

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: P508359

Luminaire Tested: **ASYX-X-L3-X-U-W-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508359  
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-L3-X-U-W-L27-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(3) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

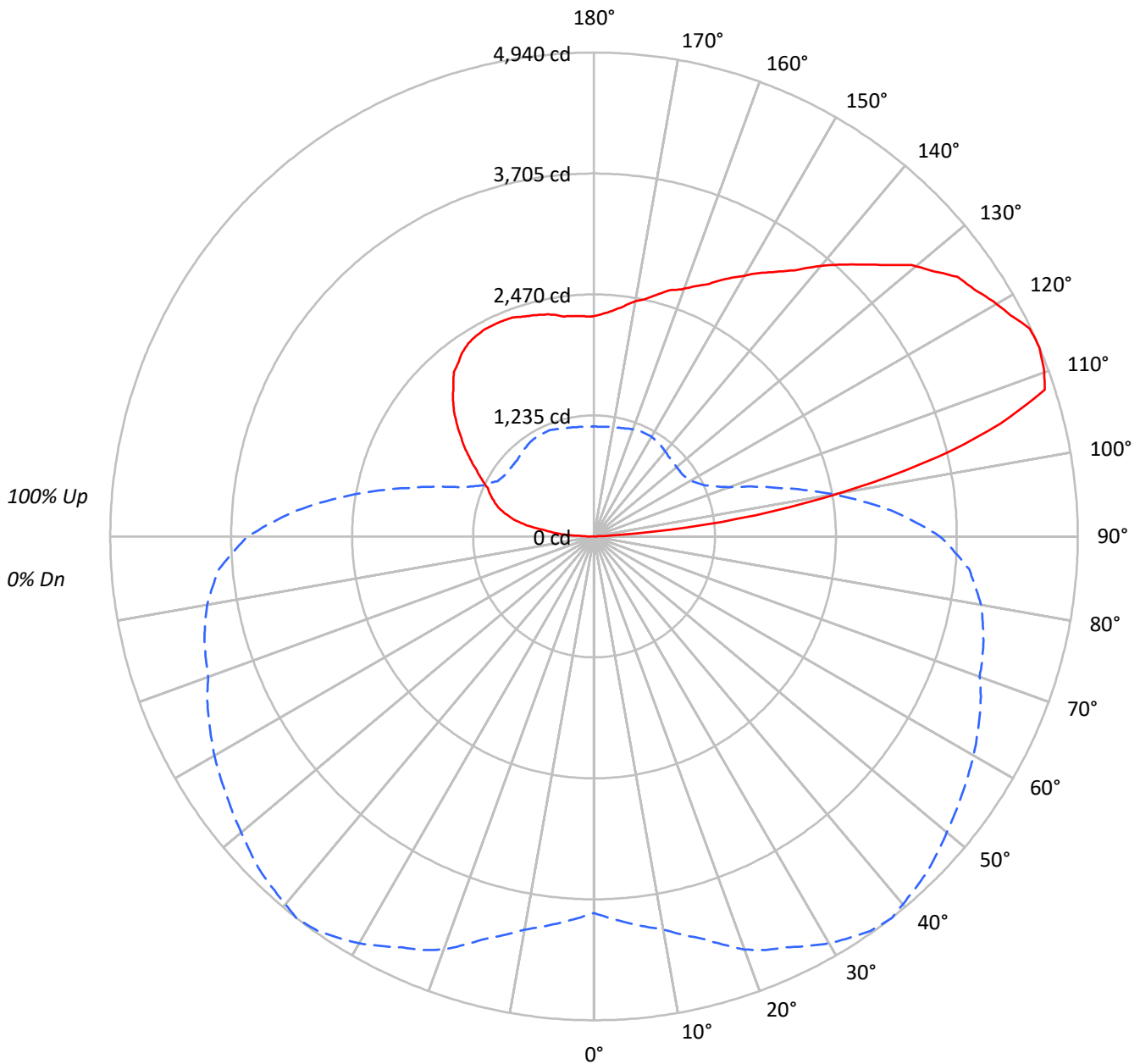
Lumens per Lamp: N/A  
Luminaire Lumens: 14851.3 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Indirect

Input Watts (W): 165.2  
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: P508359  
CATALOG NUMBER: ASYX-X-L3-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



