

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: P1317326

Luminaire Tested: LDSQA3D09R309827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309827DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

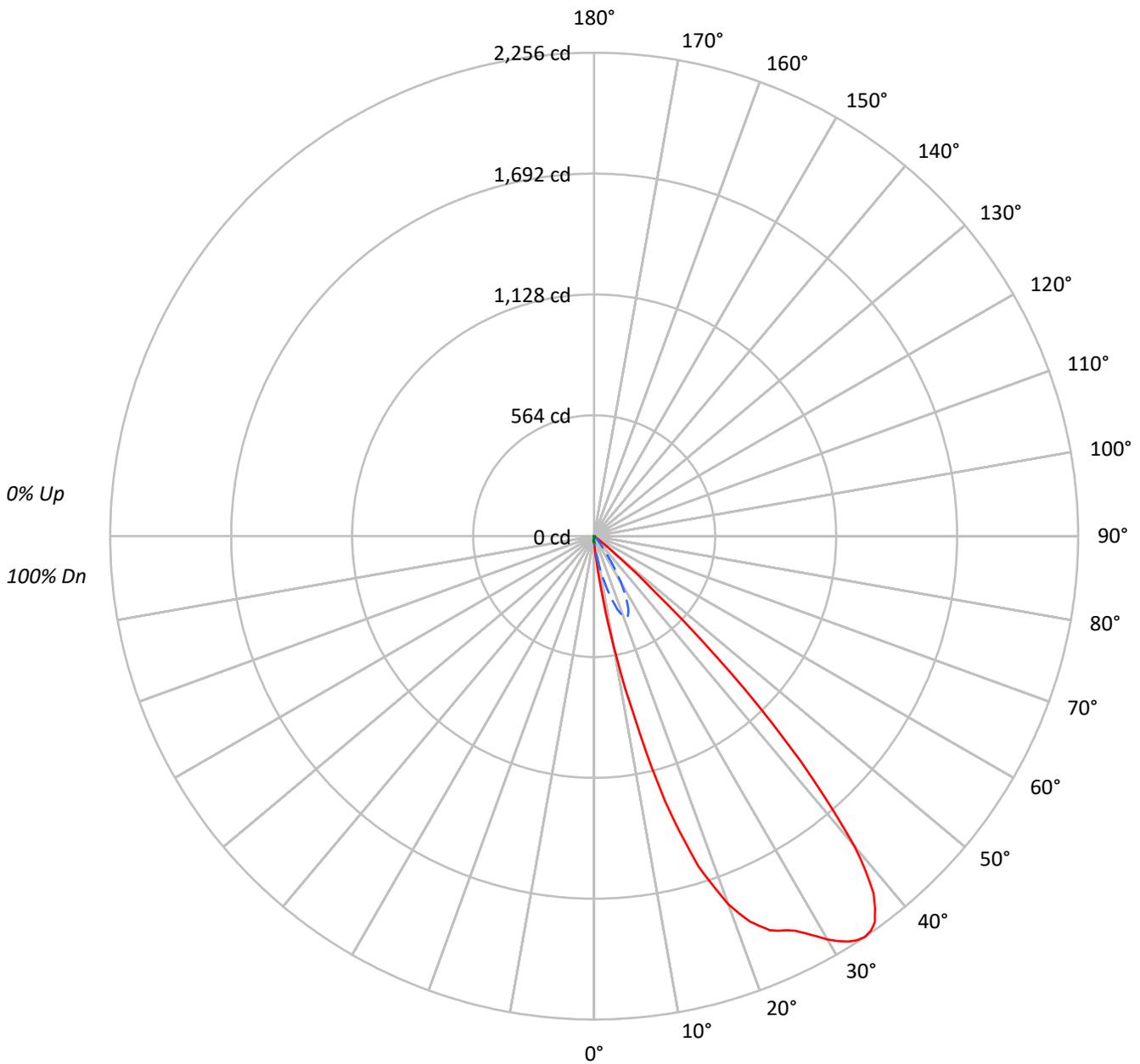
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
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 | | | | |
| 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 | 92 |
| 2 | 106 | 100 | 96 | 92 | 104 | 98 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 83 | 80 | 77 | 75 |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 72 | 81 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 51 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 4994 | 4994 | 4994 | 4994 | 4994 |
| 5° | 18152 | 11272 | 4581 | 1850 | 1314 |
| 10° | 89836 | 27001 | 3568 | 350 | 0 |
| 15° | 229149 | 51421 | 2264 | 0 | 0 |
| 20° | 334808 | 73127 | 935 | 0 | 0 |
| 25° | 386267 | 71754 | 190 | 0 | 0 |
| 30° | 432314 | 49259 | 0 | 0 | 0 |
| 35° | 472799 | 21214 | 0 | 0 | 0 |
| 40° | 424349 | 8251 | 0 | 0 | 0 |
| 45° | 216695 | 3361 | 0 | 0 | 0 |
| 50° | 33438 | 402 | 0 | 0 | 0 |
| 55° | 1982 | 0 | 150 | 0 | 0 |
| 60° | 0 | 0 | 172 | 0 | 0 |
| 65° | 0 | 0 | 408 | 0 | 0 |
| 70° | 0 | 252 | 504 | 0 | 0 |
| 75° | 0 | 333 | 998 | 0 | 0 |
| 80° | 0 | 496 | 1488 | 0 | 0 |
| 85° | 0 | 988 | 2964 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 216695 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.1 | 1.1 |
| 10°-20° | 72.3 | 13.3 |
| 20°-30° | 178.8 | 32.9 |
| 30°-40° | 205.6 | 37.9 |
| 40°-50° | 76.3 | 14.0 |
| 50°-60° | 2.8 | 0.5 |
| 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° | 257.2 | 47.4 |
| 0°-40° | 462.8 | 85.2 |
| 0°-60° | 541.9 | 99.8 |
| 0°-90° | 543.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 543.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 29 | 29 | 29 | 29 | 29 | |
| 5° | 105 | 65 | 26 | 11 | 8 | 23 |
| 15° | 1285 | 288 | 13 | 0 | 0 | 369 |
| 25° | 2033 | 378 | 1 | 0 | 0 | 939 |
| 35° | 2249 | 101 | 0 | 0 | 0 | 1363 |
| 45° | 890 | 14 | 0 | 0 | 0 | 693 |
| 55° | 7 | 0 | 0 | 0 | 0 | 23 |
| 65° | 0 | 0 | 1 | 0 | 0 | 0 |
