

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: P508432

Luminaire Tested: **ASYX-X-S2-X-U-HSS-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508432  
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-L30-1-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: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

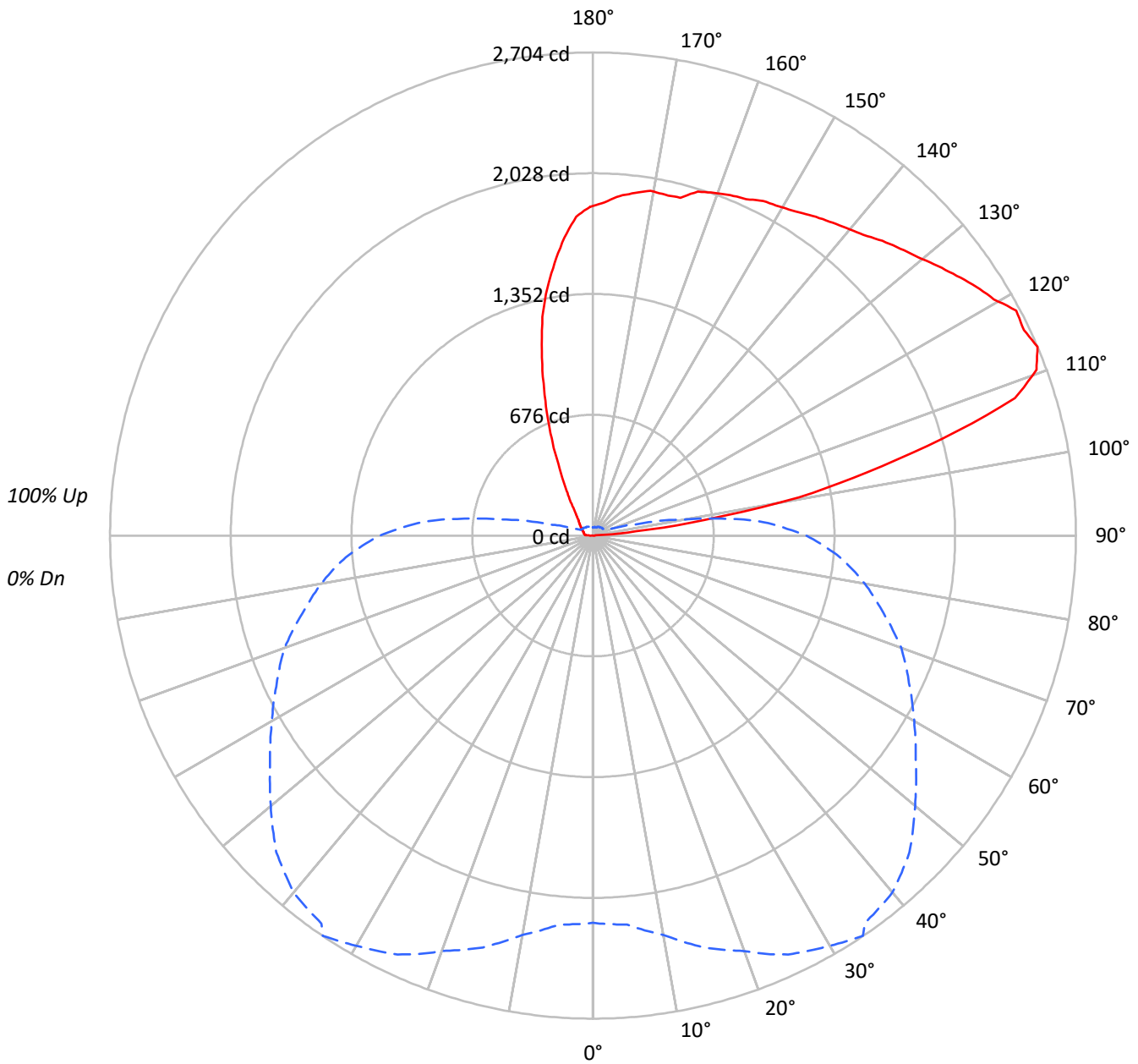
Lumens per Lamp: N/A  
Luminaire Lumens: 6338.5 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
CIE Type: Indirect

