

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: P508443

Luminaire Tested: **ASYX-X-S3-X-U-F-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-1)
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-F-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(3) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

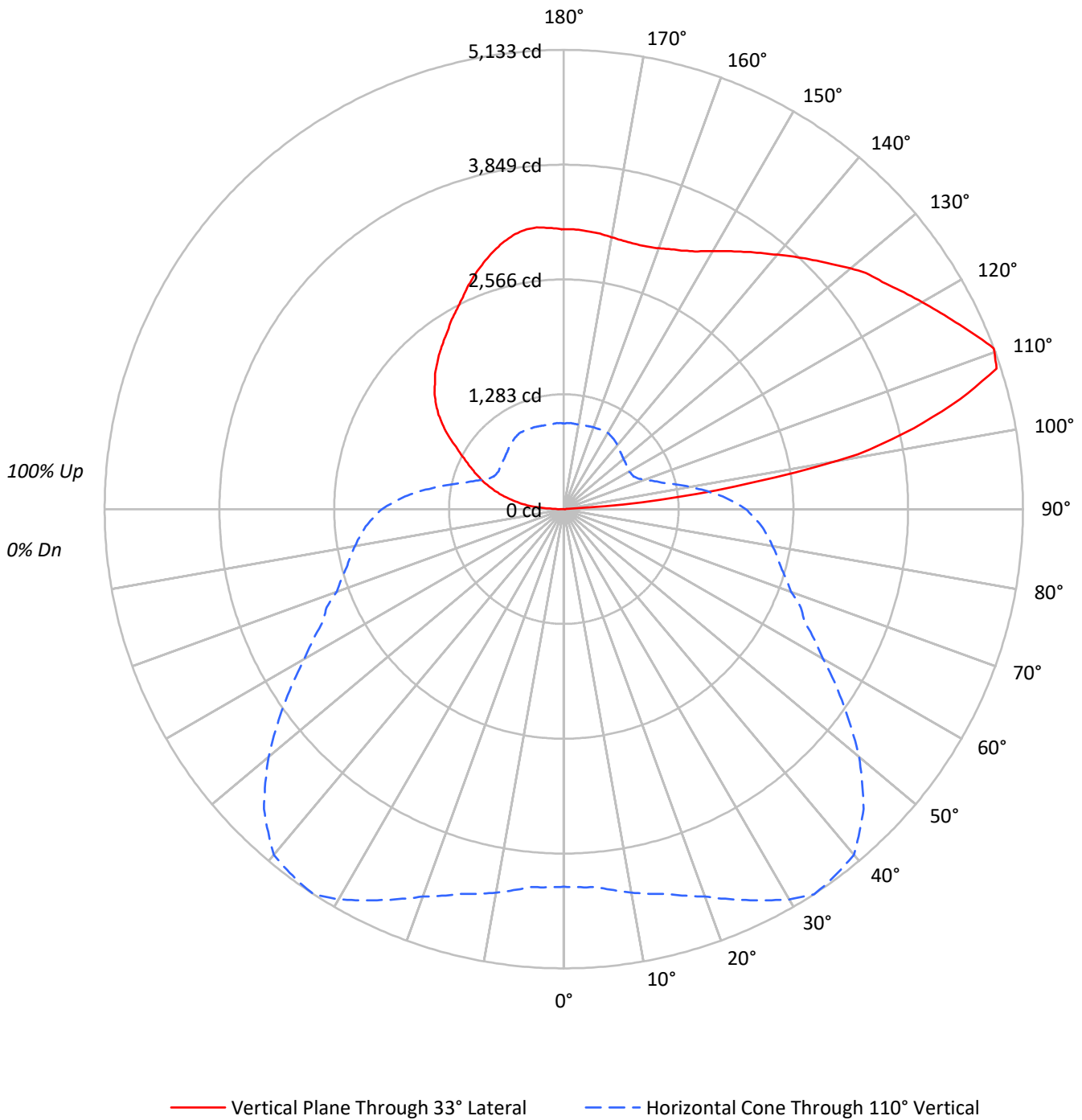
Lumens per Lamp: N/A
Luminaire Lumens: 14852.1 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508443
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Luminous Intensity Polar Plot