| 75° | 0 | 0 | 2 | 0 | 0 | 0 |
| 85° | 0 | 0 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317326
 CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 2.5° | 51.5 | 52.0 | 52.0 | 50.4 | 49.9 | 49.4 | 47.9 | 43.3 | 36.2 | 29.0 | 23.4 |
| 5° | 105.0 | 105.5 | 105.5 | 102.4 | 96.3 | 90.2 | 85.1 | 65.2 | 41.8 | 26.5 | 17.3 |
| 7.5° | 247.7 | 248.2 | 237.5 | 225.2 | 200.8 | 188.0 | 164.6 | 100.4 | 47.4 | 24.0 | 11.2 |
| 10° | 513.7 | 502.4 | 474.4 | 438.7 | 401.0 | 352.1 | 302.7 | 154.4 | 51.5 | 20.4 | 7.1 |
| 12.5° | 858.6 | 847.9 | 811.8 | 760.8 | 686.9 | 591.1 | 497.3 | 217.1 | 52.0 | 16.3 | 4.1 |
| 15° | 1285.2 | 1255.1 | 1211.8 | 1127.2 | 1018.1 | 869.8 | 714.9 | 288.4 | 49.9 | 12.7 | 1.0 |
| 17.5° | 1615.9 | 1588.3 | 1533.3 | 1434.5 | 1298.9 | 1134.3 | 944.2 | 356.2 | 44.3 | 8.2 | 0.0 |
| 20° | 1826.8 | 1797.8 | 1746.3 | 1659.2 | 1515.0 | 1321.8 | 1104.3 | 399.0 | 36.7 | 5.1 | 0.0 |
| 21° | 1887.0 | 1858.9 | 1808.5 | 1721.9 | 1578.2 | 1385.5 | 1143.5 | 408.2 | 33.1 | 4.1 | 0.0 |
| 22° | 1940.0 | 1918.0 | 1871.2 | 1776.9 | 1630.6 | 1432.4 | 1183.2 | 409.2 | 30.6 | 3.1 | 0.0 |
| 23° | 1977.2 | 1961.4 | 1914.5 | 1827.8 | 1682.1 | 1470.6 | 1204.6 | 403.1 | 27.5 | 2.0 | 0.0 |
| 24° | 2012.8 | 1993.5 | 1953.2 | 1872.7 | 1722.9 | 1502.7 | 1224.0 | 391.9 | 24.5 | 1.5 | 0.0 |
| 25° | 2032.7 | 2010.3 | 1979.2 | 1903.8 | 1756.5 | 1523.1 | 1235.7 | 377.6 | 21.4 | 1.0 | 0.0 |
| 26° | 2046.5 | 2029.1 | 1995.0 | 1922.1 | 1770.8 | 1536.4 | 1237.3 | 356.7 | 19.4 | 0.5 | 0.0 |
| 27° | 2067.3 | 2050.0 | 2016.9 | 1938.4 | 1776.9 | 1534.3 | 1228.1 | 332.8 | 16.8 | 0.0 | 0.0 |
| 28° | 2098.9 | 2076.0 | 2042.9 | 1955.8 | 1779.4 | 1525.7 | 1207.7 | 306.8 | 14.3 | 0.0 | 0.0 |
| 29° | 2135.1 | 2111.7 | 2075.5 | 1978.7 | 1779.9 | 1508.3 | 1175.6 | 278.2 | 12.7 | 0.0 | 0.0 |
| 30° | 2173.9 | 2153.5 | 2116.8 | 2001.1 | 1785.6 | 1485.9 | 1138.4 | 247.7 | 10.2 | 0.0 | 0.0 |
| 31° | 2204.4 | 2186.1 | 2146.8 | 2021.5 | 1790.1 | 1466.6 | 1092.5 | 217.1 | 8.7 | 0.0 | 0.0 |
| 32° | 2230.9 | 2214.6 | 2166.2 | 2026.1 | 1781.0 | 1439.0 | 1043.6 | 187.5 | 7.1 | 0.0 | 0.0 |
| 33° | 2249.3 | 2228.9 | 2172.3 | 2014.4 | 1754.5 | 1393.7 | 989.1 | 159.5 | 5.6 | 0.0 | 0.0 |