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: P508432  
CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L30-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot



— Vertical Plane Through 34° Lateral      - - - Horizontal Cone Through 112.5° Vertical



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									20
RC	80									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	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°	865	10448	12202
100°	35407	21423	6558
105°	108513	34019	4109
110°	124502	58367	2883
115°	113508	68248	2516
120°	97155	66034	2428
125°	81648	63389	2515
130°	73684	59397	2716
135°	65265	55388	2898
140°	60342	50632	3271
145°	55226	46887	3706
150°	52324	43385	5171
155°	49162	41288	7872
160°	46930	40227	12440
165°	44949	39763	19566
170°	43394	39693	28748
175°	41677	39620	35354



TEST NUMBER: P508432

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L30-1-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°	123.3	1.9
100°-110°	772.5	12.2
110°-120°	1194.1	18.8
120°-130°	1152.4	18.2
130°-140°	1000.8	15.8
140°-150°	824.9	13.0
150°-160°	650.0	10.3
160°-170°	451.0	7.1
170°-180°	169.5	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°	2089.9	33.0
90°-150°	5068.0	80.0
90°-180°	6338.0	100.0
0°-180°	6338.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	4	32	42	39	49	60
105°	1305	2094	409	53	49	1280
115°	2228	2542	1340	67	49	2167
125°	2175	2479	1689	88	67	1989
135°	2144	2274	1819	123	95	1667
145°	2101	2126	1784	250	141	1332
155°	2070	2042	1738	614	331	954
165°	2017	1960	1784	1213	878	573
175°	1929	1893	1833	1714	1636	185
180°	1840	1840	1840	1840	1840	



