

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: P508362

Luminaire Tested: **ASYX-X-L3-X-U-W-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508362
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-L40-1-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

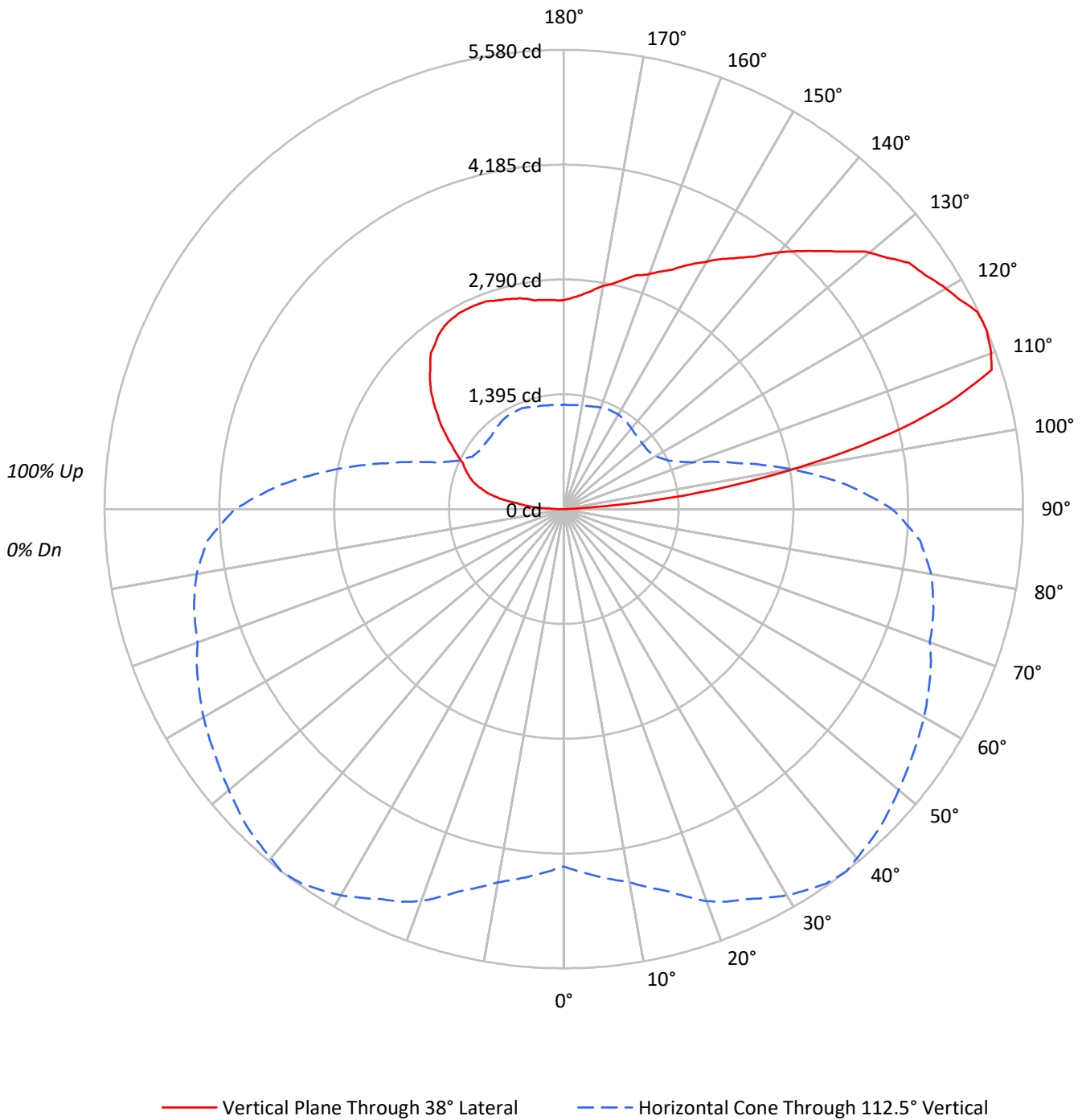
Lumens per Lamp: N/A
Luminaire Lumens: 16776.4 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508362
CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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	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°	38940	43349	55107
100°	106202	82232	50154
105°	106388	87831	46018
110°	118516	108029	38757
115°	125005	108337	32275
120°	117185	95413	29969
125°	102376	81611	29808
130°	88066	67743	30882
135°	74712	58139	31424
140°	62694	49487	32433
145°	53001	43542	32520
150°	45104	38597	32608
155°	39496	34550	31724
160°	35571	31483	30869
165°	32617	29633	29567
170°	30301	28220	28350
175°	28347	27512	27383



TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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°	686.6	4.1
100°-110°	2485.4	14.8
110°-120°	3350.4	20.0
120°-130°	3188.8	19.0
130°-140°	2656.8	15.8
140°-150°	2012.7	12.0
150°-160°	1369.7	8.2
160°-170°	778.3	4.6
170°-180°	247.6	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°	6522.5	38.9
90°-150°	14380.9	85.7
90°-180°	16776.0	100.0
0°-180°	16776.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	315	1029	351	351	446	561
105°	2558	5223	2112	934	1106	2775
115°	4908	5342	4254	1350	1267	4732
125°	5455	4884	4349	1814	1588	4869
135°	4908	4206	3819	2302	2064	3803
145°	4034	3587	3314	2618	2475	2552
155°	3326	3153	2909	2713	2671	1554
165°	2927	2838	2659	2641	2653	835
175°	2624	2588	2546	2540	2534	256
180°	2534	2534	2534	2534	2534	



TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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°	47.6	47.6	47.6	53.5	59.5	65.4	65.4	83.3	107.1	113.0	130.9
95°	315.3	362.9	541.4	624.7	630.6	648.5	648.5	821.0	1023.2	1070.8	1118.4
97.5°	844.8	904.3	1094.6	1243.4	1457.5	1517.0	1588.4	1731.2	1951.3	2082.2	2147.6
100°	1713.3	1725.2	1826.4	1963.2	2195.2	2326.1	2486.7	2879.4	3075.7	3075.7	3004.3
102.5°	2171.4	2183.3	2272.6	2403.4	2677.1	2873.4	3057.8	3533.8	3932.3	4081.1	4140.6
