

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P#

Luminaire Tested: **44ID-100-L940-CFR2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (13890049.01)
Test Lab: INNOVATION CENTER
Issue Date: 9/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 44ID-100-L940-CFR2
Description: 10000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

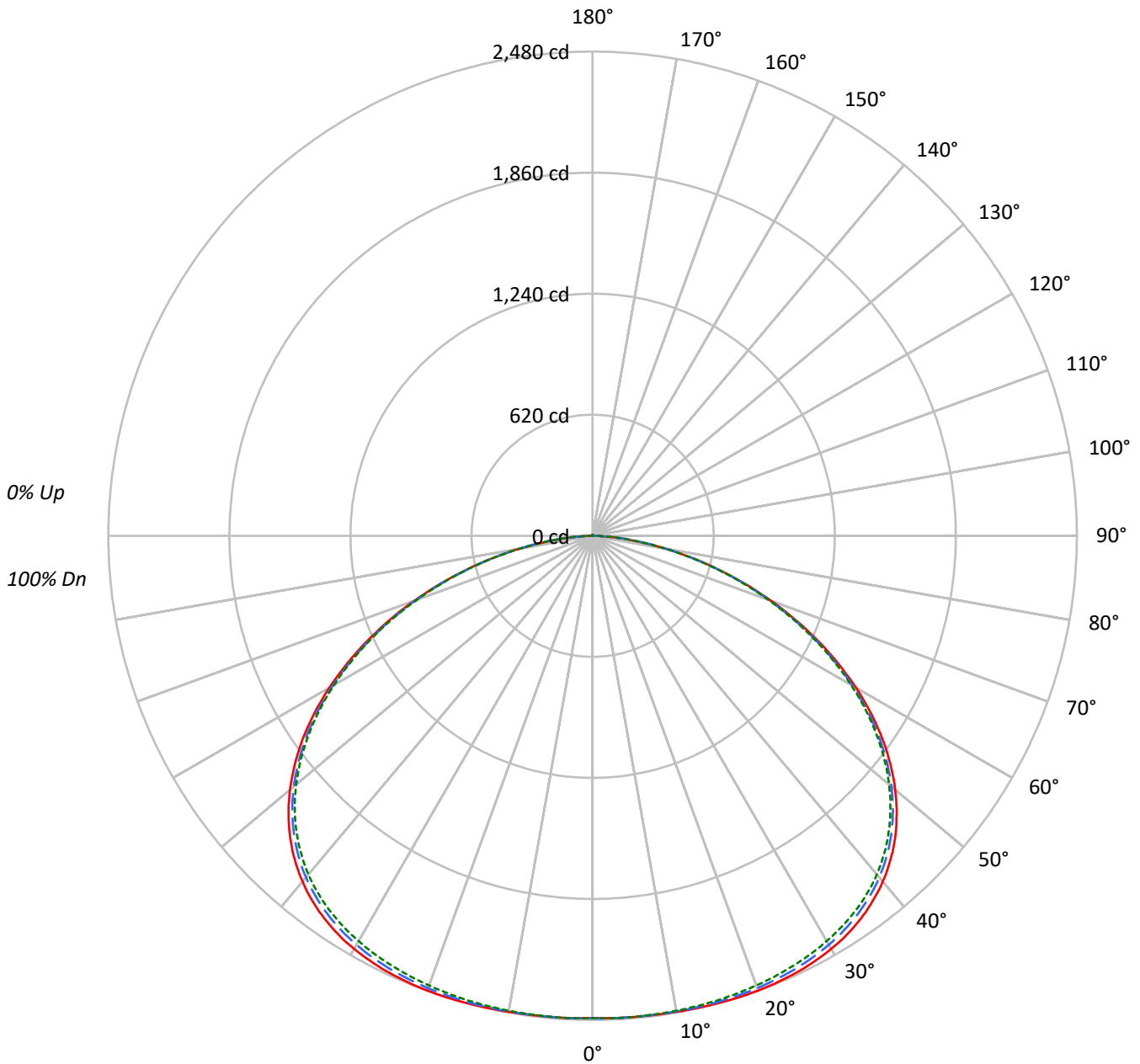
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8948.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular (W 3.88' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 79.4
Input Voltage (V):
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: 25 FT

TEST NUMBER: P#
CATALOG NUMBER: 44ID-100-L940-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