TEST NUMBER: P508432

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L30-1-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	3.5	3.5	10.6	7.1	7.1	10.6	14.1	17.6	7.1
95°	3.5	3.5	7.1	91.7	275.0	303.2	289.1	278.5	243.3	211.6	52.9
97.5°	74.0	88.1	141.0	377.3	765.1	881.5	937.9	768.6	631.1	585.3	313.8
100°	285.6	331.4	458.4	867.4	1294.0	1322.2	1311.6	1276.4	1174.1	1107.1	849.7
102.5°	761.6	793.3	969.6	1332.8	1565.5	1614.8	1614.8	1583.1	1572.5	1551.4	1470.3
105°	1304.6	1339.8	1480.9	1667.7	1808.8	1861.6	1889.9	1960.4	2030.9	2041.5	2119.0
107.5°	1667.7	1703.0	1812.3	1953.3	2136.7	2203.7	2284.7	2397.6	2485.7	2475.1	2457.5
110°	1978.0	2016.8	2119.0	2260.1	2394.0	2475.1	2552.7	2602.1	2651.4	2602.1	2577.4
112.5°	2168.4	2186.0	2270.6	2387.0	2475.1	2535.1	2588.0	2651.4	2704.3	2651.4	2609.1
115°	2228.3	2238.9	2313.0	2394.0	2489.2	2545.7	2584.4	2651.4	2672.6	2662.0	2626.8
117.5°	2224.8	2270.6	2334.1	2390.5	2482.2	2528.0	2566.8	2619.7	2683.2	2655.0	2619.7
120°	2256.5	2260.1	2327.1	2394.0	2461.0	2499.8	2499.8	2577.4	2605.6	2598.5	2591.5
122.5°	2246.0	2256.5	2313.0	2355.3	2425.8	2457.5	2489.2	2528.0	2559.8	2549.2	2549.2
125°	2175.4	2242.4	2274.2	2323.5	2390.5	2411.7	2443.4	2475.1	2503.3	2492.8	2489.2
127.5°	2217.8	2221.3	2249.5	2302.4	2344.7	2358.8	2394.0	2422.3	2450.5	2446.9	2454.0
130°	2200.1	2189.5	2256.5	2277.7	2309.4	2334.1	2351.7	2376.4	2397.6	2397.6	2404.6
132.5°	2186.0	2186.0	2207.2	2249.5	2277.7	2295.3	2323.5	2330.6	2355.3	2362.3	2348.2
135°	2143.7	2171.9	2203.7	2217.8	2249.5	2263.6	2277.7	2291.8	2313.0	2320.0	2295.3
137.5°	2101.4	2143.7	2186.0	2207.2	2231.9	2231.9	2231.9	2253.0	2263.6	2274.2	2249.5
140°	2147.2	2143.7	2182.5	2179.0	2193.1	2189.5	2214.2	2217.8	2231.9	2224.8	2210.7
142.5°	2136.7	2136.7	2147.2	2161.3	2157.8	2164.9	2182.5	2200.1	2200.1	2207.2	2182.5
145°	2101.4	2112.0	2129.6	2143.7	2143.7	2140.2	2161.3	2164.9	2171.9	2168.4	2154.3
147.5°	2115.5	2115.5	2115.5	2133.1	2133.1	2133.1	2136.7	2140.2	2140.2	2143.7	2133.1
150°	2104.9	2108.5	2115.5	2108.5	2126.1	2097.9	2115.5	2115.5	2115.5	2119.0	2112.0
152.5°	2034.4	2083.8	2101.4	2097.9	2083.8	2090.8	2094.4	2108.5	2101.4	2108.5	2087.3
155°	2069.7	2066.1	2069.7	2073.2	2062.6	2069.7	2073.2	2073.2	2069.7	2073.2	2055.6
157.5°	2059.1	2055.6	2073.2	2052.0	2062.6	2069.7	2055.6	2066.1	2055.6	2069.7	2062.6
160°	2048.5	2041.5	2055.6	2041.5	2055.6	2037.9	2027.4	2045.0	2034.4	2059.1	2023.8
162.5°	2034.4	2030.9	2045.0	2027.4	2013.3	2006.2	2016.8	2020.3	2013.3	2020.3	2002.7
165°	2016.8	2016.8	2016.8	1999.2	2009.7	2009.7	1995.6	1999.2	1953.3	2002.7	1981.5
167.5°	2002.7	2016.8	1999.2	1981.5	2002.7	2002.7	1978.0	1981.5	1949.8	1974.5	1963.9
170°	1985.1	1970.9	1974.5	1974.5	1992.1	1960.4	1942.7	1974.5	1956.8	1974.5	1956.8
172.5°	1942.7	1956.8	1956.8	1949.8	1939.2	1939.2	1935.7	1942.7	1932.2	1935.7	1925.1
175°	1928.6	1928.6	1935.7	1946.3	1925.1	1921.6	1900.4	1918.1	1907.5	1914.5	1904.0
177.5°	1875.7	1904.0	1900.4	1875.7	1889.9	1868.7	1879.3	1886.3	1865.2	1882.8	1865.2
180°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5



