

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: P508427

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

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-1)
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-F-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(2) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

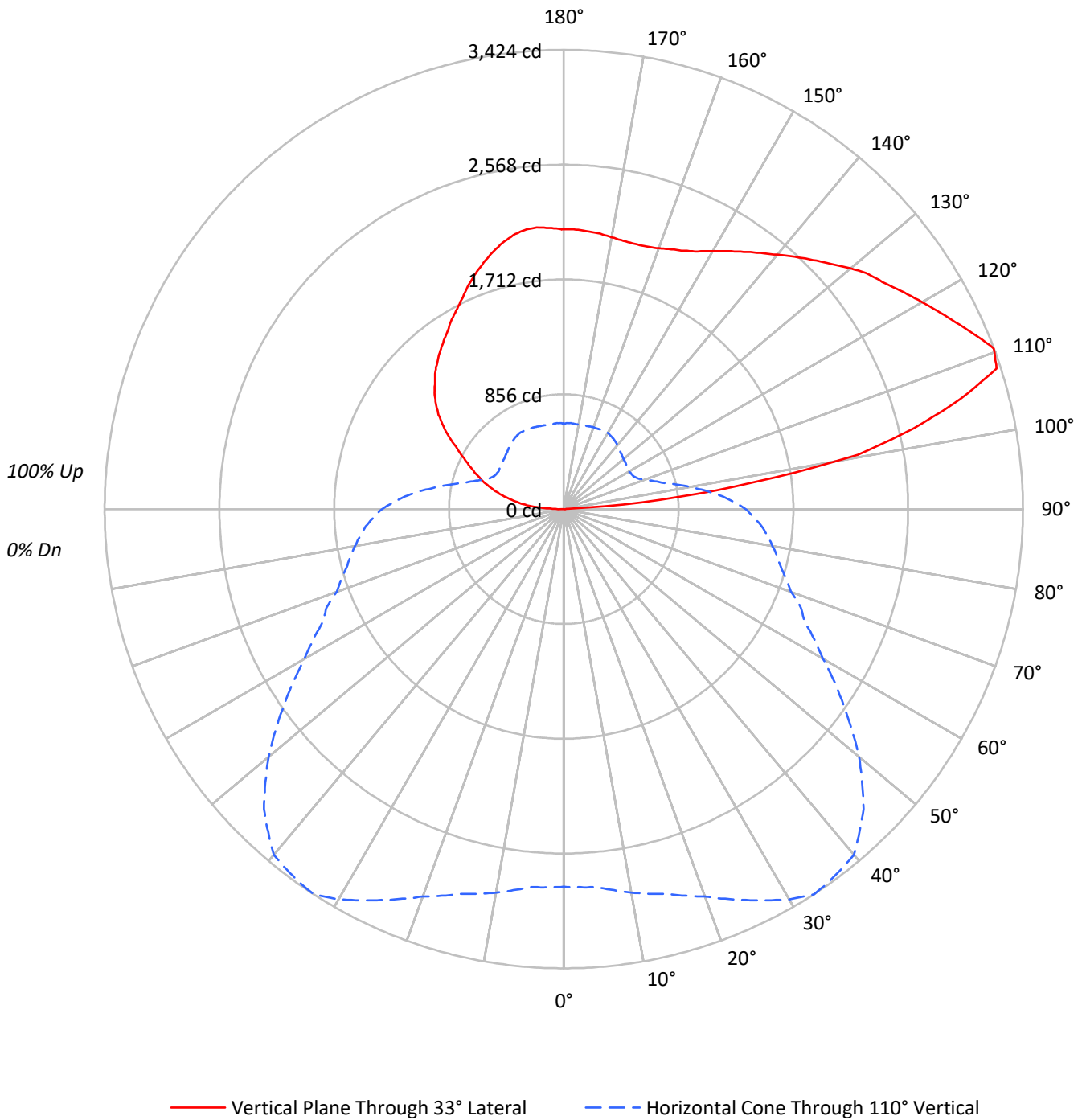
Lumens per Lamp: N/A
Luminaire Lumens: 9907.2 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508427
CATALOG NUMBER: ASYX-X-S2-X-U-F-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508427

