

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: P508397

Luminaire Tested: **ASYX-X-L6-X-U-F-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508397  
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-L6-X-U-F-L35-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(6) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

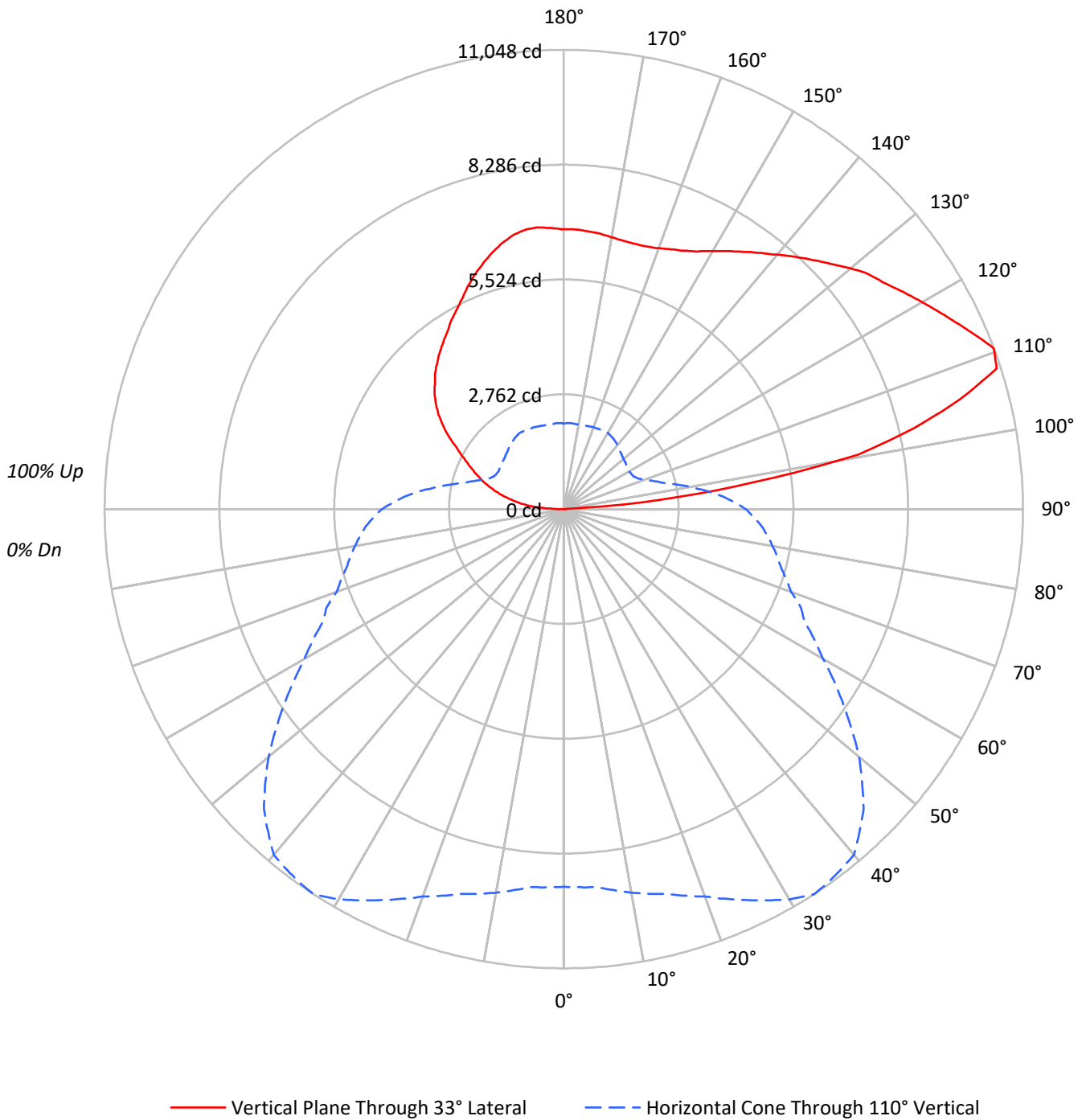
Lumens per Lamp: N/A  
Luminaire Lumens: 31970.2 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
CIE Type: Indirect

Input Watts (W): 320.8  
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: P508397  
CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508397