105°	2558.1	2599.8	2694.9	2879.4	3212.5	3432.6	3605.1	4146.5	4610.5	4866.4	5062.7
107.5°	3051.9	3117.3	3277.9	3492.1	3890.7	4146.5	4366.6	4806.9	5211.4	5467.2	5461.3
110°	3765.8	3801.5	3968.0	4247.6	4592.7	4795.0	4931.8	5241.1	5514.8	5538.6	5550.5
112.5°	4342.8	4473.7	4604.6	4800.9	5068.6	5163.8	5229.2	5419.6	5556.4	5580.2	5538.6
115°	4908.0	4955.6	5021.0	5151.9	5276.8	5372.0	5383.9	5485.1	5514.8	5568.3	5473.2
117.5°	5259.0	5282.8	5288.7	5336.3	5401.8	5455.3	5443.4	5473.2	5508.9	5437.5	5389.9
120°	5443.4	5467.2	5425.6	5443.4	5461.3	5473.2	5449.4	5461.3	5395.8	5342.3	5288.7
122.5°	5514.8	5508.9	5467.2	5467.2	5443.4	5437.5	5389.9	5348.2	5300.6	5229.2	5163.8
125°	5455.3	5479.1	5425.6	5383.9	5330.4	5419.6	5300.6	5259.0	5175.7	5151.9	5027.0
127.5°	5378.0	5425.6	5336.3	5294.7	5241.1	5223.3	5151.9	5092.4	5032.9	4967.5	4884.2
130°	5259.0	5276.8	5193.6	5151.9	5098.4	5044.8	5032.9	4902.0	4860.4	4818.8	4705.7
132.5°	5140.0	5110.3	5027.0	4973.4	4908.0	4878.3	4848.5	4735.5	4676.0	4586.7	4527.3
135°	4908.0	4913.9	4836.6	4777.1	4687.9	4687.9	4634.3	4551.1	4473.7	4396.4	4319.0
137.5°	4687.9	4729.5	4616.5	4563.0	4515.4	4479.7	4408.3	4330.9	4247.6	4217.9	4158.4
140°	4461.8	4467.8	4378.5	4330.9	4295.2	4229.8	4188.2	4116.8	4087.0	4033.5	3950.2
142.5°	4265.5	4241.7	4170.3	4116.8	4081.1	4033.5	4009.7	3938.3	3890.7	3843.1	3813.4
145°	4033.5	4027.5	3944.2	3908.6	3878.8	3861.0	3819.3	3765.8	3742.0	3700.3	3700.3
147.5°	3837.2	3807.4	3759.8	3718.2	3682.5	3664.6	3664.6	3569.5	3587.3	3581.4	3527.8
150°	3628.9	3623.0	3557.6	3539.7	3510.0	3521.9	3510.0	3468.3	3468.3	3444.5	3408.8
152.5°	3462.4	3462.4	3408.8	3396.9	3385.0	3379.1	3355.3	3337.4	3337.4	3331.5	3289.8
155°	3325.5	3325.5	3283.9	3277.9	3260.1	3254.2	3242.3	3224.4	3212.5	3200.6	3164.9
157.5°	3212.5	3206.6	3159.0	3164.9	3147.1	3147.1	3141.1	3105.4	3117.3	3111.4	3087.6
160°	3105.4	3099.5	3051.9	3069.7	3057.8	3057.8	3057.8	3034.0	3022.1	3022.1	2968.6
162.5°	3010.2	3022.1	2974.5	2968.6	2974.5	2974.5	2950.7	2932.9	2950.7	2968.6	2915.1
165°	2927.0	2915.1	2897.2	2891.3	2879.4	2867.5	2879.4	2867.5	2855.6	2879.4	2861.5
167.5°	2843.7	2855.6	2819.9	2808.0	2808.0	2831.8	2813.9	2790.1	2802.0	2796.1	2760.4
170°	2772.3	2784.2	2736.6	2736.6	2736.6	2736.6	2718.7	2700.9	2730.6	2742.5	2700.9