TEST NUMBER: P508443

CATALOG NUMBER: ASYX-X-S3-X-U-F-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°	72175	27697	60434
100°	183242	58978	49705
105°	178055	65289	42393
110°	177088	85338	40208
115°	154393	96757	36866
120°	128306	95096	35550
125°	109295	88635	36219
130°	93430	81255	38238
135°	80381	74690	38689
140°	70090	68943	38577
145°	61616	63582	38845
150°	54058	59380	38855
155°	49638	55690	39388
160°	45929	51922	40713
165°	44378	49149	42711
170°	44195	46943	44492
175°	45233	45453	44865



TEST NUMBER: P508443

CATALOG NUMBER: ASYX-X-S3-X-U-F-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°	539.1	3.6
100°-110°	1988.4	13.4
110°-120°	2698.0	18.2
120°-130°	2686.0	18.1
130°-140°	2391.2	16.1
140°-150°	1943.1	13.1
150°-160°	1426.8	9.6
160°-170°	880.5	5.9
170°-180°	299.1	2.0
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°	5225.5	35.2
90°-150°	12245.8	82.5
90°-180°	14852.0	100.0
0°-180°	14852.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	438	647	168	255	367	726
105°	3211	4312	1177	693	764	3417
115°	4546	4679	2849	1106	1086	4446
125°	4368	4368	3542	1570	1448	3904
135°	3960	3976	3680	1983	1906	3085
145°	3517	3527	3629	2350	2217	2212
155°	3135	3242	3517	2757	2487	1447
165°	2987	3094	3308	3063	2875	853
175°	3140	3109	3155	3155	3114	295
180°	3130	3130	3130	3130	3130	



TEST NUMBER: P508443

CATALOG NUMBER: ASYX-X-S3-X-U-F-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	33°	35°	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°	25.5	25.5	25.5	30.6	35.7	35.7	45.9	51.0	45.9	66.3	76.5
95°	438.3	504.6	723.8	861.4	851.2	805.3	856.3	1004.1	1080.5	983.7	835.9
97.5°	1100.9	1141.7	1595.3	1809.4	1998.0	2089.7	2171.3	2105.0	2140.7	2120.3	1931.7
100°	2217.1	2349.7	2507.7	2726.8	2997.0	3190.6	3338.5	3455.7	3343.6	3165.2	2645.3
102.5°	2839.0	2884.8	2991.9	3104.0	3394.5	3537.2	3685.0	3939.9	4016.3	3980.7	3700.3
105°	3211.0	3236.5	3338.5	3506.7	3730.9	3888.9	4072.4	4403.7	4597.4	4617.8	4638.2
107.5°	3679.9	3736.0	3858.3	3965.4	4230.4	4413.9	4577.0	4918.5	5086.7	5096.9	5025.5
110°	4220.2	4240.6	4352.7	4454.7	4607.6	4714.6	4821.6	5035.7	5132.6	5117.3	5045.9
112.5°	4510.7	4536.2	4577.0	4612.7	4684.0	4729.9	4796.2	4933.8	4989.8	5005.1	4933.8