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**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°	77683	29813	65036
100°	197226	63475	53499
105°	191640	70268	45628
110°	190598	91847	43276
115°	166172	104137	39680
120°	138092	102349	38262
125°	117634	95397	38983
130°	100558	87453	41154
135°	86512	80388	41642
140°	75437	74203	41521
145°	66317	68431	41809
150°	58182	63910	41818
155°	53424	59940	42392
160°	49432	55883	43818
165°	47763	52898	45970
170°	47567	50525	47887
175°	48683	48920	48288



TEST NUMBER: P508397

CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-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°	1160.5	3.6
100°-110°	4280.2	13.4
110°-120°	5807.6	18.2
120°-130°	5781.8	18.1
130°-140°	5147.2	16.1
140°-150°	4182.6	13.1
150°-160°	3071.2	9.6
160°-170°	1895.2	5.9
170°-180°	643.9	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°	11248.3	35.2
90°-150°	26359.9	82.5
90°-180°	31970.0	100.0
0°-180°	31970.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	944	1393	362	549	790	1563
105°	6912	9282	2534	1492	1646	7356
115°	9786	10072	6133	2381	2337	9569
125°	9402	9402	7625	3379	3116	8404
135°	8525	8558	7921	4268	4103	6641
145°	7570	7592	7812	5058	4773	4761
155°	6747	6978	7570	5936	5354	3114
165°	6429	6660	7120	6594	6188	1836
175°	6758	6693	6791	6791	6704	635
180°	6736	6736	6736	6736	6736	



TEST NUMBER: P508397

CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-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°	54.9	54.9	54.9	65.8	76.8	76.8	98.7	109.7	98.7	142.6	164.6
95°	943.5	1086.2	1557.9	1854.2	1832.2	1733.5	1843.2	2161.4	2325.9	2117.5	1799.3
97.5°	2369.8	2457.6	3434.0	3894.8	4300.8	4498.3	4673.8	4531.2	4608.0	4564.1	4158.2
100°	4772.6	5057.8	5397.9	5869.7	6451.2	6868.1	7186.3	7438.6	7197.2	6813.2	5694.2
102.5°	6111.1	6209.8	6440.2	6681.6	7306.9	7614.1	7932.3	8480.9	8645.5	8568.7	7965.2
105°	6912.0	6966.8	7186.3	7548.3	8031.1	8371.2	8766.1	9479.3	9896.2	9940.1	9984.0
107.5°	7921.3	8042.0	8305.3	8535.7	9106.3	9501.2	9852.3	10587.4	10949.5	10971.4	10817.8
110°	9084.3	9128.2	9369.6	9589.0	9918.1	10148.5	10378.9	10839.7	11048.2	11015.3	10861.7
112.5°	9709.7	9764.5	9852.3	9929.1	10082.7	10181.5	10324.1	10620.3	10741.0	10773.9	10620.3