172.5°	2700.9	2718.7	2677.1	2671.1	2665.2	2677.1	2665.2	2647.3	2683.0	2665.2	2647.3
175°	2623.5	2653.3	2611.6	2605.7	2617.6	2617.6	2605.7	2593.8	2617.6	2605.7	2593.8
177.5°	2587.9	2587.9	2546.2	2552.2	2552.2	2546.2	2564.1	2558.1	2564.1	2564.1	2587.9
180°	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3



TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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°	136.8	160.6	172.5	95.2	95.2	107.1	101.1	89.2	77.3	71.4	71.4
95°	1029.2	975.7	1005.4	904.3	785.3	690.1	684.1	690.1	475.9	356.9	351.0
97.5°	2213.1	2189.3	2004.8	1719.3	1636.0	1641.9	1540.8	1279.1	1070.8	916.2	791.2
100°	2879.4	2802.0	2718.7	2778.2	2611.6	2480.8	2296.3	2064.3	1820.4	1612.2	1326.6
102.5°	4104.9	3985.9	3682.5	3349.3	3016.2	2897.2	2760.4	2498.6	2242.8	1998.9	1707.4
105°	5223.3	5021.0	4509.4	4033.5	3581.4	3444.5	3266.0	2974.5	2677.1	2433.2	2111.9
107.5°	5491.0	5342.3	5056.7	4735.5	4342.8	4116.8	3950.2	3634.9	3355.3	3022.1	2653.3
110°	5514.8	5366.1	5187.6	4967.5	4777.1	4646.2	4539.2	4301.2	4098.9	3807.4	3432.6
112.5°	5449.4	5312.5	5181.7	5056.7	4908.0	4830.7	4735.5	4652.2	4533.2	4342.8	3991.8
115°	5342.3	5223.3	5104.3	4997.2	4925.8	4890.1	4842.6	4777.1	4711.7	4568.9	4253.6
117.5°	5241.1	5104.3	4997.2	4961.5	4896.1	4842.6	4836.6	4824.7	4783.1	4711.7	4408.3
120°	5140.0	5032.9	4925.8	4848.5	4824.7	4818.8	4818.8	4783.1	4795.0	4735.5	4432.1
122.5°	4979.4	4896.1	4806.9	4771.2	4670.0	4693.8	4705.7	4681.9	4729.5	4687.9	4402.3
125°	4884.2	4800.9	4687.9	4634.3	4616.5	4592.7	4616.5	4574.8	4598.6	4568.9	4348.8
127.5°	4723.6	4616.5	4557.0	4515.4	4503.5	4420.2	4461.8	4467.8	4473.7	4426.1	4229.8
130°	4551.1	4491.6	4354.7	4372.6	4372.6	4342.8	4348.8	4325.0	4313.1	4271.4	4045.4
132.5°	4426.1	4348.8	4259.5	4235.8	4212.0	4206.0	4206.0	4164.4	4164.4	4110.8	3962.1
135°	4206.0	4152.5	4116.8	4093.0	4087.0	4063.2	4063.2	4021.6	4015.6	3968.0	3819.3
137.5°	4051.3	3997.8	3968.0	3950.2	3932.3	3890.7	3914.5	3878.8	3843.1	3831.2	3688.4
140°	3896.7	3855.0	3831.2	3801.5	3795.5	3771.7	3771.7	3730.1	3718.2	3664.6	3521.9
142.5°	3765.8	3742.0	3694.4	3682.5	3640.8	3646.8	3617.0	3623.0	3575.4	3515.9	3402.9
145°	3587.3	3593.2	3569.5	3545.7	3539.7	3504.0	3510.0	3474.3	3444.5	3402.9	3313.6
