

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: P508376

Luminaire Tested: **ASYX-X-L4-X-U-W-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508376  
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-L30-1-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: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

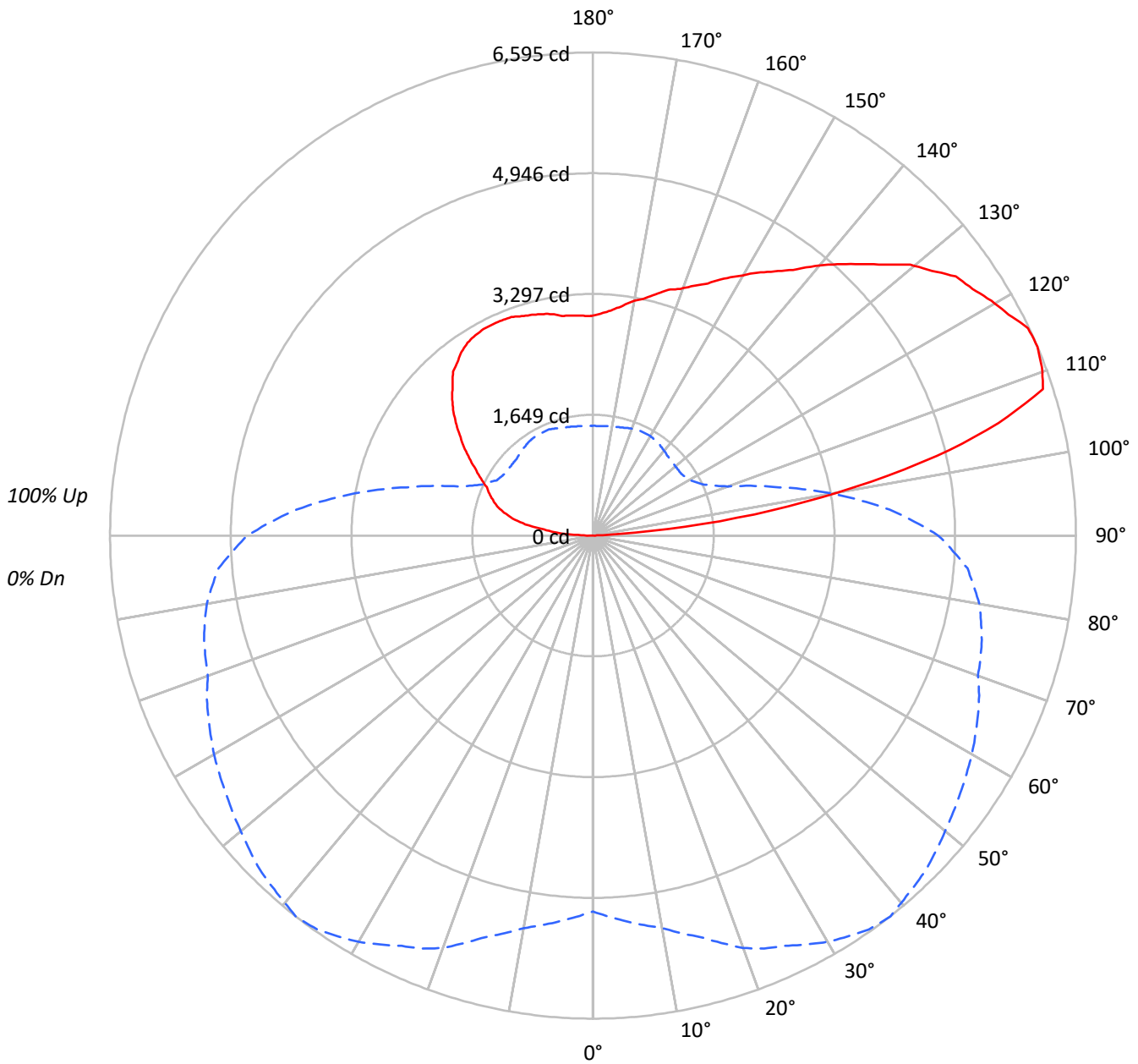
Lumens per Lamp: N/A  
Luminaire Lumens: 19826.2 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Indirect

