

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: P508348

Luminaire Tested: **ASYX-X-L3-X-U-F-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508348
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-L3-X-U-F-L30-1-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

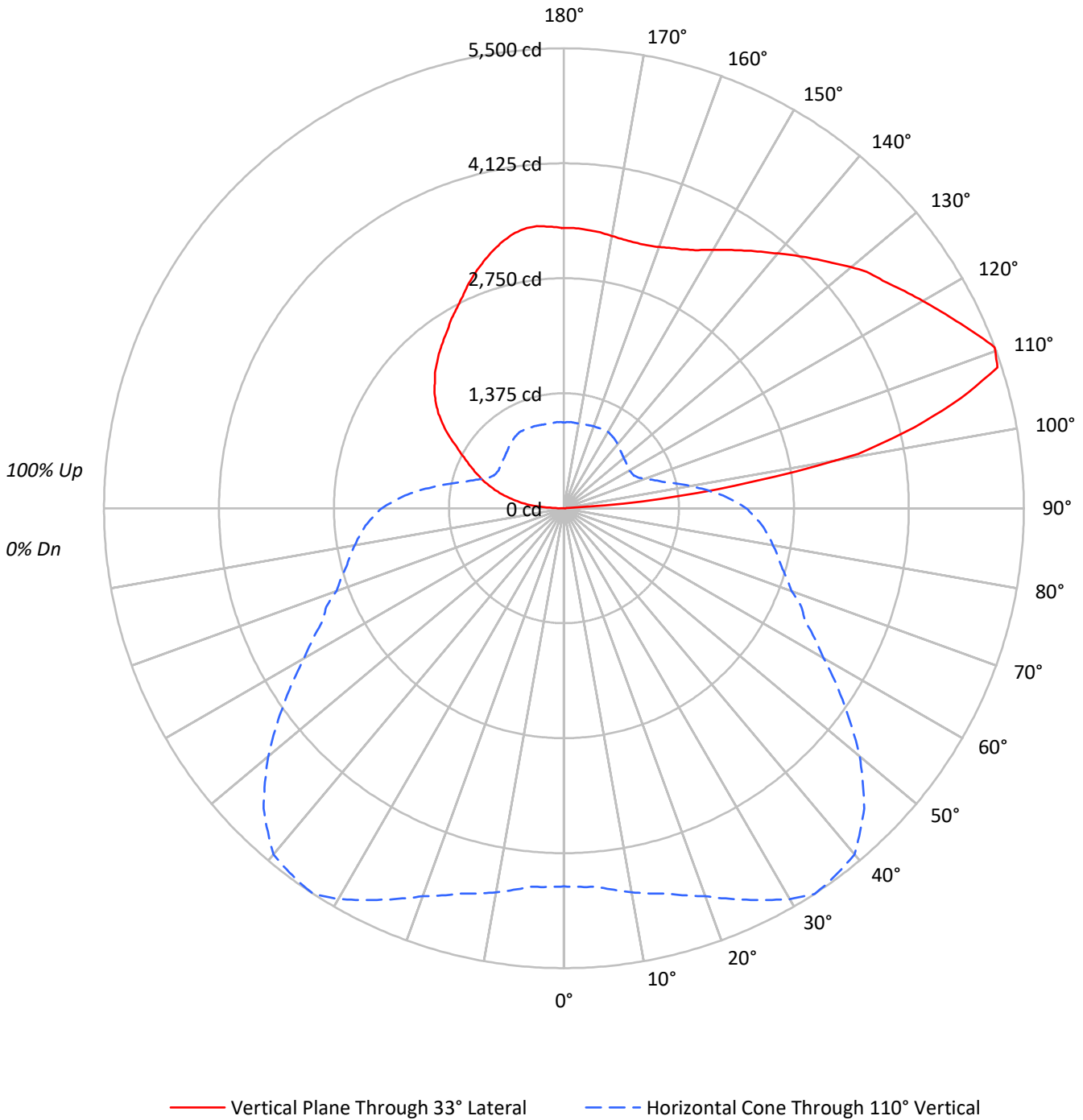
Lumens per Lamp: N/A
Luminaire Lumens: 15914.5 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508348
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Luminous Intensity Polar Plot





