

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: P508431

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

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-3)
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-HSS-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(2) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR
OPTICS WITH HOUSE SIDE SHIELD
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

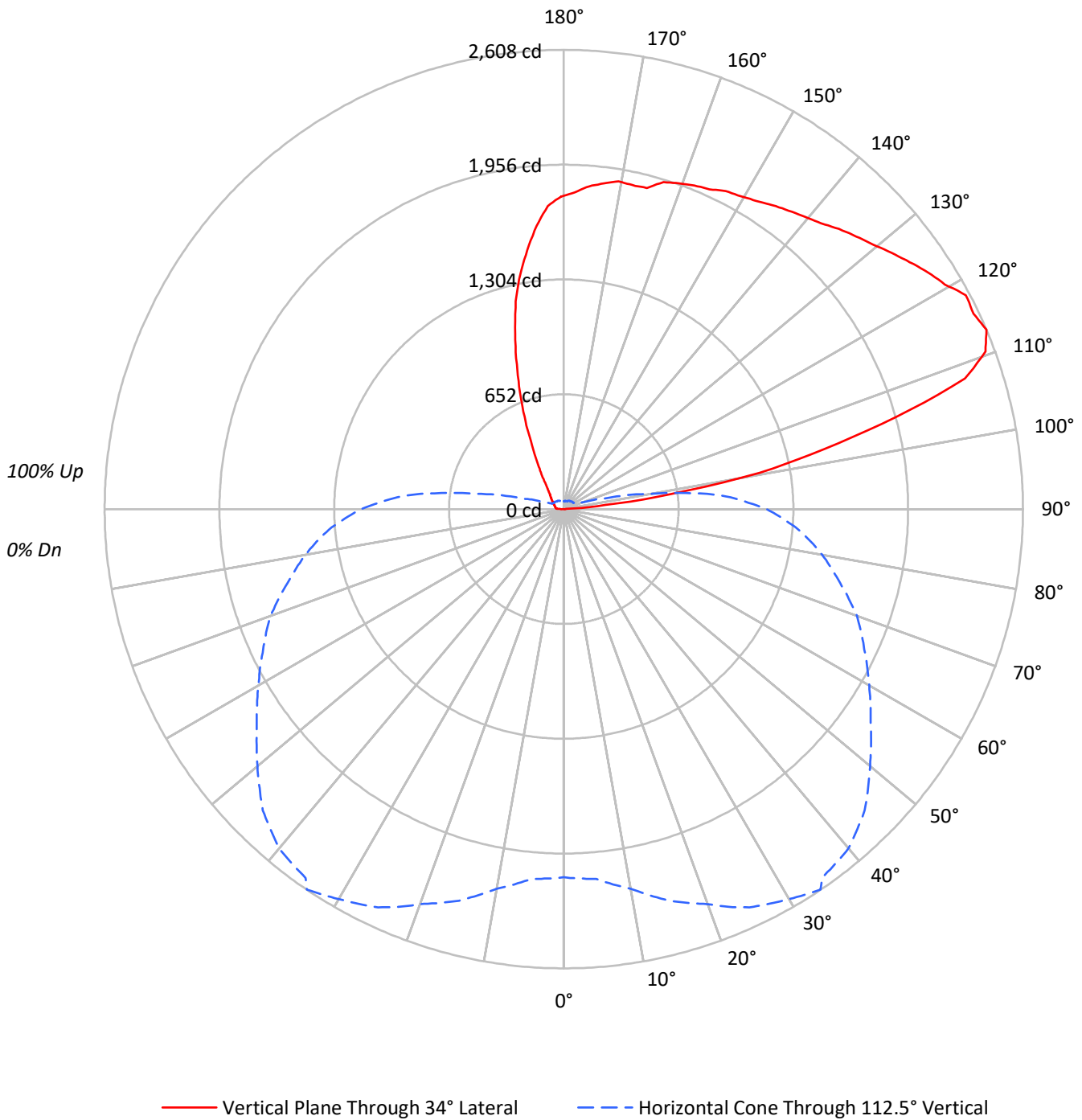
Lumens per Lamp: N/A
Luminaire Lumens: 6112.2 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508431
CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508431

