

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: P1314491

Luminaire Tested: LDSQA3D09R359730DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314491
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: LDSQA3D09R359730DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

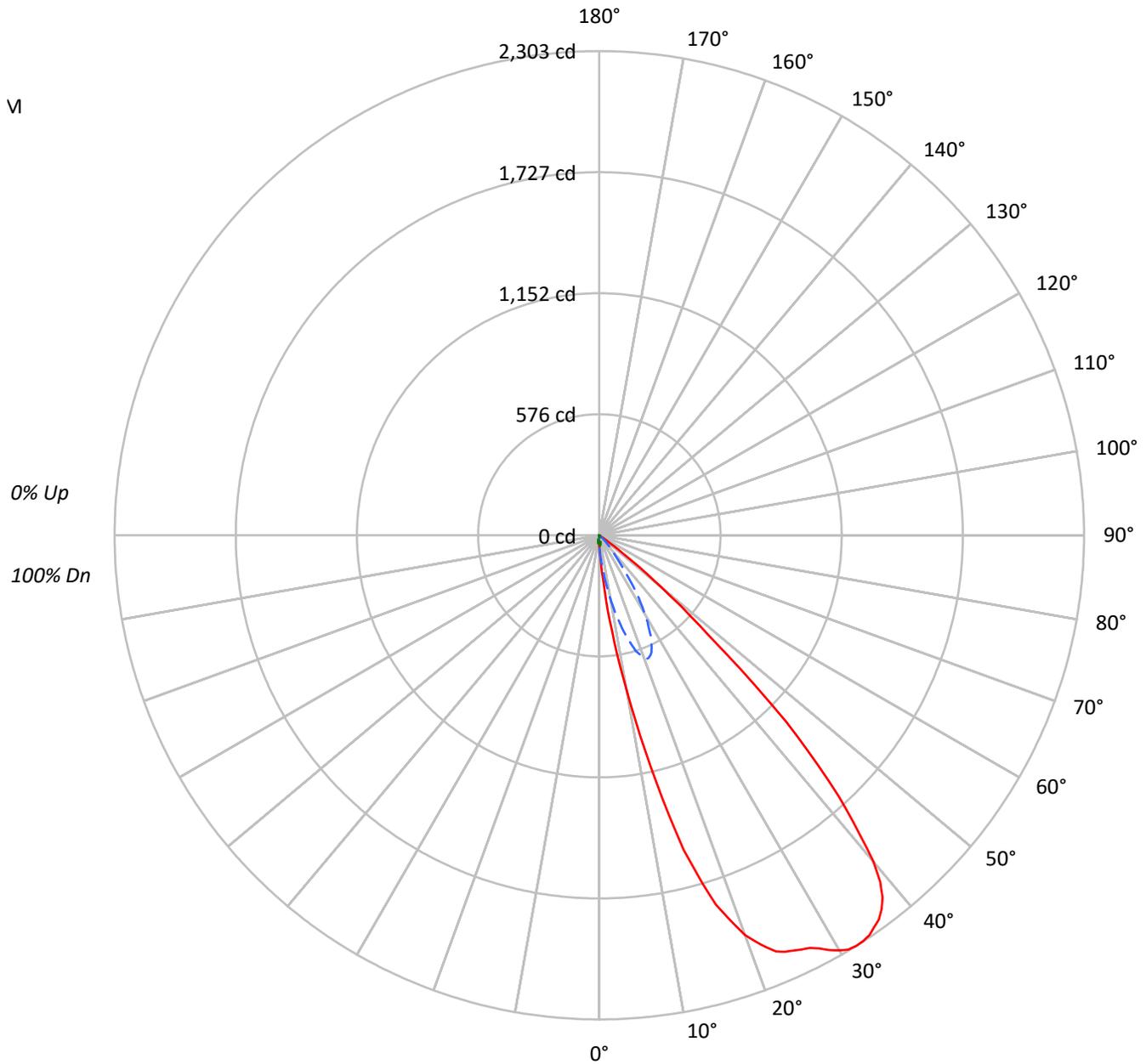
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 688.0 lumens
Efficiency: N/A
Efficacy: 62.0 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): 11.1
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