TEST NUMBER: P508348

CATALOG NUMBER: ASYX-X-L3-X-U-F-L30-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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				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°	58009	22255	48561
100°	147262	47395	39951
105°	143094	52468	34069
110°	142318	68580	32315
115°	124078	77759	29629
120°	103112	76422	28570
125°	87836	71231	29108
130°	75086	65300	30730
135°	64598	60025	31093
140°	56327	55407	31003
145°	49518	51097	31217
150°	43443	47720	31226
155°	39891	44756	31654
160°	36911	41727	32718
165°	35664	39499	34326
170°	35518	37726	35756
175°	36351	36527	36056



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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°	577.7	3.6
100°-110°	2130.6	13.4
110°-120°	2891.0	18.2
120°-130°	2878.1	18.1
130°-140°	2562.2	16.1
140°-150°	2082.1	13.1
150°-160°	1528.8	9.6
160°-170°	943.4	5.9
170°-180°	320.5	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°	5599.3	35.2
90°-150°	13121.7	82.5
90°-180°	15914.0	100.0
0°-180°	15914.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	470	694	180	273	393	778
105°	3441	4620	1262	743	819	3662
115°	4872	5014	3053	1185	1163	4764
125°	4680	4680	3796	1682	1551	4183
135°	4244	4260	3943	2124	2043	3306
145°	3768	3779	3889	2518	2376	2370
155°	3359	3474	3768	2955	2665	1550
165°	3200	3315	3544	3282	3080	914
175°	3364	3332	3381	3381	3337	316
180°	3353	3353	3353	3353	3353	



TEST NUMBER: P508348

CATALOG NUMBER: ASYX-X-L3-X-U-F-L30-1-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°	27.3	27.3	27.3	32.8	38.2	38.2	49.2	54.6	49.2	71.0	81.9
95°	469.7	540.7	775.5	923.0	912.1	862.9	917.5	1075.9	1157.8	1054.1	895.7
97.5°	1179.7	1223.4	1709.4	1938.8	2140.9	2239.2	2326.6	2255.6	2293.8	2272.0	2069.9
100°	2375.7	2517.7	2687.0	2921.9	3211.3	3418.9	3577.3	3702.9	3582.7	3391.6	2834.5
102.5°	3042.0	3091.2	3205.9	3326.0	3637.3	3790.3	3948.6	4221.7	4303.6	4265.4	3965.0
105°	3440.7	3468.0	3577.3	3757.5	3997.8	4167.1	4363.7	4718.7	4926.2	4948.1	4969.9
107.5°	3943.2	4003.3	4134.3	4249.0	4533.0	4729.6	4904.4	5270.3	5450.5	5461.5	5385.0
110°	4522.1	4543.9	4664.1	4773.3	4937.2	5051.9	5166.5	5395.9	5499.7	5483.3	5406.8
112.5°	4833.4	4860.7	4904.4	4942.6	5019.1	5068.2	5139.2	5286.7	5346.8	5363.2	5286.7