115°	9786.5	9786.5	9852.3	9863.3	10038.8	10038.8	10104.7	10389.9	10444.8	10488.7	10400.9
117.5°	9720.7	9742.6	9786.5	9764.5	9841.3	9951.1	9929.1	10104.7	10170.5	10137.6	10170.5
120°	9621.9	9600.0	9687.7	9643.9	9698.7	9764.5	9720.7	9852.3	9907.2	9885.2	9994.9
122.5°	9523.2	9523.2	9556.1	9545.1	9523.2	9501.2	9512.2	9600.0	9654.8	9643.9	9709.7
125°	9402.5	9391.5	9380.5	9336.7	9391.5	9358.6	9303.7	9369.6	9413.5	9391.5	9457.3
127.5°	9205.0	9216.0	9194.0	9172.1	9106.3	9095.3	9150.1	9117.2	9226.9	9161.1	9226.9
130°	9007.5	9007.5	8985.6	8941.7	8919.7	8875.9	8864.9	8886.8	8952.7	8974.6	8875.9
132.5°	8853.9	8777.1	8722.3	8689.3	8689.3	8645.5	8623.5	8645.5	8678.4	8733.2	8744.2
135°	8524.8	8480.9	8480.9	8437.0	8502.8	8404.1	8382.1	8415.1	8426.0	8426.0	8491.9
137.5°	8338.3	8228.5	8184.7	8173.7	8162.7	8129.8	8129.8	8173.7	8184.7	8173.7	8228.5
140°	8053.0	7932.3	7976.2	7921.3	7932.3	7877.5	7899.4	7899.4	7943.3	7943.3	7998.1
142.5°	7888.4	7712.9	7690.9	7658.0	7669.0	7647.1	7756.8	7680.0	7723.9	7800.7	7767.7
145°	7570.3	7427.6	7460.5	7427.6	7438.6	7416.7	7471.5	7460.5	7515.4	7504.4	7559.3
147.5°	7230.1	7219.2	7230.1	7208.2	7230.1	7208.2	7274.0	7263.1	7317.9	7350.8	7361.8
150°	7021.7	6977.8	6988.8	7010.7	6988.8	7032.7	7032.7	7076.6	7131.4	7142.4	7186.3
152.5°	6802.3	6791.3	6846.2	6813.2	6835.2	6835.2	6868.1	6879.1	6955.9	6966.8	7076.6
155°	6747.4	6648.7	6648.7	6637.7	6692.6	6692.6	6736.4	6802.3	6835.2	6890.0	6901.0
157.5°	6549.9	6539.0	6539.0	6582.8	6528.0	6593.8	6692.6	6659.6	6747.4	6758.4	6802.3
160°	6473.1	6440.2	6462.2	6484.1	6484.1	6539.0	6615.8	6604.8	6659.6	6725.5	6736.4
162.5°	6517.0	6407.3	6418.3	6473.1	6451.2	6528.0	6539.0	6560.9	6615.8	6637.7	6703.5
165°	6429.2	6396.3	6374.4	6396.3	6462.2	6495.1	6528.0	6549.9	6604.8	6615.8	6648.7
167.5°	6462.2	6451.2	6451.2	6473.1	6517.0	6517.0	6571.9	6560.9	6615.8	6615.8	6637.7
170°	6528.0	6495.1	6517.0	6560.9	6484.1	6604.8	6593.8	6560.9	6648.7	6648.7	6681.6
172.5°	6615.8	6582.8	6593.8	6593.8	6593.8	6659.6	6670.6	6681.6	6692.6	6681.6	6681.6
175°	6758.4	6670.6	6659.6	6659.6	6681.6	6681.6	6703.5	6648.7	6714.5	6714.5	6703.5
177.5°	6725.5	6692.6	6747.4	6692.6	6670.6	6714.5	6747.4	6703.5	6736.4	6703.5	6736.4
180°	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4



