

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: P508429

Luminaire Tested: **ASYX-X-S2-X-U-F-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508429
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-L35-1-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

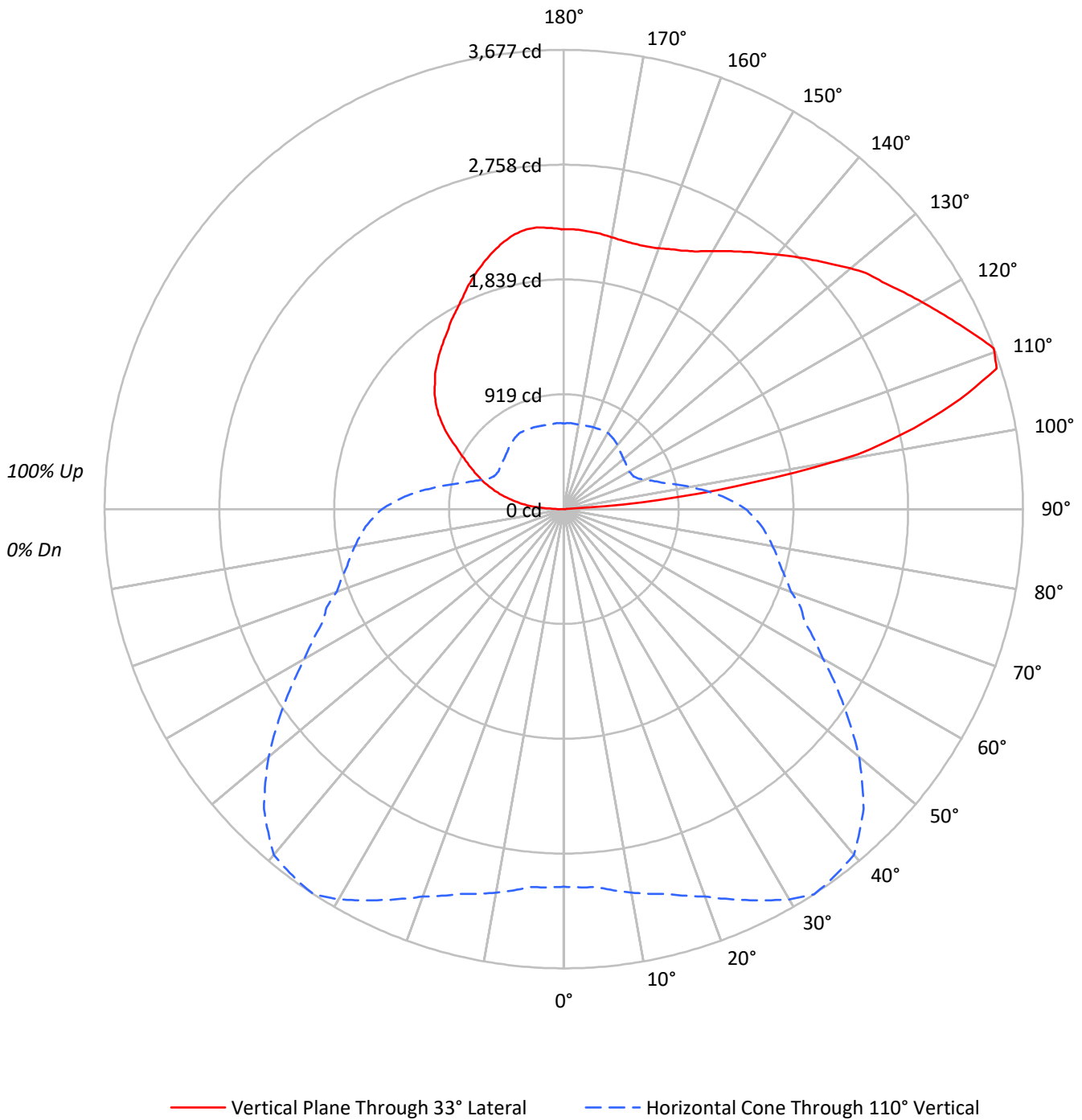
Lumens per Lamp: N/A
Luminaire Lumens: 10641.1 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508429
CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	77584	29764	64937
100°	196932	63375	53420
105°	191357	70168	45564
110°	190321	91714	43210
115°	165929	103982	39620
120°	137890	102197	38208
125°	117462	95258	38925
130°	100410	87325	41094
135°	86384	80271	41582
140°	75326	74095	41460
145°	66219	68332	41747
150°	58096	63816	41757
155°	53345	59851	42331
160°	49358	55801	43755
165°	47692	52821	45903
170°	47497	50451	47816
175°	48612	48847	48216



TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-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°	386.3	3.6
100°-110°	1424.6	13.4
110°-120°	1933.0	18.2
120°-130°	1924.4	18.1
130°-140°	1713.2	16.1
140°-150°	1392.2	13.1
150°-160°	1022.2	9.6
160°-170°	630.8	5.9
170°-180°	214.3	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°	3743.9	35.2
90°-150°	8773.7	82.5
90°-180°	10641.0	100.0
0°-180°	10641.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	314	464	120	183	263	520
105°	2301	3089	844	497	548	2448
115°	3257	3352	2041	792	778	3185
125°	3130	3130	2538	1125	1037	2797
135°	2837	2848	2637	1420	1366	2210
145°	2520	2527	2600	1684	1588	1585
155°	2246	2322	2520	1976	1782	1036
165°	2140	2217	2370	2195	2060	611
175°	2250	2228	2260	2260	2231	211
180°	2242	2242	2242	2242	2242	



TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-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°	18.3	18.3	18.3	21.9	25.6	25.6	32.9	36.5	32.9	47.5	54.8
95°	314.1	361.5	518.5	617.1	609.8	577.0	613.5	719.4	774.2	704.8	598.9
97.5°	788.8	818.0	1143.0	1296.4	1431.5	1497.2	1555.6	1508.2	1533.7	1519.1	1384.0
100°	1588.5	1683.5	1796.7	1953.7	2147.2	2286.0	2391.9	2475.9	2395.6	2267.7	1895.3
102.5°	2034.0	2066.9	2143.6	2223.9	2432.1	2534.3	2640.2	2822.8	2877.6	2852.0	2651.2
