

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: P508457

Luminaire Tested: **ASYX-X-S3-X-U-W-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508457
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-S3-X-U-W-L35-1-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

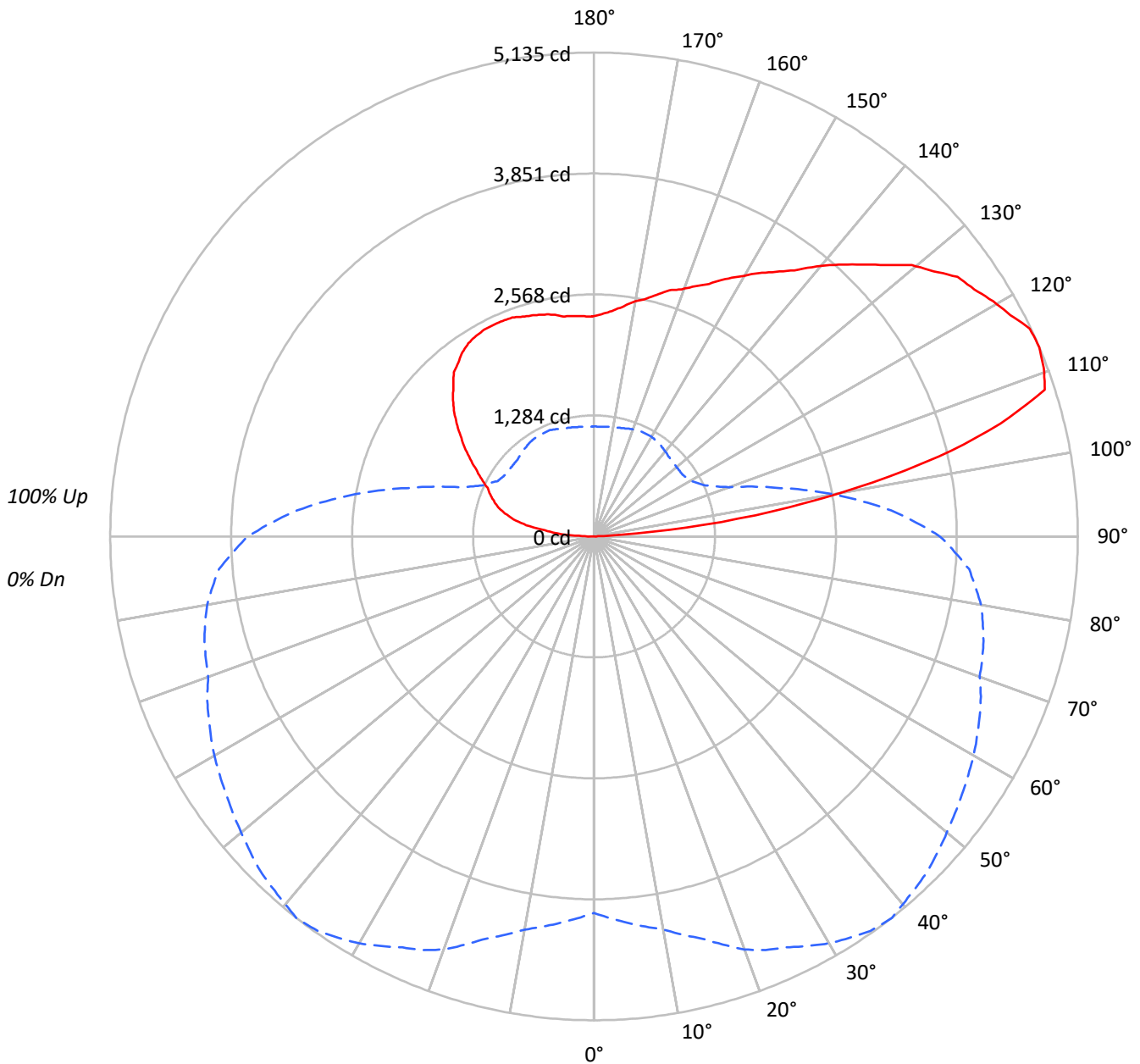
Lumens per Lamp: N/A
Luminaire Lumens: 15437.9 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 160.2
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: P508457
CATALOG NUMBER: ASYX-X-S3-X-U-W-L35-1-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				
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	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
95°	47771	53188	67613
100°	130305	100898	61532
105°	130533	107764	56461
110°	145411	132546	47551
115°	153374	132924	39600
120°	143780	117065	36770
125°	125609	100132	36574
130°	108052	83117	37892
135°	91668	71335	38555
140°	76922	60718	39795
145°	65031	53425	39901
150°	55341	47357	40008
155°	48460	42392	38924
160°	43644	38628	37875
165°	40019	36359	36278
170°	37178	34625	34784
175°	34781	33756	33598