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**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°	34469	38372	48783
100°	94016	72797	44395
105°	94181	77754	40740
110°	104914	95633	34307
115°	110660	95906	28569
120°	103738	84464	26529
125°	90628	72245	26387
130°	77960	59970	27339
135°	66139	51467	27818
140°	55500	43808	28712
145°	46919	38546	28788
150°	39928	34169	28867
155°	34964	30586	28084
160°	31490	27870	27328
165°	28874	26233	26174
170°	26823	24982	25097
175°	25095	24355	24241



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**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°	607.8	4.1
100°-110°	2200.2	14.8
110°-120°	2965.9	20.0
120°-130°	2822.9	19.0
130°-140°	2352.0	15.8
140°-150°	1781.8	12.0
150°-160°	1212.6	8.2
160°-170°	688.9	4.6
170°-180°	219.2	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°	5774.0	38.9
90°-150°	12730.6	85.7
90°-180°	14851.0	100.0
0°-180°	14851.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	279	911	311	311	395	496
105°	2265	4624	1870	827	980	2457
115°	4345	4729	3766	1196	1122	4189
125°	4829	4324	3850	1606	1406	4310
135°	4345	3723	3381	2038	1827	3367
145°	3571	3176	2933	2317	2191	2259
155°	2944	2791	2575	2402	2365	1375
165°	2591	2512	2354	2338	2349	739
175°	2322	2291	2254	2249	2244	226
180°	2244	2244	2244	2244	2244	



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CATALOG NUMBER: ASYX-X-L3-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°	42.1	42.1	42.1	47.4	52.7	57.9	57.9	73.7	94.8	100.1	115.9
95°	279.1	321.3	479.2	553.0	558.2	574.0	574.0	726.8	905.8	948.0	990.1
97.5°	747.8	800.5	969.0	1100.7	1290.3	1342.9	1406.1	1532.5	1727.4	1843.2	1901.2
100°	1516.7	1527.3	1616.8	1737.9	1943.3	2059.2	2201.4	2548.9	2722.7	2722.7	2659.5
102.5°	1922.2	1932.8	2011.8	2127.6	2369.9	2543.7	2706.9	3128.2	3481.1	3612.8	3665.4
105°	2264.6	2301.4	2385.7	2548.9	2843.9	3038.7	3191.4	3670.7	4081.5	4307.9	4481.7
107.5°	2701.7	2759.6	2901.8	3091.4	3444.2	3670.7	3865.5	4255.3	4613.4	4839.8	4834.6
110°	3333.6	3365.2	3512.7	3760.2	4065.7	4244.7	4365.8	4639.7	4882.0	4903.0	4913.6
112.5°	3844.5	3960.3	4076.2	4250.0	4487.0	4571.2	4629.2	4797.7	4918.8	4939.9	4903.0