115°	4546.4	4546.4	4577.0	4582.1	4663.6	4663.6	4694.2	4826.7	4852.2	4872.6	4831.8
117.5°	4515.8	4526.0	4546.4	4536.2	4571.9	4622.9	4612.7	4694.2	4724.8	4709.5	4724.8
120°	4470.0	4459.8	4500.5	4480.2	4505.6	4536.2	4515.8	4577.0	4602.5	4592.3	4643.3
122.5°	4424.1	4424.1	4439.4	4434.3	4424.1	4413.9	4419.0	4459.8	4485.3	4480.2	4510.7
125°	4368.0	4362.9	4357.8	4337.4	4362.9	4347.6	4322.2	4352.7	4373.1	4362.9	4393.5
127.5°	4276.3	4281.4	4271.2	4261.0	4230.4	4225.3	4250.8	4235.5	4286.5	4255.9	4286.5
130°	4184.5	4184.5	4174.3	4154.0	4143.8	4123.4	4118.3	4128.5	4159.1	4169.2	4123.4
132.5°	4113.2	4077.5	4052.0	4036.7	4036.7	4016.3	4006.1	4016.3	4031.6	4057.1	4062.2
135°	3960.3	3939.9	3939.9	3919.5	3950.1	3904.2	3894.0	3909.3	3914.4	3914.4	3945.0
137.5°	3873.6	3822.7	3802.3	3797.2	3792.1	3776.8	3776.8	3797.2	3802.3	3797.2	3822.7
140°	3741.1	3685.0	3705.4	3679.9	3685.0	3659.6	3669.8	3669.8	3690.1	3690.1	3715.6
142.5°	3664.7	3583.1	3572.9	3557.6	3562.7	3552.5	3603.5	3567.8	3588.2	3623.9	3608.6
145°	3516.8	3450.6	3465.9	3450.6	3455.7	3445.5	3471.0	3465.9	3491.4	3486.3	3511.8
147.5°	3358.8	3353.7	3358.8	3348.6	3358.8	3348.6	3379.2	3374.1	3399.6	3414.9	3420.0
150°	3262.0	3241.6	3246.7	3256.9	3246.7	3267.1	3267.1	3287.5	3313.0	3318.1	3338.5
152.5°	3160.1	3155.0	3180.5	3165.2	3175.4	3175.4	3190.6	3195.7	3231.4	3236.5	3287.5
155°	3134.6	3088.7	3088.7	3083.6	3109.1	3109.1	3129.5	3160.1	3175.4	3200.8	3205.9
157.5°	3042.8	3037.7	3037.7	3058.1	3032.6	3063.2	3109.1	3093.8	3134.6	3139.7	3160.1
160°	3007.2	2991.9	3002.1	3012.3	3012.3	3037.7	3073.4	3068.3	3093.8	3124.4	3129.5
162.5°	3027.5	2976.6	2981.7	3007.2	2997.0	3032.6	3037.7	3047.9	3073.4	3083.6	3114.2
165°	2986.8	2971.5	2961.3	2971.5	3002.1	3017.4	3032.6	3042.8	3068.3	3073.4	3088.7
167.5°	3002.1	2997.0	2997.0	3007.2	3027.5	3027.5	3053.0	3047.9	3073.4	3073.4	3083.6
170°	3032.6	3017.4	3027.5	3047.9	3012.3	3068.3	3063.2	3047.9	3088.7	3088.7	3104.0
172.5°	3073.4	3058.1	3063.2	3063.2	3063.2	3093.8	3098.9	3104.0	3109.1	3104.0	3104.0
175°	3139.7	3098.9	3093.8	3093.8	3104.0	3104.0	3114.2	3088.7	3119.3	3119.3	3114.2
177.5°	3124.4	3109.1	3134.6	3109.1	3098.9	3119.3	3134.6	3114.2	3129.5	3114.2	3129.5
180°	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5



