

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: P508375

Luminaire Tested: **ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508375
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-L4-X-U-W-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(4) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

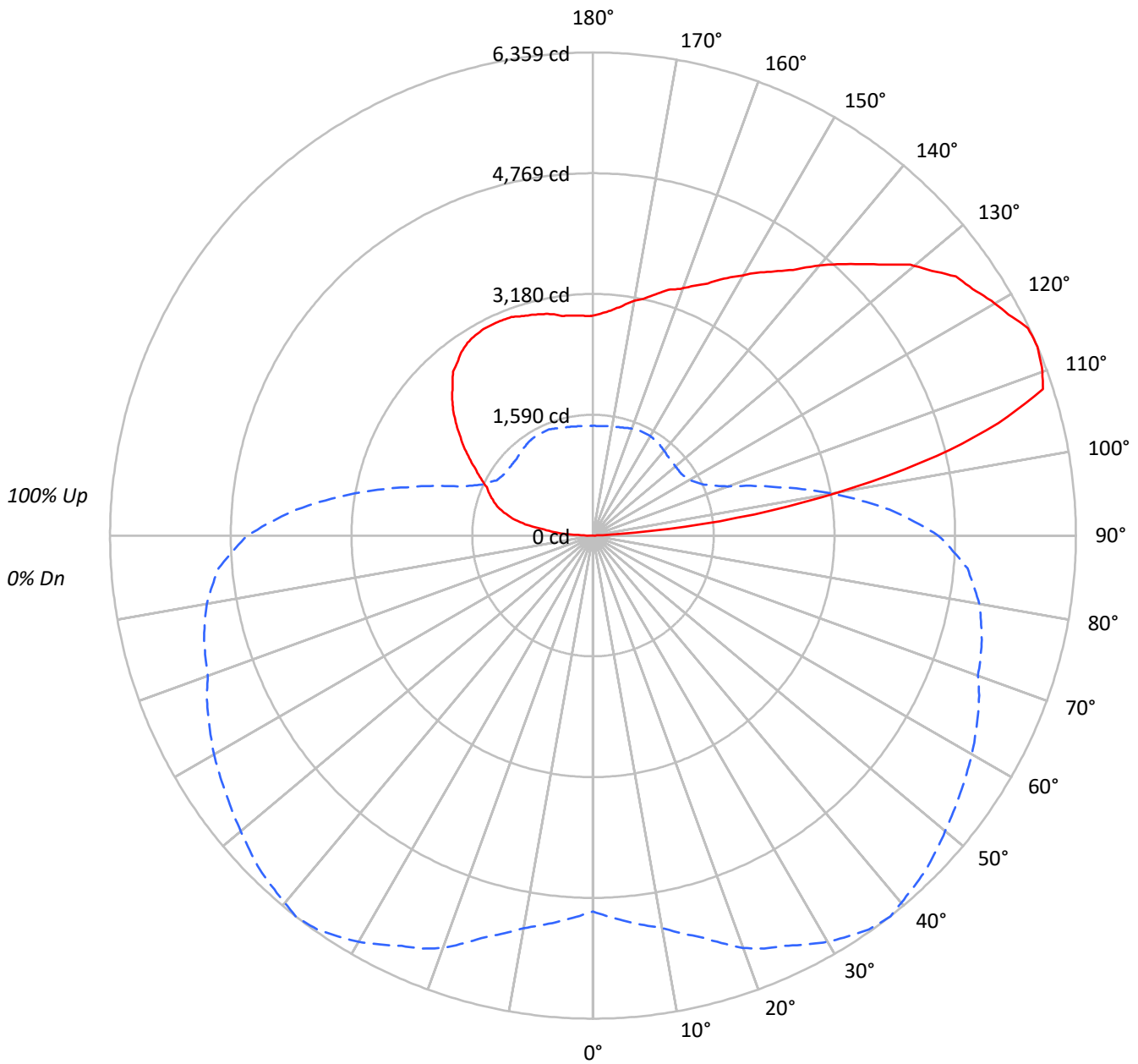
Lumens per Lamp: N/A
Luminaire Lumens: 19118.1 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 214.8
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: P508375
CATALOG NUMBER: ASYX-X-L4-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



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD

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	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°	44374	49401	62801
100°	121029	93712	57152
105°	121239	100091	52443
110°	135057	123107	44164
115°	142454	123459	36778
120°	133541	108731	34152
125°	116666	93002	33969
130°	100357	77198	35193
135°	85141	66254	35811
140°	71445	56393	36961
145°	60399	49620	37060
150°	51401	43985	37159
155°	45009	39374	36153
160°	40537	35877	35179
165°	37170	33770	33694
170°	34530	32159	32307
175°	32304	31352	31206



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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°	782.5	4.1
100°-110°	2832.3	14.8
110°-120°	3818.1	20.0
120°-130°	3633.9	19.0
130°-140°	3027.7	15.8
140°-150°	2293.7	12.0
150°-160°	1560.9	8.2
160°-170°	886.9	4.6
170°-180°	282.1	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°	7432.9	38.9
90°-150°	16388.2	85.7
90°-180°	19118.0	100.0
0°-180°	19118.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	359	1173	400	400	508	639
105°	2915	5952	2407	1064	1261	3162
115°	5593	6088	4847	1539	1444	5393
125°	6217	5566	4956	2068	1810	5548
135°	5593	4793	4352	2624	2352	4334
145°	4596	4088	3776	2983	2820	2908
155°	3790	3593	3315	3091	3044	1771
165°	3336	3234	3030	3010	3024	952
175°	2990	2949	2902	2895	2888	291
180°	2888	2888	2888	2888	2888	



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-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°	54.2	54.2	54.2	61.0	67.8	74.6	74.6	94.9	122.0	128.8	149.1
95°	359.3	413.5	616.9	711.8	718.6	739.0	739.0	935.6	1166.1	1220.3	1274.5