115°	4344.8	4386.9	4444.8	4560.7	4671.3	4755.6	4766.1	4855.6	4882.0	4929.4	4845.1
117.5°	4655.5	4676.6	4681.8	4724.0	4781.9	4829.3	4818.8	4845.1	4876.7	4813.5	4771.4
120°	4818.8	4839.8	4803.0	4818.8	4834.6	4845.1	4824.0	4834.6	4776.6	4729.2	4681.8
122.5°	4882.0	4876.7	4839.8	4839.8	4818.8	4813.5	4771.4	4734.5	4692.4	4629.2	4571.2
125°	4829.3	4850.4	4803.0	4766.1	4718.7	4797.7	4692.4	4655.5	4581.8	4560.7	4450.1
127.5°	4760.8	4803.0	4724.0	4687.1	4639.7	4623.9	4560.7	4508.0	4455.4	4397.4	4323.7
130°	4655.5	4671.3	4597.6	4560.7	4513.3	4465.9	4455.4	4339.5	4302.7	4265.8	4165.7
132.5°	4550.2	4523.8	4450.1	4402.7	4344.8	4318.5	4292.1	4192.1	4139.4	4060.4	4007.7
135°	4344.8	4350.1	4281.6	4228.9	4149.9	4149.9	4102.5	4028.8	3960.3	3891.9	3823.4
137.5°	4149.9	4186.8	4086.7	4039.3	3997.2	3965.6	3902.4	3833.9	3760.2	3733.9	3681.2
140°	3949.8	3955.1	3876.1	3833.9	3802.3	3744.4	3707.5	3644.4	3618.0	3570.6	3496.9
142.5°	3776.0	3754.9	3691.8	3644.4	3612.8	3570.6	3549.6	3486.4	3444.2	3402.1	3375.8
145°	3570.6	3565.4	3491.6	3460.0	3433.7	3417.9	3381.0	3333.6	3312.6	3275.7	3275.7
147.5°	3396.8	3370.5	3328.4	3291.5	3259.9	3244.1	3244.1	3159.8	3175.6	3170.4	3123.0
150°	3212.5	3207.2	3149.3	3133.5	3107.2	3117.7	3107.2	3070.3	3070.3	3049.2	3017.7
152.5°	3065.0	3065.0	3017.7	3007.1	2996.6	2991.3	2970.3	2954.5	2954.5	2949.2	2912.3
155°	2943.9	2943.9	2907.1	2901.8	2886.0	2880.7	2870.2	2854.4	2843.9	2833.3	2801.7
157.5°	2843.9	2838.6	2796.5	2801.7	2785.9	2785.9	2780.7	2749.1	2759.6	2754.3	2733.3
160°	2749.1	2743.8	2701.7	2717.5	2706.9	2706.9	2706.9	2685.9	2675.3	2675.3	2627.9
162.5°	2664.8	2675.3	2633.2	2627.9	2633.2	2633.2	2612.1	2596.3	2612.1	2627.9	2580.5
165°	2591.1	2580.5	2564.7	2559.5	2548.9	2538.4	2548.9	2538.4	2527.9	2548.9	2533.1
167.5°	2517.3	2527.9	2496.3	2485.7	2485.7	2506.8	2491.0	2469.9	2480.5	2475.2	2443.6
170°	2454.1	2464.7	2422.5	2422.5	2422.5	2422.5	2406.7	2390.9	2417.3	2427.8	2390.9
172.5°	2390.9	2406.7	2369.9	2364.6	2359.3	2369.9	2359.3	2343.6	2375.1	2359.3	2343.6
175°	2322.5	2348.8	2312.0	2306.7	2317.2	2317.2	2306.7	2296.2	2317.2	2306.7	2296.2
177.5°	2290.9	2290.9	2254.0	2259.3	2259.3	2254.0	2269.8	2264.6	2269.8	2269.8	2290.9
180°	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5