| 34° | 2255.9 | 2231.4 | 2163.1 | 1983.8 | 1701.0 | 1324.9 | 918.3 | 130.5 | 4.6 | 0.0 | 0.0 |
| 35° | 2248.8 | 2218.7 | 2130.0 | 1931.3 | 1628.6 | 1242.9 | 833.2 | 100.9 | 3.6 | 0.0 | 0.0 |
| 36° | 2225.8 | 2187.6 | 2082.6 | 1856.4 | 1525.2 | 1146.0 | 748.1 | 78.5 | 2.5 | 0.0 | 0.0 |
| 37° | 2176.4 | 2134.1 | 2001.6 | 1757.5 | 1422.7 | 1034.9 | 651.2 | 61.1 | 1.5 | 0.0 | 0.0 |
| 38° | 2115.8 | 2054.6 | 1893.6 | 1632.7 | 1290.2 | 910.1 | 555.4 | 50.4 | 1.0 | 0.0 | 0.0 |
| 39° | 2012.3 | 1945.1 | 1765.2 | 1489.0 | 1160.3 | 791.4 | 462.2 | 43.8 | 0.5 | 0.0 | 0.0 |
| 40° | 1887.5 | 1807.5 | 1618.4 | 1335.1 | 1006.9 | 667.0 | 385.7 | 36.7 | 0.5 | 0.0 | 0.0 |
| 42.5° | 1423.8 | 1356.0 | 1152.7 | 908.1 | 615.6 | 393.4 | 214.0 | 24.0 | 0.0 | 0.0 | 0.0 |
| 45° | 889.7 | 818.9 | 681.3 | 497.9 | 333.3 | 203.8 | 102.9 | 13.8 | 0.0 | 0.0 | 0.0 |
| 47.5° | 363.3 | 333.3 | 274.2 | 211.0 | 150.8 | 95.8 | 42.8 | 6.1 | 0.0 | 0.0 | 0.0 |
| 50° | 124.8 | 111.1 | 93.3 | 68.3 | 48.4 | 33.1 | 22.4 | 1.5 | 0.0 | 0.0 | 0.0 |
| 52.5° | 36.2 | 36.7 | 32.1 | 27.5 | 21.4 | 15.3 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 6.6 | 5.6 | 6.6 | 6.1 | 6.6 | 5.6 | 4.1 | 0.0 | 0.0 | 0.5 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 | 0.5 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.0 | 0.5 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.5 | 0.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0° | 29.0 | 29.0 | 29.0 |
| 2.5° | 18.9 | 16.8 | 15.8 |
| 5° | 10.7 | 8.2 | 7.6 |
| 7.5° | 5.6 | 3.6 | 3.1 |
| 10° | 2.0 | 0.5 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 |
| 21° | 0.0 | 0.0 | 0.0 |
| 22° | 0.0 | 0.0 | 0.0 |
| 23° | 0.0 | 0.0 | 0.0 |
| 24° | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 |
| 26° | 0.0 | 0.0 | 0.0 |
| 27° | 0.0 | 0.0 | 0.0 |
| 28° | 0.0 | 0.0 | 0.0 |
| 29° | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 |
| 31° | 0.0 | 0.0 | 0.0 |
| 32° | 0.0 | 0.0 | 0.0 |
| 33° | 0.0 | 0.0 | 0.0 |
| 34° | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 |
| 36° | 0.0 | 0.0 | 0.0 |
| 37° | 0.0 | 0.0 | 0.0 |
| 38° | 0.0 | 0.0 | 0.0 |
| 39° | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)