97.5°	962.7	1030.5	1247.4	1416.9	1661.0	1728.8	1810.1	1972.8	2223.7	2372.8	2447.4
100°	1952.5	1966.0	2081.3	2237.2	2501.6	2650.8	2833.8	3281.3	3505.0	3505.0	3423.6
102.5°	2474.5	2488.1	2589.8	2738.9	3050.8	3274.5	3484.6	4027.0	4481.2	4650.7	4718.5
105°	2915.2	2962.6	3071.1	3281.3	3660.9	3911.7	4108.4	4725.3	5254.1	5545.6	5769.3
107.5°	3477.9	3552.4	3735.5	3979.5	4433.8	4725.3	4976.1	5477.8	5938.8	6230.3	6223.5
110°	4291.4	4332.1	4521.9	4840.5	5233.7	5464.2	5620.2	5972.7	6284.6	6311.7	6325.2
112.5°	4949.0	5098.2	5247.3	5471.0	5776.1	5884.6	5959.1	6176.1	6332.0	6359.1	6311.7
115°	5593.1	5647.3	5721.9	5871.0	6013.4	6121.9	6135.4	6250.7	6284.6	6345.6	6237.1
117.5°	5993.0	6020.2	6026.9	6081.2	6155.8	6216.8	6203.2	6237.1	6277.8	6196.4	6142.2
120°	6203.2	6230.3	6182.9	6203.2	6223.5	6237.1	6210.0	6223.5	6149.0	6088.0	6026.9
122.5°	6284.6	6277.8	6230.3	6230.3	6203.2	6196.4	6142.2	6094.7	6040.5	5959.1	5884.6
125°	6216.8	6243.9	6182.9	6135.4	6074.4	6176.1	6040.5	5993.0	5898.1	5871.0	5728.6
127.5°	6128.6	6182.9	6081.2	6033.7	5972.7	5952.4	5871.0	5803.2	5735.4	5660.9	5565.9
130°	5993.0	6013.4	5918.5	5871.0	5810.0	5749.0	5735.4	5586.3	5538.8	5491.4	5362.6
132.5°	5857.5	5823.6	5728.6	5667.6	5593.1	5559.2	5525.3	5396.5	5328.7	5227.0	5159.2
135°	5593.1	5599.8	5511.7	5443.9	5342.2	5342.2	5281.2	5186.3	5098.2	5010.0	4921.9
137.5°	5342.2	5389.7	5260.9	5199.8	5145.6	5104.9	5023.6	4935.4	4840.5	4806.6	4738.8
140°	5084.6	5091.4	4989.7	4935.4	4894.8	4820.2	4772.7	4691.4	4657.5	4596.5	4501.6
142.5°	4860.9	4833.8	4752.4	4691.4	4650.7	4596.5	4569.4	4488.0	4433.8	4379.5	4345.6
145°	4596.5	4589.7	4494.8	4454.1	4420.2	4399.9	4352.4	4291.4	4264.3	4216.8	4216.8
147.5°	4372.8	4338.9	4284.6	4237.2	4196.5	4176.1	4176.1	4067.7	4088.0	4081.2	4020.2
150°	4135.5	4128.7	4054.1	4033.8	3999.9	4013.4	3999.9	3952.4	3952.4	3925.3	3884.6
152.5°	3945.6	3945.6	3884.6	3871.1	3857.5	3850.7	3823.6	3803.3	3803.3	3796.5	3749.0
155°	3789.7	3789.7	3742.3	3735.5	3715.1	3708.4	3694.8	3674.5	3660.9	3647.4	3606.7
157.5°	3660.9	3654.1	3599.9	3606.7	3586.3	3586.3	3579.6	3538.9	3552.4	3545.7	3518.5
160°	3538.9	3532.1	3477.9	3498.2	3484.6	3484.6	3484.6	3457.5	3444.0	3444.0	3383.0
162.5°	3430.4	3444.0	3389.7	3383.0	3389.7	3389.7	3362.6	3342.3	3362.6	3383.0	3321.9
