

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: P508471

Luminaire Tested: **ASYX-X-S4-X-U-W-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508471
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-S4-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

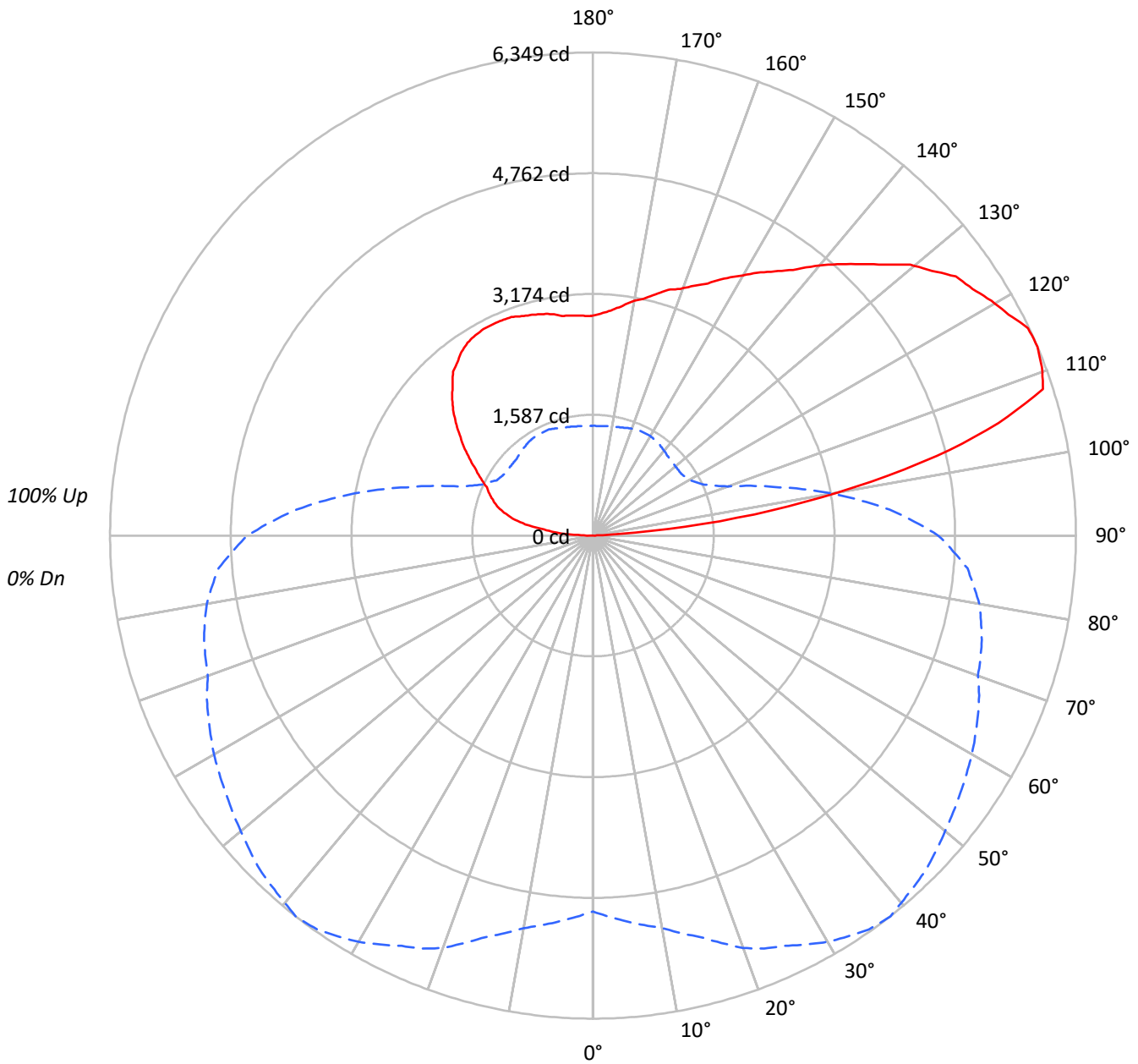
Lumens per Lamp: N/A
Luminaire Lumens: 19086.6 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 215.1
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: P508471
CATALOG NUMBER: ASYX-X-S4-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: P508471

