

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: AMETRIX

Report Number: P508439

Luminaire Tested: **ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: AMETRIX
Catalog Number: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(2) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

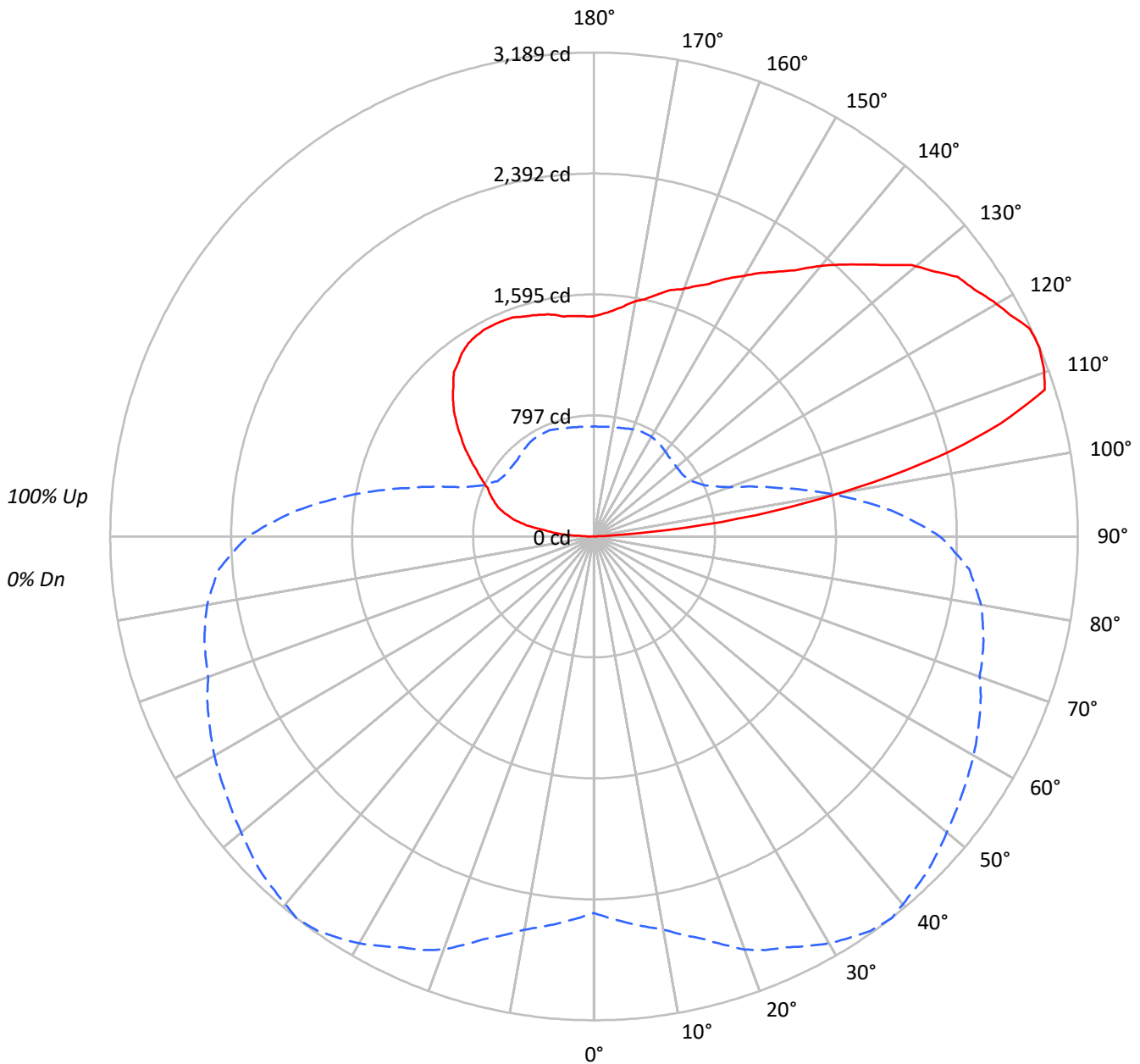
Lumens per Lamp: N/A
Luminaire Lumens: 9587.8 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 107.9
Input Voltage (V): 120
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: P508439
CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 38° Lateral - - - Horizontal Cone Through 112.5° Vertical