165°	3335.5	3321.9	3301.6	3294.8	3281.3	3267.7	3281.3	3267.7	3254.1	3281.3	3260.9
167.5°	3240.6	3254.1	3213.5	3199.9	3199.9	3227.0	3206.7	3179.6	3193.1	3186.3	3145.7
170°	3159.2	3172.8	3118.6	3118.6	3118.6	3118.6	3098.2	3077.9	3111.8	3125.3	3077.9
172.5°	3077.9	3098.2	3050.8	3044.0	3037.2	3050.8	3037.2	3016.9	3057.5	3037.2	3016.9
175°	2989.7	3023.6	2976.2	2969.4	2983.0	2983.0	2969.4	2955.8	2983.0	2969.4	2955.8
177.5°	2949.1	2949.1	2901.6	2908.4	2908.4	2901.6	2921.9	2915.2	2921.9	2921.9	2949.1
180°	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-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°	155.9	183.0	196.6	108.5	108.5	122.0	115.3	101.7	88.1	81.4	81.4
95°	1172.8	1111.8	1145.7	1030.5	894.9	786.4	779.6	786.4	542.4	406.8	400.0
97.5°	2522.0	2494.8	2284.7	1959.3	1864.4	1871.1	1755.9	1457.6	1220.3	1044.0	901.7
100°	3281.3	3193.1	3098.2	3166.0	2976.2	2827.0	2616.9	2352.5	2074.5	1837.2	1511.8
102.5°	4677.8	4542.2	4196.5	3816.8	3437.2	3301.6	3145.7	2847.4	2555.9	2277.9	1945.7
105°	5952.4	5721.9	5138.8	4596.5	4081.2	3925.3	3721.9	3389.7	3050.8	2772.8	2406.7
107.5°	6257.4	6088.0	5762.5	5396.5	4949.0	4691.4	4501.6	4142.3	3823.6	3444.0	3023.6
110°	6284.6	6115.1	5911.7	5660.9	5443.9	5294.8	5172.7	4901.6	4671.0	4338.9	3911.7
112.5°	6210.0	6054.1	5904.9	5762.5	5593.1	5504.9	5396.5	5301.5	5165.9	4949.0	4549.0
115°	6088.0	5952.4	5816.8	5694.7	5613.4	5572.7	5518.5	5443.9	5369.3	5206.6	4847.3
117.5°	5972.7	5816.8	5694.7	5654.1	5579.5	5518.5	5511.7	5498.1	5450.7	5369.3	5023.6
120°	5857.5	5735.4	5613.4	5525.3	5498.1	5491.4	5491.4	5450.7	5464.2	5396.5	5050.7
122.5°	5674.4	5579.5	5477.8	5437.1	5321.9	5349.0	5362.6	5335.4	5389.7	5342.2	5016.8
125°	5565.9	5471.0	5342.2	5281.2	5260.9	5233.7	5260.9	5213.4	5240.5	5206.6	4955.8
127.5°	5382.9	5260.9	5193.1	5145.6	5132.1	5037.1	5084.6	5091.4	5098.2	5043.9	4820.2
130°	5186.3	5118.5	4962.6	4982.9	4982.9	4949.0	4955.8	4928.7	4915.1	4867.7	4610.0
132.5°	5043.9	4955.8	4854.1	4827.0	4799.9	4793.1	4793.1	4745.6	4745.6	4684.6	4515.1
135°	4793.1	4732.1	4691.4	4664.3	4657.5	4630.4	4630.4	4582.9	4576.1	4521.9	4352.4
137.5°	4616.8	4555.8	4521.9	4501.6	4481.2	4433.8	4460.9	4420.2	4379.5	4366.0	4203.3
140°	4440.5	4393.1	4366.0	4332.1	4325.3	4298.2	4298.2	4250.7	4237.2	4176.1	4013.4