TEST NUMBER: P508397

CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-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°	142.6	142.6	142.6	131.7	120.7	120.7	120.7	120.7	109.7	98.7	98.7
95°	1393.4	1108.1	1009.4	833.8	702.2	647.3	559.5	559.5	416.9	340.1	362.1
97.5°	3499.9	2720.9	2161.4	1634.7	1557.9	1459.2	1448.2	1228.8	1086.2	987.4	855.8
100°	4542.2	3730.3	3236.6	2962.3	2600.2	2435.6	2315.0	2084.6	1941.9	1744.5	1536.0
102.5°	6747.4	5606.4	4640.9	3829.0	3280.4	3050.0	2896.4	2655.1	2479.5	2282.1	2018.7
105°	9281.8	7680.0	6067.2	4849.4	4114.3	3818.0	3554.7	3313.4	3083.0	2775.8	2534.4
107.5°	9962.0	8799.1	7581.2	6220.8	5200.4	4904.2	4597.0	4191.1	3883.9	3620.6	3203.6
110°	10203.4	9270.8	8217.6	7208.2	6385.4	6176.9	5814.8	5408.9	5101.7	4783.5	4377.6
112.5°	10104.7	9523.2	8678.4	7778.7	7109.5	6901.0	6637.7	6385.4	6220.8	5979.4	5441.8
115°	10071.7	9600.0	9007.5	8206.6	7603.2	7372.8	7164.3	6933.9	6890.0	6725.5	6133.0
117.5°	9929.1	9610.9	9161.1	8513.8	7976.2	7822.6	7614.1	7427.6	7405.7	7241.1	6725.5
120°	9830.4	9567.1	9183.1	8755.2	8294.4	8129.8	7954.3	7811.6	7745.8	7625.1	7131.4
122.5°	9600.0	9501.2	9205.0	8842.9	8426.0	8349.2	8184.7	7943.3	8053.0	7921.3	7449.6
125°	9402.5	9347.6	9270.8	8832.0	8535.7	8437.0	8316.3	8173.7	8206.6	8118.8	7625.1
127.5°	9194.0	9183.1	9128.2	8864.9	8590.6	8546.7	8404.1	8294.4	8272.4	8184.7	7745.8
130°	9029.5	9018.5	8941.7	8766.1	8590.6	8579.6	8437.0	8349.2	8338.3	8261.5	7833.6
132.5°	8788.1	8788.1	8832.0	8656.4	8546.7	8513.8	8448.0	8338.3	8371.2	8206.6	7877.5
135°	8557.7	8568.7	8601.6	8513.8	8579.6	8458.9	8393.1	8250.5	8316.3	8250.5	7921.3
137.5°	8294.4	8327.3	8393.1	8360.2	8393.1	8404.1	8316.3	8283.4	8283.4	8217.6	7910.4
140°	7976.2	8107.9	8228.5	8217.6	8283.4	8272.4	8239.5	8085.9	8228.5	8184.7	7921.3
142.5°	7833.6	7910.4	8053.0	8020.1	8162.7	8162.7	8140.8	8129.8	8162.7	8085.9	7877.5
145°	7592.2	7712.9	7822.6	7888.4	7976.2	8064.0	8031.1	8053.0	8064.0	8064.0	7811.6
147.5°	7438.6	7570.3	7712.9	7734.8	7888.4	7910.4	7921.3	7954.3	8020.1	7932.3	7833.6
150°	7274.0	7361.8	7526.4	7592.2	7756.8	7789.7	7778.7	7822.6	7932.3	7866.5	7712.9
152.5°	7021.7	7208.2	7350.8	7449.6	7570.3	7647.1	7658.0	7658.0	7756.8	7756.8	7669.0
155°	6977.8	7076.6	7208.2	7306.9	7438.6	7515.4	7526.4	7526.4	7625.1	7592.2	7570.3
157.5°	6879.1	7010.7	7120.4	7153.3	7317.9	7383.7	7383.7	7405.7	7493.5	7515.4	7438.6
160°	6813.2	6879.1	7010.7	7109.5	7197.2	7274.0	7285.0	7306.9	7361.8	7350.8	7317.9
162.5°	6714.5	6813.2	6933.9	6988.8	7087.5	7164.3	7153.3	7153.3	7252.1	7274.0	7230.1
165°	6659.6	6769.4	6912.0	6944.9	7010.7	7054.6	7043.6	7076.6	7164.3	7142.4	7120.4
167.5°	6681.6	6736.4	6857.1	6846.2	6923.0	6955.9	6955.9	6933.9	6988.8	6912.0	6977.8
170°	6714.5	6714.5	6780.3	6802.3	6868.1	6901.0	6868.1	6868.1	6901.0	6923.0	6933.9
172.5°	6725.5	6714.5	6769.4	6758.4	6780.3	6835.2	6802.3	6758.4	6824.2	6868.1	6813.2
175°	6692.6	6703.5	6791.3	6769.4	6736.4	6791.3	6736.4	6725.5	6824.2	6813.2	6791.3
177.5°	6659.6	6659.6	6714.5	6670.6	6747.4	6747.4	6692.6	6692.6	6802.3	6725.5	6703.5
180°	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4