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 | 100 | | | | | | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 82 | | | | | | | | |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | 80 | 76 | 71 | 77 | 73 | 70 | 68 | | | | | | | | |
| 3 | 89 | 78 | 69 | 62 | 86 | 76 | 68 | 62 | 73 | 66 | 60 | 70 | 64 | 59 | 67 | 63 | 58 | 56 | | | | | | | | |
| 4 | 81 | 68 | 59 | 52 | 78 | 67 | 58 | 52 | 64 | 57 | 51 | 62 | 55 | 50 | 60 | 54 | 49 | 47 | | | | | | | | |
| 5 | 74 | 61 | 51 | 44 | 72 | 59 | 51 | 44 | 57 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 40 | | | | | | | | |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 38 | 50 | 43 | 37 | 48 | 42 | 37 | 35 | | | | | | | | |
| 7 | 63 | 49 | 40 | 33 | 61 | 48 | 39 | 33 | 46 | 39 | 33 | 45 | 38 | 33 | 43 | 37 | 32 | 30 | | | | | | | | |
| 8 | 58 | 44 | 36 | 29 | 57 | 44 | 35 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 27 | | | | | | | | |
| 9 | 54 | 41 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 24 | | | | | | | | |
| 10 | 51 | 37 | 29 | 24 | 50 | 37 | 29 | 24 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 28 | 23 | 21 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1764 | 1764 | 1764 |
| 5° | 1773 | 1773 | 1772 |
| 10° | 1795 | 1793 | 1791 |
| 15° | 1832 | 1827 | 1821 |
| 20° | 1883 | 1873 | 1862 |
| 25° | 1945 | 1929 | 1914 |
| 30° | 2014 | 1994 | 1976 |
| 35° | 2086 | 2062 | 2044 |
| 40° | 2154 | 2128 | 2110 |
| 45° | 2211 | 2183 | 2165 |
| 50° | 2246 | 2219 | 2201 |
| 55° | 2254 | 2226 | 2209 |
| 60° | 2224 | 2196 | 2183 |
| 65° | 2151 | 2127 | 2117 |
| 70° | 2028 | 2007 | 1996 |
| 75° | 1837 | 1825 | 1817 |
| 80° | 1563 | 1568 | 1551 |
| 85° | 1164 | 1193 | 1191 |