142.5°	4291.4	4264.3	4210.0	4196.5	4149.0	4155.8	4121.9	4128.7	4074.5	4006.7	3877.9
145°	4088.0	4094.8	4067.7	4040.6	4033.8	3993.1	3999.9	3959.2	3925.3	3877.9	3776.2
147.5°	3979.5	3979.5	3938.9	3905.0	3877.9	3871.1	3837.2	3844.0	3789.7	3721.9	3654.1
150°	3837.2	3823.6	3782.9	3762.6	3742.3	3742.3	3708.4	3688.0	3647.4	3627.0	3538.9
152.5°	3735.5	3701.6	3681.2	3640.6	3640.6	3606.7	3579.6	3566.0	3532.1	3491.4	3423.6
155°	3593.1	3579.6	3552.4	3545.7	3518.5	3491.4	3444.0	3437.2	3416.8	3376.2	3315.2
157.5°	3477.9	3498.2	3457.5	3437.2	3396.5	3389.7	3342.3	3349.1	3308.4	3281.3	3227.0
160°	3423.6	3389.7	3349.1	3342.3	3328.7	3274.5	3267.7	3247.4	3220.2	3199.9	3132.1
162.5°	3301.6	3294.8	3274.5	3260.9	3213.5	3213.5	3132.1	3166.0	3145.7	3125.3	3091.4
165°	3233.8	3240.6	3193.1	3179.6	3166.0	3138.9	3118.6	3098.2	3077.9	3064.3	3030.4
167.5°	3145.7	3132.1	3118.6	3091.4	3098.2	3077.9	3057.5	3044.0	3030.4	3016.9	2989.7
170°	3071.1	3064.3	3050.8	3030.4	3037.2	3016.9	3016.9	2989.7	2983.0	2976.2	2942.3
172.5°	3010.1	3010.1	2996.5	2996.5	2989.7	2969.4	2955.8	2942.3	2942.3	2928.7	2921.9
175°	2949.1	2955.8	2949.1	2942.3	2942.3	2928.7	2928.7	2935.5	2921.9	2921.9	2901.6
177.5°	2901.6	2901.6	2901.6	2901.6	2901.6	2901.6	2901.6	2894.8	2901.6	2894.8	2874.5
180°	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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°	88.1	94.9	101.7	108.5	128.8	122.0	142.4	149.1	162.7	189.8	196.6
95°	359.3	359.3	352.5	352.5	339.0	339.0	332.2	325.4	359.3	400.0	454.2
97.5°	739.0	630.5	576.3	555.9	549.1	542.4	528.8	508.5	522.0	555.9	623.7
100°	1247.4	1030.5	854.2	752.5	732.2	698.3	684.7	677.9	677.9	745.7	854.2
102.5°	1613.5	1294.9	1064.4	915.2	874.6	840.7	820.3	820.3	833.9	915.2	1037.3
105°	2040.6	1633.9	1281.3	1084.7	1050.8	1003.4	969.5	976.2	989.8	1064.4	1172.8
107.5°	2555.9	2067.7	1647.4	1342.3	1267.8	1200.0	1145.7	1145.7	1152.5	1200.0	1281.3
110°	3328.7	2698.2	2067.7	1613.5	1491.5	1416.9	1288.1	1288.1	1281.3	1315.2	1369.5
112.5°	3918.5	3186.3	2467.7	1884.7	1715.2	1593.2	1457.6	1416.9	1416.9	1423.7	1457.6
115°	4271.1	3511.8	2745.7	2135.5	1911.8	1762.7	1593.2	1545.7	1525.4	1538.9	1525.4
117.5°	4474.4	3708.4	2983.0	2318.6	2108.4	1938.9	1728.8	1667.7	1633.9	1661.0	1654.2
120°	4576.1	3884.6	3172.8	2508.4	2291.5	2094.9	1871.1	1810.1	1783.0	1783.0	1789.8