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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°	631.9	4.1
100°-110°	2287.1	14.8
110°-120°	3083.1	20.0
120°-130°	2934.4	19.0
130°-140°	2444.9	15.8
140°-150°	1852.1	12.0
150°-160°	1260.4	8.2
160°-170°	716.2	4.6
170°-180°	227.8	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°	6002.0	38.9
90°-150°	13233.5	85.7
90°-180°	15438.0	100.0
0°-180°	15437.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	290	947	323	323	411	516
105°	2354	4806	1943	860	1018	2554
115°	4516	4916	3914	1243	1166	4355
125°	5020	4494	4002	1670	1462	4480
135°	4516	3870	3515	2119	1900	3500
145°	3712	3301	3049	2409	2277	2348
155°	3060	2901	2677	2496	2458	1430
165°	2693	2611	2447	2431	2442	769
175°	2414	2381	2343	2338	2332	235
180°	2332	2332	2332	2332	2332	



TEST NUMBER: P508457

CATALOG NUMBER: ASYX-X-S3-X-U-W-L35-1-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°	43.8	43.8	43.8	49.3	54.7	60.2	60.2	76.6	98.5	104.0	120.4
95°	290.1	333.9	498.2	574.8	580.3	596.7	596.7	755.5	941.6	985.4	1029.2
97.5°	777.4	832.1	1007.3	1144.2	1341.2	1396.0	1461.7	1593.1	1795.6	1916.0	1976.3
100°	1576.6	1587.6	1680.6	1806.6	2020.1	2140.5	2288.3	2649.6	2830.3	2830.3	2764.6
102.5°	1998.2	2009.1	2091.2	2211.7	2463.5	2644.1	2813.9	3251.8	3618.6	3755.5	3810.2
105°	2354.0	2392.3	2479.9	2649.6	2956.2	3158.7	3317.5	3815.7	4242.7	4478.1	4658.7
107.5°	2808.4	2868.6	3016.4	3213.5	3580.3	3815.7	4018.2	4423.3	4795.6	5031.0	5025.5
110°	3465.3	3498.2	3651.4	3908.7	4226.3	4412.4	4538.3	4823.0	5074.8	5096.7	5107.6
112.5°	3996.3	4116.8	4237.2	4417.9	4664.2	4751.8	4812.0	4987.2	5113.1	5135.0	5096.7
115°	4516.4	4560.2	4620.4	4740.9	4855.8	4943.4	4954.4	5047.4	5074.8	5124.1	5036.5
117.5°	4839.4	4861.3	4866.8	4910.6	4970.8	5020.0	5009.1	5036.5	5069.3	5003.6	4959.8
120°	5009.1	5031.0	4992.7	5009.1	5025.5	5036.5	5014.6	5025.5	4965.3	4916.0	4866.8
122.5°	5074.8	5069.3	5031.0	5031.0	5009.1	5003.6	4959.8	4921.5	4877.7	4812.0	4751.8