115°	4871.6	4871.6	4904.4	4909.9	4997.2	4997.2	5030.0	5172.0	5199.3	5221.2	5177.5
117.5°	4838.9	4849.8	4871.6	4860.7	4898.9	4953.5	4942.6	5030.0	5062.8	5046.4	5062.8
120°	4789.7	4778.8	4822.5	4800.6	4827.9	4860.7	4838.9	4904.4	4931.7	4920.8	4975.4
122.5°	4740.5	4740.5	4756.9	4751.5	4740.5	4729.6	4735.1	4778.8	4806.1	4800.6	4833.4
125°	4680.5	4675.0	4669.5	4647.7	4675.0	4658.6	4631.3	4664.1	4685.9	4675.0	4707.8
127.5°	4582.2	4587.6	4576.7	4565.8	4533.0	4527.6	4554.9	4538.5	4593.1	4560.3	4593.1
130°	4483.9	4483.9	4472.9	4451.1	4440.2	4418.3	4412.9	4423.8	4456.6	4467.5	4418.3
132.5°	4407.4	4369.2	4341.9	4325.5	4325.5	4303.6	4292.7	4303.6	4320.0	4347.3	4352.8
135°	4243.6	4221.7	4221.7	4199.9	4232.6	4183.5	4172.6	4188.9	4194.4	4194.4	4227.2
137.5°	4150.7	4096.1	4074.2	4068.8	4063.3	4046.9	4046.9	4068.8	4074.2	4068.8	4096.1
140°	4008.7	3948.6	3970.5	3943.2	3948.6	3921.3	3932.3	3932.3	3954.1	3954.1	3981.4
142.5°	3926.8	3839.4	3828.5	3812.1	3817.6	3806.6	3861.3	3823.0	3844.9	3883.1	3866.7
145°	3768.4	3697.4	3713.8	3697.4	3702.9	3691.9	3719.3	3713.8	3741.1	3735.6	3762.9
147.5°	3599.1	3593.6	3599.1	3588.2	3599.1	3588.2	3620.9	3615.5	3642.8	3659.2	3664.6
150°	3495.3	3473.5	3479.0	3489.9	3479.0	3500.8	3500.8	3522.6	3549.9	3555.4	3577.3
152.5°	3386.1	3380.6	3408.0	3391.6	3402.5	3402.5	3418.9	3424.3	3462.6	3468.0	3522.6
155°	3358.8	3309.6	3309.6	3304.2	3331.5	3331.5	3353.3	3386.1	3402.5	3429.8	3435.3
157.5°	3260.5	3255.0	3255.0	3276.9	3249.6	3282.3	3331.5	3315.1	3358.8	3364.3	3386.1
160°	3222.3	3205.9	3216.8	3227.7	3227.7	3255.0	3293.3	3287.8	3315.1	3347.9	3353.3
162.5°	3244.1	3189.5	3195.0	3222.3	3211.3	3249.6	3255.0	3266.0	3293.3	3304.2	3337.0
165°	3200.4	3184.0	3173.1	3184.0	3216.8	3233.2	3249.6	3260.5	3287.8	3293.3	3309.6
167.5°	3216.8	3211.3	3211.3	3222.3	3244.1	3244.1	3271.4	3266.0	3293.3	3293.3	3304.2
170°	3249.6	3233.2	3244.1	3266.0	3227.7	3287.8	3282.3	3266.0	3309.6	3309.6	3326.0
172.5°	3293.3	3276.9	3282.3	3282.3	3282.3	3315.1	3320.6	3326.0	3331.5	3326.0	3326.0
175°	3364.3	3320.6	3315.1	3315.1	3326.0	3326.0	3337.0	3309.6	3342.4	3342.4	3337.0
177.5°	3347.9	3331.5	3358.8	3331.5	3320.6	3342.4	3358.8	3337.0	3353.3	3337.0	3353.3
180°	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3