122.5°	4589.7	3979.5	3281.3	2677.9	2460.9	2271.1	2040.6	1952.5	1925.4	1932.1	1932.1
125°	4542.2	3966.0	3383.0	2813.5	2603.3	2413.5	2176.2	2101.6	2040.6	2067.7	2074.5
127.5°	4467.7	3932.1	3444.0	2921.9	2732.1	2562.6	2345.7	2257.6	2203.3	2216.9	2210.1
130°	4359.2	3891.4	3498.2	3016.9	2854.2	2684.7	2494.8	2413.5	2338.9	2345.7	2352.5
132.5°	4250.7	3877.9	3525.3	3091.4	2955.8	2813.5	2623.7	2542.3	2474.5	2481.3	2481.3
135°	4135.5	3844.0	3491.4	3138.9	3071.1	2921.9	2766.0	2677.9	2623.7	2623.7	2610.1
137.5°	4013.4	3762.6	3518.5	3233.8	3138.9	3016.9	2860.9	2793.1	2738.9	2732.1	2725.3
140°	3905.0	3674.5	3484.6	3254.1	3186.3	3091.4	2962.6	2908.4	2833.8	2820.3	2860.9
142.5°	3796.5	3633.8	3518.5	3301.6	3233.8	3152.4	3057.5	2983.0	2928.7	2915.2	2908.4
145°	3688.0	3593.1	3464.3	3288.0	3260.9	3179.6	3077.9	3057.5	2996.5	2983.0	2983.0
147.5°	3579.6	3498.2	3403.3	3281.3	3281.3	3213.5	3166.0	3105.0	3057.5	3030.4	3030.4
150°	3484.6	3416.8	3369.4	3274.5	3267.7	3213.5	3172.8	3145.7	3091.4	3077.9	3071.1
152.5°	3396.5	3335.5	3294.8	3233.8	3227.0	3152.4	3166.0	3138.9	3084.7	3071.1	3071.1
155°	3288.0	3281.3	3233.8	3172.8	3199.9	3159.2	3125.3	3159.2	3077.9	3091.4	3091.4
157.5°	3213.5	3206.7	3199.9	3138.9	3145.7	3125.3	3105.0	3132.1	3064.3	3071.1	3071.1
160°	3132.1	3118.6	3118.6	3064.3	3105.0	3064.3	3071.1	3084.7	3044.0	3050.8	3071.1
162.5°	3091.4	3064.3	3064.3	3044.0	3057.5	3044.0	3010.1	3057.5	3050.8	3037.2	3044.0
165°	3023.6	3016.9	3030.4	2989.7	3023.6	2983.0	2996.5	3016.9	3003.3	3010.1	3016.9
167.5°	2983.0	2976.2	2983.0	2962.6	2983.0	2969.4	2962.6	2989.7	2976.2	2983.0	2989.7
170°	2949.1	2949.1	2955.8	2935.5	2955.8	2935.5	2955.8	2955.8	2949.1	2949.1	2962.6
172.5°	2935.5	2915.2	2935.5	2901.6	2935.5	2894.8	2908.4	2928.7	2921.9	2915.2	2915.2
175°	2908.4	2901.6	2921.9	2888.1	2908.4	2888.1	2888.1	2908.4	2901.6	2894.8	2921.9
177.5°	2908.4	2888.1	2908.4	2874.5	2894.8	2881.3	2881.3	2901.6	2888.1	2888.1	2908.4
180°	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-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°	196.6	230.5	237.3	257.6	250.8	210.2	183.0	149.1	128.8
95°	515.2	569.5	623.7	616.9	637.3	596.6	555.9	535.6	508.5
97.5°	691.5	779.6	833.9	833.9	840.7	813.5	800.0	813.5	779.6
100°	976.2	1037.3	1057.6	1050.8	1030.5	983.0	955.9	942.3	922.0