TEST NUMBER: P508443

CATALOG NUMBER: ASYX-X-S3-X-U-F-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°	66.3	66.3	66.3	61.2	56.1	56.1	56.1	56.1	51.0	45.9	45.9
95°	647.3	514.8	468.9	387.4	326.2	300.7	259.9	259.9	193.7	158.0	168.2
97.5°	1625.9	1264.0	1004.1	759.4	723.8	677.9	672.8	570.9	504.6	458.7	397.6
100°	2110.1	1732.9	1503.6	1376.2	1208.0	1131.5	1075.4	968.4	902.1	810.4	713.6
102.5°	3134.6	2604.5	2156.0	1778.8	1524.0	1416.9	1345.6	1233.4	1151.9	1060.2	937.8
105°	4312.0	3567.8	2818.6	2252.8	1911.3	1773.7	1651.4	1539.3	1432.2	1289.5	1177.4
107.5°	4628.0	4087.7	3521.9	2889.9	2415.9	2278.3	2135.6	1947.0	1804.3	1682.0	1488.3
110°	4740.1	4306.9	3817.6	3348.6	2966.4	2869.5	2701.3	2512.8	2370.0	2222.2	2033.7
112.5°	4694.2	4424.1	4031.6	3613.7	3302.8	3205.9	3083.6	2966.4	2889.9	2777.8	2528.1
115°	4678.9	4459.8	4184.5	3812.5	3532.1	3425.1	3328.3	3221.2	3200.8	3124.4	2849.2
117.5°	4612.7	4464.9	4255.9	3955.2	3705.4	3634.1	3537.2	3450.6	3440.4	3363.9	3124.4
120°	4566.8	4444.5	4266.1	4067.3	3853.2	3776.8	3695.2	3629.0	3598.4	3542.3	3313.0
122.5°	4459.8	4413.9	4276.3	4108.1	3914.4	3878.7	3802.3	3690.1	3741.1	3679.9	3460.8
125°	4368.0	4342.5	4306.9	4103.0	3965.4	3919.5	3863.4	3797.2	3812.5	3771.7	3542.3
127.5°	4271.2	4266.1	4240.6	4118.3	3990.9	3970.5	3904.2	3853.2	3843.0	3802.3	3598.4
130°	4194.7	4189.6	4154.0	4072.4	3990.9	3985.8	3919.5	3878.7	3873.6	3838.0	3639.2
132.5°	4082.6	4082.6	4103.0	4021.4	3970.5	3955.2	3924.6	3873.6	3888.9	3812.5	3659.6
135°	3975.6	3980.7	3996.0	3955.2	3985.8	3929.7	3899.1	3832.9	3863.4	3832.9	3679.9
137.5°	3853.2	3868.5	3899.1	3883.8	3899.1	3904.2	3863.4	3848.1	3848.1	3817.6	3674.9
140°	3705.4	3766.6	3822.7	3817.6	3848.1	3843.0	3827.8	3756.4	3822.7	3802.3	3679.9
142.5°	3639.2	3674.9	3741.1	3725.8	3792.1	3792.1	3781.9	3776.8	3792.1	3756.4	3659.6
145°	3527.0	3583.1	3634.1	3664.7	3705.4	3746.2	3730.9	3741.1	3746.2	3746.2	3629.0
147.5°	3455.7	3516.8	3583.1	3593.3	3664.7	3674.9	3679.9	3695.2	3725.8	3685.0	3639.2
150°	3379.2	3420.0	3496.5	3527.0	3603.5	3618.8	3613.7	3634.1	3685.0	3654.5	3583.1
152.5°	3262.0	3348.6	3414.9	3460.8	3516.8	3552.5	3557.6	3557.6	3603.5	3603.5	3562.7
155°	3241.6	3287.5	3348.6	3394.5	3455.7	3491.4	3496.5	3496.5	3542.3	3527.0	3516.8
157.5°	3195.7	3256.9	3307.9	3323.2	3399.6	3430.2	3430.2	3440.4	3481.2	3491.4	3455.7
160°	3165.2	3195.7	3256.9	3302.8	3343.6	3379.2	3384.3	3394.5	3420.0	3414.9	3399.6
162.5°	3119.3	3165.2	3221.2	3246.7	3292.6	3328.3	3323.2	3323.2	3369.0	3379.2	3358.8
165°	3093.8	3144.8	3211.0	3226.3	3256.9	3277.3	3272.2	3287.5	3328.3	3318.1	3307.9
167.5°	3104.0	3129.5	3185.5	3180.5	3216.1	3231.4	3231.4	3221.2	3246.7	3211.0	3241.6
170°	3119.3	3119.3	3149.9	3160.1	3190.6	3205.9	3190.6	3190.6	3205.9	3216.1	3221.2
172.5°	3124.4	3119.3	3144.8	3139.7	3149.9	3175.4	3160.1	3139.7	3170.3	3190.6	3165.2
175°	3109.1	3114.2	3155.0	3144.8	3129.5	3155.0	3129.5	3124.4	3170.3	3165.2	3155.0
177.5°	3093.8	3093.8	3119.3	3098.9	3134.6	3134.6	3109.1	3109.1	3160.1	3124.4	3114.2
180°	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5