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-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°	840	10078	11757
100°	34142	20654	6323
105°	104637	32805	3959
110°	120058	56284	2782
115°	109458	65813	2425
120°	93685	63679	2342
125°	78736	61126	2425
130°	71055	57277	2619
135°	62936	53413	2795
140°	58189	48825	3153
145°	53255	45213	3574
150°	50457	41836	4987
155°	47407	39815	7592
160°	45255	38790	11995
165°	43344	38343	18868
170°	41844	38277	27723
175°	40190	38207	34092



TEST NUMBER: P508431

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-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°	118.9	1.9
100°-110°	744.9	12.2
110°-120°	1151.4	18.8
120°-130°	1111.2	18.2
130°-140°	965.1	15.8
140°-150°	795.5	13.0
150°-160°	626.8	10.3
160°-170°	434.9	7.1
170°-180°	163.4	2.7
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°	2015.2	33.0
90°-150°	4887.0	80.0
90°-180°	6112.0	100.0
0°-180°	6112.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	3	31	41	37	48	58
105°	1258	2020	394	51	48	1234
115°	2149	2451	1292	65	48	2090
125°	2098	2390	1629	85	65	1918
135°	2067	2193	1754	119	92	1608
145°	2026	2050	1720	241	136	1285
155°	1996	1969	1676	592	320	920
165°	1945	1890	1720	1170	847	552
175°	1860	1826	1768	1652	1578	178
180°	1775	1775	1775	1775	1775	