105°	2300.6	2318.9	2391.9	2512.4	2673.1	2786.3	2917.8	3155.1	3293.9	3308.5	3323.1
107.5°	2636.6	2676.7	2764.4	2841.1	3031.0	3162.4	3279.3	3523.9	3644.5	3651.8	3600.6
110°	3023.7	3038.3	3118.6	3191.6	3301.2	3377.9	3454.6	3607.9	3677.3	3666.4	3615.2
112.5°	3231.8	3250.1	3279.3	3304.8	3356.0	3388.8	3436.3	3534.9	3575.1	3586.0	3534.9
115°	3257.4	3257.4	3279.3	3282.9	3341.4	3341.4	3363.3	3458.2	3476.5	3491.1	3461.9
117.5°	3235.5	3242.8	3257.4	3250.1	3275.6	3312.1	3304.8	3363.3	3385.2	3374.2	3385.2
120°	3202.6	3195.3	3224.5	3209.9	3228.2	3250.1	3235.5	3279.3	3297.5	3290.2	3326.8
122.5°	3169.7	3169.7	3180.7	3177.0	3169.7	3162.4	3166.1	3195.3	3213.5	3209.9	3231.8
125°	3129.6	3125.9	3122.3	3107.6	3125.9	3115.0	3096.7	3118.6	3133.2	3125.9	3147.8
127.5°	3063.8	3067.5	3060.2	3052.9	3031.0	3027.3	3045.6	3034.6	3071.1	3049.2	3071.1
130°	2998.1	2998.1	2990.8	2976.2	2968.9	2954.3	2950.6	2957.9	2979.8	2987.1	2954.3
132.5°	2947.0	2921.4	2903.1	2892.2	2892.2	2877.6	2870.3	2877.6	2888.5	2906.8	2910.5
135°	2837.4	2822.8	2822.8	2808.2	2830.1	2797.2	2789.9	2800.9	2804.6	2804.6	2826.5
137.5°	2775.3	2738.8	2724.2	2720.6	2716.9	2706.0	2706.0	2720.6	2724.2	2720.6	2738.8
140°	2680.4	2640.2	2654.8	2636.6	2640.2	2622.0	2629.3	2629.3	2643.9	2643.9	2662.1
142.5°	2625.6	2567.2	2559.9	2548.9	2552.6	2545.3	2581.8	2556.2	2570.8	2596.4	2585.4
145°	2519.7	2472.2	2483.2	2472.2	2475.9	2468.6	2486.8	2483.2	2501.5	2497.8	2516.1
147.5°	2406.5	2402.9	2406.5	2399.2	2406.5	2399.2	2421.1	2417.5	2435.7	2446.7	2450.3
150°	2337.1	2322.5	2326.2	2333.5	2326.2	2340.8	2340.8	2355.4	2373.6	2377.3	2391.9
152.5°	2264.1	2260.4	2278.7	2267.7	2275.0	2275.0	2286.0	2289.7	2315.2	2318.9	2355.4
155°	2245.8	2213.0	2213.0	2209.3	2227.6	2227.6	2242.2	2264.1	2275.0	2293.3	2297.0
157.5°	2180.1	2176.4	2176.4	2191.1	2172.8	2194.7	2227.6	2216.6	2245.8	2249.5	2264.1
160°	2154.5	2143.6	2150.9	2158.2	2158.2	2176.4	2202.0	2198.4	2216.6	2238.5	2242.2
162.5°	2169.1	2132.6	2136.3	2154.5	2147.2	2172.8	2176.4	2183.8	2202.0	2209.3	2231.2
165°	2139.9	2129.0	2121.7	2129.0	2150.9	2161.8	2172.8	2180.1	2198.4	2202.0	2213.0
167.5°	2150.9	2147.2	2147.2	2154.5	2169.1	2169.1	2187.4	2183.8	2202.0	2202.0	2209.3
170°	2172.8	2161.8	2169.1	2183.8	2158.2	2198.4	2194.7	2183.8	2213.0	2213.0	2223.9