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: P508376  
CATALOG NUMBER: ASYX-X-L4-X-U-W-L30-1-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	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°	46017	51229	65123
100°	125511	97183	59272
105°	125726	103797	54385
110°	140058	127668	45801
115°	147729	128031	38141
120°	138489	112758	35415
125°	120986	96446	35228
130°	104074	80058	36497
135°	88293	68708	37137
140°	74091	58483	38331
145°	62636	51457	38431
150°	53303	45614	38536
155°	46676	40831	37491
160°	42038	37206	36481
165°	38546	35021	34942
170°	35809	33351	33504
175°	33501	32513	32361



TEST NUMBER: P508376

CATALOG NUMBER: ASYX-X-L4-X-U-W-L30-1-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°	811.5	4.1
100°-110°	2937.2	14.8
110°-120°	3959.5	20.0
120°-130°	3768.5	19.0
130°-140°	3139.8	15.8
140°-150°	2378.6	12.0
150°-160°	1618.7	8.2
160°-170°	919.7	4.6
170°-180°	292.6	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°	7708.2	38.9
90°-150°	16995.1	85.7
90°-180°	19826.0	100.0
0°-180°	19826.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	373	1216	415	415	527	663
105°	3023	6173	2496	1104	1308	3280
115°	5800	6313	5027	1596	1498	5593
125°	6447	5772	5139	2144	1877	5754
135°	5800	4971	4514	2721	2440	4494
145°	4767	4239	3916	3093	2925	3015
155°	3930	3726	3438	3206	3157	1836
165°	3459	3354	3143	3122	3136	987
175°	3100	3058	3009	3002	2995	302
180°	2995	2995	2995	2995	2995	



TEST NUMBER: P508376

CATALOG NUMBER: ASYX-X-L4-X-U-W-L30-1-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°	56.2	56.2	56.2	63.3	70.3	77.3	77.3	98.4	126.5	133.6	154.7
95°	372.6	428.9	639.8	738.2	745.2	766.3	766.3	970.2	1209.3	1265.5	1321.7
97.5°	998.3	1068.6	1293.6	1469.4	1722.5	1792.8	1877.2	2045.9	2306.0	2460.7	2538.0
100°	2024.8	2038.9	2158.4	2320.1	2594.3	2748.9	2938.8	3402.8	3634.8	3634.8	3550.4
102.5°	2566.2	2580.2	2685.7	2840.3	3163.7	3395.8	3613.7	4176.1	4647.2	4823.0	4893.3
105°	3023.1	3072.4	3184.8	3402.8	3796.5	4056.6	4260.5	4900.3	5448.7	5751.0	5983.0
107.5°	3606.7	3684.0	3873.8	4126.9	4598.0	4900.3	5160.4	5680.7	6158.8	6461.1	6454.0
110°	4450.3	4492.5	4689.4	5019.8	5427.6	5666.6	5828.3	6193.9	6517.3	6545.4	6559.5
112.5°	5132.3	5287.0	5441.6	5673.7	5990.0	6102.5	6179.9	6404.8	6566.5	6594.7	6545.4