CATALOG NUMBER: ASYX-X-S2-X-U-F-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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
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°	72224	27714	60467
100°	183357	59012	49738
105°	178157	65327	42420
110°	177191	85389	40233
115°	154483	96815	36890
120°	128379	95149	35573
125°	109359	88686	36242
130°	93484	81300	38261
135°	80426	74733	38714
140°	70130	68983	38602
145°	61652	63618	38869
150°	54089	59414	38878
155°	49666	55723	39412
160°	45954	51952	40738
165°	44405	49177	42738
170°	44220	46970	44518
175°	45258	45478	44891



TEST NUMBER: P508427

CATALOG NUMBER: ASYX-X-S2-X-U-F-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°	359.6	3.6
100°-110°	1326.4	13.4
110°-120°	1799.7	18.2
120°-130°	1791.7	18.1
130°-140°	1595.1	16.1
140°-150°	1296.1	13.1
150°-160°	951.7	9.6
160°-170°	587.3	5.9
170°-180°	199.5	2.0
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°	3485.7	35.2
90°-150°	8168.6	82.5
90°-180°	9907.0	100.0
0°-180°	9907.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	292	432	112	170	245	484
105°	2142	2876	785	462	510	2280
115°	3033	3121	1901	738	724	2965
125°	2914	2914	2363	1047	966	2604
135°	2642	2652	2455	1323	1272	2058
145°	2346	2353	2421	1567	1479	1475
155°	2091	2162	2346	1839	1659	965
165°	1992	2064	2206	2043	1918	569
175°	2094	2074	2104	2104	2077	197
180°	2088	2088	2088	2088	2088	



TEST NUMBER: P508427

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	33°	35°	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°	17.0	17.0	17.0	20.4	23.8	23.8	30.6	34.0	30.6	44.2	51.0
95°	292.4	336.6	482.8	574.6	567.8	537.2	571.2	669.8	720.8	656.2	557.6
97.5°	734.4	761.6	1064.2	1207.0	1332.8	1394.0	1448.4	1404.2	1428.0	1414.4	1288.6
100°	1479.0	1567.4	1672.8	1819.0	1999.1	2128.3	2226.9	2305.1	2230.3	2111.3	1764.6
102.5°	1893.8	1924.4	1995.7	2070.5	2264.3	2359.5	2458.1	2628.1	2679.1	2655.3	2468.3
105°	2141.9	2158.9	2226.9	2339.1	2488.7	2594.1	2716.5	2937.5	3066.7	3080.3	3093.9
107.5°	2454.7	2492.1	2573.7	2645.1	2821.9	2944.3	3053.1	3280.9	3393.1	3399.9	3352.3
110°	2815.1	2828.7	2903.5	2971.5	3073.5	3144.9	3216.3	3359.1	3423.7	3413.5	3365.9
112.5°	3008.9	3025.9	3053.1	3076.9	3124.5	3155.1	3199.3	3291.1	3328.5	3338.7	3291.1