125°	5020.0	5041.9	4992.7	4954.4	4905.1	4987.2	4877.7	4839.4	4762.7	4740.9	4625.9
127.5°	4948.9	4992.7	4910.6	4872.2	4823.0	4806.5	4740.9	4686.1	4631.4	4571.1	4494.5
130°	4839.4	4855.8	4779.2	4740.9	4691.6	4642.3	4631.4	4510.9	4472.6	4434.3	4330.3
132.5°	4729.9	4702.5	4625.9	4576.6	4516.4	4489.0	4461.7	4357.6	4302.9	4220.8	4166.0
135°	4516.4	4521.9	4450.7	4396.0	4313.8	4313.8	4264.6	4187.9	4116.8	4045.6	3974.4
137.5°	4313.8	4352.2	4248.2	4198.9	4155.1	4122.2	4056.5	3985.4	3908.7	3881.4	3826.6
140°	4105.8	4111.3	4029.2	3985.4	3952.5	3892.3	3854.0	3788.3	3760.9	3711.7	3635.0
142.5°	3925.2	3903.3	3837.6	3788.3	3755.5	3711.7	3689.8	3624.1	3580.3	3536.5	3509.1
145°	3711.7	3706.2	3629.5	3596.7	3569.3	3552.9	3514.6	3465.3	3443.4	3405.1	3405.1
147.5°	3531.0	3503.6	3459.8	3421.5	3388.7	3372.2	3372.2	3284.7	3301.1	3295.6	3246.3
150°	3339.4	3333.9	3273.7	3257.3	3229.9	3240.9	3229.9	3191.6	3191.6	3169.7	3136.8
152.5°	3186.1	3186.1	3136.8	3125.9	3114.9	3109.5	3087.6	3071.2	3071.2	3065.7	3027.4
155°	3060.2	3060.2	3021.9	3016.4	3000.0	2994.5	2983.6	2967.1	2956.2	2945.2	2912.4
157.5°	2956.2	2950.7	2906.9	2912.4	2896.0	2896.0	2890.5	2857.6	2868.6	2863.1	2841.2
160°	2857.6	2852.2	2808.4	2824.8	2813.9	2813.9	2813.9	2792.0	2781.0	2781.0	2731.7
162.5°	2770.1	2781.0	2737.2	2731.7	2737.2	2737.2	2715.3	2698.9	2715.3	2731.7	2682.5
165°	2693.4	2682.5	2666.0	2660.6	2649.6	2638.7	2649.6	2638.7	2627.7	2649.6	2633.2
167.5°	2616.8	2627.7	2594.9	2583.9	2583.9	2605.8	2589.4	2567.5	2578.5	2573.0	2540.1
170°	2551.1	2562.0	2518.2	2518.2	2518.2	2518.2	2501.8	2485.4	2512.8	2523.7	2485.4
172.5°	2485.4	2501.8	2463.5	2458.0	2452.5	2463.5	2452.5	2436.1	2469.0	2452.5	2436.1
175°	2414.2	2441.6	2403.3	2397.8	2408.7	2408.7	2397.8	2386.8	2408.7	2397.8	2386.8
177.5°	2381.4	2381.4	2343.1	2348.5	2348.5	2343.1	2359.5	2354.0	2359.5	2359.5	2381.4
180°	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1