CATALOG NUMBER: ASYX-X-S4-X-U-W-L27-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									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	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°	44300	49314	62690
100°	120831	93557	57059
105°	121039	99925	52356
110°	134834	122906	44092
115°	142217	123255	36717
120°	133322	108552	34096
125°	116473	92848	33913
130°	100193	77070	35136
135°	84999	66145	35752
140°	71327	56301	36900
145°	60300	49538	36998
150°	51316	43913	37098
155°	44935	39308	36093
160°	40471	35819	35120
165°	37108	33714	33639
170°	34473	32106	32254
175°	32251	31300	31154



TEST NUMBER: P508471

CATALOG NUMBER: ASYX-X-S4-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°	781.2	4.1
100°-110°	2827.7	14.8
110°-120°	3811.8	20.0
120°-130°	3628.0	19.0
130°-140°	3022.7	15.8
140°-150°	2289.9	12.0
150°-160°	1558.4	8.2
160°-170°	885.4	4.6
170°-180°	281.7	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°	7420.6	38.9
90°-150°	16361.2	85.7
90°-180°	19087.0	100.0
0°-180°	19086.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	359	1171	399	399	508	638
105°	2910	5943	2403	1063	1259	3157
115°	5584	6078	4839	1536	1442	5384
125°	6206	5557	4948	2064	1807	5539
135°	5584	4785	4345	2619	2349	4327
145°	4589	4081	3770	2978	2816	2903
155°	3784	3587	3310	3086	3039	1768
165°	3330	3228	3025	3005	3019	950
175°	2985	2944	2897	2890	2883	291
180°	2883	2883	2883	2883	2883	



TEST NUMBER: P508471

CATALOG NUMBER: ASYX-X-S4-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°	54.1	54.1	54.1	60.9	67.7	74.5	74.5	94.8	121.8	128.6	148.9
95°	358.7	412.9	615.9	710.7	717.4	737.7	737.7	934.0	1164.1	1218.3	1272.4
97.5°	961.1	1028.8	1245.4	1414.6	1658.2	1725.9	1807.1	1969.6	2220.0	2368.9	2443.4
100°	1949.3	1962.8	2077.9	2233.5	2497.5	2646.4	2829.2	3275.9	3499.2	3499.2	3418.0
102.5°	2470.4	2484.0	2585.5	2734.4	3045.7	3269.1	3478.9	4020.4	4473.8	4643.1	4710.7
105°	2910.4	2957.7	3066.0	3275.9	3654.9	3905.3	4101.6	4717.5	5245.4	5536.5	5759.8
107.5°	3472.1	3546.6	3729.3	3973.0	4426.5	4717.5	4967.9	5468.8	5929.0	6220.1	6213.3
110°	4284.3	4324.9	4514.5	4832.6	5225.1	5455.3	5610.9	5962.9	6274.2	6301.3	6314.8
112.5°	4940.9	5089.8	5238.7	5462.0	5766.6	5874.9	5949.3	6165.9	6321.6	6348.7	6301.3