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 236.1 | 2.6 |
| 10°-20° | 700.4 | 7.8 |
| 20°-30° | 1132.2 | 12.7 |
| 30°-40° | 1483.0 | 16.6 |
| 40°-50° | 1668.1 | 18.6 |
| 50°-60° | 1596.2 | 17.8 |
| 60°-70° | 1244.9 | 13.9 |
| 70°-80° | 701.6 | 7.8 |
| 80°-90° | 173.6 | 1.9 |
| 90°-100° | 0.6 | 0.0 |
| 100°-110° | 1.0 | 0.0 |
| 110°-120° | 1.8 | 0.0 |
| 120°-130° | 2.8 | 0.0 |
| 130°-140° | 2.2 | 0.0 |
| 140°-150° | 1.4 | 0.0 |
| 150°-160° | 1.0 | 0.0 |
| 160°-170° | 0.7 | 0.0 |
| 170°-180° | 0.3 | 0.0 |
| 0°-30° | 2068.8 | 23.1 |
| 0°-40° | 3551.8 | 39.7 |
| 0°-60° | 6816.1 | 76.2 |
| 0°-90° | 8936.2 | 99.9 |
| 90°-120° | 3.4 | 0.0 |
| 90°-150° | 9.9 | 0.1 |
| 90°-180° | 12.0 | 0.1 |
| 0°-180° | 8948.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2471 | 2471 | 2471 | 2471 | 2471 | |
| 5° | 2474 | 2474 | 2474 | 2474 | 2473 | 236 |
| 15° | 2479 | 2478 | 2472 | 2467 | 2464 | 703 |
| 25° | 2469 | 2464 | 2450 | 2436 | 2430 | 1141 |
| 35° | 2394 | 2386 | 2366 | 2352 | 2345 | 1499 |
| 45° | 2190 | 2180 | 2163 | 2152 | 2144 | 1687 |
| 55° | 1811 | 1801 | 1788 | 1780 | 1775 | 1614 |
| 65° | 1274 | 1269 | 1259 | 1256 | 1253 | 1257 |
| 75° | 666 | 666 | 662 | 661 | 659 | 706 |
| 85° | 142 | 144 | 146 | 147 | 145 | 165 |
| 90° | 1 | 1 | 1 | 1 | 1 | 7 |
| 95° | 0 | 0 | 0 | 0 | 1 | 1 |
| 105° | 1 | 1 | 1 | 1 | 1 | 1 |
| 115° | 2 | 2 | 2 | 2 | 2 | 2 |
| 125° | 4 | 3 | 3 | 3 | 3 | 3 |
| 135° | 3 | 3 | 3 | 3 | 3 | 2 |
| 145° | 2 | 2 | 2 | 2 | 2 | 1 |
| 155° | 2 | 2 | 2 | 2 | 2 | 1 |
| 165° | 2 | 2 | 2 | 2 | 2 | 1 |
| 175° | 3 | 3 | 3 | 3 | 3 | 0 |
| 180° | 2 | 2 | 2 | 2 | 2 | |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2471.2 | 2471.2 | 2471.2 | 2471.2 | 2471.2 |
| 0.5° | 2470.6 | 2472.4 | 2473.0 | 2472.4 | 2471.2 |
| 1° | 2471.2 | 2472.4 | 2473.0 | 2473.0 | 2471.8 |
| 1.5° | 2471.8 | 2473.0 | 2473.0 | 2473.0 | 2472.4 |
| 2° | 2471.8 | 2473.0 | 2473.0 | 2473.6 | 2472.4 |
| 2.5° | 2472.4 | 2473.6 | 2473.6 | 2473.6 | 2472.4 |
| 3° | 2473.0 | 2473.6 | 2473.6 | 2473.6 | 2473.0 |
| 3.5° | 2473.0 | 2473.6 | 2473.6 | 2473.6 | 2473.0 |
| 4° | 2473.6 | 2473.6 | 2473.6 | 2473.6 | 2473.0 |
| 4.5° | 2473.6 | 2474.2 | 2473.6 | 2473.6 | 2473.0 |
| 5° | 2473.6 | 2474.2 | 2473.6 | 2473.6 | 2473.0 |
| 5.5° | 2473.6 | 2474.2 | 2473.6 | 2473.6 | 2473.0 |
| 6° | 2474.2 | 2474.2 | 2473.6 | 2473.6 | 2472.4 |
| 6.5° | 2474.2 | 2474.8 | 2474.2 | 2473.6 | 2472.4 |
| 7° | 2474.2 | 2474.8 | 2473.6 | 2473.6 | 2472.4 |
| 7.5° | 2474.2 | 2474.8 | 2473.6 | 2473.0 | 2471.8 |
| 8° | 2474.8 | 2474.8 | 2474.2 | 2473.0 | 2471.8 |
| 8.5° | 2474.8 | 2475.4 | 2473.6 | 2473.0 | 2471.2 |
| 9° | 2475.4 | 2475.4 | 2474.2 | 2472.4 | 2471.2 |
| 9.5° | 2475.4 | 2476.0 | 2473.6 | 2472.4 | 2470.6 |
| 10° | 2476.0 | 2476.0 | 2473.6 | 2471.8 | 2470.0 |
| 10.5° | 2476.6 | 2476.6 | 2473.6 | 2471.8 | 2470.0 |
| 11° | 2476.6 | 2476.6 | 2473.6 | 2471.2 | 2469.4 |
| 11.5° | 2477.2 | 2477.2 | 2473.6 | 2470.6 | 2468.8 |
| 12° | 2477.2 | 2477.2 | 2473.6 | 2470.6 | 2468.2 |
| 12.5° | 2477.8 | 2477.2 | 2473.0 | 2470.0 | 2467.6 |
| 13° | 2477.8 | 2477.2 | 2473.0 | 2469.4 | 2467.0 |
| 13.5° | 2478.4 | 2477.8 | 2473.0 | 2468.8 | 2466.4 |