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CATALOG NUMBER: ASYX-X-S3-X-U-W-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°	125.9	147.8	158.8	87.6	87.6	98.5	93.1	82.1	71.2	65.7	65.7
95°	947.1	897.8	925.2	832.1	722.6	635.0	629.6	635.0	438.0	328.5	323.0
97.5°	2036.5	2014.6	1844.9	1582.1	1505.5	1510.9	1417.9	1177.0	985.4	843.1	728.1
100°	2649.6	2578.5	2501.8	2556.6	2403.3	2282.8	2113.1	1899.6	1675.2	1483.6	1220.8
102.5°	3777.4	3667.9	3388.7	3082.1	2775.5	2666.0	2540.1	2299.3	2063.9	1839.4	1571.2
105°	4806.5	4620.4	4149.6	3711.7	3295.6	3169.7	3005.5	2737.2	2463.5	2239.0	1943.4
107.5°	5052.9	4916.0	4653.3	4357.6	3996.3	3788.3	3635.0	3344.9	3087.6	2781.0	2441.6
110°	5074.8	4937.9	4773.7	4571.1	4396.0	4275.5	4177.0	3958.0	3771.9	3503.6	3158.7
112.5°	5014.6	4888.7	4768.2	4653.3	4516.4	4445.2	4357.6	4281.0	4171.5	3996.3	3673.3
115°	4916.0	4806.5	4697.1	4598.5	4532.8	4500.0	4456.2	4396.0	4335.7	4204.4	3914.2
117.5°	4823.0	4697.1	4598.5	4565.7	4505.5	4456.2	4450.7	4439.8	4401.4	4335.7	4056.5
120°	4729.9	4631.4	4532.8	4461.7	4439.8	4434.3	4434.3	4401.4	4412.4	4357.6	4078.4
122.5°	4582.1	4505.5	4423.3	4390.5	4297.4	4319.3	4330.3	4308.4	4352.2	4313.8	4051.1
125°	4494.5	4417.9	4313.8	4264.6	4248.2	4226.3	4248.2	4209.8	4231.7	4204.4	4001.8
127.5°	4346.7	4248.2	4193.4	4155.1	4144.1	4067.5	4105.8	4111.3	4116.8	4073.0	3892.3
130°	4187.9	4133.2	4007.3	4023.7	4023.7	3996.3	4001.8	3979.9	3969.0	3930.6	3722.6
132.5°	4073.0	4001.8	3919.7	3897.8	3875.9	3870.4	3870.4	3832.1	3832.1	3782.8	3646.0
135°	3870.4	3821.1	3788.3	3766.4	3760.9	3739.0	3739.0	3700.7	3695.2	3651.4	3514.6
137.5°	3728.1	3678.8	3651.4	3635.0	3618.6	3580.3	3602.2	3569.3	3536.5	3525.5	3394.1
140°	3585.7	3547.4	3525.5	3498.2	3492.7	3470.8	3470.8	3432.5	3421.5	3372.2	3240.9
142.5°	3465.3	3443.4	3399.6	3388.7	3350.3	3355.8	3328.4	3333.9	3290.1	3235.4	3131.4
145°	3301.1	3306.6	3284.7	3262.8	3257.3	3224.4	3229.9	3197.1	3169.7	3131.4	3049.3
147.5°	3213.5	3213.5	3180.6	3153.3	3131.4	3125.9	3098.5	3104.0	3060.2	3005.5	2950.7
150°	3098.5	3087.6	3054.7	3038.3	3021.9	3021.9	2994.5	2978.1	2945.2	2928.8	2857.6
152.5°	3016.4	2989.0	2972.6	2939.8	2939.8	2912.4	2890.5	2879.5	2852.2	2819.3	2764.6
155°	2901.4	2890.5	2868.6	2863.1	2841.2	2819.3	2781.0	2775.5	2759.1	2726.3	2677.0
157.5°	2808.4	2824.8	2792.0	2775.5	2742.7	2737.2	2698.9	2704.4	2671.5	2649.6	2605.8
160°	2764.6	2737.2	2704.4	2698.9	2687.9	2644.1	2638.7	2622.2	2600.4	2583.9	2529.2
162.5°	2666.0	2660.6	2644.1	2633.2	2594.9	2594.9	2529.2	2556.6	2540.1	2523.7	2496.3
165°	2611.3	2616.8	2578.5	2567.5	2556.6	2534.7	2518.2	2501.8	2485.4	2474.4	2447.1
167.5°	2540.1	2529.2	2518.2	2496.3	2501.8	2485.4	2469.0	2458.0	2447.1	2436.1	2414.2
170°	2479.9	2474.4	2463.5	2447.1	2452.5	2436.1	2436.1	2414.2	2408.7	2403.3	2375.9
172.5°	2430.6	2430.6	2419.7	2419.7	2414.2	2397.8	2386.8	2375.9	2375.9	2365.0	2359.5
175°	2381.4	2386.8	2381.4	2375.9	2375.9	2365.0	2365.0	2370.4	2359.5	2359.5	2343.1
177.5°	2343.1	2343.1	2343.1	2343.1	2343.1	2343.1	2343.1	2337.6	2343.1	2337.6	2321.2
180°	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1