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 0 |
| 1 | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9 | 9 | 8 | 0 |
| 2 | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8 | 7 | 7 | 0 |
| 3 | 72 | 63 | 57 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7 | 6 | 6 | 0 |
| 4 | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6 | 6 | 5 | 0 |
| 5 | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5 | 5 | 4 | 0 |
| 6 | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5 | 4 | 4 | 0 |
| 7 | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4 | 4 | 3 | 0 |
| 8 | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9 | 4 | 3 | 3 | 0 |
| 9 | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9 | 8 | 4 | 3 | 3 | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8 | 7 | 3 | 3 | 2 | 0 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|------|--------|--------|-------|
| 95° | 44510 | 49549 | 62986 |
| 100° | 121395 | 93997 | 57326 |
| 105° | 121605 | 100395 | 52601 |
| 110° | 135460 | 123476 | 44299 |
| 115° | 142879 | 123828 | 36890 |
| 120° | 133942 | 109056 | 34255 |
| 125° | 117015 | 93280 | 34072 |
| 130° | 100658 | 77429 | 35300 |
| 135° | 85395 | 66452 | 35919 |
| 140° | 71659 | 56562 | 37073 |
| 145° | 60579 | 49770 | 37171 |
| 150° | 51553 | 44118 | 37272 |
| 155° | 45146 | 39492 | 36262 |
| 160° | 40660 | 35986 | 35285 |
| 165° | 37282 | 33872 | 33796 |
| 170° | 34635 | 32257 | 32405 |
| 175° | 32402 | 31447 | 31300 |



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.0 | 0.0 |
| 10°-20° | 0.0 | 0.0 |
| 20°-30° | 0.0 | 0.0 |
| 30°-40° | 0.0 | 0.0 |
| 40°-50° | 0.0 | 0.0 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 90°-100° | 392.4 | 4.1 |
| 100°-110° | 1420.4 | 14.8 |
| 110°-120° | 1914.8 | 20.0 |
| 120°-130° | 1822.4 | 19.0 |
| 130°-140° | 1518.4 | 15.8 |
| 140°-150° | 1150.3 | 12.0 |
| 150°-160° | 782.8 | 8.2 |
| 160°-170° | 444.8 | 4.6 |
| 170°-180° | 141.5 | 1.5 |
| 0°-30° | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 |
| 0°-90° | 0.0 | 0.0 |
| 90°-120° | 3727.6 | 38.9 |
| 90°-150° | 8218.7 | 85.7 |
| 90°-180° | 9588.0 | 100.0 |
| 0°-180° | 9587.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 180 | 588 | 201 | 201 | 255 | 320 |
| 105° | 1462 | 2985 | 1207 | 534 | 632 | 1586 |
| 115° | 2805 | 3053 | 2431 | 772 | 724 | 2705 |
| 125° | 3118 | 2791 | 2485 | 1037 | 908 | 2783 |
| 135° | 2805 | 2404 | 2183 | 1316 | 1180 | 2173 |
| 145° | 2305 | 2050 | 1894 | 1496 | 1414 | 1458 |
| 155° | 1901 | 1802 | 1663 | 1550 | 1527 | 888 |
| 165° | 1673 | 1622 | 1520 | 1510 | 1516 | 477 |
| 175° | 1499 | 1479 | 1455 | 1452 | 1448 | 146 |
| 180° | 1448 | 1448 | 1448 | 1448 | 1448 | |