115°	3032.7	3032.7	3053.1	3056.5	3110.9	3110.9	3131.3	3219.7	3236.7	3250.3	3223.1
117.5°	3012.3	3019.1	3032.7	3025.9	3049.7	3083.7	3076.9	3131.3	3151.7	3141.5	3151.7
120°	2981.7	2974.9	3002.1	2988.5	3005.5	3025.9	3012.3	3053.1	3070.1	3063.3	3097.3
122.5°	2951.1	2951.1	2961.3	2957.9	2951.1	2944.3	2947.7	2974.9	2991.9	2988.5	3008.9
125°	2913.7	2910.3	2906.9	2893.3	2910.3	2900.1	2883.1	2903.5	2917.1	2910.3	2930.7
127.5°	2852.5	2855.9	2849.1	2842.3	2821.9	2818.5	2835.5	2825.3	2859.3	2838.9	2859.3
130°	2791.3	2791.3	2784.5	2770.9	2764.1	2750.5	2747.1	2753.9	2774.3	2781.1	2750.5
132.5°	2743.7	2719.9	2702.9	2692.7	2692.7	2679.1	2672.3	2679.1	2689.3	2706.3	2709.7
135°	2641.7	2628.1	2628.1	2614.5	2634.9	2604.3	2597.5	2607.7	2611.1	2611.1	2631.5
137.5°	2583.9	2549.9	2536.3	2532.9	2529.5	2519.3	2519.3	2532.9	2536.3	2532.9	2549.9
140°	2495.5	2458.1	2471.7	2454.7	2458.1	2441.1	2447.9	2447.9	2461.5	2461.5	2478.5
142.5°	2444.5	2390.1	2383.3	2373.1	2376.5	2369.7	2403.7	2379.9	2393.5	2417.3	2407.1
145°	2345.9	2301.7	2311.9	2301.7	2305.1	2298.3	2315.3	2311.9	2328.9	2325.5	2342.5
147.5°	2240.5	2237.1	2240.5	2233.7	2240.5	2233.7	2254.1	2250.7	2267.7	2277.9	2281.3
150°	2175.9	2162.3	2165.7	2172.5	2165.7	2179.3	2179.3	2192.9	2209.9	2213.3	2226.9
152.5°	2107.9	2104.5	2121.5	2111.3	2118.1	2118.1	2128.3	2131.7	2155.5	2158.9	2192.9
155°	2090.9	2060.3	2060.3	2056.9	2073.9	2073.9	2087.5	2107.9	2118.1	2135.1	2138.5
157.5°	2029.7	2026.3	2026.3	2039.9	2022.9	2043.3	2073.9	2063.7	2090.9	2094.3	2107.9
160°	2005.9	1995.7	2002.5	2009.3	2009.3	2026.3	2050.1	2046.7	2063.7	2084.1	2087.5
162.5°	2019.5	1985.6	1989.0	2005.9	1999.1	2022.9	2026.3	2033.1	2050.1	2056.9	2077.3
165°	1992.4	1982.2	1975.4	1982.2	2002.5	2012.7	2022.9	2029.7	2046.7	2050.1	2060.3
167.5°	2002.5	1999.1	1999.1	2005.9	2019.5	2019.5	2036.5	2033.1	2050.1	2050.1	2056.9
170°	2022.9	2012.7	2019.5	2033.1	2009.3	2046.7	2043.3	2033.1	2060.3	2060.3	2070.5
172.5°	2050.1	2039.9	2043.3	2043.3	2043.3	2063.7	2067.1	2070.5	2073.9	2070.5	2070.5
175°	2094.3	2067.1	2063.7	2063.7	2070.5	2070.5	2077.3	2060.3	2080.7	2080.7	2077.3
177.5°	2084.1	2073.9	2090.9	2073.9	2067.1	2080.7	2090.9	2077.3	2087.5	2077.3	2087.5
180°	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5