TEST NUMBER: P508397

CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-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°	109.7	120.7	131.7	153.6	164.6	175.5	197.5	219.4	252.3	252.3	296.2
95°	351.1	362.1	362.1	384.0	395.0	395.0	405.9	449.8	493.7	548.6	647.3
97.5°	746.1	658.3	636.3	636.3	647.3	647.3	658.3	680.2	713.1	779.0	877.7
100°	1316.6	1119.1	976.5	899.7	877.7	866.7	877.7	877.7	932.6	1020.3	1130.1
102.5°	1722.5	1459.2	1217.8	1108.1	1064.2	1075.2	1064.2	1086.2	1163.0	1239.8	1360.5
105°	2172.3	1832.2	1525.0	1360.5	1294.6	1283.7	1283.7	1305.6	1393.4	1492.1	1579.9
107.5°	2786.7	2358.9	1909.0	1667.7	1568.9	1547.0	1547.0	1579.9	1634.7	1700.6	1799.3
110°	3774.2	3072.0	2446.6	2062.6	1931.0	1854.2	1810.3	1843.2	1876.1	1931.0	2007.8
112.5°	4695.8	3829.0	3006.2	2424.7	2249.1	2128.5	2062.6	2062.6	2106.5	2150.4	2205.3
115°	5332.1	4366.6	3477.9	2797.7	2545.4	2435.6	2293.0	2304.0	2336.9	2380.8	2413.7
117.5°	5902.6	4871.3	3872.9	3148.8	2863.5	2688.0	2545.4	2512.4	2578.3	2633.1	2655.1
120°	6308.6	5310.2	4267.9	3510.8	3181.7	2984.2	2786.7	2753.8	2819.6	2830.6	2940.3
122.5°	6648.7	5628.3	4608.0	3829.0	3477.9	3313.4	3072.0	3028.1	3072.0	3148.8	3236.6
125°	6868.1	5913.6	4915.2	4125.2	3796.1	3576.7	3324.3	3291.4	3324.3	3379.2	3477.9
127.5°	7043.6	6144.0	5211.4	4432.4	4048.4	3872.9	3620.6	3554.7	3598.6	3620.6	3730.3
130°	7175.3	6407.3	5485.7	4728.7	4388.6	4213.0	3872.9	3807.1	3829.0	3883.9	3938.7
132.5°	7306.9	6571.9	5760.0	5035.9	4706.7	4509.2	4180.1	4037.5	4048.4	4092.3	4147.2
135°	7394.7	6747.4	6045.2	5343.1	4981.0	4827.4	4476.3	4333.7	4278.8	4267.9	4333.7
137.5°	7482.5	6912.0	6264.7	5628.3	5321.1	5145.6	4728.7	4564.1	4509.2	4498.3	4520.2
140°	7559.3	7054.6	6462.2	5935.5	5628.3	5419.9	5035.9	4827.4	4739.6	4695.8	4717.7
142.5°	7592.2	7175.3	6670.6	6264.7	5891.6	5650.3	5332.1	5123.6	4937.1	4882.3	4838.4
145°	7614.1	7361.8	6868.1	6473.1	6187.9	6045.2	5661.2	5387.0	5167.5	5057.8	5035.9
147.5°	7614.1	7350.8	6999.8	6648.7	6407.3	6253.7	5836.8	5661.2	5485.7	5299.2	5211.4
150°	7592.2	7471.5	7098.5	6824.2	6571.9	6451.2	6155.0	5825.8	5639.3	5507.6	5408.9
152.5°	7537.3	7372.8	7153.3	6912.0	6725.5	6648.7	6308.6	6100.1	5902.6	5705.1	5628.3
155°	7482.5	7350.8	7186.3	6988.8	6835.2	6736.4	6495.1	6286.6	6144.0	5935.5	5858.7
157.5°	7416.7	7328.9	7186.3	7076.6	6901.0	6835.2	6593.8	6451.2	6330.5	6122.0	6023.3
160°	7317.9	7263.1	7175.3	7021.7	6944.9	6890.0	6692.6	6582.8	6462.2	6308.6	6231.8
162.5°	7219.2	7230.1	7120.4	7087.5	6966.8	6923.0	6791.3	6670.6	6549.9	6462.2	6396.3
165°	7142.4	7186.3	7076.6	6966.8	6966.8	6944.9	6802.3	6747.4	6692.6	6593.8	6517.0
167.5°	6999.8	7054.6	7054.6	6923.0	6912.0	6944.9	6857.1	6802.3	6758.4	6681.6	6637.7
170°	6977.8	6977.8	6901.0	6912.0	6944.9	6868.1	6813.2	6802.3	6802.3	6758.4	6725.5
172.5°	6846.2	6912.0	6879.1	6857.1	6824.2	6824.2	6791.3	6802.3	6780.3	6791.3	6780.3
175°	6802.3	6813.2	6824.2	6813.2	6780.3	6780.3	6769.4	6780.3	6791.3	6791.3	6769.4
177.5°	6736.4	6769.4	6824.2	6769.4	6791.3	6747.4	6736.4	6758.4	6758.4	6769.4	6747.4
180°	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4