172.5°	2202.0	2191.1	2194.7	2194.7	2194.7	2216.6	2220.3	2223.9	2227.6	2223.9	2223.9
175°	2249.5	2220.3	2216.6	2216.6	2223.9	2223.9	2231.2	2213.0	2234.9	2234.9	2231.2
177.5°	2238.5	2227.6	2245.8	2227.6	2220.3	2234.9	2245.8	2231.2	2242.2	2231.2	2242.2
180°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2



TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-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°	47.5	47.5	47.5	43.8	40.2	40.2	40.2	40.2	36.5	32.9	32.9
95°	463.8	368.8	336.0	277.5	233.7	215.5	186.2	186.2	138.8	113.2	120.5
97.5°	1164.9	905.6	719.4	544.1	518.5	485.7	482.0	409.0	361.5	328.7	284.8
100°	1511.8	1241.6	1077.3	986.0	865.5	810.7	770.5	693.8	646.4	580.6	511.2
102.5°	2245.8	1866.0	1544.7	1274.5	1091.9	1015.2	964.1	883.7	825.3	759.6	671.9
105°	3089.4	2556.2	2019.4	1614.1	1369.4	1270.8	1183.2	1102.8	1026.1	923.9	843.6
107.5°	3315.8	2928.7	2523.4	2070.5	1730.9	1632.3	1530.1	1395.0	1292.7	1205.1	1066.3
110°	3396.1	3085.7	2735.2	2399.2	2125.3	2055.9	1935.4	1800.3	1698.1	1592.2	1457.1
112.5°	3363.3	3169.7	2888.5	2589.1	2366.3	2297.0	2209.3	2125.3	2070.5	1990.2	1811.3
115°	3352.3	3195.3	2998.1	2731.5	2530.7	2454.0	2384.6	2307.9	2293.3	2238.5	2041.3
117.5°	3304.8	3198.9	3049.2	2833.8	2654.8	2603.7	2534.3	2472.2	2464.9	2410.2	2238.5
120°	3272.0	3184.3	3056.5	2914.1	2760.7	2706.0	2647.5	2600.1	2578.1	2538.0	2373.6
122.5°	3195.3	3162.4	3063.8	2943.3	2804.6	2779.0	2724.2	2643.9	2680.4	2636.6	2479.5
125°	3129.6	3111.3	3085.7	2939.7	2841.1	2808.2	2768.0	2720.6	2731.5	2702.3	2538.0
127.5°	3060.2	3056.5	3038.3	2950.6	2859.3	2844.7	2797.2	2760.7	2753.4	2724.2	2578.1
130°	3005.4	3001.7	2976.2	2917.8	2859.3	2855.7	2808.2	2779.0	2775.3	2749.8	2607.4
132.5°	2925.1	2925.1	2939.7	2881.2	2844.7	2833.8	2811.9	2775.3	2786.3	2731.5	2622.0
135°	2848.4	2852.0	2863.0	2833.8	2855.7	2815.5	2793.6	2746.1	2768.0	2746.1	2636.6
137.5°	2760.7	2771.7	2793.6	2782.6	2793.6	2797.2	2768.0	2757.1	2757.1	2735.2	2632.9
140°	2654.8	2698.7	2738.8	2735.2	2757.1	2753.4	2742.5	2691.3	2738.8	2724.2	2636.6
142.5°	2607.4	2632.9	2680.4	2669.4	2716.9	2716.9	2709.6	2706.0	2716.9	2691.3	2622.0
145°	2527.0	2567.2	2603.7	2625.6	2654.8	2684.0	2673.1	2680.4	2684.0	2684.0	2600.1