TEST NUMBER: P508427

CATALOG NUMBER: ASYX-X-S2-X-U-F-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°	44.2	44.2	44.2	40.8	37.4	37.4	37.4	37.4	34.0	30.6	30.6
95°	431.8	343.4	312.8	258.4	217.6	200.6	173.4	173.4	129.2	105.4	112.2
97.5°	1084.6	843.2	669.8	506.6	482.8	452.2	448.8	380.8	336.6	306.0	265.2
100°	1407.6	1156.0	1003.0	918.0	805.8	754.8	717.4	646.0	601.8	540.6	476.0
102.5°	2090.9	1737.4	1438.2	1186.6	1016.6	945.2	897.6	822.8	768.4	707.2	625.6
105°	2876.3	2379.9	1880.2	1502.8	1275.0	1183.2	1101.6	1026.8	955.4	860.2	785.4
107.5°	3087.1	2726.7	2349.3	1927.8	1611.6	1519.8	1424.6	1298.8	1203.6	1122.0	992.8
110°	3161.9	2872.9	2546.5	2233.7	1978.8	1914.2	1802.0	1676.2	1581.0	1482.4	1356.6
112.5°	3131.3	2951.1	2689.3	2410.5	2203.1	2138.5	2056.9	1978.8	1927.8	1853.0	1686.4
115°	3121.1	2974.9	2791.3	2543.1	2356.1	2284.7	2220.1	2148.7	2135.1	2084.1	1900.6
117.5°	3076.9	2978.3	2838.9	2638.3	2471.7	2424.1	2359.5	2301.7	2294.9	2243.9	2084.1
120°	3046.3	2964.7	2845.7	2713.1	2570.3	2519.3	2464.9	2420.7	2400.3	2362.9	2209.9
122.5°	2974.9	2944.3	2852.5	2740.3	2611.1	2587.3	2536.3	2461.5	2495.5	2454.7	2308.5
125°	2913.7	2896.7	2872.9	2736.9	2645.1	2614.5	2577.1	2532.9	2543.1	2515.9	2362.9
127.5°	2849.1	2845.7	2828.7	2747.1	2662.1	2648.5	2604.3	2570.3	2563.5	2536.3	2400.3
130°	2798.1	2794.7	2770.9	2716.5	2662.1	2658.7	2614.5	2587.3	2583.9	2560.1	2427.5
132.5°	2723.3	2723.3	2736.9	2682.5	2648.5	2638.3	2617.9	2583.9	2594.1	2543.1	2441.1
135°	2651.9	2655.3	2665.5	2638.3	2658.7	2621.3	2600.9	2556.7	2577.1	2556.7	2454.7
137.5°	2570.3	2580.5	2600.9	2590.7	2600.9	2604.3	2577.1	2566.9	2566.9	2546.5	2451.3
140°	2471.7	2512.5	2549.9	2546.5	2566.9	2563.5	2553.3	2505.7	2549.9	2536.3	2454.7
142.5°	2427.5	2451.3	2495.5	2485.3	2529.5	2529.5	2522.7	2519.3	2529.5	2505.7	2441.1
145°	2352.7	2390.1	2424.1	2444.5	2471.7	2498.9	2488.7	2495.5	2498.9	2498.9	2420.7
147.5°	2305.1	2345.9	2390.1	2396.9	2444.5	2451.3	2454.7	2464.9	2485.3	2458.1	2427.5
150°	2254.1	2281.3	2332.3	2352.7	2403.7	2413.9	2410.5	2424.1	2458.1	2437.7	2390.1
152.5°	2175.9	2233.7	2277.9	2308.5	2345.9	2369.7	2373.1	2373.1	2403.7	2403.7	2376.5
155°	2162.3	2192.9	2233.7	2264.3	2305.1	2328.9	2332.3	2332.3	2362.9	2352.7	2345.9
157.5°	2131.7	2172.5	2206.5	2216.7	2267.7	2288.1	2288.1	2294.9	2322.1	2328.9	2305.1
160°	2111.3	2131.7	2172.5	2203.1	2230.3	2254.1	2257.5	2264.3	2281.3	2277.9	2267.7
162.5°	2080.7	2111.3	2148.7	2165.7	2196.3	2220.1	2216.7	2216.7	2247.3	2254.1	2240.5
165°	2063.7	2097.7	2141.9	2152.1	2172.5	2186.1	2182.7	2192.9	2220.1	2213.3	2206.5
167.5°	2070.5	2087.5	2124.9	2121.5	2145.3	2155.5	2155.5	2148.7	2165.7	2141.9	2162.3
170°	2080.7	2080.7	2101.1	2107.9	2128.3	2138.5	2128.3	2128.3	2138.5	2145.3	2148.7
172.5°	2084.1	2080.7	2097.7	2094.3	2101.1	2118.1	2107.9	2094.3	2114.7	2128.3	2111.3
175°	2073.9	2077.3	2104.5	2097.7	2087.5	2104.5	2087.5	2084.1	2114.7	2111.3	2104.5
177.5°	2063.7	2063.7	2080.7	2067.1	2090.9	2090.9	2073.9	2073.9	2107.9	2084.1	2077.3
180°	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5