TEST NUMBER: P508432

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L30-1-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°	7.1	7.1	7.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
95°	31.7	42.3	102.2	84.6	63.5	59.9	67.0	59.9	52.9	45.8	42.3
97.5°	253.9	285.6	299.7	264.4	260.9	239.8	215.1	162.2	148.1	130.5	102.2
100°	694.6	617.0	578.2	514.8	416.0	377.3	345.5	285.6	232.7	204.5	172.8
102.5°	1329.2	1184.7	997.8	800.4	652.3	595.9	532.4	444.3	373.7	310.3	257.4
105°	2094.4	1819.3	1456.2	1191.7	994.3	870.9	814.5	673.4	557.1	486.6	409.0
107.5°	2348.2	2171.9	1946.3	1671.3	1438.5	1325.7	1202.3	1015.4	867.4	736.9	620.5
110°	2454.0	2302.4	2133.1	1970.9	1812.3	1710.0	1625.4	1435.0	1251.7	1089.5	927.3
112.5°	2506.9	2355.3	2207.2	2076.7	1953.3	1896.9	1837.0	1685.4	1544.3	1389.2	1195.3
115°	2542.1	2422.3	2291.8	2154.3	2059.1	1999.2	1946.3	1808.8	1678.3	1537.3	1339.8
117.5°	2559.8	2439.9	2344.7	2231.9	2133.1	2083.8	2027.4	1904.0	1773.5	1643.0	1445.6
120°	2538.6	2457.5	2379.9	2284.7	2189.5	2140.2	2094.4	1970.9	1851.1	1727.7	1533.7
122.5°	2510.4	2464.6	2404.6	2309.4	2238.9	2196.6	2157.8	2034.4	1928.6	1787.6	1611.3
125°	2478.7	2432.8	2369.4	2309.4	2253.0	2221.3	2193.1	2083.8	1974.5	1854.6	1688.9
127.5°	2429.3	2387.0	2337.6	2288.3	2246.0	2214.2	2203.7	2108.5	2006.2	1900.4	1731.2
130°	2376.4	2341.2	2298.9	2249.5	2221.3	2186.0	2189.5	2104.9	2023.8	1925.1	1773.5
132.5°	2305.9	2281.2	2270.6	2217.8	2189.5	2171.9	2147.2	2090.8	2023.8	1946.3	1801.7
135°	2274.2	2249.5	2231.9	2186.0	2143.7	2136.7	2101.4	2069.7	2013.3	1956.8	1819.3
137.5°	2217.8	2203.7	2193.1	2143.7	2101.4	2101.4	2090.8	2048.5	1999.2	1921.6	1805.2
140°	2193.1	2175.4	2147.2	2108.5	2083.8	2062.6	2052.0	2016.8	1956.8	1896.9	1801.7
142.5°	2150.8	2136.7	2129.6	2094.4	2055.6	2034.4	2013.3	1974.5	1932.2	1889.9	1787.6
145°	2126.1	2122.6	2115.5	2080.2	2020.3	2009.7	2002.7	1960.4	1921.6	1854.6	1784.1
147.5°	2094.4	2097.9	2090.8	2048.5	2009.7	1985.1	1967.4	1928.6	1900.4	1844.0	1755.9
150°	2073.2	2076.7	2069.7	2016.8	1974.5	1963.9	1956.8	1918.1	1865.2	1819.3	1745.3
152.5°	2062.6	2052.0	2034.4	2013.3	1967.4	1942.7	1935.7	1893.4	1865.2	1808.8	1738.2
155°	2041.5	2027.4	2016.8	1981.5	1953.3	1928.6	1911.0	1886.3	1854.6	1798.2	1738.2
157.5°	2020.3	2006.2	1999.2	1992.1	1953.3	1918.1	1914.5	1886.3	1837.0	1794.7	1745.3
160°	1999.2	1963.9	1992.1	1949.8	1939.2	1911.0	1889.9	1872.2	1837.0	1798.2	1755.9
162.5°	1978.0	1967.4	1963.9	1939.2	1918.1	1900.4	1868.7	1879.3	1837.0	1801.7	1770.0
165°	1960.4	1949.8	1946.3	1939.2	1907.5	1893.4	1886.3	1865.2	1847.5	1812.3	1784.1
167.5°	1942.7	1925.1	1932.2	1925.1	1886.3	1896.9	1879.3	1865.2	1854.6	1826.4	1798.2
170°	1939.2	1904.0	1921.6	1918.1	1889.9	1886.3	1865.2	1861.6	1851.1	1829.9	1815.8
172.5°	1921.6	1896.9	1907.5	1896.9	1882.8	1872.2	1872.2	1875.7	1858.1	1844.0	1826.4
175°	1893.4	1879.3	1882.8	1893.4	1872.2	1865.2	1847.5	1861.6	1865.2	1840.5	1833.4
177.5°	1861.6	1875.7	1865.2	1879.3	1861.6	1858.1	1847.5	1858.1	1858.1	1837.0	1837.0
180°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5