147.5°	2475.9	2519.7	2567.2	2574.5	2625.6	2632.9	2636.6	2647.5	2669.4	2640.2	2607.4
150°	2421.1	2450.3	2505.1	2527.0	2581.8	2592.7	2589.1	2603.7	2640.2	2618.3	2567.2
152.5°	2337.1	2399.2	2446.7	2479.5	2519.7	2545.3	2548.9	2548.9	2581.8	2581.8	2552.6
155°	2322.5	2355.4	2399.2	2432.1	2475.9	2501.5	2505.1	2505.1	2538.0	2527.0	2519.7
157.5°	2289.7	2333.5	2370.0	2380.9	2435.7	2457.6	2457.6	2464.9	2494.2	2501.5	2475.9
160°	2267.7	2289.7	2333.5	2366.3	2395.6	2421.1	2424.8	2432.1	2450.3	2446.7	2435.7
162.5°	2234.9	2267.7	2307.9	2326.2	2359.0	2384.6	2380.9	2380.9	2413.8	2421.1	2406.5
165°	2216.6	2253.1	2300.6	2311.6	2333.5	2348.1	2344.4	2355.4	2384.6	2377.3	2370.0
167.5°	2223.9	2242.2	2282.4	2278.7	2304.3	2315.2	2315.2	2307.9	2326.2	2300.6	2322.5
170°	2234.9	2234.9	2256.8	2264.1	2286.0	2297.0	2286.0	2286.0	2297.0	2304.3	2307.9
172.5°	2238.5	2234.9	2253.1	2249.5	2256.8	2275.0	2264.1	2249.5	2271.4	2286.0	2267.7
175°	2227.6	2231.2	2260.4	2253.1	2242.2	2260.4	2242.2	2238.5	2271.4	2267.7	2260.4
177.5°	2216.6	2216.6	2234.9	2220.3	2245.8	2245.8	2227.6	2227.6	2264.1	2238.5	2231.2
180°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2



TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-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°	36.5	40.2	43.8	51.1	54.8	58.4	65.7	73.0	84.0	84.0	98.6
95°	116.9	120.5	120.5	127.8	131.5	131.5	135.1	149.7	164.3	182.6	215.5
97.5°	248.3	219.1	211.8	211.8	215.5	215.5	219.1	226.4	237.4	259.3	292.1
100°	438.2	372.5	325.0	299.4	292.1	288.5	292.1	292.1	310.4	339.6	376.1
102.5°	573.3	485.7	405.3	368.8	354.2	357.9	354.2	361.5	387.1	412.6	452.8
105°	723.0	609.8	507.6	452.8	430.9	427.3	427.3	434.6	463.8	496.6	525.9
107.5°	927.5	785.1	635.4	555.1	522.2	514.9	514.9	525.9	544.1	566.0	598.9
110°	1256.2	1022.5	814.3	686.5	642.7	617.1	602.5	613.5	624.5	642.7	668.3
112.5°	1563.0	1274.5	1000.6	807.0	748.6	708.4	686.5	686.5	701.1	715.7	734.0
115°	1774.8	1453.4	1157.6	931.2	847.2	810.7	763.2	766.9	777.8	792.4	803.4
117.5°	1964.6	1621.4	1289.1	1048.1	953.1	894.7	847.2	836.3	858.2	876.4	883.7
120°	2099.8	1767.5	1420.5	1168.6	1059.0	993.3	927.5	916.6	938.5	942.2	978.7
122.5°	2213.0	1873.4	1533.7	1274.5	1157.6	1102.8	1022.5	1007.9	1022.5	1048.1	1077.3