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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°	71.2	76.6	82.1	87.6	104.0	98.5	115.0	120.4	131.4	153.3	158.8
95°	290.1	290.1	284.7	284.7	273.7	273.7	268.2	262.8	290.1	323.0	366.8
97.5°	596.7	509.1	465.3	448.9	443.4	438.0	427.0	410.6	421.5	448.9	503.6
100°	1007.3	832.1	689.8	607.7	591.2	563.9	552.9	547.4	547.4	602.2	689.8
102.5°	1302.9	1045.6	859.5	739.0	706.2	678.8	662.4	662.4	673.4	739.0	837.6
105°	1647.8	1319.3	1034.7	875.9	848.5	810.2	782.8	788.3	799.3	859.5	947.1
107.5°	2063.9	1669.7	1330.3	1083.9	1023.7	969.0	925.2	925.2	930.7	969.0	1034.7
110°	2687.9	2178.8	1669.7	1302.9	1204.4	1144.2	1040.1	1040.1	1034.7	1062.0	1105.8
112.5°	3164.2	2573.0	1992.7	1521.9	1385.0	1286.5	1177.0	1144.2	1144.2	1149.6	1177.0
115°	3448.9	2835.8	2217.1	1724.4	1543.8	1423.4	1286.5	1248.2	1231.7	1242.7	1231.7
117.5°	3613.1	2994.5	2408.7	1872.3	1702.5	1565.7	1396.0	1346.7	1319.3	1341.2	1335.8
120°	3695.2	3136.8	2562.0	2025.5	1850.4	1691.6	1510.9	1461.7	1439.8	1439.8	1445.2
122.5°	3706.2	3213.5	2649.6	2162.4	1987.2	1833.9	1647.8	1576.6	1554.7	1560.2	1560.2
125°	3667.9	3202.5	2731.7	2271.9	2102.2	1948.9	1757.3	1697.1	1647.8	1669.7	1675.2
127.5°	3607.6	3175.2	2781.0	2359.5	2206.2	2069.3	1894.2	1823.0	1779.2	1790.1	1784.7
130°	3520.1	3142.3	2824.8	2436.1	2304.7	2167.9	2014.6	1948.9	1888.7	1894.2	1899.6
132.5°	3432.5	3131.4	2846.7	2496.3	2386.8	2271.9	2118.6	2052.9	1998.2	2003.6	2003.6
135°	3339.4	3104.0	2819.3	2534.7	2479.9	2359.5	2233.6	2162.4	2118.6	2118.6	2107.7
137.5°	3240.9	3038.3	2841.2	2611.3	2534.7	2436.1	2310.2	2255.5	2211.7	2206.2	2200.7
140°	3153.3	2967.1	2813.9	2627.7	2573.0	2496.3	2392.3	2348.5	2288.3	2277.4	2310.2
142.5°	3065.7	2934.3	2841.2	2666.0	2611.3	2545.6	2469.0	2408.7	2365.0	2354.0	2348.5
145°	2978.1	2901.4	2797.4	2655.1	2633.2	2567.5	2485.4	2469.0	2419.7	2408.7	2408.7
147.5°	2890.5	2824.8	2748.2	2649.6	2649.6	2594.9	2556.6	2507.3	2469.0	2447.1	2447.1
150°	2813.9	2759.1	2720.8	2644.1	2638.7	2594.9	2562.0	2540.1	2496.3	2485.4	2479.9
152.5°	2742.7	2693.4	2660.6	2611.3	2605.8	2545.6	2556.6	2534.7	2490.9	2479.9	2479.9
155°	2655.1	2649.6	2611.3	2562.0	2583.9	2551.1	2523.7	2551.1	2485.4	2496.3	2496.3
157.5°	2594.9	2589.4	2583.9	2534.7	2540.1	2523.7	2507.3	2529.2	2474.4	2479.9	2479.9
160°	2529.2	2518.2	2518.2	2474.4	2507.3	2474.4	2479.9	2490.9	2458.0	2463.5	2479.9
162.5°	2496.3	2474.4	2474.4	2458.0	2469.0	2458.0	2430.6	2469.0	2463.5	2452.5	2458.0
165°	2441.6	2436.1	2447.1	2414.2	2441.6	2408.7	2419.7	2436.1	2425.2	2430.6	2436.1
167.5°	2408.7	2403.3	2408.7	2392.3	2408.7	2397.8	2392.3	2414.2	2403.3	2408.7	2414.2
170°	2381.4	2381.4	2386.8	2370.4	2386.8	2370.4	2386.8	2386.8	2381.4	2381.4	2392.3
172.5°	2370.4	2354.0	2370.4	2343.1	2370.4	2337.6	2348.5	2365.0	2359.5	2354.0	2354.0
175°	2348.5	2343.1	2359.5	2332.1	2348.5	2332.1	2332.1	2348.5	2343.1	2337.6	2359.5
177.5°	2348.5	2332.1	2348.5	2321.2	2337.6	2326.6	2326.6	2343.1	2332.1	2332.1	2348.5
180°	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1



