

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: P508440

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

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508440  
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-L30-1-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: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

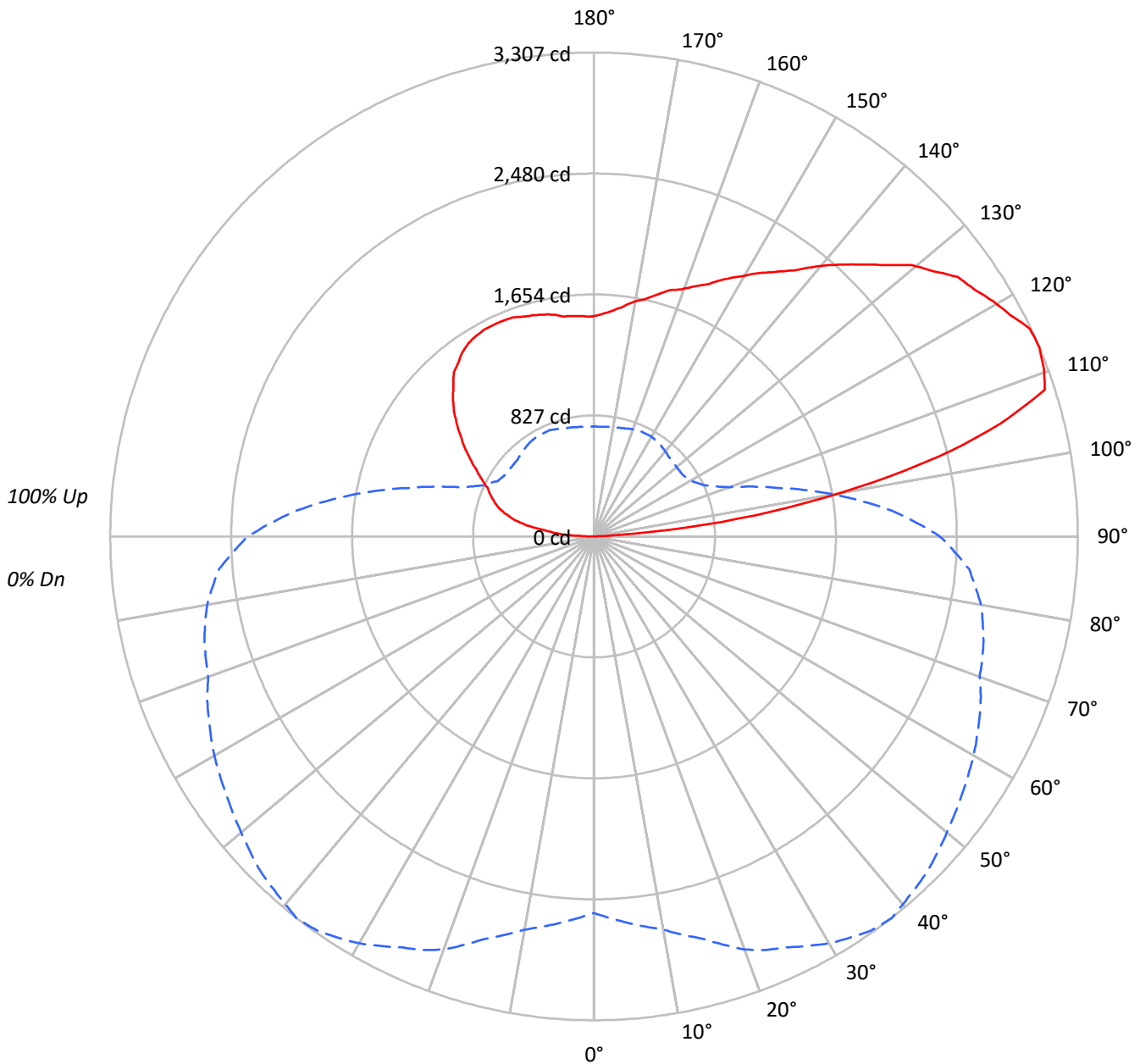
Lumens per Lamp: N/A  
Luminaire Lumens: 9942.9 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
CIE Type: Indirect

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: P508440  
CATALOG NUMBER: ASYX-X-S2-X-U-W-L30-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot