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**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°	10.6	14.1	14.1	17.6	21.2	21.2	24.7	24.7	28.2	31.7	35.3
95°	21.2	17.6	21.2	24.7	24.7	28.2	31.7	31.7	35.3	38.8	38.8
97.5°	42.3	28.2	28.2	28.2	31.7	31.7	35.3	38.8	42.3	42.3	42.3
100°	81.1	45.8	45.8	35.3	35.3	38.8	38.8	42.3	45.8	45.8	45.8
102.5°	141.0	84.6	67.0	45.8	42.3	42.3	45.8	45.8	49.4	49.4	49.4
105°	264.4	169.2	95.2	56.4	52.9	49.4	49.4	49.4	52.9	52.9	52.9
107.5°	465.4	271.5	134.0	74.0	63.5	56.4	56.4	56.4	56.4	56.4	56.4
110°	708.7	398.4	183.3	95.2	77.6	67.0	63.5	63.5	59.9	59.9	59.9
112.5°	930.8	521.8	232.7	116.4	91.7	77.6	70.5	67.0	67.0	63.5	59.9
115°	1071.9	613.5	282.1	134.0	105.8	88.1	74.0	74.0	70.5	67.0	63.5
117.5°	1174.1	708.7	342.0	162.2	123.4	102.2	81.1	77.6	74.0	74.0	70.5
120°	1272.8	807.4	405.5	193.9	148.1	116.4	91.7	84.6	81.1	77.6	74.0
122.5°	1368.0	902.6	476.0	232.7	172.8	137.5	102.2	91.7	88.1	81.1	81.1
125°	1442.1	1001.3	557.1	282.1	208.0	162.2	116.4	98.7	91.7	88.1	84.6
127.5°	1523.2	1100.1	641.7	335.0	246.8	193.9	134.0	109.3	102.2	95.2	91.7
130°	1583.1	1195.3	733.4	405.5	303.2	232.7	158.7	123.4	109.3	102.2	98.7
132.5°	1628.9	1276.4	825.0	483.0	370.2	282.1	190.4	148.1	123.4	112.8	105.8
135°	1643.0	1346.9	920.2	567.7	440.7	345.5	232.7	176.3	141.0	123.4	116.4
137.5°	1657.1	1403.3	1011.9	662.9	532.4	423.1	282.1	211.6	169.2	144.6	126.9
140°	1650.1	1445.6	1100.1	768.6	627.6	507.7	349.1	257.4	204.5	172.8	148.1
142.5°	1646.6	1480.9	1191.7	867.4	726.3	606.4	430.2	317.3	250.3	204.5	176.3
145°	1653.6	1505.5	1258.7	973.1	842.7	719.3	528.9	387.8	306.7	250.3	218.6
147.5°	1628.9	1519.6	1339.8	1064.8	944.9	825.0	634.7	483.0	384.3	313.8	268.0
150°	1650.1	1526.7	1375.1	1156.5	1043.6	934.3	751.0	592.3	479.5	394.9	338.5
152.5°	1646.6	1533.7	1413.9	1237.6	1142.4	1040.1	856.8	701.6	581.8	493.6	426.6
155°	1664.2	1537.3	1452.6	1318.7	1234.0	1142.4	976.7	828.6	701.6	613.5	535.9
157.5°	1678.3	1583.1	1498.5	1392.7	1318.7	1241.1	1100.1	962.6	842.7	751.0	655.8
160°	1699.5	1607.8	1533.7	1452.6	1403.3	1322.2	1219.9	1110.6	994.3	895.6	818.0
162.5°	1710.0	1646.6	1583.1	1502.0	1470.3	1413.9	1329.2	1248.1	1149.4	1057.8	983.7
165°	1731.2	1667.7	1625.4	1558.4	1526.7	1477.3	1424.4	1350.4	1290.5	1212.9	1156.5
167.5°	1752.3	1710.0	1674.8	1621.9	1593.7	1558.4	1512.6	1463.2	1431.5	1371.6	1315.1
170°	1773.5	1738.2	1720.6	1695.9	1653.6	1625.4	1604.3	1569.0	1526.7	1498.5	1466.8
172.5°	1791.1	1777.0	1766.4	1759.4	1717.1	1695.9	1681.8	1643.0	1643.0	1604.3	1579.6
175°	1819.3	1773.5	1805.2	1787.6	1773.5	1755.9	1748.8	1738.2	1727.7	1713.6	1699.5
177.5°	1833.4	1826.4	1833.4	1826.4	1822.9	1805.2	1815.8	1805.2	1801.7	1798.2	1787.6
180°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5