115°	5583.8	5638.0	5712.4	5861.3	6003.5	6111.8	6125.3	6240.4	6274.2	6335.1	6226.8
117.5°	5983.2	6010.3	6017.0	6071.2	6145.6	6206.5	6193.0	6226.8	6267.4	6186.2	6132.1
120°	6193.0	6220.1	6172.7	6193.0	6213.3	6226.8	6199.8	6213.3	6138.8	6077.9	6017.0
122.5°	6274.2	6267.4	6220.1	6220.1	6193.0	6186.2	6132.1	6084.7	6030.6	5949.3	5874.9
125°	6206.5	6233.6	6172.7	6125.3	6064.4	6165.9	6030.6	5983.2	5888.4	5861.3	5719.2
127.5°	6118.5	6172.7	6071.2	6023.8	5962.9	5942.6	5861.3	5793.7	5726.0	5651.5	5556.8
130°	5983.2	6003.5	5908.7	5861.3	5800.4	5739.5	5726.0	5577.1	5529.7	5482.3	5353.7
132.5°	5847.8	5814.0	5719.2	5658.3	5583.8	5550.0	5516.2	5387.6	5319.9	5218.4	5150.7
135°	5583.8	5590.6	5502.6	5434.9	5333.4	5333.4	5272.5	5177.8	5089.8	5001.8	4913.8
137.5°	5333.4	5380.8	5252.2	5191.3	5137.1	5096.5	5015.3	4927.3	4832.6	4798.7	4731.0
140°	5076.2	5083.0	4981.5	4927.3	4886.7	4812.3	4764.9	4683.7	4649.8	4588.9	4494.2
142.5°	4852.9	4825.8	4744.6	4683.7	4643.1	4588.9	4561.8	4480.6	4426.5	4372.3	4338.5
145°	4588.9	4582.1	4487.4	4446.8	4412.9	4392.6	4345.2	4284.3	4257.3	4209.9	4209.9
147.5°	4365.6	4331.7	4277.6	4230.2	4189.6	4169.3	4169.3	4061.0	4081.3	4074.5	4013.6
150°	4128.7	4121.9	4047.4	4027.1	3993.3	4006.8	3993.3	3945.9	3945.9	3918.8	3878.2
152.5°	3939.2	3939.2	3878.2	3864.7	3851.2	3844.4	3817.3	3797.0	3797.0	3790.2	3742.9
155°	3783.5	3783.5	3736.1	3729.3	3709.0	3702.3	3688.7	3668.4	3654.9	3641.3	3600.7
157.5°	3654.9	3648.1	3594.0	3600.7	3580.4	3580.4	3573.7	3533.1	3546.6	3539.8	3512.7
160°	3533.1	3526.3	3472.1	3492.4	3478.9	3478.9	3478.9	3451.8	3438.3	3438.3	3377.4
162.5°	3424.8	3438.3	3384.2	3377.4	3384.2	3384.2	3357.1	3336.8	3357.1	3377.4	3316.5
165°	3330.0	3316.5	3296.2	3289.4	3275.9	3262.3	3275.9	3262.3	3248.8	3275.9	3255.6
167.5°	3235.2	3248.8	3208.2	3194.6	3194.6	3221.7	3201.4	3174.3	3187.9	3181.1	3140.5
170°	3154.0	3167.6	3113.4	3113.4	3113.4	3113.4	3093.1	3072.8	3106.7	3120.2	3072.8
172.5°	3072.8	3093.1	3045.7	3039.0	3032.2	3045.7	3032.2	3011.9	3052.5	3032.2	3011.9
175°	2984.8	3018.7	2971.3	2964.5	2978.1	2978.1	2964.5	2951.0	2978.1	2964.5	2951.0
177.5°	2944.2	2944.2	2896.8	2903.6	2903.6	2896.8	2917.1	2910.4	2917.1	2917.1	2944.2
180°	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3