115°	5800.2	5856.5	5933.8	6088.5	6236.1	6348.6	6362.7	6482.2	6517.3	6580.6	6468.1
117.5°	6215.0	6243.1	6250.2	6306.4	6383.7	6447.0	6433.0	6468.1	6510.3	6425.9	6369.7
120°	6433.0	6461.1	6411.9	6433.0	6454.0	6468.1	6440.0	6454.0	6376.7	6313.4	6250.2
122.5°	6517.3	6510.3	6461.1	6461.1	6433.0	6425.9	6369.7	6320.5	6264.2	6179.9	6102.5
125°	6447.0	6475.1	6411.9	6362.7	6299.4	6404.8	6264.2	6215.0	6116.6	6088.5	5940.8
127.5°	6355.6	6411.9	6306.4	6257.2	6193.9	6172.8	6088.5	6018.2	5947.8	5870.5	5772.1
130°	6215.0	6236.1	6137.7	6088.5	6025.2	5961.9	5947.8	5793.2	5744.0	5694.7	5561.2
132.5°	6074.4	6039.2	5940.8	5877.5	5800.2	5765.1	5729.9	5596.3	5526.0	5420.6	5350.3
135°	5800.2	5807.2	5715.8	5645.5	5540.1	5540.1	5476.8	5378.4	5287.0	5195.6	5104.2
137.5°	5540.1	5589.3	5455.7	5392.4	5336.2	5294.0	5209.6	5118.2	5019.8	4984.7	4914.4
140°	5272.9	5279.9	5174.5	5118.2	5076.1	4998.7	4949.5	4865.1	4830.0	4766.7	4668.3
142.5°	5040.9	5012.8	4928.4	4865.1	4823.0	4766.7	4738.6	4654.2	4598.0	4541.7	4506.6
145°	4766.7	4759.7	4661.3	4619.1	4583.9	4562.8	4513.6	4450.3	4422.2	4373.0	4373.0
147.5°	4534.7	4499.6	4443.3	4394.1	4351.9	4330.8	4330.8	4218.3	4239.4	4232.4	4169.1
150°	4288.6	4281.6	4204.3	4183.2	4148.0	4162.1	4148.0	4098.8	4098.8	4070.7	4028.5
152.5°	4091.8	4091.8	4028.5	4014.4	4000.4	3993.4	3965.2	3944.1	3944.1	3937.1	3887.9
155°	3930.1	3930.1	3880.9	3873.8	3852.7	3845.7	3831.7	3810.6	3796.5	3782.4	3740.3
157.5°	3796.5	3789.5	3733.2	3740.3	3719.2	3719.2	3712.1	3669.9	3684.0	3677.0	3648.9
160°	3669.9	3662.9	3606.7	3627.8	3613.7	3613.7	3613.7	3585.6	3571.5	3571.5	3508.2
162.5°	3557.5	3571.5	3515.3	3508.2	3515.3	3515.3	3487.2	3466.1	3487.2	3508.2	3445.0
165°	3459.0	3445.0	3423.9	3416.8	3402.8	3388.7	3402.8	3388.7	3374.7	3402.8	3381.7
167.5°	3360.6	3374.7	3332.5	3318.4	3318.4	3346.5	3325.5	3297.3	3311.4	3304.4	3262.2
170°	3276.2	3290.3	3234.1	3234.1	3234.1	3234.1	3213.0	3191.9	3227.0	3241.1	3191.9
172.5°	3191.9	3213.0	3163.7	3156.7	3149.7	3163.7	3149.7	3128.6	3170.8	3149.7	3128.6
175°	3100.5	3135.6	3086.4	3079.4	3093.4	3093.4	3079.4	3065.3	3093.4	3079.4	3065.3
177.5°	3058.3	3058.3	3009.1	3016.1	3016.1	3009.1	3030.2	3023.1	3030.2	3030.2	3058.3
180°	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0