| 14° | 2478.4 | 2477.8 | 2473.0 | 2468.2 | 2465.2 |
| 14.5° | 2479.0 | 2477.8 | 2472.4 | 2467.6 | 2464.5 |
| 15° | 2479.0 | 2478.4 | 2472.4 | 2467.0 | 2463.9 |
| 15.5° | 2479.6 | 2478.4 | 2471.8 | 2465.8 | 2462.7 |
| 16° | 2479.0 | 2478.4 | 2471.2 | 2465.2 | 2461.5 |
| 16.5° | 2479.6 | 2478.4 | 2471.2 | 2463.9 | 2460.3 |
| 17° | 2479.6 | 2477.8 | 2470.6 | 2462.7 | 2459.7 |
| 17.5° | 2479.6 | 2477.8 | 2469.4 | 2462.1 | 2458.5 |
| 18° | 2479.6 | 2477.8 | 2468.8 | 2460.9 | 2456.7 |
| 18.5° | 2479.6 | 2477.2 | 2468.2 | 2459.7 | 2455.5 |
| 19° | 2479.0 | 2477.2 | 2467.6 | 2458.5 | 2454.3 |
| 19.5° | 2479.0 | 2476.6 | 2466.4 | 2456.7 | 2452.5 |
| 20° | 2478.4 | 2476.0 | 2465.2 | 2455.5 | 2451.3 |
| 20.5° | 2477.8 | 2475.4 | 2464.5 | 2454.3 | 2449.5 |
| 21° | 2477.8 | 2474.8 | 2463.3 | 2452.5 | 2447.7 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 22.5° | 2475.4 | 2471.8 | 2459.1 | 2447.1 | 2441.6 |
| 23° | 2474.2 | 2470.6 | 2457.3 | 2445.3 | 2439.8 |
| 23.5° | 2473.0 | 2469.4 | 2455.5 | 2442.8 | 2437.4 |
| 24° | 2471.8 | 2468.2 | 2453.7 | 2440.4 | 2435.0 |
| 24.5° | 2470.6 | 2466.4 | 2451.9 | 2438.0 | 2432.6 |
| 25° | 2468.8 | 2464.5 | 2449.5 | 2435.6 | 2430.2 |
| 25.5° | 2467.0 | 2462.7 | 2447.1 | 2433.2 | 2427.2 |
| 26° | 2465.2 | 2460.9 | 2444.7 | 2430.8 | 2424.8 |
| 26.5° | 2463.3 | 2458.5 | 2442.2 | 2427.8 | 2421.8 |
| 27° | 2460.9 | 2456.1 | 2439.2 | 2424.8 | 2418.7 |
| 27.5° | 2458.5 | 2453.7 | 2436.2 | 2421.8 | 2415.7 |
| 28° | 2456.1 | 2450.7 | 2433.2 | 2418.7 | 2412.7 |
| 28.5° | 2453.1 | 2447.7 | 2430.2 | 2415.1 | 2409.1 |
| 29° | 2450.1 | 2444.7 | 2426.6 | 2411.5 | 2405.5 |
| 29.5° | 2447.1 | 2441.0 | 2423.0 | 2407.9 | 2401.3 |
| 30° | 2443.5 | 2437.4 | 2418.7 | 2403.7 | 2397.0 |
| 30.5° | 2439.8 | 2433.8 | 2414.5 | 2399.5 | 2393.4 |
| 31° | 2435.6 | 2429.6 | 2410.3 | 2395.2 | 2388.6 |
| 31.5° | 2432.0 | 2425.4 | 2405.5 | 2391.0 | 2384.4 |
| 32° | 2427.2 | 2420.5 | 2401.3 | 2386.2 | 2379.6 |
| 32.5° | 2422.4 | 2415.7 | 2395.8 | 2380.8 | 2374.1 |
| 33° | 2417.5 | 2410.3 | 2390.4 | 2375.9 | 2368.7 |
| 33.5° | 2412.1 | 2404.9 | 2385.0 | 2370.5 | 2363.3 |
| 34° | 2406.1 | 2398.9 | 2379.0 | 2364.5 | 2357.9 |
| 34.5° | 2400.1 | 2392.8 | 2372.9 | 2358.5 | 2351.8 |
| 35° | 2394.0 | 2386.2 | 2366.3 | 2351.8 | 2345.2 |
| 35.5° | 2387.4 | 2379.6 | 2359.7 | 2345.2 | 2338.6 |
| 36° | 2380.8 | 2372.3 | 2352.4 | 2338.6 | 2331.3 |
| 36.5° | 2372.9 | 2365.1 | 2345.2 | 2331.3 | 2324.7 |
| 37° | 2365.1 | 2357.3 | 2337.4 | 2323.5 | 2316.9 |
| 37.5° | 2357.3 | 2348.8 | 2329.5 | 2315.7 | 2308.4 |
| 38° | 2348.8 | 2341.0 | 2321.1 | 2307.8 | 2300.6 |
| 38.5° | 2340.4 | 2331.9 | 2312.1 | 2298.8 | 2292.2 |
| 39° | 2331.3 | 2322.3 | 2303.0 | 2290.4 | 2283.1 |
| 39.5° | 2321.7 | 2312.7 | 2294.0 | 2280.7 | 2274.1 |
| 40° | 2311.5 | 2303.0 | 2283.7 | 2271.1 | 2264.4 |
| 40.5° | 2301.8 | 2292.8 | 2273.5 | 2261.4 | 2254.2 |
| 41° | 2291.0 | 2281.9 | 2263.2 | 2250.6 | 2243.3 |
| 41.5° | 2279.5 | 2270.5 | 2251.8 | 2239.7 | 2232.5 |
| 42° | 2268.1 | 2259.0 | 2240.3 | 2228.9 | 2221.0 |
| 42.5° | 2256.0 | 2247.0 | 2228.3 | 2216.8 | 2209.6 |
| 43° | 2243.9 | 2234.3 | 2216.2 | 2204.8 | 2197.5 |
| 43.5° | 2231.3 | 2221.6 | 2203.6 | 2192.1 | 2184.9 |