TEST NUMBER: P508471

CATALOG NUMBER: ASYX-X-S4-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°	155.7	182.7	196.3	108.3	108.3	121.8	115.1	101.5	88.0	81.2	81.2
95°	1170.9	1110.0	1143.8	1028.8	893.4	785.1	778.4	785.1	541.5	406.1	399.3
97.5°	2517.8	2490.7	2280.9	1956.0	1861.3	1868.1	1753.0	1455.2	1218.3	1042.3	900.2
100°	3275.9	3187.9	3093.1	3160.8	2971.3	2822.4	2612.6	2348.6	2071.1	1834.2	1509.3
102.5°	4670.1	4534.8	4189.6	3810.6	3431.5	3296.2	3140.5	2842.7	2551.6	2274.1	1942.5
105°	5942.6	5712.4	5130.4	4588.9	4074.5	3918.8	3715.8	3384.2	3045.7	2768.2	2402.7
107.5°	6247.1	6077.9	5753.1	5387.6	4940.9	4683.7	4494.2	4135.4	3817.3	3438.3	3018.7
110°	6274.2	6105.0	5902.0	5651.5	5434.9	5286.0	5164.2	4893.5	4663.4	4331.7	3905.3
112.5°	6199.8	6044.1	5895.2	5753.1	5583.8	5495.9	5387.6	5292.8	5157.4	4940.9	4541.5
115°	6077.9	5942.6	5807.2	5685.4	5604.2	5563.5	5509.4	5434.9	5360.5	5198.1	4839.3
117.5°	5962.9	5807.2	5685.4	5644.8	5570.3	5509.4	5502.6	5489.1	5441.7	5360.5	5015.3
120°	5847.8	5726.0	5604.2	5516.2	5489.1	5482.3	5482.3	5441.7	5455.3	5387.6	5042.4
122.5°	5665.1	5570.3	5468.8	5428.2	5313.1	5340.2	5353.7	5326.7	5380.8	5333.4	5008.5
125°	5556.8	5462.0	5333.4	5272.5	5252.2	5225.1	5252.2	5204.8	5231.9	5198.1	4947.6
127.5°	5374.0	5252.2	5184.5	5137.1	5123.6	5028.8	5076.2	5083.0	5089.8	5035.6	4812.3
130°	5177.8	5110.1	4954.4	4974.7	4974.7	4940.9	4947.6	4920.6	4907.0	4859.6	4602.4
132.5°	5035.6	4947.6	4846.1	4819.0	4792.0	4785.2	4785.2	4737.8	4737.8	4676.9	4507.7
135°	4785.2	4724.3	4683.7	4656.6	4649.8	4622.7	4622.7	4575.4	4568.6	4514.5	4345.2
137.5°	4609.2	4548.3	4514.5	4494.2	4473.8	4426.5	4453.5	4412.9	4372.3	4358.8	4196.3
140°	4433.2	4385.9	4358.8	4324.9	4318.2	4291.1	4291.1	4243.7	4230.2	4169.3	4006.8
142.5°	4284.3	4257.3	4203.1	4189.6	4142.2	4149.0	4115.1	4121.9	4067.7	4000.1	3871.5
145°	4081.3	4088.1	4061.0	4033.9	4027.1	3986.5	3993.3	3952.7	3918.8	3871.5	3769.9
147.5°	3973.0	3973.0	3932.4	3898.5	3871.5	3864.7	3830.9	3837.6	3783.5	3715.8	3648.1
150°	3830.9	3817.3	3776.7	3756.4	3736.1	3736.1	3702.3	3682.0	3641.3	3621.0	3533.1
152.5°	3729.3	3695.5	3675.2	3634.6	3634.6	3600.7	3573.7	3560.1	3526.3	3485.7	3418.0
155°	3587.2	3573.7	3546.6	3539.8	3512.7	3485.7	3438.3	3431.5	3411.2	3370.6	3309.7
157.5°	3472.1	3492.4	3451.8	3431.5	3390.9	3384.2	3336.8	3343.5	3302.9	3275.9	3221.7
160°	3418.0	3384.2	3343.5	3336.8	3323.2	3269.1	3262.3	3242.0	3214.9	3194.6	3127.0
162.5°	3296.2	3289.4	3269.1	3255.6	3208.2	3208.2	3127.0	3160.8	3140.5	3120.2	3086.3
165°	3228.5	3235.2	3187.9	3174.3	3160.8	3133.7	3113.4	3093.1	3072.8	3059.3	3025.4
167.5°	3140.5	3127.0	3113.4	3086.3	3093.1	3072.8	3052.5	3039.0	3025.4	3011.9	2984.8
170°	3066.0	3059.3	3045.7	3025.4	3032.2	3011.9	3011.9	2984.8	2978.1	2971.3	2937.4
172.5°	3005.1	3005.1	2991.6	2991.6	2984.8	2964.5	2951.0	2937.4	2937.4	2923.9	2917.1
175°	2944.2	2951.0	2944.2	2937.4	2937.4	2923.9	2923.9	2930.7	2917.1	2917.1	2896.8
177.5°	2896.8	2896.8	2896.8	2896.8	2896.8	2896.8	2896.8	2890.1	2896.8	2890.1	2869.8
180°	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3