TEST NUMBER: P508376

CATALOG NUMBER: ASYX-X-L4-X-U-W-L30-1-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°	161.7	189.8	203.9	112.5	112.5	126.5	119.5	105.5	91.4	84.4	84.4
95°	1216.3	1153.0	1188.2	1068.6	928.0	815.5	808.5	815.5	562.4	421.8	414.8
97.5°	2615.4	2587.2	2369.3	2031.8	1933.4	1940.4	1820.9	1511.6	1265.5	1082.7	935.1
100°	3402.8	3311.4	3213.0	3283.3	3086.4	2931.7	2713.8	2439.6	2151.3	1905.3	1567.8
102.5°	4851.1	4710.5	4351.9	3958.2	3564.5	3423.9	3262.2	2952.8	2650.5	2362.3	2017.8
105°	6172.8	5933.8	5329.2	4766.7	4232.4	4070.7	3859.8	3515.3	3163.7	2875.5	2495.8
107.5°	6489.2	6313.4	5976.0	5596.3	5132.3	4865.1	4668.3	4295.7	3965.2	3571.5	3135.6
110°	6517.3	6341.6	6130.6	5870.5	5645.5	5490.9	5364.3	5083.1	4844.1	4499.6	4056.6
112.5°	6440.0	6278.3	6123.6	5976.0	5800.2	5708.8	5596.3	5497.9	5357.3	5132.3	4717.5
115°	6313.4	6172.8	6032.2	5905.7	5821.3	5779.1	5722.9	5645.5	5568.2	5399.5	5026.8
117.5°	6193.9	6032.2	5905.7	5863.5	5786.1	5722.9	5715.8	5701.8	5652.6	5568.2	5209.6
120°	6074.4	5947.8	5821.3	5729.9	5701.8	5694.7	5694.7	5652.6	5666.6	5596.3	5237.8
122.5°	5884.6	5786.1	5680.7	5638.5	5519.0	5547.1	5561.2	5533.0	5589.3	5540.1	5202.6
125°	5772.1	5673.7	5540.1	5476.8	5455.7	5427.6	5455.7	5406.5	5434.6	5399.5	5139.3
127.5°	5582.3	5455.7	5385.4	5336.2	5322.1	5223.7	5272.9	5279.9	5287.0	5230.7	4998.7
130°	5378.4	5308.1	5146.4	5167.5	5167.5	5132.3	5139.3	5111.2	5097.2	5047.9	4780.8
132.5°	5230.7	5139.3	5033.9	5005.8	4977.6	4970.6	4970.6	4921.4	4921.4	4858.1	4682.3
135°	4970.6	4907.3	4865.1	4837.0	4830.0	4801.9	4801.9	4752.7	4745.6	4689.4	4513.6
137.5°	4787.8	4724.5	4689.4	4668.3	4647.2	4598.0	4626.1	4583.9	4541.7	4527.7	4358.9
140°	4605.0	4555.8	4527.7	4492.5	4485.5	4457.4	4457.4	4408.2	4394.1	4330.8	4162.1
142.5°	4450.3	4422.2	4366.0	4351.9	4302.7	4309.7	4274.6	4281.6	4225.4	4155.1	4021.5
145°	4239.4	4246.5	4218.3	4190.2	4183.2	4141.0	4148.0	4105.8	4070.7	4021.5	3916.0
147.5°	4126.9	4126.9	4084.8	4049.6	4021.5	4014.4	3979.3	3986.3	3930.1	3859.8	3789.5
150°	3979.3	3965.2	3923.0	3902.0	3880.9	3880.9	3845.7	3824.6	3782.4	3761.3	3669.9
152.5°	3873.8	3838.7	3817.6	3775.4	3775.4	3740.3	3712.1	3698.1	3662.9	3620.7	3550.4
155°	3726.2	3712.1	3684.0	3677.0	3648.9	3620.7	3571.5	3564.5	3543.4	3501.2	3437.9
157.5°	3606.7	3627.8	3585.6	3564.5	3522.3	3515.3	3466.1	3473.1	3430.9	3402.8	3346.5
160°	3550.4	3515.3	3473.1	3466.1	3452.0	3395.8	3388.7	3367.6	3339.5	3318.4	3248.1
162.5°	3423.9	3416.8	3395.8	3381.7	3332.5	3332.5	3248.1	3283.3	3262.2	3241.1	3205.9
165°	3353.6	3360.6	3311.4	3297.3	3283.3	3255.1	3234.1	3213.0	3191.9	3177.8	3142.7
167.5°	3262.2	3248.1	3234.1	3205.9	3213.0	3191.9	3170.8	3156.7	3142.7	3128.6	3100.5
170°	3184.8	3177.8	3163.7	3142.7	3149.7	3128.6	3128.6	3100.5	3093.4	3086.4	3051.3
172.5°	3121.6	3121.6	3107.5	3107.5	3100.5	3079.4	3065.3	3051.3	3051.3	3037.2	3030.2
175°	3058.3	3065.3	3058.3	3051.3	3051.3	3037.2	3037.2	3044.2	3030.2	3030.2	3009.1
177.5°	3009.1	3009.1	3009.1	3009.1	3009.1	3009.1	3009.1	3002.0	3009.1	3002.0	2981.0
180°	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0