102.5°	1145.7	1213.5	1233.9	1220.3	1206.7	1186.4	1159.3	1145.7	1138.9
105°	1261.0	1322.0	1349.1	1342.3	1335.6	1301.7	1247.4	1267.8	1261.0
107.5°	1369.5	1410.1	1437.2	1416.9	1410.1	1389.8	1355.9	1376.2	1349.1
110°	1437.2	1471.1	1477.9	1477.9	1464.4	1444.0	1416.9	1423.7	1403.3
112.5°	1491.5	1511.8	1511.8	1511.8	1498.3	1471.1	1457.6	1444.0	1444.0
115°	1552.5	1538.9	1545.7	1545.7	1532.2	1491.5	1471.1	1457.6	1444.0
117.5°	1661.0	1640.6	1620.3	1620.3	1586.4	1559.3	1538.9	1518.6	1498.3
120°	1762.7	1749.1	1735.5	1715.2	1694.9	1661.0	1627.1	1600.0	1586.4
122.5°	1898.2	1864.4	1844.0	1857.6	1816.9	1783.0	1742.3	1715.2	1681.3
125°	2047.4	2020.3	1986.4	1972.8	1938.9	1911.8	1877.9	1850.8	1810.1
127.5°	2176.2	2135.5	2122.0	2115.2	2074.5	2040.6	1986.4	1966.0	1966.0
130°	2325.4	2277.9	2284.7	2250.8	2216.9	2162.6	2108.4	2108.4	2101.6
132.5°	2467.7	2413.5	2406.7	2393.1	2352.5	2311.8	2277.9	2271.1	2244.0
135°	2583.0	2542.3	2535.5	2522.0	2488.1	2447.4	2393.1	2406.7	2352.5
137.5°	2684.7	2664.3	2657.5	2630.4	2596.5	2589.8	2528.7	2522.0	2488.1
140°	2799.9	2759.2	2786.4	2752.5	2711.8	2698.2	2616.9	2630.4	2630.4
142.5°	2881.3	2860.9	2854.2	2840.6	2813.5	2786.4	2766.0	2738.9	2752.5
145°	2962.6	2949.1	2935.5	2935.5	2894.8	2881.3	2840.6	2840.6	2820.3
147.5°	3030.4	3003.3	3003.3	2989.7	2969.4	2955.8	2915.2	2935.5	2901.6
150°	3030.4	3044.0	3030.4	3030.4	3037.2	3030.4	2996.5	2983.0	2989.7
152.5°	3084.7	3064.3	3050.8	3077.9	3044.0	3064.3	3016.9	3030.4	3016.9
155°	3057.5	3071.1	3077.9	3064.3	3064.3	3064.3	3044.0	3077.9	3044.0
157.5°	3084.7	3071.1	3077.9	3071.1	3057.5	3077.9	3057.5	3084.7	3064.3
160°	3071.1	3057.5	3071.1	3064.3	3050.8	3077.9	3077.9	3098.2	3071.1
162.5°	3023.6	3037.2	3071.1	3050.8	3050.8	3098.2	3023.6	3091.4	3050.8
165°	3010.1	3016.9	3030.4	3044.0	3016.9	3037.2	3037.2	3044.0	3023.6
167.5°	2996.5	2969.4	2996.5	2996.5	3003.3	3003.3	3003.3	3016.9	2989.7
170°	2969.4	2915.2	2969.4	2969.4	2955.8	2955.8	2949.1	2989.7	2955.8
172.5°	2921.9	2908.4	2928.7	2928.7	2942.3	2935.5	2935.5	2942.3	2921.9
175°	2894.8	2901.6	2928.7	2908.4	2901.6	2908.4	2888.1	2908.4	2888.1
177.5°	2881.3	2881.3	2888.1	2894.8	2908.4	2894.8	2874.5	2894.8	2874.5
180°	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1	2888.1

(END OF REPORT)