TEST NUMBER: P508432

CATALOG NUMBER: ASYX-X-S2-X-U-HSS-L30-1-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°	38.8	38.8	42.3	42.3	42.3	42.3	45.8	42.3	38.8
95°	42.3	45.8	45.8	45.8	49.4	49.4	49.4	49.4	49.4
97.5°	45.8	45.8	49.4	49.4	49.4	52.9	52.9	52.9	52.9
100°	49.4	49.4	49.4	52.9	52.9	52.9	52.9	52.9	52.9
102.5°	49.4	49.4	49.4	52.9	52.9	52.9	52.9	52.9	52.9
105°	52.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
107.5°	52.9	52.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4
110°	56.4	52.9	49.4	49.4	49.4	49.4	49.4	49.4	45.8
112.5°	59.9	56.4	52.9	49.4	49.4	49.4	49.4	45.8	45.8
115°	63.5	59.9	56.4	56.4	52.9	52.9	52.9	49.4	49.4
117.5°	67.0	63.5	59.9	59.9	56.4	56.4	52.9	52.9	52.9
120°	70.5	70.5	67.0	63.5	63.5	59.9	59.9	56.4	56.4
122.5°	77.6	70.5	70.5	70.5	70.5	67.0	63.5	63.5	63.5
125°	81.1	77.6	77.6	77.6	74.0	74.0	70.5	67.0	67.0
127.5°	88.1	84.6	84.6	81.1	81.1	77.6	77.6	74.0	74.0
130°	95.2	91.7	88.1	88.1	88.1	84.6	84.6	81.1	81.1
132.5°	102.2	98.7	98.7	95.2	95.2	91.7	91.7	88.1	88.1
135°	112.8	105.8	105.8	105.8	102.2	98.7	98.7	98.7	95.2
137.5°	119.9	116.4	112.8	109.3	109.3	109.3	105.8	105.8	105.8
140°	137.5	126.9	123.4	119.9	119.9	116.4	116.4	116.4	116.4
142.5°	158.7	148.1	137.5	134.0	130.5	126.9	126.9	123.4	123.4
145°	193.9	176.3	162.2	158.7	151.6	144.6	144.6	141.0	141.0
147.5°	236.2	215.1	197.4	190.4	186.9	179.8	172.8	169.2	165.7
150°	296.2	264.4	246.8	239.8	232.7	218.6	211.6	208.0	208.0
152.5°	373.7	338.5	310.3	296.2	289.1	275.0	264.4	260.9	264.4
155°	468.9	426.6	398.4	380.8	366.7	349.1	342.0	338.5	331.4
157.5°	602.9	546.5	504.2	490.1	472.5	454.8	444.3	433.7	426.6
160°	747.5	684.0	645.2	627.6	606.4	578.2	564.1	550.0	543.0
162.5°	906.1	853.3	807.4	779.2	768.6	733.4	719.3	701.6	705.2
165°	1082.4	1026.0	990.8	969.6	941.4	923.8	913.2	888.5	877.9
167.5°	1269.3	1205.8	1188.2	1160.0	1135.3	1110.6	1110.6	1100.1	1089.5
170°	1410.3	1396.2	1375.1	1343.3	1339.8	1322.2	1322.2	1311.6	1315.1
172.5°	1544.3	1523.2	1523.2	1512.6	1502.0	1495.0	1477.3	1484.4	1484.4
175°	1678.3	1667.7	1660.7	1632.5	1639.5	1639.5	1628.9	1628.9	1636.0
177.5°	1787.6	1787.6	1780.6	1777.0	1773.5	1777.0	1780.6	1784.1	1777.0
180°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5

(END OF REPORT)