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CATALOG NUMBER: ASYX-X-L3-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°	121.1	142.2	152.7	84.3	84.3	94.8	89.5	79.0	68.5	63.2	63.2
95°	911.1	863.7	890.0	800.5	695.2	610.9	605.6	610.9	421.3	316.0	310.7
97.5°	1959.1	1938.0	1774.8	1522.0	1448.3	1453.5	1364.0	1132.3	948.0	811.0	700.4
100°	2548.9	2480.5	2406.7	2459.4	2312.0	2196.1	2032.8	1827.4	1611.5	1427.2	1174.4
102.5°	3633.8	3528.5	3259.9	2965.0	2670.1	2564.7	2443.6	2211.9	1985.4	1769.5	1511.5
105°	4623.9	4444.8	3991.9	3570.6	3170.4	3049.2	2891.3	2633.2	2369.9	2154.0	1869.6
107.5°	4860.9	4729.2	4476.4	4192.1	3844.5	3644.4	3496.9	3217.8	2970.3	2675.3	2348.8
110°	4882.0	4750.3	4592.3	4397.4	4228.9	4113.1	4018.3	3807.6	3628.6	3370.5	3038.7
112.5°	4824.0	4702.9	4587.0	4476.4	4344.8	4276.3	4192.1	4118.3	4013.0	3844.5	3533.8
115°	4729.2	4623.9	4518.6	4423.8	4360.6	4329.0	4286.9	4228.9	4171.0	4044.6	3765.5
117.5°	4639.7	4518.6	4423.8	4392.2	4334.3	4286.9	4281.6	4271.1	4234.2	4171.0	3902.4
120°	4550.2	4455.4	4360.6	4292.1	4271.1	4265.8	4265.8	4234.2	4244.7	4192.1	3923.5
122.5°	4408.0	4334.3	4255.3	4223.7	4134.1	4155.2	4165.7	4144.7	4186.8	4149.9	3897.1
125°	4323.7	4250.0	4149.9	4102.5	4086.7	4065.7	4086.7	4049.9	4070.9	4044.6	3849.7
127.5°	4181.5	4086.7	4034.1	3997.2	3986.7	3912.9	3949.8	3955.1	3960.3	3918.2	3744.4
130°	4028.8	3976.1	3855.0	3870.8	3870.8	3844.5	3849.7	3828.7	3818.1	3781.3	3581.2
132.5°	3918.2	3849.7	3770.7	3749.7	3728.6	3723.3	3723.3	3686.5	3686.5	3639.1	3507.4
135°	3723.3	3676.0	3644.4	3623.3	3618.0	3597.0	3597.0	3560.1	3554.8	3512.7	3381.0
137.5°	3586.4	3539.0	3512.7	3496.9	3481.1	3444.2	3465.3	3433.7	3402.1	3391.6	3265.2
140°	3449.5	3412.6	3391.6	3365.2	3360.0	3338.9	3338.9	3302.0	3291.5	3244.1	3117.7
142.5°	3333.6	3312.6	3270.4	3259.9	3223.0	3228.3	3202.0	3207.2	3165.1	3112.4	3012.4
145°	3175.6	3180.9	3159.8	3138.8	3133.5	3101.9	3107.2	3075.6	3049.2	3012.4	2933.4
147.5°	3091.4	3091.4	3059.8	3033.4	3012.4	3007.1	2980.8	2986.1	2943.9	2891.3	2838.6
150°	2980.8	2970.3	2938.7	2922.9	2907.1	2907.1	2880.7	2864.9	2833.3	2817.5	2749.1
152.5°	2901.8	2875.5	2859.7	2828.1	2828.1	2801.7	2780.7	2770.1	2743.8	2712.2	2659.5
155°	2791.2	2780.7	2759.6	2754.3	2733.3	2712.2	2675.3	2670.1	2654.3	2622.7	2575.3
157.5°	2701.7	2717.5	2685.9	2670.1	2638.5	2633.2	2596.3	2601.6	2570.0	2548.9	2506.8
160°	2659.5	2633.2	2601.6	2596.3	2585.8	2543.7	2538.4	2522.6	2501.5	2485.7	2433.1
162.5°	2564.7	2559.5	2543.7	2533.1	2496.3	2496.3	2433.1	2459.4	2443.6	2427.8	2401.5
165°	2512.1	2517.3	2480.5	2469.9	2459.4	2438.3	2422.5	2406.7	2390.9	2380.4	2354.1
167.5°	2443.6	2433.1	2422.5	2401.5	2406.7	2390.9	2375.1	2364.6	2354.1	2343.6	2322.5
170°	2385.7	2380.4	2369.9	2354.1	2359.3	2343.6	2343.6	2322.5	2317.2	2312.0	2285.6
172.5°	2338.3	2338.3	2327.8	2327.8	2322.5	2306.7	2296.2	2285.6	2285.6	2275.1	2269.8
175°	2290.9	2296.2	2290.9	2285.6	2285.6	2275.1	2275.1	2280.4	2269.8	2269.8	2254.0
177.5°	2254.0	2254.0	2254.0	2254.0	2254.0	2254.0	2254.0	2248.8	2254.0	2248.8	2233.0
180°	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5