TEST NUMBER: P508431

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	34°	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°	0.0	0.0	3.4	3.4	10.2	6.8	6.8	10.2	13.6	17.0	6.8
95°	3.4	3.4	6.8	88.4	265.2	292.4	278.8	268.6	234.6	204.0	51.0
97.5°	71.4	85.0	136.0	363.8	737.8	850.0	904.4	741.2	608.6	564.4	302.6
100°	275.4	319.6	442.0	836.4	1247.8	1275.0	1264.8	1230.8	1132.2	1067.6	819.4
102.5°	734.4	765.0	935.0	1285.2	1509.6	1557.2	1557.2	1526.6	1516.4	1496.0	1417.8
105°	1258.0	1292.0	1428.0	1608.2	1744.2	1795.2	1822.4	1890.4	1958.4	1968.6	2043.4
107.5°	1608.2	1642.2	1747.6	1883.6	2060.4	2125.0	2203.1	2311.9	2396.9	2386.7	2369.7
110°	1907.4	1944.8	2043.4	2179.3	2308.5	2386.7	2461.5	2509.1	2556.7	2509.1	2485.3
112.5°	2091.0	2108.0	2189.5	2301.7	2386.7	2444.5	2495.5	2556.7	2607.7	2556.7	2515.9
115°	2148.8	2159.0	2230.3	2308.5	2400.3	2454.7	2492.1	2556.7	2577.1	2566.9	2532.9
117.5°	2145.4	2189.5	2250.7	2305.1	2393.5	2437.7	2475.1	2526.1	2587.3	2560.1	2526.1
120°	2175.9	2179.3	2243.9	2308.5	2373.1	2410.5	2410.5	2485.3	2512.5	2505.7	2498.9
122.5°	2165.7	2175.9	2230.3	2271.1	2339.1	2369.7	2400.3	2437.7	2468.3	2458.1	2458.1
125°	2097.8	2162.4	2192.9	2240.5	2305.1	2325.5	2356.1	2386.7	2413.9	2403.7	2400.3
127.5°	2138.6	2142.0	2169.1	2220.1	2260.9	2274.5	2308.5	2335.7	2362.9	2359.5	2366.3
130°	2121.6	2111.4	2175.9	2196.3	2226.9	2250.7	2267.7	2291.5	2311.9	2311.9	2318.7
132.5°	2108.0	2108.0	2128.4	2169.1	2196.3	2213.3	2240.5	2247.3	2271.1	2277.9	2264.3
135°	2067.2	2094.4	2125.0	2138.6	2169.1	2182.7	2196.3	2209.9	2230.3	2237.1	2213.3
137.5°	2026.4	2067.2	2108.0	2128.4	2152.2	2152.2	2152.2	2172.5	2182.7	2192.9	2169.1
140°	2070.6	2067.2	2104.6	2101.2	2114.8	2111.4	2135.2	2138.6	2152.2	2145.4	2131.8
142.5°	2060.4	2060.4	2070.6	2084.2	2080.8	2087.6	2104.6	2121.6	2121.6	2128.4	2104.6
145°	2026.4	2036.6	2053.6	2067.2	2067.2	2063.8	2084.2	2087.6	2094.4	2091.0	2077.4
147.5°	2040.0	2040.0	2040.0	2057.0	2057.0	2057.0	2060.4	2063.8	2063.8	2067.2	2057.0
150°	2029.8	2033.2	2040.0	2033.2	2050.2	2023.0	2040.0	2040.0	2040.0	2043.4	2036.6
152.5°	1961.8	2009.4	2026.4	2023.0	2009.4	2016.2	2019.6	2033.2	2026.4	2033.2	2012.8
155°	1995.8	1992.4	1995.8	1999.2	1989.0	1995.8	1999.2	1999.2	1995.8	1999.2	1982.2
157.5°	1985.6	1982.2	1999.2	1978.8	1989.0	1995.8	1982.2	1992.4	1982.2	1995.8	1989.0
160°	1975.4	1968.6	1982.2	1968.6	1982.2	1965.2	1955.0	1972.0	1961.8	1985.6	1951.6
162.5°	1961.8	1958.4	1972.0	1955.0	1941.4	1934.6	1944.8	1948.2	1941.4	1948.2	1931.2
165°	1944.8	1944.8	1944.8	1927.8	1938.0	1938.0	1924.4	1927.8	1883.6	1931.2	1910.8
167.5°	1931.2	1944.8	1927.8	1910.8	1931.2	1931.2	1907.4	1910.8	1880.2	1904.0	1893.8
170°	1914.2	1900.6	1904.0	1904.0	1921.0	1890.4	1873.4	1904.0	1887.0	1904.0	1887.0
172.5°	1873.4	1887.0	1887.0	1880.2	1870.0	1870.0	1866.6	1873.4	1863.2	1866.6	1856.4
175°	1859.8	1859.8	1866.6	1876.8	1856.4	1853.0	1832.6	1849.6	1839.4	1846.2	1836.0
177.5°	1808.8	1836.0	1832.6	1808.8	1822.4	1802.0	1812.2	1819.0	1798.6	1815.6	1798.6
180°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8