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 38° | 40° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 27.2 | 27.2 | 27.2 | 30.6 | 34.0 | 37.4 | 37.4 | 47.6 | 61.2 | 64.6 | 74.8 |
| 95° | 180.2 | 207.4 | 309.4 | 357.0 | 360.4 | 370.6 | 370.6 | 469.2 | 584.8 | 612.0 | 639.2 |
| 97.5° | 482.8 | 516.8 | 625.6 | 710.6 | 833.0 | 867.0 | 907.8 | 989.4 | 1115.2 | 1190.0 | 1227.4 |
| 100° | 979.2 | 986.0 | 1043.8 | 1122.0 | 1254.6 | 1329.4 | 1421.2 | 1645.6 | 1757.8 | 1757.8 | 1717.0 |
| 102.5° | 1241.0 | 1247.8 | 1298.8 | 1373.6 | 1530.0 | 1642.2 | 1747.6 | 2019.5 | 2247.3 | 2332.3 | 2366.3 |
| 105° | 1462.0 | 1485.8 | 1540.2 | 1645.6 | 1836.0 | 1961.7 | 2060.3 | 2369.7 | 2634.9 | 2781.1 | 2893.3 |
| 107.5° | 1744.2 | 1781.6 | 1873.4 | 1995.7 | 2223.5 | 2369.7 | 2495.5 | 2747.1 | 2978.3 | 3124.5 | 3121.1 |
| 110° | 2152.1 | 2172.5 | 2267.7 | 2427.5 | 2624.7 | 2740.3 | 2818.5 | 2995.3 | 3151.7 | 3165.3 | 3172.1 |
| 112.5° | 2481.9 | 2556.7 | 2631.5 | 2743.7 | 2896.7 | 2951.1 | 2988.5 | 3097.3 | 3175.5 | 3189.1 | 3165.3 |
| 115° | 2804.9 | 2832.1 | 2869.5 | 2944.3 | 3015.7 | 3070.1 | 3076.9 | 3134.7 | 3151.7 | 3182.3 | 3127.9 |
| 117.5° | 3005.5 | 3019.1 | 3022.5 | 3049.7 | 3087.1 | 3117.7 | 3110.9 | 3127.9 | 3148.3 | 3107.5 | 3080.3 |
| 120° | 3110.9 | 3124.5 | 3100.7 | 3110.9 | 3121.1 | 3127.9 | 3114.3 | 3121.1 | 3083.7 | 3053.1 | 3022.5 |
| 122.5° | 3151.7 | 3148.3 | 3124.5 | 3124.5 | 3110.9 | 3107.5 | 3080.3 | 3056.5 | 3029.3 | 2988.5 | 2951.1 |
| 125° | 3117.7 | 3131.3 | 3100.7 | 3076.9 | 3046.3 | 3097.3 | 3029.3 | 3005.5 | 2957.9 | 2944.3 | 2872.9 |
| 127.5° | 3073.5 | 3100.7 | 3049.7 | 3025.9 | 2995.3 | 2985.1 | 2944.3 | 2910.3 | 2876.3 | 2838.9 | 2791.3 |
| 130° | 3005.5 | 3015.7 | 2968.1 | 2944.3 | 2913.7 | 2883.1 | 2876.3 | 2801.5 | 2777.7 | 2753.9 | 2689.3 |
| 132.5° | 2937.5 | 2920.5 | 2872.9 | 2842.3 | 2804.9 | 2787.9 | 2770.9 | 2706.3 | 2672.3 | 2621.3 | 2587.3 |
| 135° | 2804.9 | 2808.3 | 2764.1 | 2730.1 | 2679.1 | 2679.1 | 2648.5 | 2600.9 | 2556.7 | 2512.5 | 2468.3 |