TEST NUMBER: P508471

CATALOG NUMBER: ASYX-X-S4-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°	88.0	94.8	101.5	108.3	128.6	121.8	142.1	148.9	162.4	189.5	196.3
95°	358.7	358.7	352.0	352.0	338.4	338.4	331.6	324.9	358.7	399.3	453.5
97.5°	737.7	629.5	575.3	555.0	548.2	541.5	527.9	507.6	521.2	555.0	622.7
100°	1245.4	1028.8	852.8	751.3	731.0	697.1	683.6	676.8	676.8	744.5	852.8
102.5°	1610.9	1292.7	1062.6	913.7	873.1	839.3	819.0	819.0	832.5	913.7	1035.6
105°	2037.3	1631.2	1279.2	1082.9	1049.1	1001.7	967.9	974.6	988.2	1062.6	1170.9
107.5°	2551.6	2064.3	1644.7	1340.1	1265.7	1198.0	1143.8	1143.8	1150.6	1198.0	1279.2
110°	3323.2	2693.8	2064.3	1610.9	1489.0	1414.6	1286.0	1286.0	1279.2	1313.1	1367.2
112.5°	3912.1	3181.1	2463.7	1881.6	1712.4	1590.6	1455.2	1414.6	1414.6	1421.3	1455.2
115°	4264.0	3506.0	2741.2	2132.0	1908.7	1759.8	1590.6	1543.2	1522.9	1536.4	1522.9
117.5°	4467.1	3702.3	2978.1	2314.8	2104.9	1935.7	1725.9	1665.0	1631.2	1658.2	1651.5
120°	4568.6	3878.2	3167.6	2504.3	2287.7	2091.4	1868.1	1807.1	1780.1	1780.1	1786.8
122.5°	4582.1	3973.0	3275.9	2673.5	2456.9	2267.4	2037.3	1949.3	1922.2	1929.0	1929.0
125°	4534.8	3959.5	3377.4	2808.8	2599.0	2409.5	2172.6	2098.2	2037.3	2064.3	2071.1
127.5°	4460.3	3925.6	3438.3	2917.1	2727.6	2558.4	2341.8	2253.8	2199.7	2213.2	2206.5
130°	4352.0	3885.0	3492.4	3011.9	2849.5	2680.2	2490.7	2409.5	2335.1	2341.8	2348.6
132.5°	4243.7	3871.5	3519.5	3086.3	2951.0	2808.8	2619.3	2538.1	2470.4	2477.2	2477.2
135°	4128.7	3837.6	3485.7	3133.7	3066.0	2917.1	2761.5	2673.5	2619.3	2619.3	2605.8
137.5°	4006.8	3756.4	3512.7	3228.5	3133.7	3011.9	2856.2	2788.5	2734.4	2727.6	2720.9
140°	3898.5	3668.4	3478.9	3248.8	3181.1	3086.3	2957.7	2903.6	2829.2	2815.6	2856.2
142.5°	3790.2	3627.8	3512.7	3296.2	3228.5	3147.3	3052.5	2978.1	2923.9	2910.4	2903.6
145°	3682.0	3587.2	3458.6	3282.6	3255.6	3174.3	3072.8	3052.5	2991.6	2978.1	2978.1
147.5°	3573.7	3492.4	3397.7	3275.9	3275.9	3208.2	3160.8	3099.9	3052.5	3025.4	3025.4
150°	3478.9	3411.2	3363.8	3269.1	3262.3	3208.2	3167.6	3140.5	3086.3	3072.8	3066.0
152.5°	3390.9	3330.0	3289.4	3228.5	3221.7	3147.3	3160.8	3133.7	3079.6	3066.0	3066.0
155°	3282.6	3275.9	3228.5	3167.6	3194.6	3154.0	3120.2	3154.0	3072.8	3086.3	3086.3
157.5°	3208.2	3201.4	3194.6	3133.7	3140.5	3120.2	3099.9	3127.0	3059.3	3066.0	3066.0
160°	3127.0	3113.4	3113.4	3059.3	3099.9	3059.3	3066.0	3079.6	3039.0	3045.7	3066.0
162.5°	3086.3	3059.3	3059.3	3039.0	3052.5	3039.0	3005.1	3052.5	3045.7	3032.2	3039.0
165°	3018.7	3011.9	3025.4	2984.8	3018.7	2978.1	2991.6	3011.9	2998.4	3005.1	3011.9
167.5°	2978.1	2971.3	2978.1	2957.7	2978.1	2964.5	2957.7	2984.8	2971.3	2978.1	2984.8
170°	2944.2	2944.2	2951.0	2930.7	2951.0	2930.7	2951.0	2951.0	2944.2	2944.2	2957.7
172.5°	2930.7	2910.4	2930.7	2896.8	2930.7	2890.1	2903.6	2923.9	2917.1	2910.4	2910.4
175°	2903.6	2896.8	2917.1	2883.3	2903.6	2883.3	2883.3	2903.6	2896.8	2890.1	2917.1
177.5°	2903.6	2883.3	2903.6	2869.8	2890.1	2876.5	2876.5	2896.8	2883.3	2883.3	2903.6
180°	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3