TEST NUMBER: P1314491
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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 | 106 | 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° | 8938 | 8938 | 8938 | 8938 | 8938 |
| 5° | 38812 | 24048 | 8281 | 2956 | 2040 |
| 10° | 130617 | 54300 | 6191 | 682 | 227 |
| 15° | 276415 | 89060 | 3869 | 0 | 0 |
| 20° | 370620 | 113796 | 1796 | 0 | 0 |
| 25° | 414201 | 111755 | 380 | 0 | 0 |
| 30° | 453453 | 85632 | 0 | 0 | 0 |
| 35° | 478560 | 46632 | 0 | 0 | 0 |
| 40° | 454925 | 20953 | 0 | 0 | 0 |
| 45° | 305326 | 9280 | 0 | 0 | 0 |
| 50° | 102001 | 884 | 0 | 0 | 0 |
| 55° | 5525 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 241 | 0 | 0 |
| 65° | 0 | 0 | 530 | 0 | 0 |
| 70° | 0 | 352 | 655 | 0 | 0 |
| 75° | 0 | 466 | 865 | 0 | 0 |
| 80° | 0 | 694 | 1289 | 0 | 0 |
| 85° | 0 | 1383 | 2569 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 305326 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 11.1 | 1.6 |
| 10°-20° | 95.5 | 13.9 |
| 20°-30° | 209.5 | 30.4 |
| 30°-40° | 242.3 | 35.2 |
| 40°-50° | 119.6 | 17.4 |
| 50°-60° | 8.9 | 1.3 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.5 | 0.1 |
| 80°-90° | 0.5 | 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° | 316.1 | 45.9 |
| 0°-40° | 558.3 | 81.1 |
| 0°-60° | 686.8 | 99.8 |
| 0°-90° | 688.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 688.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 52 | 52 | 52 | 52 | 52 | |
| 5° | 224 | 139 | 48 | 17 | 12 | 39 |
| 15° | 1550 | 500 | 22 | 0 | 0 | 437 |
| 25° | 2180 | 588 | 2 | 0 | 0 | 1008 |
| 35° | 2276 | 222 | 0 | 0 | 0 | 1405 |
| 45° | 1254 | 38 | 0 | 0 | 0 | 920 |
| 55° | 18 | 0 | 0 | 0 | 0 | 75 |
| 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° | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 2.5° | 103.0 | 105.7 | 104.4 | 104.4 | 103.7 | 100.4 | 94.5 | 92.5 | 85.3 | 67.6 | 52.5 |
| 5° | 224.5 | 225.1 | 223.2 | 213.3 | 204.8 | 196.9 | 179.8 | 172.0 | 139.1 | 82.7 | 47.9 |
| 7.5° | 455.5 | 445.7 | 433.2 | 419.4 | 389.2 | 361.6 | 325.6 | 287.5 | 215.3 | 95.8 | 42.7 |
| 10° | 746.9 | 733.1 | 722.6 | 689.8 | 635.3 | 578.9 | 510.0 | 447.6 | 310.5 | 105.0 | 35.4 |
| 12.5° | 1123.0 | 1115.1 | 1077.7 | 1012.1 | 931.4 | 850.0 | 729.9 | 630.8 | 406.3 | 107.0 | 28.9 |
| 15° | 1550.3 | 1537.2 | 1480.1 | 1386.9 | 1277.3 | 1149.3 | 988.5 | 821.8 | 499.5 | 101.1 | 21.7 |
| 17.5° | 1842.4 | 1835.2 | 1785.9 | 1688.1 | 1562.1 | 1399.3 | 1209.0 | 1000.9 | 576.3 | 88.6 | 15.1 |
| 20° | 2022.2 | 2011.7 | 1965.8 | 1883.1 | 1751.1 | 1581.2 | 1355.4 | 1115.1 | 620.9 | 72.9 | 9.8 |
| 21° | 2068.8 | 2058.3 | 2021.6 | 1935.6 | 1809.6 | 1627.1 | 1395.4 | 1142.7 | 629.4 | 65.6 | 7.9 |
| 22° | 2112.8 | 2102.3 | 2063.6 | 1987.4 | 1862.7 | 1672.4 | 1426.9 | 1163.7 | 628.1 | 59.7 | 5.9 |
| 23° | 2149.6 | 2138.4 | 2100.3 | 2030.1 | 1904.7 | 1712.4 | 1450.5 | 1174.2 | 619.6 | 53.8 | 4.6 |
| 24° | 2168.6 | 2162.0 | 2127.9 | 2061.6 | 1938.9 | 1740.6 | 1466.9 | 1178.2 | 609.1 | 47.9 | 3.3 |
| 25° | 2179.7 | 2171.9 | 2138.4 | 2077.4 | 1961.2 | 1763.0 | 1477.4 | 1174.9 | 588.1 | 42.7 | 2.0 |