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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°	68.5	73.7	79.0	84.3	100.1	94.8	110.6	115.9	126.4	147.5	152.7
95°	279.1	279.1	273.9	273.9	263.3	263.3	258.1	252.8	279.1	310.7	352.8
97.5°	574.0	489.8	447.6	431.8	426.6	421.3	410.8	395.0	405.5	431.8	484.5
100°	969.0	800.5	663.6	584.6	568.8	542.4	531.9	526.6	526.6	579.3	663.6
102.5°	1253.4	1005.9	826.8	711.0	679.4	653.0	637.2	637.2	647.8	711.0	805.8
105°	1585.2	1269.2	995.4	842.6	816.3	779.4	753.1	758.4	768.9	826.8	911.1
107.5°	1985.4	1606.3	1279.7	1042.7	984.8	932.2	890.0	890.0	895.3	932.2	995.4
110°	2585.8	2096.0	1606.3	1253.4	1158.6	1100.7	1000.6	1000.6	995.4	1021.7	1063.8
112.5°	3044.0	2475.2	1917.0	1464.1	1332.4	1237.6	1132.3	1100.7	1100.7	1105.9	1132.3
115°	3317.8	2728.0	2132.9	1658.9	1485.1	1369.3	1237.6	1200.7	1184.9	1195.5	1184.9
117.5°	3475.8	2880.7	2317.2	1801.1	1637.9	1506.2	1342.9	1295.5	1269.2	1290.3	1285.0
120°	3554.8	3017.7	2464.7	1948.6	1780.0	1627.3	1453.5	1406.1	1385.1	1385.1	1390.3
122.5°	3565.4	3091.4	2548.9	2080.2	1911.7	1764.2	1585.2	1516.7	1495.7	1500.9	1500.9
125°	3528.5	3080.8	2627.9	2185.6	2022.3	1874.8	1690.5	1632.6	1585.2	1606.3	1611.5
127.5°	3470.6	3054.5	2675.3	2269.8	2122.4	1990.7	1822.2	1753.7	1711.6	1722.1	1716.8
130°	3386.3	3022.9	2717.5	2343.6	2217.2	2085.5	1938.0	1874.8	1816.9	1822.2	1827.4
132.5°	3302.0	3012.4	2738.5	2401.5	2296.2	2185.6	2038.1	1974.9	1922.2	1927.5	1927.5
135°	3212.5	2986.1	2712.2	2438.3	2385.7	2269.8	2148.7	2080.2	2038.1	2038.1	2027.6
137.5°	3117.7	2922.9	2733.3	2512.1	2438.3	2343.6	2222.4	2169.8	2127.6	2122.4	2117.1
140°	3033.4	2854.4	2706.9	2527.9	2475.2	2401.5	2301.4	2259.3	2201.4	2190.8	2222.4
142.5°	2949.2	2822.8	2733.3	2564.7	2512.1	2448.9	2375.1	2317.2	2275.1	2264.6	2259.3
145°	2864.9	2791.2	2691.1	2554.2	2533.1	2469.9	2390.9	2375.1	2327.8	2317.2	2317.2
147.5°	2780.7	2717.5	2643.7	2548.9	2548.9	2496.3	2459.4	2412.0	2375.1	2354.1	2354.1
150°	2706.9	2654.3	2617.4	2543.7	2538.4	2496.3	2464.7	2443.6	2401.5	2390.9	2385.7
152.5°	2638.5	2591.1	2559.5	2512.1	2506.8	2448.9	2459.4	2438.3	2396.2	2385.7	2385.7
155°	2554.2	2548.9	2512.1	2464.7	2485.7	2454.1	2427.8	2454.1	2390.9	2401.5	2401.5
157.5°	2496.3	2491.0	2485.7	2438.3	2443.6	2427.8	2412.0	2433.1	2380.4	2385.7	2385.7
160°	2433.1	2422.5	2422.5	2380.4	2412.0	2380.4	2385.7	2396.2	2364.6	2369.9	2385.7
162.5°	2401.5	2380.4	2380.4	2364.6	2375.1	2364.6	2338.3	2375.1	2369.9	2359.3	2364.6
165°	2348.8	2343.6	2354.1	2322.5	2348.8	2317.2	2327.8	2343.6	2333.0	2338.3	2343.6
167.5°	2317.2	2312.0	2317.2	2301.4	2317.2	2306.7	2301.4	2322.5	2312.0	2317.2	2322.5
170°	2290.9	2290.9	2296.2	2280.4	2296.2	2280.4	2296.2	2296.2	2290.9	2290.9	2301.4
172.5°	2280.4	2264.6	2280.4	2254.0	2280.4	2248.8	2259.3	2275.1	2269.8	2264.6	2264.6
175°	2259.3	2254.0	2269.8	2243.5	2259.3	2243.5	2243.5	2259.3	2254.0	2248.8	2269.8
177.5°	2259.3	2243.5	2259.3	2233.0	2248.8	2238.2	2238.2	2254.0	2243.5	2243.5	2259.3
180°	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5