125°	2286.0	1968.3	1636.0	1373.1	1263.5	1190.5	1106.5	1095.5	1106.5	1124.7	1157.6
127.5°	2344.4	2045.0	1734.6	1475.3	1347.5	1289.1	1205.1	1183.2	1197.8	1205.1	1241.6
130°	2388.3	2132.6	1825.9	1573.9	1460.7	1402.3	1289.1	1267.2	1274.5	1292.7	1311.0
132.5°	2432.1	2187.4	1917.2	1676.2	1566.6	1500.9	1391.3	1343.8	1347.5	1362.1	1380.4
135°	2461.3	2245.8	2012.1	1778.4	1657.9	1606.8	1489.9	1442.4	1424.2	1420.5	1442.4
137.5°	2490.5	2300.6	2085.2	1873.4	1771.1	1712.7	1573.9	1519.1	1500.9	1497.2	1504.5
140°	2516.1	2348.1	2150.9	1975.6	1873.4	1804.0	1676.2	1606.8	1577.6	1563.0	1570.3
142.5°	2527.0	2388.3	2220.3	2085.2	1961.0	1880.7	1774.8	1705.4	1643.3	1625.0	1610.4
145°	2534.3	2450.3	2286.0	2154.5	2059.6	2012.1	1884.3	1793.0	1720.0	1683.5	1676.2
147.5°	2534.3	2446.7	2329.8	2213.0	2132.6	2081.5	1942.7	1884.3	1825.9	1763.8	1734.6
150°	2527.0	2486.8	2362.7	2271.4	2187.4	2147.2	2048.6	1939.1	1877.0	1833.2	1800.3
152.5°	2508.8	2454.0	2380.9	2300.6	2238.5	2213.0	2099.8	2030.4	1964.6	1898.9	1873.4
155°	2490.5	2446.7	2391.9	2326.2	2275.0	2242.2	2161.8	2092.5	2045.0	1975.6	1950.0
157.5°	2468.6	2439.4	2391.9	2355.4	2297.0	2275.0	2194.7	2147.2	2107.1	2037.7	2004.8
160°	2435.7	2417.5	2388.3	2337.1	2311.6	2293.3	2227.6	2191.1	2150.9	2099.8	2074.2
162.5°	2402.9	2406.5	2370.0	2359.0	2318.9	2304.3	2260.4	2220.3	2180.1	2150.9	2129.0
165°	2377.3	2391.9	2355.4	2318.9	2318.9	2311.6	2264.1	2245.8	2227.6	2194.7	2169.1
167.5°	2329.8	2348.1	2348.1	2304.3	2300.6	2311.6	2282.4	2264.1	2249.5	2223.9	2209.3
170°	2322.5	2322.5	2297.0	2300.6	2311.6	2286.0	2267.7	2264.1	2264.1	2249.5	2238.5
172.5°	2278.7	2300.6	2289.7	2282.4	2271.4	2271.4	2260.4	2264.1	2256.8	2260.4	2256.8
175°	2264.1	2267.7	2271.4	2267.7	2256.8	2256.8	2253.1	2256.8	2260.4	2260.4	2253.1
177.5°	2242.2	2253.1	2271.4	2253.1	2260.4	2245.8	2242.2	2249.5	2249.5	2253.1	2245.8
180°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2



TEST NUMBER: P508429

CATALOG NUMBER: ASYX-X-S2-X-U-F-L35-1-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°	109.6	116.9	120.5	124.2	127.8	116.9	116.9	105.9	98.6
95°	233.7	252.0	252.0	252.0	262.9	270.2	266.6	262.9	262.9
97.5°	317.7	346.9	368.8	372.5	372.5	372.5	376.1	376.1	368.8