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 45° | 2189.7 | 2180.1 | 2162.6 | 2152.3 | 2144.5 |
| 45.5° | 2175.2 | 2165.0 | 2148.1 | 2137.9 | 2130.6 |
| 46° | 2160.2 | 2149.9 | 2133.0 | 2122.8 | 2115.6 |
| 46.5° | 2144.5 | 2134.3 | 2118.0 | 2107.7 | 2100.5 |
| 47° | 2128.2 | 2118.6 | 2101.7 | 2092.7 | 2084.8 |
| 47.5° | 2112.0 | 2101.7 | 2085.4 | 2076.4 | 2068.6 |
| 48° | 2095.7 | 2084.8 | 2069.2 | 2059.5 | 2051.7 |
| 48.5° | 2078.2 | 2068.0 | 2052.3 | 2043.2 | 2036.0 |
| 49° | 2059.5 | 2049.9 | 2034.2 | 2024.6 | 2017.9 |
| 49.5° | 2041.4 | 2031.8 | 2016.1 | 2007.1 | 1999.8 |
| 50° | 2022.7 | 2012.5 | 1998.0 | 1989.0 | 1981.8 |
| 50.5° | 2003.5 | 1993.2 | 1978.8 | 1969.7 | 1963.1 |
| 51° | 1984.2 | 1973.9 | 1959.5 | 1950.4 | 1943.2 |
| 51.5° | 1963.7 | 1953.4 | 1939.0 | 1930.5 | 1923.9 |
| 52° | 1943.2 | 1932.9 | 1918.5 | 1910.6 | 1904.0 |
| 52.5° | 1922.7 | 1912.5 | 1898.0 | 1889.5 | 1883.5 |
| 53° | 1900.4 | 1890.8 | 1877.5 | 1869.7 | 1863.0 |
| 53.5° | 1878.1 | 1868.5 | 1855.2 | 1847.4 | 1841.3 |
| 54° | 1855.8 | 1846.2 | 1832.9 | 1825.1 | 1819.6 |
| 54.5° | 1834.1 | 1823.8 | 1811.2 | 1803.4 | 1797.9 |
| 55° | 1810.6 | 1800.9 | 1788.3 | 1780.5 | 1775.0 |
| 55.5° | 1787.1 | 1777.4 | 1764.8 | 1756.9 | 1752.1 |
| 56° | 1762.4 | 1753.3 | 1740.7 | 1734.0 | 1729.2 |
| 56.5° | 1737.7 | 1729.2 | 1716.6 | 1709.9 | 1705.1 |
| 57° | 1713.6 | 1704.5 | 1692.5 | 1686.4 | 1681.6 |
| 57.5° | 1689.4 | 1679.8 | 1667.7 | 1661.7 | 1656.9 |
| 58° | 1662.9 | 1653.9 | 1642.4 | 1636.4 | 1632.2 |
| 58.5° | 1637.0 | 1628.6 | 1616.5 | 1611.1 | 1606.9 |
| 59° | 1611.1 | 1602.6 | 1591.2 | 1585.8 | 1581.6 |
| 59.5° | 1584.0 | 1576.1 | 1564.7 | 1559.3 | 1555.0 |
| 60° | 1557.4 | 1549.0 | 1538.2 | 1533.3 | 1529.1 |
| 60.5° | 1530.3 | 1523.1 | 1511.6 | 1506.8 | 1502.6 |
| 61° | 1502.6 | 1495.4 | 1484.5 | 1479.7 | 1475.5 |
| 61.5° | 1474.3 | 1468.2 | 1457.4 | 1452.6 | 1449.0 |
| 62° | 1446.5 | 1440.5 | 1429.7 | 1425.4 | 1421.8 |
| 62.5° | 1418.2 | 1412.2 | 1401.3 | 1397.1 | 1393.5 |
| 63° | 1389.9 | 1383.9 | 1373.6 | 1369.4 | 1365.8 |
| 63.5° | 1361.0 | 1354.9 | 1345.3 | 1341.1 | 1337.4 |
| 64° | 1332.0 | 1326.0 | 1315.8 | 1312.7 | 1308.5 |
| 64.5° | 1303.1 | 1297.1 | 1286.8 | 1283.8 | 1280.2 |
| 65° | 1273.6 | 1268.7 | 1259.1 | 1255.5 | 1253.1 |
| 65.5° | 1244.6 | 1238.6 | 1229.6 | 1226.5 | 1222.9 |
| 66° | 1213.9 | 1209.1 | 1200.0 | 1197.0 | 1194.6 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 67.5° | 1124.7 | 1119.3 | 1111.4 | 1108.4 | 1105.4 |
| 68° | 1093.9 | 1089.1 | 1081.3 | 1078.9 | 1075.9 |
| 68.5° | 1063.2 | 1058.4 | 1050.6 | 1048.7 | 1046.9 |
| 69° | 1032.5 | 1027.6 | 1021.0 | 1019.2 | 1016.8 |
| 69.5° | 1002.3 | 997.5 | 991.5 | 989.7 | 986.7 |
| 70° | 971.6 | 967.4 | 961.3 | 959.5 | 956.5 |
| 70.5° | 940.9 | 936.6 | 931.2 | 929.4 | 926.4 |
| 71° | 910.1 | 906.5 | 901.7 | 899.3 | 896.3 |
| 71.5° | 880.0 | 876.4 | 870.9 | 869.1 | 866.7 |
| 72° | 849.2 | 846.2 | 840.8 | 839.6 | 836.6 |
| 72.5° | 818.5 | 816.1 | 810.7 | 809.5 | 807.1 |
| 73° | 787.8 | 785.4 | 779.9 | 778.7 | 776.9 |
| 73.5° | 757.6 | 755.2 | 750.4 | 748.6 | 746.8 |
| 74° | 727.5 | 725.7 | 720.9 | 719.7 | 717.2 |
| 74.5° | 696.8 | 695.5 | 691.3 | 689.5 | 687.7 |
| 75° | 666.0 | 666.0 | 661.8 | 660.6 | 658.8 |
| 75.5° | 636.5 | 636.5 | 632.3 | 631.1 | 629.2 |
| 76° | 606.9 | 606.9 | 602.7 | 601.6 | 599.2 |
| 76.5° | 577.1 | 577.4 | 573.8 | 572.5 | 570.5 |
| 77° | 548.5 | 548.8 | 545.6 | 544.0 | 542.0 |
| 77.5° | 518.0 | 519.4 | 516.8 | 515.3 | 513.3 |
| 78° | 489.5 | 491.3 | 488.6 | 487.4 | 485.7 |
| 78.5° | 462.6 | 463.7 | 462.0 | 460.6 | 458.3 |
| 79° | 434.4 | 435.3 | 434.2 | 433.0 | 430.7 |
| 79.5° | 406.7 | 408.2 | 407.4 | 406.4 | 403.7 |
| 80° | 380.1 | 381.2 | 381.4 | 379.8 | 377.3 |
| 80.5° | 352.2 | 354.4 | 354.8 | 353.1 | 351.9 |
| 81° | 326.3 | 328.4 | 329.0 | 328.1 | 326.4 |
| 81.5° | 300.9 | 303.4 | 303.9 | 303.4 | 301.2 |
| 82° | 275.4 | 278.4 | 279.3 | 278.9 | 276.5 |
| 82.5° | 251.0 | 254.4 | 255.4 | 255.0 | 252.8 |
| 83° | 227.4 | 231.1 | 232.0 | 232.3 | 230.2 |
| 83.5° | 204.6 | 208.1 | 209.2 | 209.6 | 207.3 |