147.5°	3492.1	3492.1	3456.4	3426.7	3402.9	3396.9	3367.2	3373.1	3325.5	3266.0	3206.6
150°	3367.2	3355.3	3319.6	3301.7	3283.9	3283.9	3254.2	3236.3	3200.6	3182.8	3105.4
152.5°	3277.9	3248.2	3230.4	3194.7	3194.7	3164.9	3141.1	3129.2	3099.5	3063.8	3004.3
155°	3153.0	3141.1	3117.3	3111.4	3087.6	3063.8	3022.1	3016.2	2998.3	2962.6	2909.1
157.5°	3051.9	3069.7	3034.0	3016.2	2980.5	2974.5	2932.9	2938.8	2903.2	2879.4	2831.8
160°	3004.3	2974.5	2938.8	2932.9	2921.0	2873.4	2867.5	2849.6	2825.8	2808.0	2748.5
162.5°	2897.2	2891.3	2873.4	2861.5	2819.9	2819.9	2748.5	2778.2	2760.4	2742.5	2712.8
165°	2837.7	2843.7	2802.0	2790.1	2778.2	2754.4	2736.6	2718.7	2700.9	2689.0	2659.2
167.5°	2760.4	2748.5	2736.6	2712.8	2718.7	2700.9	2683.0	2671.1	2659.2	2647.3	2623.5
170°	2694.9	2689.0	2677.1	2659.2	2665.2	2647.3	2647.3	2623.5	2617.6	2611.6	2581.9
172.5°	2641.4	2641.4	2629.5	2629.5	2623.5	2605.7	2593.8	2581.9	2581.9	2570.0	2564.1
175°	2587.9	2593.8	2587.9	2581.9	2581.9	2570.0	2570.0	2576.0	2564.1	2564.1	2546.2
177.5°	2546.2	2546.2	2546.2	2546.2	2546.2	2546.2	2546.2	2540.3	2546.2	2540.3	2522.4
180°	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3



TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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°	77.3	83.3	89.2	95.2	113.0	107.1	124.9	130.9	142.8	166.6	172.5
95°	315.3	315.3	309.4	309.4	297.5	297.5	291.5	285.6	315.3	351.0	398.6
97.5°	648.5	553.3	505.7	487.8	481.9	475.9	464.0	446.2	458.1	487.8	547.3
100°	1094.6	904.3	749.6	660.3	642.5	612.8	600.9	594.9	594.9	654.4	749.6
102.5°	1415.9	1136.3	934.0	803.1	767.4	737.7	719.8	719.8	731.7	803.1	910.2
105°	1790.7	1433.7	1124.4	951.9	922.1	880.5	850.7	856.7	868.6	934.0	1029.2
107.5°	2242.8	1814.5	1445.6	1177.9	1112.5	1053.0	1005.4	1005.4	1011.3	1053.0	1124.4
110°	2921.0	2367.7	1814.5	1415.9	1308.8	1243.4	1130.3	1130.3	1124.4	1154.1	1201.7
112.5°	3438.6	2796.1	2165.5	1653.8	1505.1	1398.0	1279.1	1243.4	1243.4	1249.3	1279.1
115°	3747.9	3081.6	2409.4	1874.0	1677.6	1546.8	1398.0	1356.4	1338.5	1350.4	1338.5
117.5°	3926.4	3254.2	2617.6	2034.6	1850.2	1701.4	1517.0	1463.5	1433.7	1457.5	1451.6
120°	4015.6	3408.8	2784.2	2201.2	2010.8	1838.3	1641.9	1588.4	1564.6	1564.6	1570.6
122.5°	4027.5	3492.1	2879.4	2349.9	2159.5	1992.9	1790.7	1713.3	1689.5	1695.5	1695.5