100°	401.7	416.3	430.9	434.6	430.9	430.9	427.3	434.6	430.9
102.5°	482.0	496.6	500.3	503.9	500.3	496.6	489.3	496.6	482.0
105°	551.4	566.0	562.4	558.7	555.1	547.8	540.5	551.4	547.8
107.5°	628.1	631.8	635.4	639.1	624.5	620.8	620.8	628.1	624.5
110°	690.2	704.8	701.1	697.5	697.5	690.2	686.5	690.2	686.5
112.5°	755.9	763.2	759.6	759.6	755.9	745.0	734.0	737.7	734.0
115°	825.3	828.9	825.3	818.0	810.7	803.4	788.8	781.5	777.8
117.5°	898.3	894.7	887.4	883.7	876.4	872.8	850.9	839.9	836.3
120°	982.3	971.4	956.8	953.1	942.2	938.5	909.3	891.0	887.4
122.5°	1084.6	1066.3	1037.1	1022.5	1018.8	1007.9	971.4	964.1	953.1
125°	1172.2	1164.9	1146.7	1135.7	1121.1	1088.2	1048.1	1029.8	1037.1
127.5°	1256.2	1252.6	1245.3	1230.6	1212.4	1197.8	1164.9	1135.7	1128.4
130°	1325.6	1329.2	1318.3	1307.3	1296.4	1281.8	1245.3	1227.0	1227.0
132.5°	1391.3	1395.0	1402.3	1373.1	1365.8	1351.2	1318.3	1296.4	1303.7
135°	1442.4	1449.7	1438.8	1427.8	1420.5	1405.9	1373.1	1362.1	1365.8
137.5°	1511.8	1504.5	1493.6	1486.3	1468.0	1464.4	1438.8	1420.5	1413.2
140°	1555.6	1559.3	1559.3	1541.0	1522.8	1515.5	1489.9	1471.7	1475.3
142.5°	1614.1	1599.5	1606.8	1588.5	1577.6	1566.6	1533.7	1530.1	1530.1
145°	1657.9	1650.6	1646.9	1632.3	1628.7	1606.8	1595.8	1577.6	1588.5
147.5°	1705.4	1705.4	1705.4	1672.5	1665.2	1654.2	1643.3	1628.7	1639.6
150°	1774.8	1749.2	1741.9	1723.6	1709.0	1701.7	1676.2	1668.9	1679.8
152.5°	1829.5	1800.3	1778.4	1767.5	1763.8	1752.8	1738.2	1727.3	1727.3
155°	1895.3	1855.1	1855.1	1814.9	1804.0	1796.7	1782.1	1778.4	1782.1
157.5°	1964.6	1928.1	1909.9	1888.0	1869.7	1862.4	1844.1	1836.8	1844.1
160°	2015.8	2012.1	1972.0	1961.0	1942.7	1931.8	1928.1	1909.9	1909.9
162.5°	2096.1	2045.0	2037.7	2026.7	2012.1	1997.5	1990.2	1982.9	1990.2
165°	2139.9	2125.3	2107.1	2092.5	2081.5	2077.9	2055.9	2063.2	2059.6
167.5°	2191.1	2180.1	2161.8	2150.9	2154.5	2139.9	2139.9	2121.7	2125.3
170°	2227.6	2234.9	2213.0	2202.0	2194.7	2194.7	2180.1	2180.1	2187.4
172.5°	2253.1	2264.1	2245.8	2238.5	2231.2	2238.5	2223.9	2220.3	2227.6
175°	2260.4	2275.0	2260.4	2256.8	2249.5	2271.4	2245.8	2245.8	2231.2
177.5°	2253.1	2256.8	2271.4	2249.5	2249.5	2256.8	2260.4	2231.2	2249.5
180°	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2	2242.2

(END OF REPORT)