TEST NUMBER: P508348

CATALOG NUMBER: ASYX-X-L3-X-U-F-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°	71.0	71.0	71.0	65.5	60.1	60.1	60.1	60.1	54.6	49.2	49.2
95°	693.6	551.6	502.5	415.1	349.5	322.2	278.5	278.5	207.5	169.3	180.2
97.5°	1742.2	1354.4	1075.9	813.8	775.5	726.4	720.9	611.7	540.7	491.5	426.0
100°	2261.0	1856.9	1611.1	1474.6	1294.4	1212.4	1152.4	1037.7	966.7	868.4	764.6
102.5°	3358.8	2790.8	2310.2	1906.0	1633.0	1518.3	1441.8	1321.7	1234.3	1136.0	1004.9
105°	4620.4	3823.0	3020.2	2414.0	2048.0	1900.6	1769.5	1649.4	1534.7	1381.7	1261.6
107.5°	4959.0	4380.1	3773.9	3096.6	2588.7	2441.3	2288.4	2086.3	1933.4	1802.3	1594.7
110°	5079.2	4614.9	4090.6	3588.2	3178.6	3074.8	2894.6	2692.5	2539.6	2381.2	2179.1
112.5°	5030.0	4740.5	4320.0	3872.2	3539.0	3435.3	3304.2	3178.6	3096.6	2976.5	2708.9
115°	5013.6	4778.8	4483.9	4085.2	3784.8	3670.1	3566.3	3451.6	3429.8	3347.9	3053.0
117.5°	4942.6	4784.2	4560.3	4238.1	3970.5	3894.0	3790.3	3697.4	3686.5	3604.6	3347.9
120°	4893.5	4762.4	4571.2	4358.2	4128.9	4046.9	3959.6	3888.6	3855.8	3795.7	3549.9
122.5°	4778.8	4729.6	4582.2	4401.9	4194.4	4156.2	4074.2	3954.1	4008.7	3943.2	3708.3
125°	4680.5	4653.2	4614.9	4396.5	4249.0	4199.9	4139.8	4068.8	4085.2	4041.5	3795.7
127.5°	4576.7	4571.2	4543.9	4412.9	4276.3	4254.5	4183.5	4128.9	4117.9	4074.2	3855.8
130°	4494.8	4489.3	4451.1	4363.7	4276.3	4270.9	4199.9	4156.2	4150.7	4112.5	3899.5
132.5°	4374.6	4374.6	4396.5	4309.1	4254.5	4238.1	4205.3	4150.7	4167.1	4085.2	3921.3
135°	4259.9	4265.4	4281.8	4238.1	4270.9	4210.8	4178.0	4107.0	4139.8	4107.0	3943.2
137.5°	4128.9	4145.2	4178.0	4161.6	4178.0	4183.5	4139.8	4123.4	4123.4	4090.6	3937.7
140°	3970.5	4036.0	4096.1	4090.6	4123.4	4117.9	4101.6	4025.1	4096.1	4074.2	3943.2
142.5°	3899.5	3937.7	4008.7	3992.3	4063.3	4063.3	4052.4	4046.9	4063.3	4025.1	3921.3
145°	3779.3	3839.4	3894.0	3926.8	3970.5	4014.2	3997.8	4008.7	4014.2	4014.2	3888.6
147.5°	3702.9	3768.4	3839.4	3850.3	3926.8	3937.7	3943.2	3959.6	3992.3	3948.6	3899.5
150°	3620.9	3664.6	3746.6	3779.3	3861.3	3877.6	3872.2	3894.0	3948.6	3915.9	3839.4
152.5°	3495.3	3588.2	3659.2	3708.3	3768.4	3806.6	3812.1	3812.1	3861.3	3861.3	3817.6
155°	3473.5	3522.6	3588.2	3637.3	3702.9	3741.1	3746.6	3746.6	3795.7	3779.3	3768.4
157.5°	3424.3	3489.9	3544.5	3560.9	3642.8	3675.6	3675.6	3686.5	3730.2	3741.1	3702.9
160°	3391.6	3424.3	3489.9	3539.0	3582.7	3620.9	3626.4	3637.3	3664.6	3659.2	3642.8
162.5°	3342.4	3391.6	3451.6	3479.0	3528.1	3566.3	3560.9	3560.9	3610.0	3620.9	3599.1
165°	3315.1	3369.7	3440.7	3457.1	3489.9	3511.7	3506.3	3522.6	3566.3	3555.4	3544.5
167.5°	3326.0	3353.3	3413.4	3408.0	3446.2	3462.6	3462.6	3451.6	3479.0	3440.7	3473.5
170°	3342.4	3342.4	3375.2	3386.1	3418.9	3435.3	3418.9	3418.9	3435.3	3446.2	3451.6
172.5°	3347.9	3342.4	3369.7	3364.3	3375.2	3402.5	3386.1	3364.3	3397.0	3418.9	3391.6
175°	3331.5	3337.0	3380.6	3369.7	3353.3	3380.6	3353.3	3347.9	3397.0	3391.6	3380.6
177.5°	3315.1	3315.1	3342.4	3320.6	3358.8	3358.8	3331.5	3331.5	3386.1	3347.9	3337.0
180°	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3