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



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

RF	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				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°	46165	51377	65308
100°	125883	97481	59445
105°	126105	104113	54548
110°	140483	128052	45936
115°	148172	128418	38255
120°	138902	113094	35521
125°	121350	96737	35333
130°	104386	80299	36606
135°	88558	68915	37249
140°	74314	58659	38444
145°	62824	51613	38546
150°	53465	45752	38652
155°	46815	40953	37604
160°	42165	37317	36591
165°	38662	35125	35047
170°	35916	33450	33605
175°	33601	32612	32458



TEST NUMBER: P508440

CATALOG NUMBER: ASYX-X-S2-X-U-W-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°	407.0	4.1
100°-110°	1473.0	14.8
110°-120°	1985.7	20.0
120°-130°	1889.9	19.0
130°-140°	1574.6	15.8
140°-150°	1192.9	12.0
150°-160°	811.8	8.2
160°-170°	461.2	4.6
170°-180°	146.7	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°	3865.7	38.9
90°-150°	8523.1	85.7
90°-180°	9943.0	100.0
0°-180°	9942.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	187	610	208	208	264	332
105°	1516	3096	1252	554	656	1645
115°	2909	3166	2521	800	751	2805
125°	3233	2895	2577	1075	941	2886
135°	2909	2493	2264	1364	1224	2254
145°	2390	2126	1964	1551	1467	1512
155°	1971	1869	1724	1608	1583	921
165°	1735	1682	1576	1566	1572	495
175°	1555	1534	1509	1506	1502	151
180°	1502	1502	1502	1502	1502	



TEST NUMBER: P508440

CATALOG NUMBER: ASYX-X-S2-X-U-W-L30-1-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°	28.2	28.2	28.2	31.7	35.3	38.8	38.8	49.4	63.5	67.0	77.6
95°	186.9	215.1	320.9	370.2	373.7	384.3	384.3	486.6	606.4	634.7	662.9
97.5°	500.7	535.9	648.8	736.9	863.8	899.1	941.4	1026.0	1156.5	1234.0	1272.8
100°	1015.4	1022.5	1082.4	1163.5	1301.0	1378.6	1473.8	1706.5	1822.9	1822.9	1780.5
102.5°	1286.9	1294.0	1346.9	1424.4	1586.6	1703.0	1812.3	2094.3	2330.6	2418.7	2454.0
105°	1516.1	1540.8	1597.2	1706.5	1904.0	2034.4	2136.7	2457.5	2732.5	2884.1	3000.5
107.5°	1808.8	1847.5	1942.7	2069.7	2305.9	2457.5	2588.0	2848.9	3088.6	3240.2	3236.7
110°	2231.9	2253.0	2351.7	2517.4	2721.9	2841.8	2922.9	3106.3	3268.4	3282.6	3289.6
112.5°	2573.9	2651.4	2729.0	2845.3	3004.0	3060.4	3099.2	3212.0	3293.1	3307.2	3282.6
