | 1137.0 | 794.7 | 271.6 | 12.6 | 0.0 |
| 34° | 1993.9 | 1983.6 | 1944.8 | 1863.8 | 1696.1 | 1432.5 | 1090.8 | 746.2 | 232.8 | 10.3 | 0.0 |
| 35° | 1978.5 | 1969.3 | 1927.1 | 1829.6 | 1649.3 | 1369.2 | 1029.2 | 690.3 | 192.8 | 8.6 | 0.0 |
| 36° | 1963.6 | 1949.9 | 1898.0 | 1787.4 | 1587.7 | 1304.1 | 955.6 | 625.8 | 158.6 | 6.8 | 0.0 |
| 37° | 1936.2 | 1916.9 | 1864.4 | 1726.3 | 1500.4 | 1212.3 | 871.7 | 555.1 | 132.9 | 5.1 | 0.0 |
| 38° | 1899.7 | 1873.5 | 1806.7 | 1655.6 | 1412.5 | 1126.2 | 793.0 | 491.2 | 111.8 | 3.4 | 0.0 |
| 39° | 1843.3 | 1812.5 | 1721.7 | 1558.6 | 1311.0 | 1026.3 | 702.8 | 423.3 | 95.3 | 2.3 | 0.0 |
| 40° | 1758.8 | 1729.7 | 1629.3 | 1443.3 | 1210.0 | 916.2 | 610.4 | 346.9 | 81.0 | 1.1 | 0.0 |
| 42.5° | 1464.5 | 1424.5 | 1308.1 | 1123.3 | 894.5 | 658.9 | 403.9 | 192.8 | 53.6 | 0.0 | 0.0 |
| 45° | 1089.6 | 1054.3 | 940.2 | 771.9 | 596.2 | 403.3 | 216.2 | 113.5 | 33.1 | 0.0 | 0.0 |
| 47.5° | 615.6 | 611.6 | 537.4 | 443.3 | 332.6 | 214.5 | 109.5 | 68.5 | 14.3 | 0.0 | 0.0 |
| 50° | 330.9 | 310.3 | 267.6 | 203.1 | 138.6 | 93.6 | 59.3 | 37.7 | 2.9 | 0.0 | 0.0 |
| 52.5° | 120.9 | 117.0 | 98.1 | 81.6 | 62.8 | 42.8 | 30.2 | 16.5 | 0.0 | 0.0 | 0.0 |
| 55° | 16.0 | 14.8 | 15.4 | 16.5 | 17.1 | 14.8 | 9.7 | 3.4 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.6 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1319095
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 45.1 | 45.1 | 45.1 | 45.1 |
| 2.5° | 34.8 | 26.8 | 22.8 | 22.2 |
| 5° | 24.0 | 14.8 | 10.8 | 10.3 |
| 7.5° | 16.5 | 7.4 | 5.1 | 4.6 |
| 10° | 9.7 | 3.4 | 1.7 | 1.1 |
| 12.5° | 5.7 | 0.6 | 0.0 | 0.0 |
| 15° | 1.7 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.6 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.6 | 0.0 | 0.0 | 0.0 |
| 70° | 0.6 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.6 | 0.0 | 0.0 | 0.0 |
| 75° | 0.6 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.6 | 0.0 | 0.0 | 0.0 |
| 80° | 0.6 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.6 | 0.0 | 0.0 | 0.0 |
| 85° | 0.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.6 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)