TEST NUMBER: P508359

CATALOG NUMBER: ASYX-X-L3-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°	152.7	179.1	184.3	200.1	194.9	163.3	142.2	115.9	100.1
95°	400.2	442.4	484.5	479.2	495.0	463.4	431.8	416.0	395.0
97.5°	537.2	605.6	647.8	647.8	653.0	632.0	621.4	632.0	605.6
100°	758.4	805.8	821.6	816.3	800.5	763.6	742.6	732.0	716.2
102.5°	890.0	942.7	958.5	948.0	937.4	921.6	900.6	890.0	884.8
105°	979.6	1026.9	1048.0	1042.7	1037.5	1011.1	969.0	984.8	979.6
107.5°	1063.8	1095.4	1116.5	1100.7	1095.4	1079.6	1053.3	1069.1	1048.0
110°	1116.5	1142.8	1148.1	1148.1	1137.5	1121.7	1100.7	1105.9	1090.1
112.5°	1158.6	1174.4	1174.4	1174.4	1163.9	1142.8	1132.3	1121.7	1121.7
115°	1206.0	1195.5	1200.7	1200.7	1190.2	1158.6	1142.8	1132.3	1121.7
117.5°	1290.3	1274.5	1258.7	1258.7	1232.3	1211.3	1195.5	1179.7	1163.9
120°	1369.3	1358.7	1348.2	1332.4	1316.6	1290.3	1263.9	1242.9	1232.3
122.5°	1474.6	1448.3	1432.5	1443.0	1411.4	1385.1	1353.5	1332.4	1306.1
125°	1590.5	1569.4	1543.1	1532.5	1506.2	1485.1	1458.8	1437.7	1406.1
127.5°	1690.5	1658.9	1648.4	1643.1	1611.5	1585.2	1543.1	1527.3	1527.3
130°	1806.4	1769.5	1774.8	1748.4	1722.1	1680.0	1637.9	1637.9	1632.6
132.5°	1917.0	1874.8	1869.6	1859.0	1827.4	1795.8	1769.5	1764.2	1743.2
135°	2006.5	1974.9	1969.6	1959.1	1932.8	1901.2	1859.0	1869.6	1827.4
137.5°	2085.5	2069.7	2064.4	2043.4	2017.0	2011.8	1964.4	1959.1	1932.8
140°	2175.0	2143.4	2164.5	2138.2	2106.6	2096.0	2032.8	2043.4	2043.4
142.5°	2238.2	2222.4	2217.2	2206.6	2185.6	2164.5	2148.7	2127.6	2138.2
145°	2301.4	2290.9	2280.4	2280.4	2248.8	2238.2	2206.6	2206.6	2190.8
147.5°	2354.1	2333.0	2333.0	2322.5	2306.7	2296.2	2264.6	2280.4	2254.0
150°	2354.1	2364.6	2354.1	2354.1	2359.3	2354.1	2327.8	2317.2	2322.5
152.5°	2396.2	2380.4	2369.9	2390.9	2364.6	2380.4	2343.6	2354.1	2343.6
155°	2375.1	2385.7	2390.9	2380.4	2380.4	2380.4	2364.6	2390.9	2364.6
157.5°	2396.2	2385.7	2390.9	2385.7	2375.1	2390.9	2375.1	2396.2	2380.4
160°	2385.7	2375.1	2385.7	2380.4	2369.9	2390.9	2390.9	2406.7	2385.7
162.5°	2348.8	2359.3	2385.7	2369.9	2369.9	2406.7	2348.8	2401.5	2369.9
165°	2338.3	2343.6	2354.1	2364.6	2343.6	2359.3	2359.3	2364.6	2348.8
167.5°	2327.8	2306.7	2327.8	2327.8	2333.0	2333.0	2333.0	2343.6	2322.5
170°	2306.7	2264.6	2306.7	2306.7	2296.2	2296.2	2290.9	2322.5	2296.2
172.5°	2269.8	2259.3	2275.1	2275.1	2285.6	2280.4	2280.4	2285.6	2269.8
175°	2248.8	2254.0	2275.1	2259.3	2254.0	2259.3	2243.5	2259.3	2243.5
177.5°	2238.2	2238.2	2243.5	2248.8	2259.3	2248.8	2233.0	2248.8	2233.0
180°	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5	2243.5

(END OF REPORT)