TEST NUMBER: P508471

CATALOG NUMBER: ASYX-X-S4-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°	196.3	230.1	236.9	257.2	250.4	209.8	182.7	148.9	128.6
95°	514.4	568.5	622.7	615.9	636.2	595.6	555.0	534.7	507.6
97.5°	690.4	778.4	832.5	832.5	839.3	812.2	798.7	812.2	778.4
100°	974.6	1035.6	1055.9	1049.1	1028.8	981.4	954.3	940.8	920.5
102.5°	1143.8	1211.5	1231.8	1218.3	1204.8	1184.5	1157.4	1143.8	1137.1
105°	1258.9	1319.8	1346.9	1340.1	1333.4	1299.5	1245.4	1265.7	1258.9
107.5°	1367.2	1407.8	1434.9	1414.6	1407.8	1387.5	1353.7	1374.0	1346.9
110°	1434.9	1468.7	1475.5	1475.5	1462.0	1441.6	1414.6	1421.3	1401.0
112.5°	1489.0	1509.3	1509.3	1509.3	1495.8	1468.7	1455.2	1441.6	1441.6
115°	1549.9	1536.4	1543.2	1543.2	1529.6	1489.0	1468.7	1455.2	1441.6
117.5°	1658.2	1637.9	1617.6	1617.6	1583.8	1556.7	1536.4	1516.1	1495.8
120°	1759.8	1746.2	1732.7	1712.4	1692.1	1658.2	1624.4	1597.3	1583.8
122.5°	1895.1	1861.3	1841.0	1854.5	1813.9	1780.1	1739.5	1712.4	1678.5
125°	2044.0	2017.0	1983.1	1969.6	1935.7	1908.7	1874.8	1847.7	1807.1
127.5°	2172.6	2132.0	2118.5	2111.7	2071.1	2037.3	1983.1	1962.8	1962.8
130°	2321.5	2274.1	2280.9	2247.1	2213.2	2159.1	2104.9	2104.9	2098.2
132.5°	2463.7	2409.5	2402.7	2389.2	2348.6	2308.0	2274.1	2267.4	2240.3
135°	2578.7	2538.1	2531.3	2517.8	2484.0	2443.4	2389.2	2402.7	2348.6
137.5°	2680.2	2659.9	2653.2	2626.1	2592.3	2585.5	2524.6	2517.8	2484.0
140°	2795.3	2754.7	2781.8	2747.9	2707.3	2693.8	2612.6	2626.1	2626.1
142.5°	2876.5	2856.2	2849.5	2835.9	2808.8	2781.8	2761.5	2734.4	2747.9
145°	2957.7	2944.2	2930.7	2930.7	2890.1	2876.5	2835.9	2835.9	2815.6
147.5°	3025.4	2998.4	2998.4	2984.8	2964.5	2951.0	2910.4	2930.7	2896.8
150°	3025.4	3039.0	3025.4	3025.4	3032.2	3025.4	2991.6	2978.1	2984.8
152.5°	3079.6	3059.3	3045.7	3072.8	3039.0	3059.3	3011.9	3025.4	3011.9
155°	3052.5	3066.0	3072.8	3059.3	3059.3	3059.3	3039.0	3072.8	3039.0
157.5°	3079.6	3066.0	3072.8	3066.0	3052.5	3072.8	3052.5	3079.6	3059.3
160°	3066.0	3052.5	3066.0	3059.3	3045.7	3072.8	3072.8	3093.1	3066.0
162.5°	3018.7	3032.2	3066.0	3045.7	3045.7	3093.1	3018.7	3086.3	3045.7
165°	3005.1	3011.9	3025.4	3039.0	3011.9	3032.2	3032.2	3039.0	3018.7
167.5°	2991.6	2964.5	2991.6	2991.6	2998.4	2998.4	2998.4	3011.9	2984.8
170°	2964.5	2910.4	2964.5	2964.5	2951.0	2951.0	2944.2	2984.8	2951.0
172.5°	2917.1	2903.6	2923.9	2923.9	2937.4	2930.7	2930.7	2937.4	2917.1
175°	2890.1	2896.8	2923.9	2903.6	2896.8	2903.6	2883.3	2903.6	2883.3
177.5°	2876.5	2876.5	2883.3	2890.1	2903.6	2890.1	2869.8	2890.1	2869.8
180°	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3	2883.3

(END OF REPORT)