TEST NUMBER: P508397

CATALOG NUMBER: ASYX-X-L6-X-U-F-L35-1-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°	329.1	351.1	362.1	373.0	384.0	351.1	351.1	318.2	296.2
95°	702.2	757.0	757.0	757.0	789.9	811.9	800.9	789.9	789.9
97.5°	954.5	1042.3	1108.1	1119.1	1119.1	1119.1	1130.1	1130.1	1108.1
100°	1206.9	1250.7	1294.6	1305.6	1294.6	1294.6	1283.7	1305.6	1294.6
102.5°	1448.2	1492.1	1503.1	1514.1	1503.1	1492.1	1470.2	1492.1	1448.2
105°	1656.7	1700.6	1689.6	1678.6	1667.7	1645.7	1623.8	1656.7	1645.7
107.5°	1887.1	1898.1	1909.0	1920.0	1876.1	1865.1	1865.1	1887.1	1876.1
110°	2073.6	2117.5	2106.5	2095.5	2095.5	2073.6	2062.6	2073.6	2062.6
112.5°	2271.1	2293.0	2282.1	2282.1	2271.1	2238.2	2205.3	2216.2	2205.3
115°	2479.5	2490.5	2479.5	2457.6	2435.6	2413.7	2369.8	2347.9	2336.9
117.5°	2699.0	2688.0	2666.0	2655.1	2633.1	2622.2	2556.3	2523.4	2512.4
120°	2951.3	2918.4	2874.5	2863.5	2830.6	2819.6	2731.9	2677.0	2666.0
122.5°	3258.5	3203.6	3115.9	3072.0	3061.0	3028.1	2918.4	2896.4	2863.5
125°	3521.8	3499.9	3445.0	3412.1	3368.2	3269.5	3148.8	3093.9	3115.9
127.5°	3774.2	3763.2	3741.2	3697.4	3642.5	3598.6	3499.9	3412.1	3390.2
130°	3982.6	3993.6	3960.7	3927.8	3894.8	3851.0	3741.2	3686.4	3686.4
132.5°	4180.1	4191.1	4213.0	4125.2	4103.3	4059.4	3960.7	3894.8	3916.8
135°	4333.7	4355.6	4322.7	4289.8	4267.9	4224.0	4125.2	4092.3	4103.3
137.5°	4542.2	4520.2	4487.3	4465.4	4410.5	4399.5	4322.7	4267.9	4245.9
140°	4673.8	4684.8	4684.8	4629.9	4575.1	4553.1	4476.3	4421.5	4432.4
142.5°	4849.4	4805.5	4827.4	4772.6	4739.6	4706.7	4608.0	4597.0	4597.0
145°	4981.0	4959.1	4948.1	4904.2	4893.2	4827.4	4794.5	4739.6	4772.6
147.5°	5123.6	5123.6	5123.6	5024.9	5003.0	4970.0	4937.1	4893.2	4926.2
150°	5332.1	5255.3	5233.4	5178.5	5134.6	5112.7	5035.9	5013.9	5046.8
152.5°	5496.7	5408.9	5343.1	5310.2	5299.2	5266.3	5222.4	5189.5	5189.5
155°	5694.2	5573.5	5573.5	5452.8	5419.9	5397.9	5354.0	5343.1	5354.0
157.5°	5902.6	5792.9	5738.0	5672.2	5617.4	5595.4	5540.6	5518.6	5540.6
160°	6056.2	6045.2	5924.6	5891.6	5836.8	5803.9	5792.9	5738.0	5738.0
162.5°	6297.6	6144.0	6122.0	6089.1	6045.2	6001.4	5979.4	5957.5	5979.4
165°	6429.2	6385.4	6330.5	6286.6	6253.7	6242.7	6176.9	6198.8	6187.9
167.5°	6582.8	6549.9	6495.1	6462.2	6473.1	6429.2	6429.2	6374.4	6385.4
170°	6692.6	6714.5	6648.7	6615.8	6593.8	6593.8	6549.9	6549.9	6571.9
172.5°	6769.4	6802.3	6747.4	6725.5	6703.5	6725.5	6681.6	6670.6	6692.6
175°	6791.3	6835.2	6791.3	6780.3	6758.4	6824.2	6747.4	6747.4	6703.5
177.5°	6769.4	6780.3	6824.2	6758.4	6758.4	6780.3	6791.3	6703.5	6758.4
180°	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4	6736.4

(END OF REPORT)