115°	2908.8	2937.0	2975.8	3053.4	3127.4	3183.8	3190.9	3250.8	3268.4	3300.2	3243.8
117.5°	3116.8	3130.9	3134.5	3162.7	3201.5	3233.2	3226.1	3243.8	3264.9	3222.6	3194.4
120°	3226.1	3240.2	3215.6	3226.1	3236.7	3243.8	3229.7	3236.7	3197.9	3166.2	3134.5
122.5°	3268.4	3264.9	3240.2	3240.2	3226.1	3222.6	3194.4	3169.7	3141.5	3099.2	3060.4
125°	3233.2	3247.3	3215.6	3190.9	3159.1	3212.0	3141.5	3116.8	3067.5	3053.4	2979.3
127.5°	3187.4	3215.6	3162.7	3138.0	3106.3	3095.7	3053.4	3018.1	2982.9	2944.1	2894.7
130°	3116.8	3127.4	3078.1	3053.4	3021.6	2989.9	2982.9	2905.3	2880.6	2855.9	2788.9
132.5°	3046.3	3028.7	2979.3	2947.6	2908.8	2891.2	2873.6	2806.6	2771.3	2718.4	2683.2
135°	2908.8	2912.3	2866.5	2831.2	2778.4	2778.4	2746.6	2697.3	2651.4	2605.6	2559.8
137.5°	2778.4	2803.0	2736.0	2704.3	2676.1	2655.0	2612.6	2566.8	2517.4	2499.8	2464.6
140°	2644.4	2647.9	2595.0	2566.8	2545.7	2506.9	2482.2	2439.9	2422.2	2390.5	2341.2
142.5°	2528.0	2513.9	2471.6	2439.9	2418.7	2390.5	2376.4	2334.1	2305.9	2277.7	2260.1
145°	2390.5	2387.0	2337.6	2316.5	2298.8	2288.3	2263.6	2231.9	2217.8	2193.1	2193.1
147.5°	2274.2	2256.5	2228.3	2203.6	2182.5	2171.9	2171.9	2115.5	2126.1	2122.6	2090.8
150°	2150.8	2147.2	2108.4	2097.9	2080.2	2087.3	2080.2	2055.6	2055.6	2041.5	2020.3
152.5°	2052.0	2052.0	2020.3	2013.3	2006.2	2002.7	1988.6	1978.0	1978.0	1974.5	1949.8
155°	1970.9	1970.9	1946.3	1942.7	1932.2	1928.6	1921.6	1911.0	1904.0	1896.9	1875.7
157.5°	1904.0	1900.4	1872.2	1875.7	1865.2	1865.2	1861.6	1840.5	1847.5	1844.0	1829.9
160°	1840.5	1837.0	1808.8	1819.3	1812.3	1812.3	1812.3	1798.2	1791.1	1791.1	1759.4
162.5°	1784.1	1791.1	1762.9	1759.4	1762.9	1762.9	1748.8	1738.2	1748.8	1759.4	1727.7
165°	1734.7	1727.7	1717.1	1713.6	1706.5	1699.5	1706.5	1699.5	1692.4	1706.5	1695.9
167.5°	1685.3	1692.4	1671.2	1664.2	1664.2	1678.3	1667.7	1653.6	1660.7	1657.1	1636.0
170°	1643.0	1650.1	1621.9	1621.9	1621.9	1621.9	1611.3	1600.7	1618.4	1625.4	1600.7
172.5°	1600.7	1611.3	1586.6	1583.1	1579.6	1586.6	1579.6	1569.0	1590.2	1579.6	1569.0
175°	1554.9	1572.5	1547.8	1544.3	1551.4	1551.4	1544.3	1537.3	1551.4	1544.3	1537.3
177.5°	1533.7	1533.7	1509.1	1512.6	1512.6	1509.1	1519.6	1516.1	1519.6	1519.6	1533.7
180°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0