| 137.5° | 2679.1 | 2702.9 | 2638.3 | 2607.7 | 2580.5 | 2560.1 | 2519.3 | 2475.1 | 2427.5 | 2410.5 | 2376.5 |
| 140° | 2549.9 | 2553.3 | 2502.3 | 2475.1 | 2454.7 | 2417.3 | 2393.5 | 2352.7 | 2335.7 | 2305.1 | 2257.5 |
| 142.5° | 2437.7 | 2424.1 | 2383.3 | 2352.7 | 2332.3 | 2305.1 | 2291.5 | 2250.7 | 2223.5 | 2196.3 | 2179.3 |
| 145° | 2305.1 | 2301.7 | 2254.1 | 2233.7 | 2216.7 | 2206.5 | 2182.7 | 2152.1 | 2138.5 | 2114.7 | 2114.7 |
| 147.5° | 2192.9 | 2175.9 | 2148.7 | 2124.9 | 2104.5 | 2094.3 | 2094.3 | 2039.9 | 2050.1 | 2046.7 | 2016.1 |
| 150° | 2073.9 | 2070.5 | 2033.1 | 2022.9 | 2005.9 | 2012.7 | 2005.9 | 1982.1 | 1982.1 | 1968.5 | 1948.2 |
| 152.5° | 1978.7 | 1978.7 | 1948.2 | 1941.4 | 1934.6 | 1931.2 | 1917.6 | 1907.4 | 1907.4 | 1904.0 | 1880.2 |
| 155° | 1900.6 | 1900.6 | 1876.8 | 1873.4 | 1863.2 | 1859.8 | 1853.0 | 1842.8 | 1836.0 | 1829.2 | 1808.8 |
| 157.5° | 1836.0 | 1832.6 | 1805.4 | 1808.8 | 1798.6 | 1798.6 | 1795.2 | 1774.8 | 1781.6 | 1778.2 | 1764.6 |
| 160° | 1774.8 | 1771.4 | 1744.2 | 1754.4 | 1747.6 | 1747.6 | 1747.6 | 1734.0 | 1727.2 | 1727.2 | 1696.6 |
| 162.5° | 1720.4 | 1727.2 | 1700.0 | 1696.6 | 1700.0 | 1700.0 | 1686.4 | 1676.2 | 1686.4 | 1696.6 | 1666.0 |
| 165° | 1672.8 | 1666.0 | 1655.8 | 1652.4 | 1645.6 | 1638.8 | 1645.6 | 1638.8 | 1632.0 | 1645.6 | 1635.4 |
| 167.5° | 1625.2 | 1632.0 | 1611.6 | 1604.8 | 1604.8 | 1618.4 | 1608.2 | 1594.6 | 1601.4 | 1598.0 | 1577.6 |
| 170° | 1584.4 | 1591.2 | 1564.0 | 1564.0 | 1564.0 | 1564.0 | 1553.8 | 1543.6 | 1560.6 | 1567.4 | 1543.6 |
| 172.5° | 1543.6 | 1553.8 | 1530.0 | 1526.6 | 1523.2 | 1530.0 | 1523.2 | 1513.0 | 1533.4 | 1523.2 | 1513.0 |
| 175° | 1499.4 | 1516.4 | 1492.6 | 1489.2 | 1496.0 | 1496.0 | 1489.2 | 1482.4 | 1496.0 | 1489.2 | 1482.4 |
| 177.5° | 1479.0 | 1479.0 | 1455.2 | 1458.6 | 1458.6 | 1455.2 | 1465.4 | 1462.0 | 1465.4 | 1465.4 | 1479.0 |
| 180° | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 |