| 84° | 182.6 | 185.8 | 187.2 | 187.8 | 185.9 |
| 84.5° | 161.8 | 164.3 | 166.1 | 166.8 | 165.9 |
| 85° | 142.1 | 143.9 | 145.6 | 146.6 | 145.4 |
| 85.5° | 123.1 | 124.5 | 125.7 | 127.4 | 126.4 |
| 86° | 105.4 | 106.8 | 107.6 | 109.0 | 109.0 |
| 86.5° | 88.5 | 89.1 | 89.8 | 91.4 | 91.4 |
| 87° | 72.3 | 72.4 | 72.6 | 74.6 | 74.7 |
| 87.5° | 55.8 | 56.3 | 56.5 | 58.3 | 58.9 |
| 88° | 39.4 | 40.7 | 41.1 | 42.7 | 42.6 |
| 88.5° | 27.8 | 27.8 | 27.8 | 29.4 | 29.8 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 90° | 1.3 | 1.3 | 1.3 | 1.4 | 1.3 |
| 90.5° | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 |
| 91° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 91.5° | 0.5 | 0.4 | 0.5 | 0.4 | 0.3 |
| 92° | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 |
| 92.5° | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 |
| 93° | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 |
| 93.5° | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 |
| 94° | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| 94.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 95° | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 |
| 95.5° | 0.5 | 0.5 | 0.6 | 0.5 | 0.6 |
| 96° | 0.7 | 0.7 | 0.5 | 0.5 | 0.6 |
| 96.5° | 0.7 | 0.6 | 0.6 | 0.5 | 0.6 |
| 97° | 0.7 | 0.6 | 0.7 | 0.5 | 0.7 |
| 97.5° | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 |
| 98° | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 |
| 98.5° | 0.8 | 0.7 | 0.6 | 0.6 | 0.7 |
| 99° | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 |
| 99.5° | 0.8 | 0.6 | 0.7 | 0.7 | 0.7 |
| 100° | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 |
| 100.5° | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 |
| 101° | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 |
| 101.5° | 0.9 | 0.7 | 0.8 | 0.8 | 0.8 |
| 102° | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 102.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 103° | 0.8 | 0.7 | 0.8 | 0.8 | 0.8 |
| 103.5° | 0.9 | 0.9 | 0.8 | 0.8 | 0.8 |
| 104° | 1.0 | 0.9 | 0.9 | 0.8 | 0.8 |
| 104.5° | 0.9 | 1.0 | 1.0 | 1.0 | 0.8 |
| 105° | 1.1 | 1.0 | 0.9 | 1.0 | 1.0 |
| 105.5° | 1.0 | 0.8 | 1.0 | 0.9 | 0.9 |
| 106° | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| 106.5° | 1.1 | 1.0 | 1.0 | 1.0 | 0.9 |
| 107° | 1.0 | 1.0 | 1.1 | 1.1 | 1.0 |
| 107.5° | 1.1 | 1.0 | 1.1 | 1.1 | 1.1 |
| 108° | 1.1 | 1.0 | 1.0 | 1.1 | 1.0 |
| 108.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 |
| 109° | 1.2 | 1.1 | 1.1 | 1.1 | 1.2 |
| 109.5° | 1.3 | 1.1 | 1.3 | 1.2 | 1.1 |
| 110° | 1.2 | 1.2 | 1.2 | 1.3 | 1.2 |
| 110.5° | 1.3 | 1.2 | 1.3 | 1.3 | 1.3 |
| 111° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 112.5° | 1.4 | 1.5 | 1.6 | 1.5 | 1.4 |
| 113° | 1.6 | 1.4 | 1.4 | 1.5 | 1.5 |
| 113.5° | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 |
| 114° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 114.5° | 1.8 | 1.8 | 1.7 | 1.7 | 1.6 |
| 115° | 1.8 | 1.8 | 1.7 | 1.8 | 1.7 |
| 115.5° | 2.0 | 1.8 | 1.9 | 1.9 | 1.7 |
| 116° | 1.9 | 2.0 | 2.0 | 1.9 | 1.9 |
| 116.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 117° | 2.2 | 2.2 | 2.2 | 2.2 | 1.9 |
| 117.5° | 2.3 | 2.2 | 2.2 | 2.2 | 2.0 |
| 118° | 2.3 | 2.2 | 2.4 | 2.2 | 2.1 |
| 118.5° | 2.5 | 2.4 | 2.4 | 2.3 | 2.2 |
| 119° | 2.5 | 2.5 | 2.5 | 2.4 | 2.4 |
| 119.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.4 |
| 120° | 2.7 | 2.7 | 2.6 | 2.5 | 2.6 |
| 120.5° | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 |
| 121° | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 |
| 121.5° | 3.0 | 2.9 | 2.8 | 2.7 | 2.7 |
| 122° | 2.8 | 3.0 | 2.9 | 2.8 | 2.9 |
| 122.5° | 3.1 | 3.0 | 3.0 | 3.0 | 2.8 |
| 123° | 3.1 | 3.1 | 3.0 | 3.0 | 3.0 |
| 123.5° | 3.1 | 3.3 | 3.1 | 3.0 | 3.1 |
| 124° | 3.2 | 3.3 | 3.2 | 3.1 | 3.1 |
| 124.5° | 3.4 | 3.3 | 3.2 | 3.1 | 3.1 |
| 125° | 3.5 | 3.4 | 3.3 | 3.3 | 3.3 |
| 125.5° | 3.5 | 3.4 | 3.3 | 3.3 | 3.3 |
| 126° | 3.5 | 3.4 | 3.3 | 3.3 | 3.3 |
| 126.5° | 3.4 | 3.4 | 3.5 | 3.3 | 3.4 |
| 127° | 3.5 | 3.5 | 3.4 | 3.3 | 3.3 |
| 127.5° | 3.6 | 3.6 | 3.5 | 3.3 | 3.3 |