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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°	51.0	56.1	61.2	71.4	76.5	81.6	91.7	101.9	117.2	117.2	137.6
95°	163.1	168.2	168.2	178.4	183.5	183.5	188.6	209.0	229.4	254.8	300.7
97.5°	346.6	305.8	295.6	295.6	300.7	300.7	305.8	316.0	331.3	361.9	407.8
100°	611.6	519.9	453.6	417.9	407.8	402.7	407.8	407.8	433.2	474.0	525.0
102.5°	800.2	677.9	565.8	514.8	494.4	499.5	494.4	504.6	540.3	575.9	632.0
105°	1009.2	851.2	708.5	632.0	601.4	596.3	596.3	606.5	647.3	693.2	734.0
107.5°	1294.6	1095.8	886.9	774.7	728.9	718.7	718.7	734.0	759.4	790.0	835.9
110°	1753.3	1427.1	1136.6	958.2	897.1	861.4	841.0	856.3	871.6	897.1	932.7
112.5°	2181.5	1778.8	1396.5	1126.4	1044.9	988.8	958.2	958.2	978.6	999.0	1024.5
115°	2477.1	2028.6	1615.7	1299.7	1182.5	1131.5	1065.2	1070.3	1085.6	1106.0	1121.3
117.5°	2742.1	2263.0	1799.2	1462.8	1330.3	1248.7	1182.5	1167.2	1197.8	1223.3	1233.4
120°	2930.7	2466.9	1982.7	1631.0	1478.1	1386.4	1294.6	1279.3	1309.9	1315.0	1366.0
122.5°	3088.7	2614.7	2140.7	1778.8	1615.7	1539.3	1427.1	1406.7	1427.1	1462.8	1503.6
125°	3190.6	2747.2	2283.4	1916.4	1763.5	1661.6	1544.4	1529.1	1544.4	1569.8	1615.7
127.5°	3272.2	2854.3	2421.0	2059.1	1880.7	1799.2	1682.0	1651.4	1671.8	1682.0	1732.9
130°	3333.4	2976.6	2548.4	2196.8	2038.8	1957.2	1799.2	1768.6	1778.8	1804.3	1829.8
132.5°	3394.5	3053.0	2675.9	2339.5	2186.6	2094.8	1941.9	1875.7	1880.7	1901.1	1926.6
135°	3435.3	3134.6	2808.4	2482.2	2314.0	2242.6	2079.5	2013.3	1987.8	1982.7	2013.3
137.5°	3476.1	3211.0	2910.3	2614.7	2472.0	2390.4	2196.8	2120.3	2094.8	2089.7	2099.9
140°	3511.8	3277.3	3002.1	2757.4	2614.7	2517.9	2339.5	2242.6	2201.9	2181.5	2191.7
142.5°	3527.0	3333.4	3098.9	2910.3	2737.0	2624.9	2477.1	2380.2	2293.6	2268.1	2247.7
145°	3537.2	3420.0	3190.6	3007.2	2874.6	2808.4	2630.0	2502.6	2400.6	2349.7	2339.5
147.5°	3537.2	3414.9	3251.8	3088.7	2976.6	2905.2	2711.5	2630.0	2548.4	2461.8	2421.0
150°	3527.0	3471.0	3297.7	3170.3	3053.0	2997.0	2859.3	2706.4	2619.8	2558.6	2512.8
152.5°	3501.6	3425.1	3323.2	3211.0	3124.4	3088.7	2930.7	2833.9	2742.1	2650.4	2614.7
155°	3476.1	3414.9	3338.5	3246.7	3175.4	3129.5	3017.4	2920.5	2854.3	2757.4	2721.7
157.5°	3445.5	3404.7	3338.5	3287.5	3205.9	3175.4	3063.2	2997.0	2940.9	2844.1	2798.2
160°	3399.6	3374.1	3333.4	3262.0	3226.3	3200.8	3109.1	3058.1	3002.1	2930.7	2895.0
162.5°	3353.7	3358.8	3307.9	3292.6	3236.5	3216.1	3155.0	3098.9	3042.8	3002.1	2971.5
165°	3318.1	3338.5	3287.5	3236.5	3236.5	3226.3	3160.1	3134.6	3109.1	3063.2	3027.5
167.5°	3251.8	3277.3	3277.3	3216.1	3211.0	3226.3	3185.5	3160.1	3139.7	3104.0	3083.6
170°	3241.6	3241.6	3205.9	3211.0	3226.3	3190.6	3165.2	3160.1	3160.1	3139.7	3124.4
172.5°	3180.5	3211.0	3195.7	3185.5	3170.3	3170.3	3155.0	3160.1	3149.9	3155.0	3149.9
175°	3160.1	3165.2	3170.3	3165.2	3149.9	3149.9	3144.8	3149.9	3155.0	3155.0	3144.8
177.5°	3129.5	3144.8	3170.3	3144.8	3155.0	3134.6	3129.5	3139.7	3139.7	3144.8	3134.6
180°	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5