TEST NUMBER: P508427

CATALOG NUMBER: ASYX-X-S2-X-U-F-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°	34.0	37.4	40.8	47.6	51.0	54.4	61.2	68.0	78.2	78.2	91.8
95°	108.8	112.2	112.2	119.0	122.4	122.4	125.8	139.4	153.0	170.0	200.6
97.5°	231.2	204.0	197.2	197.2	200.6	200.6	204.0	210.8	221.0	241.4	272.0
100°	408.0	346.8	302.6	278.8	272.0	268.6	272.0	272.0	289.0	316.2	350.2
102.5°	533.8	452.2	377.4	343.4	329.8	333.2	329.8	336.6	360.4	384.2	421.6
105°	673.2	567.8	472.6	421.6	401.2	397.8	397.8	404.6	431.8	462.4	489.6
107.5°	863.6	731.0	591.6	516.8	486.2	479.4	479.4	489.6	506.6	527.0	557.6
110°	1169.6	952.0	758.2	639.2	598.4	574.6	561.0	571.2	581.4	598.4	622.2
112.5°	1455.2	1186.6	931.6	751.4	697.0	659.6	639.2	639.2	652.8	666.4	683.4
115°	1652.4	1353.2	1077.8	867.0	788.8	754.8	710.6	714.0	724.2	737.8	748.0
117.5°	1829.2	1509.6	1200.2	975.8	887.4	833.0	788.8	778.6	799.0	816.0	822.8
120°	1955.0	1645.6	1322.6	1088.0	986.0	924.8	863.6	853.4	873.8	877.2	911.2
122.5°	2060.3	1744.2	1428.0	1186.6	1077.8	1026.8	952.0	938.4	952.0	975.8	1003.0
125°	2128.3	1832.6	1523.2	1278.4	1176.4	1108.4	1030.2	1020.0	1030.2	1047.2	1077.8
127.5°	2182.7	1904.0	1615.0	1373.6	1254.6	1200.2	1122.0	1101.6	1115.2	1122.0	1156.0
130°	2223.5	1985.6	1700.0	1465.4	1360.0	1305.6	1200.2	1179.8	1186.6	1203.6	1220.6
132.5°	2264.3	2036.5	1785.0	1560.6	1458.6	1397.4	1295.4	1251.2	1254.6	1268.2	1285.2
135°	2291.5	2090.9	1873.4	1655.8	1543.6	1496.0	1387.2	1343.0	1326.0	1322.6	1343.0
137.5°	2318.7	2141.9	1941.4	1744.2	1649.0	1594.6	1465.4	1414.4	1397.4	1394.0	1400.8
140°	2342.5	2186.1	2002.5	1839.4	1744.2	1679.6	1560.6	1496.0	1468.8	1455.2	1462.0
142.5°	2352.7	2223.5	2067.1	1941.4	1825.8	1751.0	1652.4	1587.8	1530.0	1513.0	1499.4
145°	2359.5	2281.3	2128.3	2005.9	1917.6	1873.4	1754.4	1669.4	1601.4	1567.4	1560.6
147.5°	2359.5	2277.9	2169.1	2060.3	1985.6	1938.0	1808.8	1754.4	1700.0	1642.2	1615.0
150°	2352.7	2315.3	2199.7	2114.7	2036.5	1999.1	1907.4	1805.4	1747.6	1706.8	1676.2
152.5°	2335.7	2284.7	2216.7	2141.9	2084.1	2060.3	1955.0	1890.4	1829.2	1768.0	1744.2
155°	2318.7	2277.9	2226.9	2165.7	2118.1	2087.5	2012.7	1948.2	1904.0	1839.4	1815.6
157.5°	2298.3	2271.1	2226.9	2192.9	2138.5	2118.1	2043.3	1999.1	1961.8	1897.2	1866.6
160°	2267.7	2250.7	2223.5	2175.9	2152.1	2135.1	2073.9	2039.9	2002.5	1955.0	1931.2
162.5°	2237.1	2240.5	2206.5	2196.3	2158.9	2145.3	2104.5	2067.1	2029.7	2002.5	1982.2
165°	2213.3	2226.9	2192.9	2158.9	2158.9	2152.1	2107.9	2090.9	2073.9	2043.3	2019.5
167.5°	2169.1	2186.1	2186.1	2145.3	2141.9	2152.1	2124.9	2107.9	2094.3	2070.5	2056.9
170°	2162.3	2162.3	2138.5	2141.9	2152.1	2128.3	2111.3	2107.9	2107.9	2094.3	2084.1
172.5°	2121.5	2141.9	2131.7	2124.9	2114.7	2114.7	2104.5	2107.9	2101.1	2104.5	2101.1
175°	2107.9	2111.3	2114.7	2111.3	2101.1	2101.1	2097.7	2101.1	2104.5	2104.5	2097.7
177.5°	2087.5	2097.7	2114.7	2097.7	2104.5	2090.9	2087.5	2094.3	2094.3	2097.7	2090.9
180°	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5