TEST NUMBER: P508440

CATALOG NUMBER: ASYX-X-S2-X-U-W-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°	81.1	95.2	102.2	56.4	56.4	63.5	59.9	52.9	45.8	42.3	42.3
95°	610.0	578.2	595.9	535.9	465.4	409.0	405.5	409.0	282.1	211.6	208.0
97.5°	1311.6	1297.5	1188.2	1019.0	969.6	973.1	913.2	758.1	634.7	543.0	468.9
100°	1706.5	1660.7	1611.3	1646.6	1547.8	1470.3	1361.0	1223.5	1078.9	955.5	786.3
102.5°	2432.8	2362.3	2182.5	1985.0	1787.6	1717.1	1636.0	1480.9	1329.2	1184.7	1011.9
105°	3095.7	2975.8	2672.6	2390.5	2122.6	2041.5	1935.7	1762.9	1586.6	1442.1	1251.7
107.5°	3254.3	3166.2	2997.0	2806.6	2573.9	2439.9	2341.2	2154.3	1988.6	1791.1	1572.5
110°	3268.4	3180.3	3074.5	2944.1	2831.2	2753.7	2690.2	2549.2	2429.3	2256.5	2034.4
112.5°	3229.7	3148.6	3071.0	2997.0	2908.8	2863.0	2806.6	2757.2	2686.7	2573.9	2365.8
115°	3166.2	3095.7	3025.2	2961.7	2919.4	2898.2	2870.0	2831.2	2792.5	2707.8	2521.0
117.5°	3106.3	3025.2	2961.7	2940.5	2901.8	2870.0	2866.5	2859.5	2834.8	2792.5	2612.6
120°	3046.3	2982.9	2919.4	2873.6	2859.5	2855.9	2855.9	2834.8	2841.8	2806.6	2626.7
122.5°	2951.1	2901.8	2848.9	2827.7	2767.8	2781.9	2788.9	2774.8	2803.0	2778.4	2609.1
125°	2894.7	2845.3	2778.4	2746.6	2736.0	2721.9	2736.0	2711.4	2725.5	2707.8	2577.4
127.5°	2799.5	2736.0	2700.8	2676.1	2669.1	2619.7	2644.4	2647.9	2651.4	2623.2	2506.9
130°	2697.3	2662.0	2580.9	2591.5	2591.5	2573.9	2577.4	2563.3	2556.2	2531.5	2397.6
132.5°	2623.2	2577.4	2524.5	2510.4	2496.3	2492.8	2492.8	2468.1	2468.1	2436.4	2348.2
135°	2492.8	2461.0	2439.9	2425.8	2422.2	2408.1	2408.1	2383.5	2379.9	2351.7	2263.6
137.5°	2401.1	2369.4	2351.7	2341.2	2330.6	2305.9	2320.0	2298.8	2277.7	2270.6	2186.0
140°	2309.4	2284.7	2270.6	2253.0	2249.5	2235.4	2235.4	2210.7	2203.6	2171.9	2087.3
142.5°	2231.9	2217.8	2189.5	2182.5	2157.8	2161.3	2143.7	2147.2	2119.0	2083.8	2016.8
145°	2126.1	2129.6	2115.5	2101.4	2097.9	2076.7	2080.2	2059.1	2041.5	2016.8	1963.9
147.5°	2069.7	2069.7	2048.5	2030.9	2016.8	2013.3	1995.6	1999.1	1970.9	1935.7	1900.4
150°	1995.6	1988.6	1967.4	1956.8	1946.3	1946.3	1928.6	1918.1	1896.9	1886.3	1840.5
152.5°	1942.7	1925.1	1914.5	1893.4	1893.4	1875.7	1861.6	1854.6	1837.0	1815.8	1780.5
155°	1868.7	1861.6	1847.5	1844.0	1829.9	1815.8	1791.1	1787.6	1777.0	1755.9	1724.1
157.5°	1808.8	1819.3	1798.2	1787.6	1766.4	1762.9	1738.2	1741.8	1720.6	1706.5	1678.3
160°	1780.5	1762.9	1741.8	1738.2	1731.2	1703.0	1699.5	1688.9	1674.8	1664.2	1628.9
162.5°	1717.1	1713.6	1703.0	1695.9	1671.2	1671.2	1628.9	1646.6	1636.0	1625.4	1607.8
165°	1681.8	1685.3	1660.7	1653.6	1646.6	1632.5	1621.9	1611.3	1600.7	1593.7	1576.0
167.5°	1636.0	1628.9	1621.9	1607.8	1611.3	1600.7	1590.2	1583.1	1576.0	1569.0	1554.9
170°	1597.2	1593.7	1586.6	1576.0	1579.6	1569.0	1569.0	1554.9	1551.4	1547.8	1530.2
172.5°	1565.5	1565.5	1558.4	1558.4	1554.9	1544.3	1537.3	1530.2	1530.2	1523.2	1519.6
175°	1533.7	1537.3	1533.7	1530.2	1530.2	1523.2	1523.2	1526.7	1519.6	1519.6	1509.1
177.5°	1509.1	1509.1	1509.1	1509.1	1509.1	1509.1	1509.1	1505.5	1509.1	1505.5	1495.0
180°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0