125°	3985.9	3480.2	2968.6	2468.9	2284.4	2117.9	1909.7	1844.2	1790.7	1814.5	1820.4
127.5°	3920.4	3450.5	3022.1	2564.1	2397.5	2248.8	2058.4	1981.0	1933.5	1945.4	1939.4
130°	3825.3	3414.8	3069.7	2647.3	2504.6	2355.8	2189.3	2117.9	2052.4	2058.4	2064.3
132.5°	3730.1	3402.9	3093.5	2712.8	2593.8	2468.9	2302.3	2230.9	2171.4	2177.4	2177.4
135°	3628.9	3373.1	3063.8	2754.4	2694.9	2564.1	2427.2	2349.9	2302.3	2302.3	2290.4
137.5°	3521.9	3301.7	3087.6	2837.7	2754.4	2647.3	2510.5	2451.0	2403.4	2397.5	2391.5
140°	3426.7	3224.4	3057.8	2855.6	2796.1	2712.8	2599.8	2552.2	2486.7	2474.8	2510.5
142.5°	3331.5	3188.7	3087.6	2897.2	2837.7	2766.3	2683.0	2617.6	2570.0	2558.1	2552.2
145°	3236.3	3153.0	3040.0	2885.3	2861.5	2790.1	2700.9	2683.0	2629.5	2617.6	2617.6
147.5°	3141.1	3069.7	2986.4	2879.4	2879.4	2819.9	2778.2	2724.7	2683.0	2659.2	2659.2
150°	3057.8	2998.3	2956.7	2873.4	2867.5	2819.9	2784.2	2760.4	2712.8	2700.9	2694.9
152.5°	2980.5	2927.0	2891.3	2837.7	2831.8	2766.3	2778.2	2754.4	2706.8	2694.9	2694.9
155°	2885.3	2879.4	2837.7	2784.2	2808.0	2772.3	2742.5	2772.3	2700.9	2712.8	2712.8
157.5°	2819.9	2813.9	2808.0	2754.4	2760.4	2742.5	2724.7	2748.5	2689.0	2694.9	2694.9
160°	2748.5	2736.6	2736.6	2689.0	2724.7	2689.0	2694.9	2706.8	2671.1	2677.1	2694.9
162.5°	2712.8	2689.0	2689.0	2671.1	2683.0	2671.1	2641.4	2683.0	2677.1	2665.2	2671.1
165°	2653.3	2647.3	2659.2	2623.5	2653.3	2617.6	2629.5	2647.3	2635.4	2641.4	2647.3
167.5°	2617.6	2611.6	2617.6	2599.8	2617.6	2605.7	2599.8	2623.5	2611.6	2617.6	2623.5
170°	2587.9	2587.9	2593.8	2576.0	2593.8	2576.0	2593.8	2593.8	2587.9	2587.9	2599.8
172.5°	2576.0	2558.1	2576.0	2546.2	2576.0	2540.3	2552.2	2570.0	2564.1	2558.1	2558.1
175°	2552.2	2546.2	2564.1	2534.3	2552.2	2534.3	2534.3	2552.2	2546.2	2540.3	2564.1
177.5°	2552.2	2534.3	2552.2	2522.4	2540.3	2528.4	2528.4	2546.2	2534.3	2534.3	2552.2
180°	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3



TEST NUMBER: P508362

CATALOG NUMBER: ASYX-X-L3-X-U-W-L40-1-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°	172.5	202.3	208.2	226.1	220.1	184.4	160.6	130.9	113.0
95°	452.1	499.7	547.3	541.4	559.2	523.5	487.8	470.0	446.2
97.5°	606.8	684.1	731.7	731.7	737.7	713.9	702.0	713.9	684.1
100°	856.7	910.2	928.1	922.1	904.3	862.6	838.8	826.9	809.1