TEST NUMBER: P508427

CATALOG NUMBER: ASYX-X-S2-X-U-F-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°	102.0	108.8	112.2	115.6	119.0	108.8	108.8	98.6	91.8
95°	217.6	234.6	234.6	234.6	244.8	251.6	248.2	244.8	244.8
97.5°	295.8	323.0	343.4	346.8	346.8	346.8	350.2	350.2	343.4
100°	374.0	387.6	401.2	404.6	401.2	401.2	397.8	404.6	401.2
102.5°	448.8	462.4	465.8	469.2	465.8	462.4	455.6	462.4	448.8
105°	513.4	527.0	523.6	520.2	516.8	510.0	503.2	513.4	510.0
107.5°	584.8	588.2	591.6	595.0	581.4	578.0	578.0	584.8	581.4
110°	642.6	656.2	652.8	649.4	649.4	642.6	639.2	642.6	639.2
112.5°	703.8	710.6	707.2	707.2	703.8	693.6	683.4	686.8	683.4
115°	768.4	771.8	768.4	761.6	754.8	748.0	734.4	727.6	724.2
117.5°	836.4	833.0	826.2	822.8	816.0	812.6	792.2	782.0	778.6
120°	914.6	904.4	890.8	887.4	877.2	873.8	846.6	829.6	826.2
122.5°	1009.8	992.8	965.6	952.0	948.6	938.4	904.4	897.6	887.4
125°	1091.4	1084.6	1067.6	1057.4	1043.8	1013.2	975.8	958.8	965.6
127.5°	1169.6	1166.2	1159.4	1145.8	1128.8	1115.2	1084.6	1057.4	1050.6
130°	1234.2	1237.6	1227.4	1217.2	1207.0	1193.4	1159.4	1142.4	1142.4
132.5°	1295.4	1298.8	1305.6	1278.4	1271.6	1258.0	1227.4	1207.0	1213.8
135°	1343.0	1349.8	1339.6	1329.4	1322.6	1309.0	1278.4	1268.2	1271.6
137.5°	1407.6	1400.8	1390.6	1383.8	1366.8	1363.4	1339.6	1322.6	1315.8
140°	1448.4	1451.8	1451.8	1434.8	1417.8	1411.0	1387.2	1370.2	1373.6
142.5°	1502.8	1489.2	1496.0	1479.0	1468.8	1458.6	1428.0	1424.6	1424.6
145°	1543.6	1536.8	1533.4	1519.8	1516.4	1496.0	1485.8	1468.8	1479.0
147.5°	1587.8	1587.8	1587.8	1557.2	1550.4	1540.2	1530.0	1516.4	1526.6
150°	1652.4	1628.6	1621.8	1604.8	1591.2	1584.4	1560.6	1553.8	1564.0
152.5°	1703.4	1676.2	1655.8	1645.6	1642.2	1632.0	1618.4	1608.2	1608.2
155°	1764.6	1727.2	1727.2	1689.8	1679.6	1672.8	1659.2	1655.8	1659.2
157.5°	1829.2	1795.2	1778.2	1757.8	1740.8	1734.0	1717.0	1710.2	1717.0
160°	1876.8	1873.4	1836.0	1825.8	1808.8	1798.6	1795.2	1778.2	1778.2
162.5°	1951.6	1904.0	1897.2	1887.0	1873.4	1859.8	1853.0	1846.2	1853.0
165°	1992.4	1978.8	1961.8	1948.2	1938.0	1934.6	1914.2	1921.0	1917.6
167.5°	2039.9	2029.7	2012.7	2002.5	2005.9	1992.4	1992.4	1975.4	1978.8
170°	2073.9	2080.7	2060.3	2050.1	2043.3	2043.3	2029.7	2029.7	2036.5
172.5°	2097.7	2107.9	2090.9	2084.1	2077.3	2084.1	2070.5	2067.1	2073.9
175°	2104.5	2118.1	2104.5	2101.1	2094.3	2114.7	2090.9	2090.9	2077.3
177.5°	2097.7	2101.1	2114.7	2094.3	2094.3	2101.1	2104.5	2077.3	2094.3
180°	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5	2087.5

(END OF REPORT)