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (continued):

| | 45° | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 78.2 | 91.8 | 98.6 | 54.4 | 54.4 | 61.2 | 57.8 | 51.0 | 44.2 | 40.8 | 40.8 |
| 95° | 588.2 | 557.6 | 574.6 | 516.8 | 448.8 | 394.4 | 391.0 | 394.4 | 272.0 | 204.0 | 200.6 |
| 97.5° | 1264.8 | 1251.2 | 1145.8 | 982.6 | 935.0 | 938.4 | 880.6 | 731.0 | 612.0 | 523.6 | 452.2 |
| 100° | 1645.6 | 1601.4 | 1553.8 | 1587.8 | 1492.6 | 1417.8 | 1312.4 | 1179.8 | 1040.4 | 921.4 | 758.2 |
| 102.5° | 2345.9 | 2277.9 | 2104.5 | 1914.2 | 1723.8 | 1655.8 | 1577.6 | 1428.0 | 1281.8 | 1142.4 | 975.8 |
| 105° | 2985.1 | 2869.5 | 2577.1 | 2305.1 | 2046.7 | 1968.5 | 1866.6 | 1700.0 | 1530.0 | 1390.6 | 1207.0 |
| 107.5° | 3138.1 | 3053.1 | 2889.9 | 2706.3 | 2481.9 | 2352.7 | 2257.5 | 2077.3 | 1917.6 | 1727.2 | 1516.4 |
| 110° | 3151.7 | 3066.7 | 2964.7 | 2838.9 | 2730.1 | 2655.3 | 2594.1 | 2458.1 | 2342.5 | 2175.9 | 1961.7 |
| 112.5° | 3114.3 | 3036.1 | 2961.3 | 2889.9 | 2804.9 | 2760.7 | 2706.3 | 2658.7 | 2590.7 | 2481.9 | 2281.3 |
| 115° | 3053.1 | 2985.1 | 2917.1 | 2855.9 | 2815.1 | 2794.7 | 2767.5 | 2730.1 | 2692.7 | 2611.1 | 2430.9 |
| 117.5° | 2995.3 | 2917.1 | 2855.9 | 2835.5 | 2798.1 | 2767.5 | 2764.1 | 2757.3 | 2733.5 | 2692.7 | 2519.3 |
| 120° | 2937.5 | 2876.3 | 2815.1 | 2770.9 | 2757.3 | 2753.9 | 2753.9 | 2733.5 | 2740.3 | 2706.3 | 2532.9 |
| 122.5° | 2845.7 | 2798.1 | 2747.1 | 2726.7 | 2668.9 | 2682.5 | 2689.3 | 2675.7 | 2702.9 | 2679.1 | 2515.9 |
| 125° | 2791.3 | 2743.7 | 2679.1 | 2648.5 | 2638.3 | 2624.7 | 2638.3 | 2614.5 | 2628.1 | 2611.1 | 2485.3 |
| 127.5° | 2699.5 | 2638.3 | 2604.3 | 2580.5 | 2573.7 | 2526.1 | 2549.9 | 2553.3 | 2556.7 | 2529.5 | 2417.3 |
| 130° | 2600.9 | 2566.9 | 2488.7 | 2498.9 | 2498.9 | 2481.9 | 2485.3 | 2471.7 | 2464.9 | 2441.1 | 2311.9 |
| 132.5° | 2529.5 | 2485.3 | 2434.3 | 2420.7 | 2407.1 | 2403.7 | 2403.7 | 2379.9 | 2379.9 | 2349.3 | 2264.3 |