TEST NUMBER: P508457

CATALOG NUMBER: ASYX-X-S3-X-U-W-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°	158.8	186.1	191.6	208.0	202.6	169.7	147.8	120.4	104.0
95°	416.1	459.9	503.6	498.2	514.6	481.7	448.9	432.5	410.6
97.5°	558.4	629.6	673.4	673.4	678.8	656.9	646.0	656.9	629.6
100°	788.3	837.6	854.0	848.5	832.1	793.8	771.9	760.9	744.5
102.5°	925.2	979.9	996.3	985.4	974.4	958.0	936.1	925.2	919.7
105°	1018.2	1067.5	1089.4	1083.9	1078.5	1051.1	1007.3	1023.7	1018.2
107.5°	1105.8	1138.7	1160.6	1144.2	1138.7	1122.3	1094.9	1111.3	1089.4
110°	1160.6	1187.9	1193.4	1193.4	1182.5	1166.1	1144.2	1149.6	1133.2
112.5°	1204.4	1220.8	1220.8	1220.8	1209.8	1187.9	1177.0	1166.1	1166.1
115°	1253.6	1242.7	1248.2	1248.2	1237.2	1204.4	1187.9	1177.0	1166.1
117.5°	1341.2	1324.8	1308.4	1308.4	1281.0	1259.1	1242.7	1226.3	1209.8
120°	1423.4	1412.4	1401.5	1385.0	1368.6	1341.2	1313.9	1292.0	1281.0
122.5°	1532.8	1505.5	1489.0	1500.0	1467.1	1439.8	1406.9	1385.0	1357.7
125°	1653.3	1631.4	1604.0	1593.1	1565.7	1543.8	1516.4	1494.5	1461.7
127.5°	1757.3	1724.4	1713.5	1708.0	1675.2	1647.8	1604.0	1587.6	1587.6
130°	1877.7	1839.4	1844.9	1817.5	1790.1	1746.3	1702.5	1702.5	1697.1
132.5°	1992.7	1948.9	1943.4	1932.5	1899.6	1866.8	1839.4	1833.9	1812.0
135°	2085.8	2052.9	2047.4	2036.5	2009.1	1976.3	1932.5	1943.4	1899.6
137.5°	2167.9	2151.4	2146.0	2124.1	2096.7	2091.2	2042.0	2036.5	2009.1
140°	2260.9	2228.1	2250.0	2222.6	2189.8	2178.8	2113.1	2124.1	2124.1
142.5°	2326.6	2310.2	2304.7	2293.8	2271.9	2250.0	2233.6	2211.7	2222.6
145°	2392.3	2381.4	2370.4	2370.4	2337.6	2326.6	2293.8	2293.8	2277.4
147.5°	2447.1	2425.2	2425.2	2414.2	2397.8	2386.8	2354.0	2370.4	2343.1
150°	2447.1	2458.0	2447.1	2447.1	2452.5	2447.1	2419.7	2408.7	2414.2
152.5°	2490.9	2474.4	2463.5	2485.4	2458.0	2474.4	2436.1	2447.1	2436.1
155°	2469.0	2479.9	2485.4	2474.4	2474.4	2474.4	2458.0	2485.4	2458.0
157.5°	2490.9	2479.9	2485.4	2479.9	2469.0	2485.4	2469.0	2490.9	2474.4
160°	2479.9	2469.0	2479.9	2474.4	2463.5	2485.4	2485.4	2501.8	2479.9
162.5°	2441.6	2452.5	2479.9	2463.5	2463.5	2501.8	2441.6	2496.3	2463.5
165°	2430.6	2436.1	2447.1	2458.0	2436.1	2452.5	2452.5	2458.0	2441.6
167.5°	2419.7	2397.8	2419.7	2419.7	2425.2	2425.2	2425.2	2436.1	2414.2
170°	2397.8	2354.0	2397.8	2397.8	2386.8	2386.8	2381.4	2414.2	2386.8
172.5°	2359.5	2348.5	2365.0	2365.0	2375.9	2370.4	2370.4	2375.9	2359.5
175°	2337.6	2343.1	2365.0	2348.5	2343.1	2348.5	2332.1	2348.5	2332.1
177.5°	2326.6	2326.6	2332.1	2337.6	2348.5	2337.6	2321.2	2337.6	2321.2
180°	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1	2332.1

(END OF REPORT)