| 128° | 3.6 | 3.4 | 3.4 | 3.3 | 3.4 |
| 128.5° | 3.5 | 3.5 | 3.4 | 3.3 | 3.4 |
| 129° | 3.4 | 3.4 | 3.4 | 3.3 | 3.3 |
| 129.5° | 3.4 | 3.4 | 3.4 | 3.3 | 3.3 |
| 130° | 3.4 | 3.4 | 3.3 | 3.2 | 3.3 |
| 130.5° | 3.5 | 3.4 | 3.4 | 3.1 | 3.3 |
| 131° | 3.3 | 3.3 | 3.3 | 3.1 | 3.2 |
| 131.5° | 3.4 | 3.3 | 3.1 | 3.1 | 3.1 |
| 132° | 3.3 | 3.2 | 3.2 | 3.1 | 3.1 |
| 132.5° | 3.3 | 3.2 | 3.1 | 3.1 | 3.1 |
| 133° | 3.2 | 3.1 | 3.1 | 2.9 | 3.0 |
| 133.5° | 3.3 | 3.1 | 3.0 | 2.8 | 3.0 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 135° | 3.1 | 3.0 | 2.8 | 2.8 | 3.0 |
| 135.5° | 3.0 | 3.0 | 2.8 | 2.7 | 2.9 |
| 136° | 2.9 | 2.8 | 2.7 | 2.6 | 2.9 |
| 136.5° | 3.0 | 2.8 | 2.7 | 2.6 | 2.8 |
| 137° | 2.9 | 2.8 | 2.7 | 2.6 | 2.8 |
| 137.5° | 2.8 | 2.7 | 2.7 | 2.5 | 2.7 |
| 138° | 2.8 | 2.7 | 2.5 | 2.5 | 2.7 |
| 138.5° | 2.8 | 2.7 | 2.6 | 2.4 | 2.6 |
| 139° | 2.5 | 2.6 | 2.5 | 2.3 | 2.7 |
| 139.5° | 2.7 | 2.5 | 2.4 | 2.4 | 2.6 |
| 140° | 2.6 | 2.4 | 2.5 | 2.3 | 2.4 |
| 140.5° | 2.6 | 2.4 | 2.4 | 2.3 | 2.4 |
| 141° | 2.5 | 2.4 | 2.4 | 2.2 | 2.3 |
| 141.5° | 2.3 | 2.4 | 2.4 | 2.2 | 2.3 |
| 142° | 2.2 | 2.2 | 2.4 | 2.2 | 2.1 |
| 142.5° | 2.2 | 2.4 | 2.3 | 2.2 | 2.1 |
| 143° | 2.4 | 2.3 | 2.3 | 2.2 | 2.1 |
| 143.5° | 2.4 | 2.3 | 2.3 | 2.1 | 2.1 |
| 144° | 2.4 | 2.2 | 2.4 | 2.0 | 2.2 |
| 144.5° | 2.2 | 2.2 | 2.2 | 2.1 | 2.2 |
| 145° | 2.3 | 2.2 | 2.2 | 2.0 | 2.2 |
| 145.5° | 2.2 | 2.1 | 2.2 | 2.0 | 2.3 |
| 146° | 2.2 | 2.1 | 2.0 | 2.0 | 2.2 |
| 146.5° | 2.3 | 2.1 | 2.0 | 2.0 | 2.2 |
| 147° | 2.2 | 2.1 | 2.0 | 2.0 | 2.0 |
| 147.5° | 2.2 | 2.1 | 2.0 | 2.0 | 2.2 |
| 148° | 2.2 | 2.1 | 2.0 | 2.0 | 2.2 |
| 148.5° | 2.3 | 2.2 | 2.0 | 2.0 | 2.2 |
| 149° | 2.2 | 2.1 | 2.0 | 2.0 | 2.2 |
| 149.5° | 2.4 | 2.0 | 2.0 | 2.0 | 2.3 |
| 150° | 2.3 | 2.2 | 2.0 | 2.0 | 2.2 |
| 150.5° | 2.2 | 2.1 | 2.0 | 2.0 | 2.2 |
| 151° | 2.4 | 2.1 | 2.0 | 2.0 | 2.4 |
| 151.5° | 2.3 | 2.2 | 2.0 | 2.0 | 2.4 |
| 152° | 2.4 | 2.2 | 2.1 | 2.2 | 2.2 |
| 152.5° | 2.4 | 2.2 | 2.0 | 2.1 | 2.4 |
| 153° | 2.3 | 2.2 | 2.1 | 2.2 | 2.4 |
| 153.5° | 2.5 | 2.2 | 2.0 | 2.2 | 2.4 |
| 154° | 2.4 | 2.2 | 2.2 | 2.2 | 2.4 |
| 154.5° | 2.4 | 2.2 | 2.2 | 2.3 | 2.4 |
| 155° | 2.2 | 2.2 | 2.2 | 2.3 | 2.5 |
| 155.5° | 2.4 | 2.2 | 2.2 | 2.2 | 2.4 |
| 156° | 2.2 | 2.2 | 2.2 | 2.2 | 2.4 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 157.5° | 2.2 | 2.1 | 2.2 | 2.3 | 2.4 |
| 158° | 2.4 | 2.2 | 2.2 | 2.2 | 2.4 |
| 158.5° | 2.3 | 2.2 | 2.1 | 2.2 | 2.4 |
| 159° | 2.4 | 2.2 | 2.2 | 2.2 | 2.5 |
| 159.5° | 2.3 | 2.2 | 2.2 | 2.2 | 2.5 |
| 160° | 2.3 | 2.2 | 2.1 | 2.2 | 2.4 |
| 160.5° | 2.2 | 2.2 | 2.2 | 2.3 | 2.4 |
| 161° | 2.2 | 2.2 | 2.2 | 2.3 | 2.4 |
| 161.5° | 2.3 | 2.2 | 2.2 | 2.2 | 2.3 |
| 162° | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 |
| 162.5° | 2.4 | 2.3 | 2.2 | 2.2 | 2.4 |
| 163° | 2.4 | 2.2 | 2.3 | 2.3 | 2.3 |
| 163.5° | 2.3 | 2.2 | 2.3 | 2.3 | 2.5 |
| 164° | 2.2 | 2.3 | 2.2 | 2.4 | 2.4 |
| 164.5° | 2.2 | 2.4 | 2.3 | 2.4 | 2.5 |
| 165° | 2.2 | 2.2 | 2.2 | 2.4 | 2.4 |
| 165.5° | 2.1 | 2.2 | 2.2 | 2.5 | 2.4 |
| 166° | 2.3 | 2.3 | 2.2 | 2.4 | 2.4 |
| 166.5° | 2.3 | 2.2 | 2.2 | 2.5 | 2.2 |
| 167° | 2.2 | 2.4 | 2.2 | 2.5 | 2.5 |
| 167.5° | 2.3 | 2.4 | 2.3 | 2.6 | 2.5 |
| 168° | 2.4 | 2.4 | 2.2 | 2.5 | 2.4 |
| 168.5° | 2.3 | 2.5 | 2.4 | 2.7 | 2.5 |
| 169° | 2.5 | 2.4 | 2.2 | 2.7 | 2.5 |
| 169.5° | 2.4 | 2.4 | 2.3 | 2.7 | 2.5 |
| 170° | 2.5 | 2.4 | 2.4 | 2.7 | 2.5 |
| 170.5° | 2.5 | 2.5 | 2.4 | 2.7 | 2.6 |
| 171° | 2.5 | 2.5 | 2.5 | 2.7 | 2.7 |
| 171.5° | 2.4 | 2.5 | 2.5 | 2.8 | 2.5 |
| 172° | 2.4 | 2.5 | 2.5 | 2.8 | 2.6 |
| 172.5° | 2.5 | 2.5 | 2.6 | 2.8 | 2.6 |
| 173° | 2.4 | 2.4 | 2.6 | 2.8 | 2.7 |
| 173.5° | 2.6 | 2.5 | 2.7 | 2.7 | 2.7 |
| 174° | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 |
| 174.5° | 2.7 | 2.8 | 2.8 | 2.9 | 2.8 |
| 175° | 2.8 | 2.8 | 2.8 | 2.9 | 2.7 |
| 175.5° | 2.8 | 2.8 | 3.0 | 2.8 | 2.8 |
| 176° | 3.0 | 2.9 | 2.8 | 2.8 | 2.8 |
| 176.5° | 3.0 | 2.8 | 2.9 | 2.7 | 2.8 |
| 177° | 2.9 | 2.8 | 2.7 | 2.7 | 2.8 |
| 177.5° | 3.0 | 2.8 | 2.7 | 2.6 | 2.8 |
| 178° | 2.8 | 2.7 | 2.6 | 2.6 | 2.7 |
| 178.5° | 2.7 | 2.7 | 2.5 | 2.5 | 2.5 |