| 135° | 2403.7 | 2373.1 | 2352.7 | 2339.1 | 2335.7 | 2322.1 | 2322.1 | 2298.3 | 2294.9 | 2267.7 | 2182.7 |
| 137.5° | 2315.3 | 2284.7 | 2267.7 | 2257.5 | 2247.3 | 2223.5 | 2237.1 | 2216.7 | 2196.3 | 2189.5 | 2107.9 |
| 140° | 2226.9 | 2203.1 | 2189.5 | 2172.5 | 2169.1 | 2155.5 | 2155.5 | 2131.7 | 2124.9 | 2094.3 | 2012.7 |
| 142.5° | 2152.1 | 2138.5 | 2111.3 | 2104.5 | 2080.7 | 2084.1 | 2067.1 | 2070.5 | 2043.3 | 2009.3 | 1944.8 |
| 145° | 2050.1 | 2053.5 | 2039.9 | 2026.3 | 2022.9 | 2002.5 | 2005.9 | 1985.5 | 1968.5 | 1944.8 | 1893.8 |
| 147.5° | 1995.7 | 1995.7 | 1975.3 | 1958.3 | 1944.8 | 1941.4 | 1924.4 | 1927.8 | 1900.6 | 1866.6 | 1832.6 |
| 150° | 1924.4 | 1917.6 | 1897.2 | 1887.0 | 1876.8 | 1876.8 | 1859.8 | 1849.6 | 1829.2 | 1819.0 | 1774.8 |
| 152.5° | 1873.4 | 1856.4 | 1846.2 | 1825.8 | 1825.8 | 1808.8 | 1795.2 | 1788.4 | 1771.4 | 1751.0 | 1717.0 |
| 155° | 1802.0 | 1795.2 | 1781.6 | 1778.2 | 1764.6 | 1751.0 | 1727.2 | 1723.8 | 1713.6 | 1693.2 | 1662.6 |
| 157.5° | 1744.2 | 1754.4 | 1734.0 | 1723.8 | 1703.4 | 1700.0 | 1676.2 | 1679.6 | 1659.2 | 1645.6 | 1618.4 |
| 160° | 1717.0 | 1700.0 | 1679.6 | 1676.2 | 1669.4 | 1642.2 | 1638.8 | 1628.6 | 1615.0 | 1604.8 | 1570.8 |
| 162.5° | 1655.8 | 1652.4 | 1642.2 | 1635.4 | 1611.6 | 1611.6 | 1570.8 | 1587.8 | 1577.6 | 1567.4 | 1550.4 |
| 165° | 1621.8 | 1625.2 | 1601.4 | 1594.6 | 1587.8 | 1574.2 | 1564.0 | 1553.8 | 1543.6 | 1536.8 | 1519.8 |
| 167.5° | 1577.6 | 1570.8 | 1564.0 | 1550.4 | 1553.8 | 1543.6 | 1533.4 | 1526.6 | 1519.8 | 1513.0 | 1499.4 |
| 170° | 1540.2 | 1536.8 | 1530.0 | 1519.8 | 1523.2 | 1513.0 | 1513.0 | 1499.4 | 1496.0 | 1492.6 | 1475.6 |
| 172.5° | 1509.6 | 1509.6 | 1502.8 | 1502.8 | 1499.4 | 1489.2 | 1482.4 | 1475.6 | 1475.6 | 1468.8 | 1465.4 |
| 175° | 1479.0 | 1482.4 | 1479.0 | 1475.6 | 1475.6 | 1468.8 | 1468.8 | 1472.2 | 1465.4 | 1465.4 | 1455.2 |
| 177.5° | 1455.2 | 1455.2 | 1455.2 | 1455.2 | 1455.2 | 1455.2 | 1455.2 | 1451.8 | 1455.2 | 1451.8 | 1441.6 |
| 180° | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 |