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CATALOG NUMBER: ASYX-X-L3-X-U-F-L30-1-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°	54.6	60.1	65.5	76.5	81.9	87.4	98.3	109.2	125.6	125.6	147.5
95°	174.8	180.2	180.2	191.2	196.6	196.6	202.1	223.9	245.8	273.1	322.2
97.5°	371.4	327.7	316.8	316.8	322.2	322.2	327.7	338.6	355.0	387.8	436.9
100°	655.4	557.1	486.1	447.8	436.9	431.5	436.9	436.9	464.2	507.9	562.5
102.5°	857.4	726.4	606.2	551.6	529.8	535.2	529.8	540.7	578.9	617.1	677.2
105°	1081.4	912.1	759.1	677.2	644.5	639.0	639.0	649.9	693.6	742.8	786.5
107.5°	1387.2	1174.2	950.3	830.1	781.0	770.1	770.1	786.5	813.8	846.5	895.7
110°	1878.7	1529.2	1217.9	1026.8	961.2	923.0	901.1	917.5	933.9	961.2	999.4
112.5°	2337.5	1906.0	1496.4	1207.0	1119.6	1059.5	1026.8	1026.8	1048.6	1070.4	1097.8
115°	2654.3	2173.7	1731.3	1392.7	1267.1	1212.4	1141.4	1146.9	1163.3	1185.1	1201.5
117.5°	2938.3	2424.9	1927.9	1567.4	1425.4	1338.1	1267.1	1250.7	1283.4	1310.8	1321.7
120°	3140.3	2643.3	2124.5	1747.7	1583.8	1485.5	1387.2	1370.8	1403.6	1409.1	1463.7
122.5°	3309.6	2801.7	2293.8	1906.0	1731.3	1649.4	1529.2	1507.4	1529.2	1567.4	1611.1
125°	3418.9	2943.7	2446.7	2053.5	1889.7	1780.4	1654.8	1638.4	1654.8	1682.1	1731.3
127.5°	3506.3	3058.4	2594.2	2206.4	2015.3	1927.9	1802.3	1769.5	1791.4	1802.3	1856.9
130°	3571.8	3189.5	2730.7	2353.9	2184.6	2097.2	1927.9	1895.1	1906.0	1933.4	1960.7
132.5°	3637.3	3271.4	2867.3	2506.8	2343.0	2244.7	2080.8	2009.8	2015.3	2037.1	2064.4
135°	3681.0	3358.8	3009.3	2659.7	2479.5	2403.0	2228.3	2157.3	2130.0	2124.5	2157.3
137.5°	3724.7	3440.7	3118.5	2801.7	2648.8	2561.4	2353.9	2272.0	2244.7	2239.2	2250.1
140°	3762.9	3511.7	3216.8	2954.7	2801.7	2698.0	2506.8	2403.0	2359.4	2337.5	2348.4
142.5°	3779.3	3571.8	3320.6	3118.5	2932.8	2812.7	2654.3	2550.5	2457.7	2430.3	2408.5
145°	3790.3	3664.6	3418.9	3222.3	3080.3	3009.3	2818.1	2681.6	2572.3	2517.7	2506.8
147.5°	3790.3	3659.2	3484.4	3309.6	3189.5	3113.0	2905.5	2818.1	2730.7	2637.9	2594.2
150°	3779.3	3719.3	3533.6	3397.0	3271.4	3211.3	3063.9	2900.0	2807.2	2741.7	2692.5
152.5°	3752.0	3670.1	3560.9	3440.7	3347.9	3309.6	3140.3	3036.6	2938.3	2840.0	2801.7
155°	3724.7	3659.2	3577.3	3479.0	3402.5	3353.3	3233.2	3129.4	3058.4	2954.7	2916.4
157.5°	3691.9	3648.3	3577.3	3522.6	3435.3	3402.5	3282.3	3211.3	3151.3	3047.5	2998.3
160°	3642.8	3615.5	3571.8	3495.3	3457.1	3429.8	3331.5	3276.9	3216.8	3140.3	3102.1
162.5°	3593.6	3599.1	3544.5	3528.1	3468.0	3446.2	3380.6	3320.6	3260.5	3216.8	3184.0
165°	3555.4	3577.3	3522.6	3468.0	3468.0	3457.1	3386.1	3358.8	3331.5	3282.3	3244.1
167.5°	3484.4	3511.7	3511.7	3446.2	3440.7	3457.1	3413.4	3386.1	3364.3	3326.0	3304.2
170°	3473.5	3473.5	3435.3	3440.7	3457.1	3418.9	3391.6	3386.1	3386.1	3364.3	3347.9
172.5°	3408.0	3440.7	3424.3	3413.4	3397.0	3397.0	3380.6	3386.1	3375.2	3380.6	3375.2
175°	3386.1	3391.6	3397.0	3391.6	3375.2	3375.2	3369.7	3375.2	3380.6	3380.6	3369.7
177.5°	3353.3	3369.7	3397.0	3369.7	3380.6	3358.8	3353.3	3364.3	3364.3	3369.7	3358.8
180°	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3