TEST NUMBER: P508440

CATALOG NUMBER: ASYX-X-S2-X-U-W-L30-1-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°	45.8	49.4	52.9	56.4	67.0	63.5	74.0	77.6	84.6	98.7	102.2
95°	186.9	186.9	183.3	183.3	176.3	176.3	172.8	169.2	186.9	208.0	236.2
97.5°	384.3	327.9	299.7	289.1	285.6	282.1	275.0	264.4	271.5	289.1	324.4
100°	648.8	535.9	444.3	391.4	380.8	363.2	356.1	352.6	352.6	387.8	444.3
102.5°	839.1	673.4	553.6	476.0	454.8	437.2	426.6	426.6	433.7	476.0	539.5
105°	1061.3	849.7	666.4	564.1	546.5	521.8	504.2	507.7	514.8	553.6	610.0
107.5°	1329.2	1075.4	856.8	698.1	659.3	624.1	595.9	595.9	599.4	624.1	666.4
110°	1731.2	1403.3	1075.4	839.1	775.7	736.9	669.9	669.9	666.4	684.0	712.2
112.5°	2037.9	1657.1	1283.4	980.2	892.0	828.6	758.1	736.9	736.9	740.4	758.1
115°	2221.3	1826.4	1428.0	1110.6	994.3	916.7	828.6	803.9	793.3	800.4	793.3
117.5°	2327.1	1928.6	1551.4	1205.8	1096.5	1008.4	899.1	867.4	849.7	863.8	860.3
120°	2379.9	2020.3	1650.1	1304.6	1191.7	1089.5	973.1	941.4	927.3	927.3	930.8
122.5°	2387.0	2069.7	1706.5	1392.7	1279.9	1181.2	1061.3	1015.4	1001.3	1004.9	1004.9
125°	2362.3	2062.6	1759.4	1463.2	1353.9	1255.2	1131.8	1093.0	1061.3	1075.4	1078.9
127.5°	2323.5	2045.0	1791.1	1519.6	1420.9	1332.8	1219.9	1174.1	1145.9	1152.9	1149.4
130°	2267.1	2023.8	1819.3	1569.0	1484.4	1396.2	1297.5	1255.2	1216.4	1219.9	1223.5
132.5°	2210.7	2016.8	1833.4	1607.8	1537.3	1463.2	1364.5	1322.2	1286.9	1290.5	1290.5
135°	2150.8	1999.1	1815.8	1632.5	1597.2	1519.6	1438.5	1392.7	1364.5	1364.5	1357.4
137.5°	2087.3	1956.8	1829.9	1681.8	1632.5	1569.0	1487.9	1452.6	1424.4	1420.9	1417.4
140°	2030.9	1911.0	1812.3	1692.4	1657.1	1607.8	1540.8	1512.6	1473.8	1466.7	1487.9
142.5°	1974.5	1889.8	1829.9	1717.1	1681.8	1639.5	1590.2	1551.4	1523.2	1516.1	1512.6
145°	1918.1	1868.7	1801.7	1710.0	1695.9	1653.6	1600.7	1590.2	1558.4	1551.4	1551.4
147.5°	1861.6	1819.3	1770.0	1706.5	1706.5	1671.2	1646.6	1614.8	1590.2	1576.0	1576.0
150°	1812.3	1777.0	1752.3	1703.0	1699.5	1671.2	1650.1	1636.0	1607.8	1600.7	1597.2
152.5°	1766.4	1734.7	1713.6	1681.8	1678.3	1639.5	1646.6	1632.5	1604.3	1597.2	1597.2
155°	1710.0	1706.5	1681.8	1650.1	1664.2	1643.0	1625.4	1643.0	1600.7	1607.8	1607.8
157.5°	1671.2	1667.7	1664.2	1632.5	1636.0	1625.4	1614.8	1628.9	1593.7	1597.2	1597.2
160°	1628.9	1621.9	1621.9	1593.7	1614.8	1593.7	1597.2	1604.3	1583.1	1586.6	1597.2
162.5°	1607.8	1593.7	1593.7	1583.1	1590.2	1583.1	1565.5	1590.2	1586.6	1579.6	1583.1
165°	1572.5	1569.0	1576.0	1554.9	1572.5	1551.4	1558.4	1569.0	1561.9	1565.5	1569.0
167.5°	1551.4	1547.8	1551.4	1540.8	1551.4	1544.3	1540.8	1554.9	1547.8	1551.4	1554.9
170°	1533.7	1533.7	1537.3	1526.7	1537.3	1526.7	1537.3	1537.3	1533.7	1533.7	1540.8
172.5°	1526.7	1516.1	1526.7	1509.1	1526.7	1505.5	1512.6	1523.2	1519.6	1516.1	1516.1
175°	1512.6	1509.1	1519.6	1502.0	1512.6	1502.0	1502.0	1512.6	1509.1	1505.5	1519.6
177.5°	1512.6	1502.0	1512.6	1495.0	1505.5	1498.5	1498.5	1509.1	1502.0	1502.0	1512.6
180°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0