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (continued):

| | 95° | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 44.2 | 47.6 | 51.0 | 54.4 | 64.6 | 61.2 | 71.4 | 74.8 | 81.6 | 95.2 | 98.6 |
| 95° | 180.2 | 180.2 | 176.8 | 176.8 | 170.0 | 170.0 | 166.6 | 163.2 | 180.2 | 200.6 | 227.8 |
| 97.5° | 370.6 | 316.2 | 289.0 | 278.8 | 275.4 | 272.0 | 265.2 | 255.0 | 261.8 | 278.8 | 312.8 |
| 100° | 625.6 | 516.8 | 428.4 | 377.4 | 367.2 | 350.2 | 343.4 | 340.0 | 340.0 | 374.0 | 428.4 |
| 102.5° | 809.2 | 649.4 | 533.8 | 459.0 | 438.6 | 421.6 | 411.4 | 411.4 | 418.2 | 459.0 | 520.2 |
| 105° | 1023.4 | 819.4 | 642.6 | 544.0 | 527.0 | 503.2 | 486.2 | 489.6 | 496.4 | 533.8 | 588.2 |
| 107.5° | 1281.8 | 1037.0 | 826.2 | 673.2 | 635.8 | 601.8 | 574.6 | 574.6 | 578.0 | 601.8 | 642.6 |
| 110° | 1669.4 | 1353.2 | 1037.0 | 809.2 | 748.0 | 710.6 | 646.0 | 646.0 | 642.6 | 659.6 | 686.8 |
| 112.5° | 1965.1 | 1598.0 | 1237.6 | 945.2 | 860.2 | 799.0 | 731.0 | 710.6 | 710.6 | 714.0 | 731.0 |
| 115° | 2141.9 | 1761.2 | 1377.0 | 1071.0 | 958.8 | 884.0 | 799.0 | 775.2 | 765.0 | 771.8 | 765.0 |
| 117.5° | 2243.9 | 1859.8 | 1496.0 | 1162.8 | 1057.4 | 972.4 | 867.0 | 836.4 | 819.4 | 833.0 | 829.6 |
| 120° | 2294.9 | 1948.2 | 1591.2 | 1258.0 | 1149.2 | 1050.6 | 938.4 | 907.8 | 894.2 | 894.2 | 897.6 |
| 122.5° | 2301.7 | 1995.7 | 1645.6 | 1343.0 | 1234.2 | 1139.0 | 1023.4 | 979.2 | 965.6 | 969.0 | 969.0 |
| 125° | 2277.9 | 1988.9 | 1696.6 | 1411.0 | 1305.6 | 1210.4 | 1091.4 | 1054.0 | 1023.4 | 1037.0 | 1040.4 |
| 127.5° | 2240.5 | 1971.9 | 1727.2 | 1465.4 | 1370.2 | 1285.2 | 1176.4 | 1132.2 | 1105.0 | 1111.8 | 1108.4 |
| 130° | 2186.1 | 1951.5 | 1754.4 | 1513.0 | 1431.4 | 1346.4 | 1251.2 | 1210.4 | 1173.0 | 1176.4 | 1179.8 |
| 132.5° | 2131.7 | 1944.8 | 1768.0 | 1550.4 | 1482.4 | 1411.0 | 1315.8 | 1275.0 | 1241.0 | 1244.4 | 1244.4 |
| 135° | 2073.9 | 1927.8 | 1751.0 | 1574.2 | 1540.2 | 1465.4 | 1387.2 | 1343.0 | 1315.8 | 1315.8 | 1309.0 |
| 137.5° | 2012.7 | 1887.0 | 1764.6 | 1621.8 | 1574.2 | 1513.0 | 1434.8 | 1400.8 | 1373.6 | 1370.2 | 1366.8 |
| 140° | 1958.3 | 1842.8 | 1747.6 | 1632.0 | 1598.0 | 1550.4 | 1485.8 | 1458.6 | 1421.2 | 1414.4 | 1434.8 |
| 142.5° | 1904.0 | 1822.4 | 1764.6 | 1655.8 | 1621.8 | 1581.0 | 1533.4 | 1496.0 | 1468.8 | 1462.0 | 1458.6 |
| 145° | 1849.6 | 1802.0 | 1737.4 | 1649.0 | 1635.4 | 1594.6 | 1543.6 | 1533.4 | 1502.8 | 1496.0 | 1496.0 |
| 147.5° | 1795.2 | 1754.4 | 1706.8 | 1645.6 | 1645.6 | 1611.6 | 1587.8 | 1557.2 | 1533.4 | 1519.8 | 1519.8 |
| 150° | 1747.6 | 1713.6 | 1689.8 | 1642.2 | 1638.8 | 1611.6 | 1591.2 | 1577.6 | 1550.4 | 1543.6 | 1540.2 |
| 152.5° | 1703.4 | 1672.8 | 1652.4 | 1621.8 | 1618.4 | 1581.0 | 1587.8 | 1574.2 | 1547.0 | 1540.2 | 1540.2 |
| 155° | 1649.0 | 1645.6 | 1621.8 | 1591.2 | 1604.8 | 1584.4 | 1567.4 | 1584.4 | 1543.6 | 1550.4 | 1550.4 |
| 157.5° | 1611.6 | 1608.2 | 1604.8 | 1574.2 | 1577.6 | 1567.4 | 1557.2 | 1570.8 | 1536.8 | 1540.2 | 1540.2 |
| 160° | 1570.8 | 1564.0 | 1564.0 | 1536.8 | 1557.2 | 1536.8 | 1540.2 | 1547.0 | 1526.6 | 1530.0 | 1540.2 |
| 162.5° | 1550.4 | 1536.8 | 1536.8 | 1526.6 | 1533.4 | 1526.6 | 1509.6 | 1533.4 | 1530.0 | 1523.2 | 1526.6 |
| 165° | 1516.4 | 1513.0 | 1519.8 | 1499.4 | 1516.4 | 1496.0 | 1502.8 | 1513.0 | 1506.2 | 1509.6 | 1513.0 |
| 167.5° | 1496.0 | 1492.6 | 1496.0 | 1485.8 | 1496.0 | 1489.2 | 1485.8 | 1499.4 | 1492.6 | 1496.0 | 1499.4 |
| 170° | 1479.0 | 1479.0 | 1482.4 | 1472.2 | 1482.4 | 1472.2 | 1482.4 | 1482.4 | 1479.0 | 1479.0 | 1485.8 |
| 172.5° | 1472.2 | 1462.0 | 1472.2 | 1455.2 | 1472.2 | 1451.8 | 1458.6 | 1468.8 | 1465.4 | 1462.0 | 1462.0 |
| 175° | 1458.6 | 1455.2 | 1465.4 | 1448.4 | 1458.6 | 1448.4 | 1448.4 | 1458.6 | 1455.2 | 1451.8 | 1465.4 |
| 177.5° | 1458.6 | 1448.4 | 1458.6 | 1441.6 | 1451.8 | 1445.0 | 1445.0 | 1455.2 | 1448.4 | 1448.4 | 1458.6 |
| 180° | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 |