TEST NUMBER: P508376

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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°	91.4	98.4	105.5	112.5	133.6	126.5	147.6	154.7	168.7	196.9	203.9
95°	372.6	372.6	365.6	365.6	351.5	351.5	344.5	337.5	372.6	414.8	471.0
97.5°	766.3	653.8	597.6	576.5	569.5	562.4	548.4	527.3	541.4	576.5	646.8
100°	1293.6	1068.6	885.8	780.4	759.3	724.1	710.1	703.1	703.1	773.4	885.8
102.5°	1673.3	1342.8	1103.8	949.1	906.9	871.8	850.7	850.7	864.8	949.1	1075.7
105°	2116.2	1694.4	1328.8	1124.9	1089.7	1040.5	1005.4	1012.4	1026.5	1103.8	1216.3
107.5°	2650.5	2144.3	1708.4	1392.0	1314.7	1244.4	1188.2	1188.2	1195.2	1244.4	1328.8
110°	3452.0	2798.2	2144.3	1673.3	1546.7	1469.4	1335.8	1335.8	1328.8	1363.9	1420.2
112.5°	4063.7	3304.4	2559.1	1954.5	1778.7	1652.2	1511.6	1469.4	1469.4	1476.4	1511.6
115°	4429.2	3641.8	2847.4	2214.6	1982.6	1827.9	1652.2	1603.0	1581.9	1595.9	1581.9
117.5°	4640.2	3845.7	3093.4	2404.4	2186.5	2010.7	1792.8	1729.5	1694.4	1722.5	1715.5
120°	4745.6	4028.5	3290.3	2601.3	2376.3	2172.4	1940.4	1877.2	1849.0	1849.0	1856.1
122.5°	4759.7	4126.9	3402.8	2777.1	2552.1	2355.2	2116.2	2024.8	1996.7	2003.7	2003.7
125°	4710.5	4112.9	3508.2	2917.7	2699.7	2502.9	2256.8	2179.5	2116.2	2144.3	2151.3
127.5°	4633.1	4077.7	3571.5	3030.2	2833.3	2657.5	2432.6	2341.2	2284.9	2299.0	2292.0
130°	4520.6	4035.5	3627.8	3128.6	2959.9	2784.1	2587.2	2502.9	2425.5	2432.6	2439.6
132.5°	4408.2	4021.5	3655.9	3205.9	3065.3	2917.7	2720.8	2636.5	2566.2	2573.2	2573.2
135°	4288.6	3986.3	3620.7	3255.1	3184.8	3030.2	2868.5	2777.1	2720.8	2720.8	2706.8
137.5°	4162.1	3902.0	3648.9	3353.6	3255.1	3128.6	2966.9	2896.6	2840.3	2833.3	2826.3
140°	4049.6	3810.6	3613.7	3374.7	3304.4	3205.9	3072.4	3016.1	2938.8	2924.7	2966.9
142.5°	3937.1	3768.4	3648.9	3423.9	3353.6	3269.2	3170.8	3093.4	3037.2	3023.1	3016.1
145°	3824.6	3726.2	3592.6	3409.8	3381.7	3297.3	3191.9	3170.8	3107.5	3093.4	3093.4
147.5°	3712.1	3627.8	3529.3	3402.8	3402.8	3332.5	3283.3	3220.0	3170.8	3142.7	3142.7
150°	3613.7	3543.4	3494.2	3395.8	3388.7	3332.5	3290.3	3262.2	3205.9	3191.9	3184.8
152.5°	3522.3	3459.0	3416.8	3353.6	3346.5	3269.2	3283.3	3255.1	3198.9	3184.8	3184.8
155°	3409.8	3402.8	3353.6	3290.3	3318.4	3276.2	3241.1	3276.2	3191.9	3205.9	3205.9
157.5°	3332.5	3325.5	3318.4	3255.1	3262.2	3241.1	3220.0	3248.1	3177.8	3184.8	3184.8
160°	3248.1	3234.1	3234.1	3177.8	3220.0	3177.8	3184.8	3198.9	3156.7	3163.7	3184.8
162.5°	3205.9	3177.8	3177.8	3156.7	3170.8	3156.7	3121.6	3170.8	3163.7	3149.7	3156.7
165°	3135.6	3128.6	3142.7	3100.5	3135.6	3093.4	3107.5	3128.6	3114.5	3121.6	3128.6
167.5°	3093.4	3086.4	3093.4	3072.4	3093.4	3079.4	3072.4	3100.5	3086.4	3093.4	3100.5
170°	3058.3	3058.3	3065.3	3044.2	3065.3	3044.2	3065.3	3065.3	3058.3	3058.3	3072.4
172.5°	3044.2	3023.1	3044.2	3009.1	3044.2	3002.0	3016.1	3037.2	3030.2	3023.1	3023.1
175°	3016.1	3009.1	3030.2	2995.0	3016.1	2995.0	2995.0	3016.1	3009.1	3002.0	3030.2
177.5°	3016.1	2995.0	3016.1	2981.0	3002.0	2988.0	2988.0	3009.1	2995.0	2995.0	3016.1
180°	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0