TEST NUMBER: P508443

CATALOG NUMBER: ASYX-X-S3-X-U-F-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°	152.9	163.1	168.2	173.3	178.4	163.1	163.1	147.8	137.6
95°	326.2	351.7	351.7	351.7	367.0	377.2	372.1	367.0	367.0
97.5°	443.4	484.2	514.8	519.9	519.9	519.9	525.0	525.0	514.8
100°	560.7	581.0	601.4	606.5	601.4	601.4	596.3	606.5	601.4
102.5°	672.8	693.2	698.3	703.4	698.3	693.2	683.0	693.2	672.8
105°	769.6	790.0	784.9	779.8	774.7	764.5	754.3	769.6	764.5
107.5°	876.7	881.8	886.9	892.0	871.6	866.5	866.5	876.7	871.6
110°	963.3	983.7	978.6	973.5	973.5	963.3	958.2	963.3	958.2
112.5°	1055.1	1065.2	1060.2	1060.2	1055.1	1039.8	1024.5	1029.6	1024.5
115°	1151.9	1157.0	1151.9	1141.7	1131.5	1121.3	1100.9	1090.7	1085.6
117.5°	1253.8	1248.7	1238.5	1233.4	1223.3	1218.2	1187.6	1172.3	1167.2
120°	1371.1	1355.8	1335.4	1330.3	1315.0	1309.9	1269.1	1243.6	1238.5
122.5°	1513.8	1488.3	1447.5	1427.1	1422.0	1406.7	1355.8	1345.6	1330.3
125°	1636.1	1625.9	1600.4	1585.1	1564.7	1518.9	1462.8	1437.3	1447.5
127.5°	1753.3	1748.2	1738.0	1717.6	1692.2	1671.8	1625.9	1585.1	1574.9
130°	1850.2	1855.3	1840.0	1824.7	1809.4	1789.0	1738.0	1712.6	1712.6
132.5°	1941.9	1947.0	1957.2	1916.4	1906.2	1885.8	1840.0	1809.4	1819.6
135°	2013.3	2023.5	2008.2	1992.9	1982.7	1962.3	1916.4	1901.1	1906.2
137.5°	2110.1	2099.9	2084.6	2074.4	2048.9	2043.8	2008.2	1982.7	1972.5
140°	2171.3	2176.4	2176.4	2150.9	2125.4	2115.2	2079.5	2054.0	2059.1
142.5°	2252.8	2232.4	2242.6	2217.1	2201.9	2186.6	2140.7	2135.6	2135.6
145°	2314.0	2303.8	2298.7	2278.3	2273.2	2242.6	2227.3	2201.9	2217.1
147.5°	2380.2	2380.2	2380.2	2334.4	2324.2	2308.9	2293.6	2273.2	2288.5
150°	2477.1	2441.4	2431.2	2405.7	2385.3	2375.1	2339.5	2329.3	2344.6
152.5°	2553.5	2512.8	2482.2	2466.9	2461.8	2446.5	2426.1	2410.8	2410.8
155°	2645.3	2589.2	2589.2	2533.1	2517.9	2507.7	2487.3	2482.2	2487.3
157.5°	2742.1	2691.2	2665.7	2635.1	2609.6	2599.4	2573.9	2563.7	2573.9
160°	2813.5	2808.4	2752.3	2737.0	2711.5	2696.2	2691.2	2665.7	2665.7
162.5°	2925.6	2854.3	2844.1	2828.8	2808.4	2788.0	2777.8	2767.6	2777.8
165°	2986.8	2966.4	2940.9	2920.5	2905.2	2900.1	2869.5	2879.7	2874.6
167.5°	3058.1	3042.8	3017.4	3002.1	3007.2	2986.8	2986.8	2961.3	2966.4
170°	3109.1	3119.3	3088.7	3073.4	3063.2	3063.2	3042.8	3042.8	3053.0
172.5°	3144.8	3160.1	3134.6	3124.4	3114.2	3124.4	3104.0	3098.9	3109.1
175°	3155.0	3175.4	3155.0	3149.9	3139.7	3170.3	3134.6	3134.6	3114.2
177.5°	3144.8	3149.9	3170.3	3139.7	3139.7	3149.9	3155.0	3114.2	3139.7
180°	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5	3129.5

(END OF REPORT)