TEST NUMBER: P508439

CATALOG NUMBER: ASYX-X-S2-X-U-W-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (continued):

| | 145° | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 98.6 | 115.6 | 119.0 | 129.2 | 125.8 | 105.4 | 91.8 | 74.8 | 64.6 |
| 95° | 258.4 | 285.6 | 312.8 | 309.4 | 319.6 | 299.2 | 278.8 | 268.6 | 255.0 |
| 97.5° | 346.8 | 391.0 | 418.2 | 418.2 | 421.6 | 408.0 | 401.2 | 408.0 | 391.0 |
| 100° | 489.6 | 520.2 | 530.4 | 527.0 | 516.8 | 493.0 | 479.4 | 472.6 | 462.4 |
| 102.5° | 574.6 | 608.6 | 618.8 | 612.0 | 605.2 | 595.0 | 581.4 | 574.6 | 571.2 |
| 105° | 632.4 | 663.0 | 676.6 | 673.2 | 669.8 | 652.8 | 625.6 | 635.8 | 632.4 |
| 107.5° | 686.8 | 707.2 | 720.8 | 710.6 | 707.2 | 697.0 | 680.0 | 690.2 | 676.6 |
| 110° | 720.8 | 737.8 | 741.2 | 741.2 | 734.4 | 724.2 | 710.6 | 714.0 | 703.8 |
| 112.5° | 748.0 | 758.2 | 758.2 | 758.2 | 751.4 | 737.8 | 731.0 | 724.2 | 724.2 |
| 115° | 778.6 | 771.8 | 775.2 | 775.2 | 768.4 | 748.0 | 737.8 | 731.0 | 724.2 |
| 117.5° | 833.0 | 822.8 | 812.6 | 812.6 | 795.6 | 782.0 | 771.8 | 761.6 | 751.4 |
| 120° | 884.0 | 877.2 | 870.4 | 860.2 | 850.0 | 833.0 | 816.0 | 802.4 | 795.6 |
| 122.5° | 952.0 | 935.0 | 924.8 | 931.6 | 911.2 | 894.2 | 873.8 | 860.2 | 843.2 |
| 125° | 1026.8 | 1013.2 | 996.2 | 989.4 | 972.4 | 958.8 | 941.8 | 928.2 | 907.8 |
| 127.5° | 1091.4 | 1071.0 | 1064.2 | 1060.8 | 1040.4 | 1023.4 | 996.2 | 986.0 | 986.0 |
| 130° | 1166.2 | 1142.4 | 1145.8 | 1128.8 | 1111.8 | 1084.6 | 1057.4 | 1057.4 | 1054.0 |
| 132.5° | 1237.6 | 1210.4 | 1207.0 | 1200.2 | 1179.8 | 1159.4 | 1142.4 | 1139.0 | 1125.4 |
| 135° | 1295.4 | 1275.0 | 1271.6 | 1264.8 | 1247.8 | 1227.4 | 1200.2 | 1207.0 | 1179.8 |
| 137.5° | 1346.4 | 1336.2 | 1332.8 | 1319.2 | 1302.2 | 1298.8 | 1268.2 | 1264.8 | 1247.8 |
| 140° | 1404.2 | 1383.8 | 1397.4 | 1380.4 | 1360.0 | 1353.2 | 1312.4 | 1319.2 | 1319.2 |
| 142.5° | 1445.0 | 1434.8 | 1431.4 | 1424.6 | 1411.0 | 1397.4 | 1387.2 | 1373.6 | 1380.4 |
| 145° | 1485.8 | 1479.0 | 1472.2 | 1472.2 | 1451.8 | 1445.0 | 1424.6 | 1424.6 | 1414.4 |
| 147.5° | 1519.8 | 1506.2 | 1506.2 | 1499.4 | 1489.2 | 1482.4 | 1462.0 | 1472.2 | 1455.2 |
| 150° | 1519.8 | 1526.6 | 1519.8 | 1519.8 | 1523.2 | 1519.8 | 1502.8 | 1496.0 | 1499.4 |
| 152.5° | 1547.0 | 1536.8 | 1530.0 | 1543.6 | 1526.6 | 1536.8 | 1513.0 | 1519.8 | 1513.0 |
| 155° | 1533.4 | 1540.2 | 1543.6 | 1536.8 | 1536.8 | 1536.8 | 1526.6 | 1543.6 | 1526.6 |
| 157.5° | 1547.0 | 1540.2 | 1543.6 | 1540.2 | 1533.4 | 1543.6 | 1533.4 | 1547.0 | 1536.8 |
| 160° | 1540.2 | 1533.4 | 1540.2 | 1536.8 | 1530.0 | 1543.6 | 1543.6 | 1553.8 | 1540.2 |
| 162.5° | 1516.4 | 1523.2 | 1540.2 | 1530.0 | 1530.0 | 1553.8 | 1516.4 | 1550.4 | 1530.0 |
| 165° | 1509.6 | 1513.0 | 1519.8 | 1526.6 | 1513.0 | 1523.2 | 1523.2 | 1526.6 | 1516.4 |
| 167.5° | 1502.8 | 1489.2 | 1502.8 | 1502.8 | 1506.2 | 1506.2 | 1506.2 | 1513.0 | 1499.4 |
| 170° | 1489.2 | 1462.0 | 1489.2 | 1489.2 | 1482.4 | 1482.4 | 1479.0 | 1499.4 | 1482.4 |
| 172.5° | 1465.4 | 1458.6 | 1468.8 | 1468.8 | 1475.6 | 1472.2 | 1472.2 | 1475.6 | 1465.4 |
| 175° | 1451.8 | 1455.2 | 1468.8 | 1458.6 | 1455.2 | 1458.6 | 1448.4 | 1458.6 | 1448.4 |
| 177.5° | 1445.0 | 1445.0 | 1448.4 | 1451.8 | 1458.6 | 1451.8 | 1441.6 | 1451.8 | 1441.6 |
| 180° | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 | 1448.4 |

(END OF REPORT)