TEST NUMBER: P508431

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-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°	6.8	6.8	6.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
95°	30.6	40.8	98.6	81.6	61.2	57.8	64.6	57.8	51.0	44.2	40.8
97.5°	244.8	275.4	289.0	255.0	251.6	231.2	207.4	156.4	142.8	125.8	98.6
100°	669.8	595.0	557.6	496.4	401.2	363.8	333.2	275.4	224.4	197.2	166.6
102.5°	1281.8	1142.4	962.2	771.8	629.0	574.6	513.4	428.4	360.4	299.2	248.2
105°	2019.6	1754.4	1404.2	1149.2	958.8	839.8	785.4	649.4	537.2	469.2	394.4
107.5°	2264.3	2094.4	1876.8	1611.6	1387.2	1278.4	1159.4	979.2	836.4	710.6	598.4
110°	2366.3	2220.1	2057.0	1900.6	1747.6	1649.0	1567.4	1383.8	1207.0	1050.6	894.2
112.5°	2417.3	2271.1	2128.4	2002.6	1883.6	1829.2	1771.4	1625.2	1489.2	1339.6	1152.6
115°	2451.3	2335.7	2209.9	2077.4	1985.6	1927.8	1876.8	1744.2	1618.4	1482.4	1292.0
117.5°	2468.3	2352.7	2260.9	2152.2	2057.0	2009.4	1955.0	1836.0	1710.2	1584.4	1394.0
120°	2447.9	2369.7	2294.9	2203.1	2111.4	2063.8	2019.6	1900.6	1785.0	1666.0	1479.0
122.5°	2420.7	2376.5	2318.7	2226.9	2159.0	2118.2	2080.8	1961.8	1859.8	1723.8	1553.8
125°	2390.1	2345.9	2284.7	2226.9	2172.5	2142.0	2114.8	2009.4	1904.0	1788.4	1628.6
127.5°	2342.5	2301.7	2254.1	2206.5	2165.7	2135.2	2125.0	2033.2	1934.6	1832.6	1669.4
130°	2291.5	2257.5	2216.7	2169.1	2142.0	2108.0	2111.4	2029.8	1951.6	1856.4	1710.2
132.5°	2223.5	2199.7	2189.5	2138.6	2111.4	2094.4	2070.6	2016.2	1951.6	1876.8	1737.4
135°	2192.9	2169.1	2152.2	2108.0	2067.2	2060.4	2026.4	1995.8	1941.4	1887.0	1754.4
137.5°	2138.6	2125.0	2114.8	2067.2	2026.4	2026.4	2016.2	1975.4	1927.8	1853.0	1740.8
140°	2114.8	2097.8	2070.6	2033.2	2009.4	1989.0	1978.8	1944.8	1887.0	1829.2	1737.4
142.5°	2074.0	2060.4	2053.6	2019.6	1982.2	1961.8	1941.4	1904.0	1863.2	1822.4	1723.8
145°	2050.2	2046.8	2040.0	2006.0	1948.2	1938.0	1931.2	1890.4	1853.0	1788.4	1720.4
147.5°	2019.6	2023.0	2016.2	1975.4	1938.0	1914.2	1897.2	1859.8	1832.6	1778.2	1693.2
150°	1999.2	2002.6	1995.8	1944.8	1904.0	1893.8	1887.0	1849.6	1798.6	1754.4	1683.0
152.5°	1989.0	1978.8	1961.8	1941.4	1897.2	1873.4	1866.6	1825.8	1798.6	1744.2	1676.2
155°	1968.6	1955.0	1944.8	1910.8	1883.6	1859.8	1842.8	1819.0	1788.4	1734.0	1676.2
157.5°	1948.2	1934.6	1927.8	1921.0	1883.6	1849.6	1846.2	1819.0	1771.4	1730.6	1683.0
160°	1927.8	1893.8	1921.0	1880.2	1870.0	1842.8	1822.4	1805.4	1771.4	1734.0	1693.2
162.5°	1907.4	1897.2	1893.8	1870.0	1849.6	1832.6	1802.0	1812.2	1771.4	1737.4	1706.8
165°	1890.4	1880.2	1876.8	1870.0	1839.4	1825.8	1819.0	1798.6	1781.6	1747.6	1720.4
167.5°	1873.4	1856.4	1863.2	1856.4	1819.0	1829.2	1812.2	1798.6	1788.4	1761.2	1734.0
170°	1870.0	1836.0	1853.0	1849.6	1822.4	1819.0	1798.6	1795.2	1785.0	1764.6	1751.0
172.5°	1853.0	1829.2	1839.4	1829.2	1815.6	1805.4	1805.4	1808.8	1791.8	1778.2	1761.2
175°	1825.8	1812.2	1815.6	1825.8	1805.4	1798.6	1781.6	1795.2	1798.6	1774.8	1768.0
177.5°	1795.2	1808.8	1798.6	1812.2	1795.2	1791.8	1781.6	1791.8	1791.8	1771.4	1771.4
180°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8