TEST NUMBER: P508348

CATALOG NUMBER: ASYX-X-L3-X-U-F-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°	163.8	174.8	180.2	185.7	191.2	174.8	174.8	158.4	147.5
95°	349.5	376.8	376.8	376.8	393.2	404.1	398.7	393.2	393.2
97.5°	475.1	518.8	551.6	557.1	557.1	557.1	562.5	562.5	551.6
100°	600.8	622.6	644.5	649.9	644.5	644.5	639.0	649.9	644.5
102.5°	720.9	742.8	748.2	753.7	748.2	742.8	731.8	742.8	720.9
105°	824.7	846.5	841.1	835.6	830.1	819.2	808.3	824.7	819.2
107.5°	939.4	944.8	950.3	955.8	933.9	928.4	928.4	939.4	933.9
110°	1032.2	1054.1	1048.6	1043.1	1043.1	1032.2	1026.8	1032.2	1026.8
112.5°	1130.5	1141.4	1136.0	1136.0	1130.5	1114.1	1097.8	1103.2	1097.8
115°	1234.3	1239.8	1234.3	1223.4	1212.4	1201.5	1179.7	1168.8	1163.3
117.5°	1343.5	1338.1	1327.1	1321.7	1310.8	1305.3	1272.5	1256.1	1250.7
120°	1469.1	1452.7	1430.9	1425.4	1409.1	1403.6	1359.9	1332.6	1327.1
122.5°	1622.1	1594.7	1551.1	1529.2	1523.7	1507.4	1452.7	1441.8	1425.4
125°	1753.1	1742.2	1714.9	1698.5	1676.7	1627.5	1567.4	1540.1	1551.1
127.5°	1878.7	1873.3	1862.4	1840.5	1813.2	1791.4	1742.2	1698.5	1687.6
130°	1982.5	1988.0	1971.6	1955.2	1938.8	1917.0	1862.4	1835.1	1835.1
132.5°	2080.8	2086.3	2097.2	2053.5	2042.6	2020.7	1971.6	1938.8	1949.7
135°	2157.3	2168.2	2151.8	2135.4	2124.5	2102.7	2053.5	2037.1	2042.6
137.5°	2261.0	2250.1	2233.7	2222.8	2195.5	2190.0	2151.8	2124.5	2113.6
140°	2326.6	2332.0	2332.0	2304.7	2277.4	2266.5	2228.3	2201.0	2206.4
142.5°	2414.0	2392.1	2403.0	2375.7	2359.4	2343.0	2293.8	2288.4	2288.4
145°	2479.5	2468.6	2463.1	2441.3	2435.8	2403.0	2386.7	2359.4	2375.7
147.5°	2550.5	2550.5	2550.5	2501.3	2490.4	2474.0	2457.7	2435.8	2452.2
150°	2654.3	2616.0	2605.1	2577.8	2556.0	2545.0	2506.8	2495.9	2512.3
152.5°	2736.2	2692.5	2659.7	2643.3	2637.9	2621.5	2599.7	2583.3	2583.3
155°	2834.5	2774.4	2774.4	2714.3	2698.0	2687.0	2665.2	2659.7	2665.2
157.5°	2938.3	2883.7	2856.3	2823.6	2796.3	2785.3	2758.0	2747.1	2758.0
160°	3014.7	3009.3	2949.2	2932.8	2905.5	2889.1	2883.7	2856.3	2856.3
162.5°	3134.9	3058.4	3047.5	3031.1	3009.3	2987.4	2976.5	2965.6	2976.5
165°	3200.4	3178.6	3151.3	3129.4	3113.0	3107.6	3074.8	3085.7	3080.3
167.5°	3276.9	3260.5	3233.2	3216.8	3222.3	3200.4	3200.4	3173.1	3178.6
170°	3331.5	3342.4	3309.6	3293.3	3282.3	3282.3	3260.5	3260.5	3271.4
172.5°	3369.7	3386.1	3358.8	3347.9	3337.0	3347.9	3326.0	3320.6	3331.5
175°	3380.6	3402.5	3380.6	3375.2	3364.3	3397.0	3358.8	3358.8	3337.0
177.5°	3369.7	3375.2	3397.0	3364.3	3364.3	3375.2	3380.6	3337.0	3364.3
180°	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3	3353.3

(END OF REPORT)