TEST NUMBER: P#

CATALOG NUMBER: 44ID-100-L940-CFR2

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 21.5° | 2477.2 | 2474.2 | 2462.1 | 2450.7 | 2445.9 |
| 22° | 2476.0 | 2473.0 | 2460.3 | 2448.9 | 2444.1 |



| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 44° | 2217.4 | 2208.4 | 2190.3 | 2179.5 | 2172.2 |
| 44.5° | 2203.6 | 2193.9 | 2177.0 | 2165.6 | 2158.4 |



| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 66.5° | 1184.4 | 1179.5 | 1170.5 | 1167.5 | 1164.5 |
| 67° | 1154.8 | 1149.4 | 1141.0 | 1137.9 | 1135.5 |



| | | | | | |
|-------|------|------|------|------|------|
| 89° | 17.6 | 17.3 | 17.1 | 18.0 | 18.3 |
| 89.5° | 7.8 | 7.9 | 7.7 | 8.3 | 8.1 |



| | | | | | |
|--------|-----|-----|-----|-----|-----|
| 111.5° | 1.5 | 1.3 | 1.4 | 1.4 | 1.3 |
| 112° | 1.5 | 1.4 | 1.4 | 1.4 | 1.5 |



| | | | | | |
|--------|-----|-----|-----|-----|-----|
| 134° | 3.1 | 3.0 | 3.0 | 2.9 | 3.1 |
| 134.5° | 3.1 | 3.0 | 3.0 | 2.8 | 2.9 |



| | | | | | |
|--------|-----|-----|-----|-----|-----|
| 156.5° | 2.4 | 2.2 | 2.2 | 2.3 | 2.4 |
| 157° | 2.3 | 2.2 | 2.2 | 2.2 | 2.4 |



| | | | | | |
|--------|-----|-----|-----|-----|-----|
| 179° | 2.6 | 2.5 | 2.4 | 2.5 | 2.6 |
| 179.5° | 2.3 | 2.4 | 2.4 | 2.3 | 2.5 |



(END OF REPORT)