TEST NUMBER: P508431

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-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°	10.2	13.6	13.6	17.0	20.4	20.4	23.8	23.8	27.2	30.6	34.0
95°	20.4	17.0	20.4	23.8	23.8	27.2	30.6	30.6	34.0	37.4	37.4
97.5°	40.8	27.2	27.2	27.2	30.6	30.6	34.0	37.4	40.8	40.8	40.8
100°	78.2	44.2	44.2	34.0	34.0	37.4	37.4	40.8	44.2	44.2	44.2
102.5°	136.0	81.6	64.6	44.2	40.8	40.8	44.2	44.2	47.6	47.6	47.6
105°	255.0	163.2	91.8	54.4	51.0	47.6	47.6	47.6	51.0	51.0	51.0
107.5°	448.8	261.8	129.2	71.4	61.2	54.4	54.4	54.4	54.4	54.4	54.4
110°	683.4	384.2	176.8	91.8	74.8	64.6	61.2	61.2	57.8	57.8	57.8
112.5°	897.6	503.2	224.4	112.2	88.4	74.8	68.0	64.6	64.6	61.2	57.8
115°	1033.6	591.6	272.0	129.2	102.0	85.0	71.4	71.4	68.0	64.6	61.2
117.5°	1132.2	683.4	329.8	156.4	119.0	98.6	78.2	74.8	71.4	71.4	68.0
120°	1227.4	778.6	391.0	187.0	142.8	112.2	88.4	81.6	78.2	74.8	71.4
122.5°	1319.2	870.4	459.0	224.4	166.6	132.6	98.6	88.4	85.0	78.2	78.2
125°	1390.6	965.6	537.2	272.0	200.6	156.4	112.2	95.2	88.4	85.0	81.6
127.5°	1468.8	1060.8	618.8	323.0	238.0	187.0	129.2	105.4	98.6	91.8	88.4
130°	1526.6	1152.6	707.2	391.0	292.4	224.4	153.0	119.0	105.4	98.6	95.2
132.5°	1570.8	1230.8	795.6	465.8	357.0	272.0	183.6	142.8	119.0	108.8	102.0
135°	1584.4	1298.8	887.4	547.4	425.0	333.2	224.4	170.0	136.0	119.0	112.2
137.5°	1598.0	1353.2	975.8	639.2	513.4	408.0	272.0	204.0	163.2	139.4	122.4
140°	1591.2	1394.0	1060.8	741.2	605.2	489.6	336.6	248.2	197.2	166.6	142.8
142.5°	1587.8	1428.0	1149.2	836.4	700.4	584.8	414.8	306.0	241.4	197.2	170.0
145°	1594.6	1451.8	1213.8	938.4	812.6	693.6	510.0	374.0	295.8	241.4	210.8
147.5°	1570.8	1465.4	1292.0	1026.8	911.2	795.6	612.0	465.8	370.6	302.6	258.4
150°	1591.2	1472.2	1326.0	1115.2	1006.4	901.0	724.2	571.2	462.4	380.8	326.4
152.5°	1587.8	1479.0	1363.4	1193.4	1101.6	1003.0	826.2	676.6	561.0	476.0	411.4
155°	1604.8	1482.4	1400.8	1271.6	1190.0	1101.6	941.8	799.0	676.6	591.6	516.8
157.5°	1618.4	1526.6	1445.0	1343.0	1271.6	1196.8	1060.8	928.2	812.6	724.2	632.4
160°	1638.8	1550.4	1479.0	1400.8	1353.2	1275.0	1176.4	1071.0	958.8	863.6	788.8
162.5°	1649.0	1587.8	1526.6	1448.4	1417.8	1363.4	1281.8	1203.6	1108.4	1020.0	948.6
165°	1669.4	1608.2	1567.4	1502.8	1472.2	1424.6	1373.6	1302.2	1244.4	1169.6	1115.2
167.5°	1689.8	1649.0	1615.0	1564.0	1536.8	1502.8	1458.6	1411.0	1380.4	1322.6	1268.2
170°	1710.2	1676.2	1659.2	1635.4	1594.6	1567.4	1547.0	1513.0	1472.2	1445.0	1414.4
172.5°	1727.2	1713.6	1703.4	1696.6	1655.8	1635.4	1621.8	1584.4	1584.4	1547.0	1523.2
175°	1754.4	1710.2	1740.8	1723.8	1710.2	1693.2	1686.4	1676.2	1666.0	1652.4	1638.8
177.5°	1768.0	1761.2	1768.0	1761.2	1757.8	1740.8	1751.0	1740.8	1737.4	1734.0	1723.8
180°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8