| 26° | 2191.6 | 2179.7 | 2141.7 | 2082.6 | 1973.0 | 1773.5 | 1478.1 | 1166.3 | 565.8 | 38.1 | 0.7 |
| 27° | 2202.1 | 2190.9 | 2151.5 | 2086.5 | 1975.0 | 1770.2 | 1472.9 | 1149.9 | 538.9 | 33.5 | 0.7 |
| 28° | 2225.0 | 2212.6 | 2167.3 | 2095.1 | 1976.9 | 1761.6 | 1456.4 | 1127.6 | 503.4 | 29.5 | 0.0 |
| 29° | 2255.2 | 2242.1 | 2190.2 | 2115.4 | 1981.5 | 1752.5 | 1434.1 | 1098.1 | 472.6 | 26.3 | 0.0 |
| 30° | 2280.2 | 2268.4 | 2220.4 | 2141.0 | 1993.3 | 1743.9 | 1407.9 | 1058.0 | 430.6 | 22.3 | 0.0 |
| 31° | 2298.5 | 2286.7 | 2242.8 | 2162.7 | 2003.8 | 1736.0 | 1375.1 | 1016.7 | 392.5 | 19.7 | 0.0 |
| 32° | 2303.1 | 2293.3 | 2251.9 | 2171.9 | 2003.8 | 1724.2 | 1344.9 | 970.1 | 355.1 | 16.4 | 0.0 |
| 33° | 2301.2 | 2291.3 | 2249.3 | 2165.3 | 1986.1 | 1696.0 | 1308.1 | 914.3 | 312.4 | 14.4 | 0.0 |
| 34° | 2293.9 | 2282.1 | 2237.5 | 2144.3 | 1951.3 | 1648.1 | 1254.9 | 858.5 | 267.8 | 11.8 | 0.0 |
| 35° | 2276.2 | 2265.7 | 2217.2 | 2104.9 | 1897.5 | 1575.2 | 1184.1 | 794.2 | 221.8 | 9.8 | 0.0 |
| 36° | 2259.2 | 2243.4 | 2183.7 | 2056.3 | 1826.6 | 1500.4 | 1099.4 | 720.0 | 182.5 | 7.9 | 0.0 |
| 37° | 2227.7 | 2205.3 | 2145.0 | 1986.1 | 1726.2 | 1394.7 | 1002.9 | 638.6 | 152.9 | 5.9 | 0.0 |
| 38° | 2185.7 | 2155.5 | 2078.7 | 1904.7 | 1625.1 | 1295.6 | 912.3 | 565.1 | 128.6 | 3.9 | 0.0 |
| 39° | 2120.7 | 2085.2 | 1980.9 | 1793.2 | 1508.3 | 1180.8 | 808.6 | 487.0 | 109.6 | 2.6 | 0.0 |
| 40° | 2023.5 | 1990.1 | 1874.5 | 1660.6 | 1392.1 | 1054.1 | 702.3 | 399.1 | 93.2 | 1.3 | 0.0 |
| 42.5° | 1684.9 | 1638.9 | 1505.0 | 1292.4 | 1029.2 | 758.1 | 464.7 | 221.8 | 61.7 | 0.0 | 0.0 |
| 45° | 1253.6 | 1212.9 | 1081.7 | 888.0 | 685.9 | 464.0 | 248.8 | 130.6 | 38.1 | 0.0 | 0.0 |
| 47.5° | 708.2 | 703.6 | 618.3 | 510.0 | 382.7 | 246.8 | 126.0 | 78.8 | 16.4 | 0.0 | 0.0 |
| 50° | 380.7 | 357.1 | 307.8 | 233.7 | 159.5 | 107.6 | 68.3 | 43.3 | 3.3 | 0.0 | 0.0 |
| 52.5° | 139.1 | 134.6 | 112.9 | 93.9 | 72.2 | 49.2 | 34.8 | 19.0 | 0.0 | 0.0 | 0.0 |
| 55° | 18.4 | 17.1 | 17.7 | 19.0 | 19.7 | 17.1 | 11.2 | 3.9 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.7 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |



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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 | 0.7 | 1.3 | 1.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.3 |
| 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: P1314491
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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 51.9 | 51.9 | 51.9 | 51.9 |
| 2.5° | 40.0 | 30.8 | 26.3 | 25.6 |
| 5° | 27.6 | 17.1 | 12.5 | 11.8 |
| 7.5° | 19.0 | 8.5 | 5.9 | 5.3 |
| 10° | 11.2 | 3.9 | 2.0 | 1.3 |
| 12.5° | 6.6 | 0.7 | 0.0 | 0.0 |
| 15° | 2.0 | 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° | 0.7 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.7 | 0.0 | 0.0 | 0.0 |
| 75° | 0.7 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 0.0 | 0.0 | 0.0 |
| 80° | 0.7 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 82.5° | 0.7 | 0.0 | 0.0 | 0.0 |
| 85° | 0.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)