TEST NUMBER: P508376

CATALOG NUMBER: ASYX-X-L4-X-U-W-L30-1-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°	203.9	239.0	246.1	267.2	260.1	217.9	189.8	154.7	133.6
95°	534.3	590.6	646.8	639.8	660.9	618.7	576.5	555.4	527.3
97.5°	717.1	808.5	864.8	864.8	871.8	843.7	829.6	843.7	808.5
100°	1012.4	1075.7	1096.8	1089.7	1068.6	1019.4	991.3	977.2	956.2
102.5°	1188.2	1258.5	1279.6	1265.5	1251.4	1230.3	1202.2	1188.2	1181.1
105°	1307.7	1371.0	1399.1	1392.0	1385.0	1349.9	1293.6	1314.7	1307.7
107.5°	1420.2	1462.4	1490.5	1469.4	1462.4	1441.3	1406.1	1427.2	1399.1
110°	1490.5	1525.6	1532.7	1532.7	1518.6	1497.5	1469.4	1476.4	1455.3
112.5°	1546.7	1567.8	1567.8	1567.8	1553.8	1525.6	1511.6	1497.5	1497.5
115°	1610.0	1595.9	1603.0	1603.0	1588.9	1546.7	1525.6	1511.6	1497.5
117.5°	1722.5	1701.4	1680.3	1680.3	1645.1	1617.0	1595.9	1574.8	1553.8
120°	1827.9	1813.9	1799.8	1778.7	1757.6	1722.5	1687.3	1659.2	1645.1
122.5°	1968.6	1933.4	1912.3	1926.4	1884.2	1849.0	1806.9	1778.7	1743.6
125°	2123.2	2095.1	2060.0	2045.9	2010.7	1982.6	1947.5	1919.3	1877.2
127.5°	2256.8	2214.6	2200.6	2193.5	2151.3	2116.2	2060.0	2038.9	2038.9
130°	2411.5	2362.3	2369.3	2334.1	2299.0	2242.7	2186.5	2186.5	2179.5
132.5°	2559.1	2502.9	2495.8	2481.8	2439.6	2397.4	2362.3	2355.2	2327.1
135°	2678.6	2636.5	2629.4	2615.4	2580.2	2538.0	2481.8	2495.8	2439.6
137.5°	2784.1	2763.0	2756.0	2727.9	2692.7	2685.7	2622.4	2615.4	2580.2
140°	2903.6	2861.4	2889.6	2854.4	2812.2	2798.2	2713.8	2727.9	2727.9
142.5°	2988.0	2966.9	2959.9	2945.8	2917.7	2889.6	2868.5	2840.3	2854.4
145°	3072.4	3058.3	3044.2	3044.2	3002.0	2988.0	2945.8	2945.8	2924.7
147.5°	3142.7	3114.5	3114.5	3100.5	3079.4	3065.3	3023.1	3044.2	3009.1
150°	3142.7	3156.7	3142.7	3142.7	3149.7	3142.7	3107.5	3093.4	3100.5
152.5°	3198.9	3177.8	3163.7	3191.9	3156.7	3177.8	3128.6	3142.7	3128.6
155°	3170.8	3184.8	3191.9	3177.8	3177.8	3177.8	3156.7	3191.9	3156.7
157.5°	3198.9	3184.8	3191.9	3184.8	3170.8	3191.9	3170.8	3198.9	3177.8
160°	3184.8	3170.8	3184.8	3177.8	3163.7	3191.9	3191.9	3213.0	3184.8
162.5°	3135.6	3149.7	3184.8	3163.7	3163.7	3213.0	3135.6	3205.9	3163.7
165°	3121.6	3128.6	3142.7	3156.7	3128.6	3149.7	3149.7	3156.7	3135.6
167.5°	3107.5	3079.4	3107.5	3107.5	3114.5	3114.5	3114.5	3128.6	3100.5
170°	3079.4	3023.1	3079.4	3079.4	3065.3	3065.3	3058.3	3100.5	3065.3
172.5°	3030.2	3016.1	3037.2	3037.2	3051.3	3044.2	3044.2	3051.3	3030.2
175°	3002.0	3009.1	3037.2	3016.1	3009.1	3016.1	2995.0	3016.1	2995.0
177.5°	2988.0	2988.0	2995.0	3002.0	3016.1	3002.0	2981.0	3002.0	2981.0
180°	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0	2995.0

(END OF REPORT)