TEST NUMBER: P508431

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-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°	37.4	37.4	40.8	40.8	40.8	40.8	44.2	40.8	37.4
95°	40.8	44.2	44.2	44.2	47.6	47.6	47.6	47.6	47.6
97.5°	44.2	44.2	47.6	47.6	47.6	51.0	51.0	51.0	51.0
100°	47.6	47.6	47.6	51.0	51.0	51.0	51.0	51.0	51.0
102.5°	47.6	47.6	47.6	51.0	51.0	51.0	51.0	51.0	51.0
105°	51.0	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
107.5°	51.0	51.0	47.6	47.6	47.6	47.6	47.6	47.6	47.6
110°	54.4	51.0	47.6	47.6	47.6	47.6	47.6	47.6	44.2
112.5°	57.8	54.4	51.0	47.6	47.6	47.6	47.6	44.2	44.2
115°	61.2	57.8	54.4	54.4	51.0	51.0	51.0	47.6	47.6
117.5°	64.6	61.2	57.8	57.8	54.4	54.4	51.0	51.0	51.0
120°	68.0	68.0	64.6	61.2	61.2	57.8	57.8	54.4	54.4
122.5°	74.8	68.0	68.0	68.0	68.0	64.6	61.2	61.2	61.2
125°	78.2	74.8	74.8	74.8	71.4	71.4	68.0	64.6	64.6
127.5°	85.0	81.6	81.6	78.2	78.2	74.8	74.8	71.4	71.4
130°	91.8	88.4	85.0	85.0	85.0	81.6	81.6	78.2	78.2
132.5°	98.6	95.2	95.2	91.8	91.8	88.4	88.4	85.0	85.0
135°	108.8	102.0	102.0	102.0	98.6	95.2	95.2	95.2	91.8
137.5°	115.6	112.2	108.8	105.4	105.4	105.4	102.0	102.0	102.0
140°	132.6	122.4	119.0	115.6	115.6	112.2	112.2	112.2	112.2
142.5°	153.0	142.8	132.6	129.2	125.8	122.4	122.4	119.0	119.0
145°	187.0	170.0	156.4	153.0	146.2	139.4	139.4	136.0	136.0
147.5°	227.8	207.4	190.4	183.6	180.2	173.4	166.6	163.2	159.8
150°	285.6	255.0	238.0	231.2	224.4	210.8	204.0	200.6	200.6
152.5°	360.4	326.4	299.2	285.6	278.8	265.2	255.0	251.6	255.0
155°	452.2	411.4	384.2	367.2	353.6	336.6	329.8	326.4	319.6
157.5°	581.4	527.0	486.2	472.6	455.6	438.6	428.4	418.2	411.4
160°	720.8	659.6	622.2	605.2	584.8	557.6	544.0	530.4	523.6
162.5°	873.8	822.8	778.6	751.4	741.2	707.2	693.6	676.6	680.0
165°	1043.8	989.4	955.4	935.0	907.8	890.8	880.6	856.8	846.6
167.5°	1224.0	1162.8	1145.8	1118.6	1094.8	1071.0	1071.0	1060.8	1050.6
170°	1360.0	1346.4	1326.0	1295.4	1292.0	1275.0	1275.0	1264.8	1268.2
172.5°	1489.2	1468.8	1468.8	1458.6	1448.4	1441.6	1424.6	1431.4	1431.4
175°	1618.4	1608.2	1601.4	1574.2	1581.0	1581.0	1570.8	1570.8	1577.6
177.5°	1723.8	1723.8	1717.0	1713.6	1710.2	1713.6	1717.0	1720.4	1713.6
180°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8

(END OF REPORT)