

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

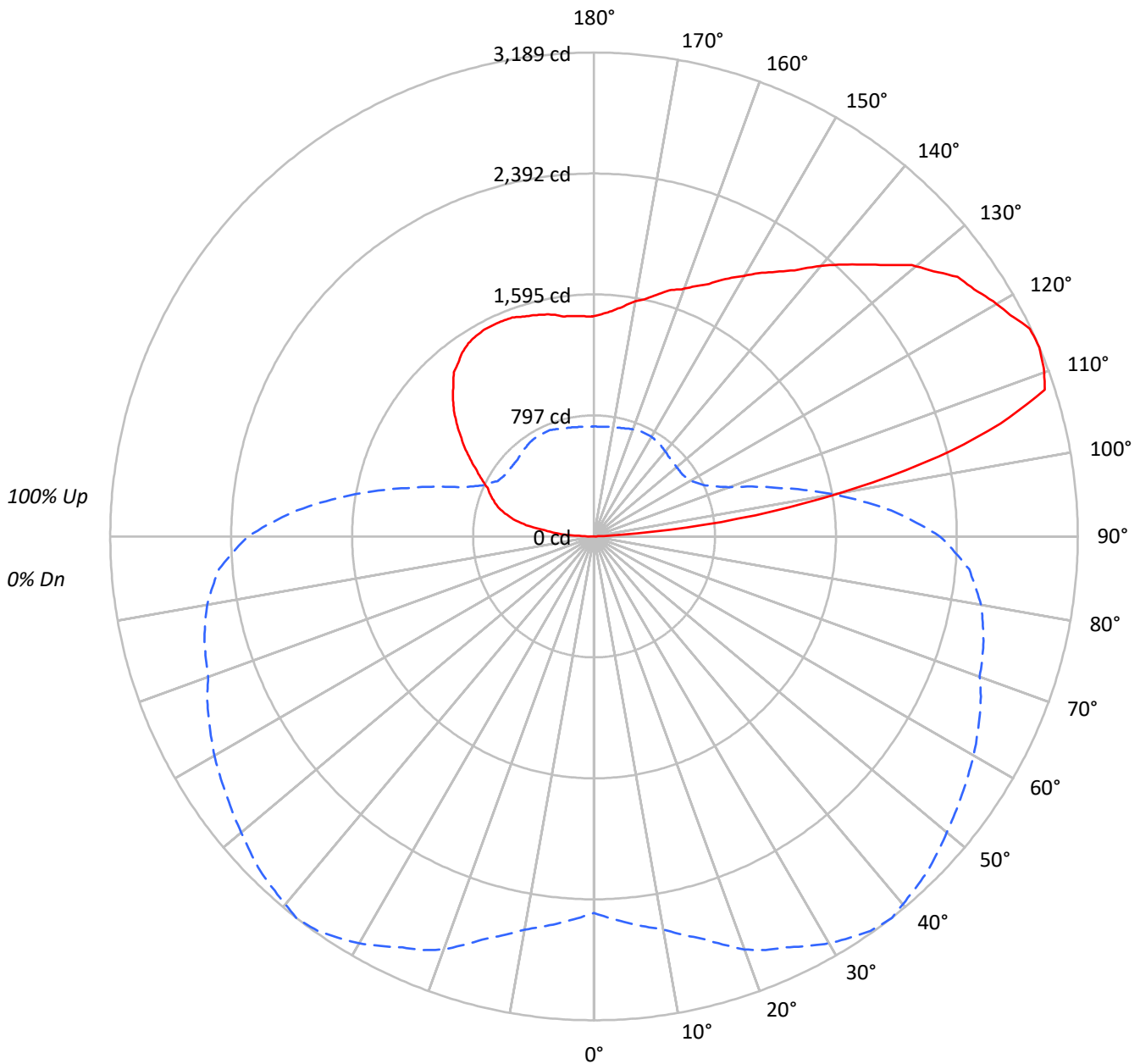
Lumens per Lamp: N/A
Luminaire Lumens: 9587.8 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
CIE Type: Indirect

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



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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)