TEST NUMBER: P508440

CATALOG NUMBER: ASYX-X-S2-X-U-W-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°	102.2	119.9	123.4	134.0	130.5	109.3	95.2	77.6	67.0
95°	268.0	296.2	324.4	320.9	331.4	310.3	289.1	278.5	264.4
97.5°	359.6	405.5	433.7	433.7	437.2	423.1	416.0	423.1	405.5
100°	507.7	539.5	550.0	546.5	535.9	511.2	497.1	490.1	479.5
102.5°	595.9	631.1	641.7	634.7	627.6	617.0	602.9	595.9	592.3
105°	655.8	687.5	701.6	698.1	694.6	677.0	648.8	659.3	655.8
107.5°	712.2	733.4	747.5	736.9	733.4	722.8	705.2	715.7	701.6
110°	747.5	765.1	768.6	768.6	761.6	751.0	736.9	740.4	729.8
112.5°	775.7	786.3	786.3	786.3	779.2	765.1	758.1	751.0	751.0
115°	807.4	800.4	803.9	803.9	796.8	775.7	765.1	758.1	751.0
117.5°	863.8	853.3	842.7	842.7	825.0	810.9	800.4	789.8	779.2
120°	916.7	909.7	902.6	892.0	881.5	863.8	846.2	832.1	825.0
122.5°	987.2	969.6	959.0	966.1	944.9	927.3	906.1	892.0	874.4
125°	1064.8	1050.7	1033.1	1026.0	1008.4	994.3	976.7	962.6	941.4
127.5°	1131.8	1110.6	1103.6	1100.1	1078.9	1061.3	1033.1	1022.5	1022.5
130°	1209.4	1184.7	1188.2	1170.6	1152.9	1124.7	1096.5	1096.5	1093.0
132.5°	1283.4	1255.2	1251.7	1244.6	1223.5	1202.3	1184.7	1181.2	1167.1
135°	1343.3	1322.2	1318.7	1311.6	1294.0	1272.8	1244.6	1251.7	1223.5
137.5°	1396.2	1385.7	1382.1	1368.0	1350.4	1346.9	1315.1	1311.6	1294.0
140°	1456.2	1435.0	1449.1	1431.5	1410.3	1403.3	1361.0	1368.0	1368.0
142.5°	1498.5	1487.9	1484.4	1477.3	1463.2	1449.1	1438.5	1424.4	1431.5
145°	1540.8	1533.7	1526.7	1526.7	1505.5	1498.5	1477.3	1477.3	1466.7
147.5°	1576.0	1561.9	1561.9	1554.9	1544.3	1537.3	1516.1	1526.7	1509.1
150°	1576.0	1583.1	1576.0	1576.0	1579.6	1576.0	1558.4	1551.4	1554.9
152.5°	1604.3	1593.7	1586.6	1600.7	1583.1	1593.7	1569.0	1576.0	1569.0
155°	1590.2	1597.2	1600.7	1593.7	1593.7	1593.7	1583.1	1600.7	1583.1
157.5°	1604.3	1597.2	1600.7	1597.2	1590.2	1600.7	1590.2	1604.3	1593.7
160°	1597.2	1590.2	1597.2	1593.7	1586.6	1600.7	1600.7	1611.3	1597.2
162.5°	1572.5	1579.6	1597.2	1586.6	1586.6	1611.3	1572.5	1607.8	1586.6
165°	1565.5	1569.0	1576.0	1583.1	1569.0	1579.6	1579.6	1583.1	1572.5
167.5°	1558.4	1544.3	1558.4	1558.4	1561.9	1561.9	1561.9	1569.0	1554.9
170°	1544.3	1516.1	1544.3	1544.3	1537.3	1537.3	1533.7	1554.9	1537.3
172.5°	1519.6	1512.6	1523.2	1523.2	1530.2	1526.7	1526.7	1530.2	1519.6
175°	1505.5	1509.1	1523.2	1512.6	1509.1	1512.6	1502.0	1512.6	1502.0
177.5°	1498.5	1498.5	1502.0	1505.5	1512.6	1505.5	1495.0	1505.5	1495.0
180°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0

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