102.5°	1005.4	1064.9	1082.7	1070.8	1058.9	1041.1	1017.3	1005.4	999.4
105°	1106.5	1160.1	1183.9	1177.9	1172.0	1142.2	1094.6	1112.5	1106.5
107.5°	1201.7	1237.4	1261.2	1243.4	1237.4	1219.6	1189.8	1207.7	1183.9
110°	1261.2	1291.0	1296.9	1296.9	1285.0	1267.2	1243.4	1249.3	1231.5
112.5°	1308.8	1326.6	1326.6	1326.6	1314.7	1291.0	1279.1	1267.2	1267.2
115°	1362.3	1350.4	1356.4	1356.4	1344.5	1308.8	1291.0	1279.1	1267.2
117.5°	1457.5	1439.7	1421.8	1421.8	1392.1	1368.3	1350.4	1332.6	1314.7
120°	1546.8	1534.9	1523.0	1505.1	1487.3	1457.5	1427.8	1404.0	1392.1
122.5°	1665.7	1636.0	1618.2	1630.0	1594.4	1564.6	1528.9	1505.1	1475.4
125°	1796.6	1772.8	1743.1	1731.2	1701.4	1677.6	1647.9	1624.1	1588.4
127.5°	1909.7	1874.0	1862.1	1856.1	1820.4	1790.7	1743.1	1725.2	1725.2
130°	2040.5	1998.9	2004.8	1975.1	1945.4	1897.8	1850.2	1850.2	1844.2
132.5°	2165.5	2117.9	2111.9	2100.0	2064.3	2028.6	1998.9	1992.9	1969.1
135°	2266.6	2230.9	2225.0	2213.1	2183.3	2147.6	2100.0	2111.9	2064.3
137.5°	2355.8	2338.0	2332.0	2308.2	2278.5	2272.6	2219.0	2213.1	2183.3
140°	2457.0	2421.3	2445.1	2415.3	2379.6	2367.7	2296.3	2308.2	2308.2
142.5°	2528.4	2510.5	2504.6	2492.7	2468.9	2445.1	2427.2	2403.4	2415.3
145°	2599.8	2587.9	2576.0	2576.0	2540.3	2528.4	2492.7	2492.7	2474.8
147.5°	2659.2	2635.4	2635.4	2623.5	2605.7	2593.8	2558.1	2576.0	2546.2
150°	2659.2	2671.1	2659.2	2659.2	2665.2	2659.2	2629.5	2617.6	2623.5
152.5°	2706.8	2689.0	2677.1	2700.9	2671.1	2689.0	2647.3	2659.2	2647.3
155°	2683.0	2694.9	2700.9	2689.0	2689.0	2689.0	2671.1	2700.9	2671.1
157.5°	2706.8	2694.9	2700.9	2694.9	2683.0	2700.9	2683.0	2706.8	2689.0
160°	2694.9	2683.0	2694.9	2689.0	2677.1	2700.9	2700.9	2718.7	2694.9
162.5°	2653.3	2665.2	2694.9	2677.1	2677.1	2718.7	2653.3	2712.8	2677.1
165°	2641.4	2647.3	2659.2	2671.1	2647.3	2665.2	2665.2	2671.1	2653.3
167.5°	2629.5	2605.7	2629.5	2629.5	2635.4	2635.4	2635.4	2647.3	2623.5
170°	2605.7	2558.1	2605.7	2605.7	2593.8	2593.8	2587.9	2623.5	2593.8
172.5°	2564.1	2552.2	2570.0	2570.0	2581.9	2576.0	2576.0	2581.9	2564.1
175°	2540.3	2546.2	2570.0	2552.2	2546.2	2552.2	2534.3	2552.2	2534.3
177.5°	2528.4	2528.4	2534.3	2540.3	2552.2	2540.3	2522.4	2540.3	2522.4
180°	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3	2534.3

(END OF REPORT)