

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: P508365

Luminaire Tested: **ASYX-X-L4-X-U-F-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508365
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-L4-X-U-F-L35-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(4) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

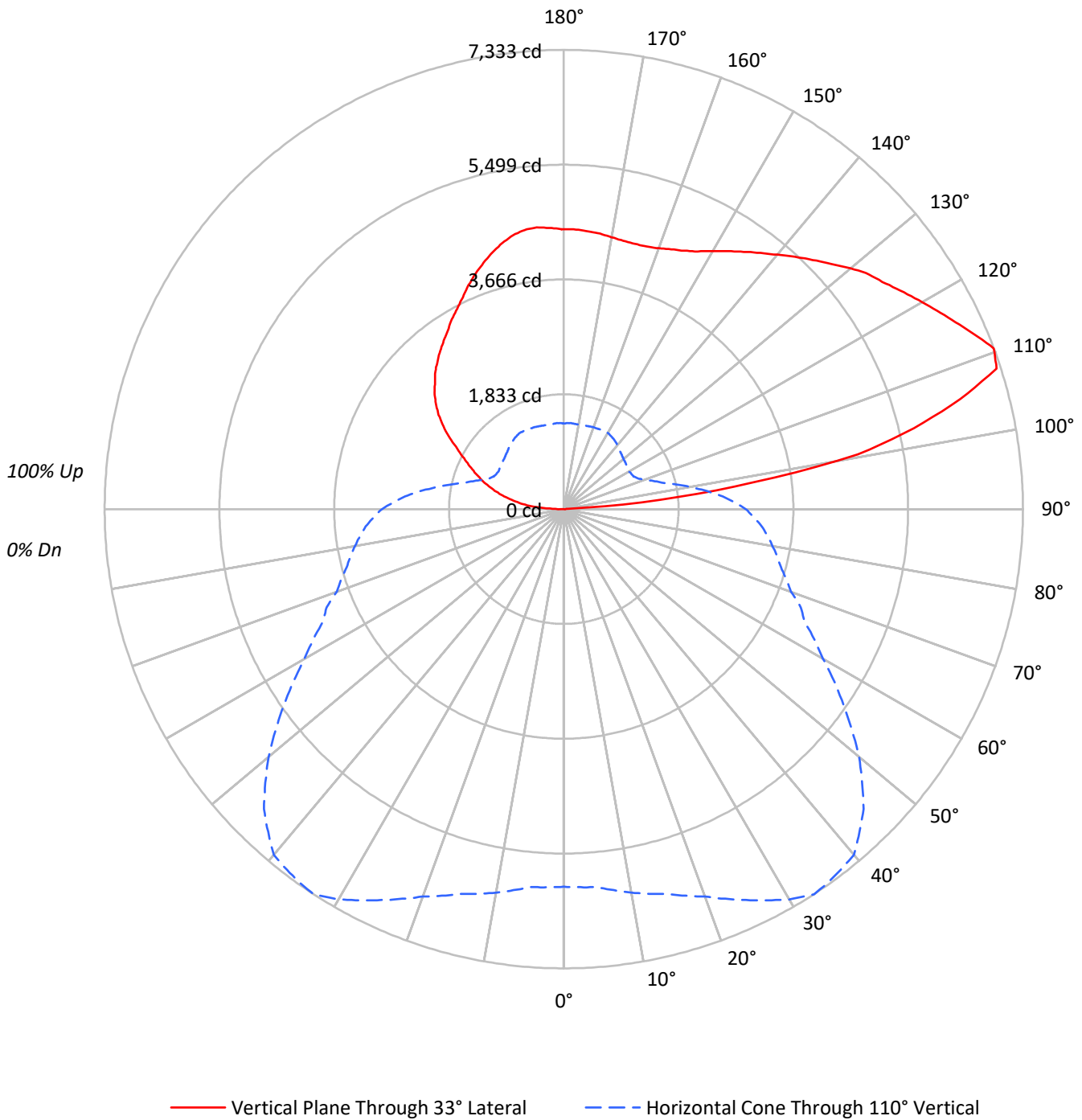
Lumens per Lamp: N/A
Luminaire Lumens: 21218.4 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508365
CATALOG NUMBER: ASYX-X-L4-X-U-F-L35-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-X-U-F-L35-1-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°	77337	29678	64752
100°	196344	63189	53259
105°	190783	69956	45423
110°	189748	91438	43081
115°	165430	103671	39503
120°	137477	101893	38091
125°	117109	94971	38809
130°	100109	87062	40970
135°	86126	80029	41455
140°	75100	73872	41336
145°	66021	68126	41622
150°	57923	63625	41633
155°	53186	59672	42203
160°	49212	55634	43623
165°	47550	52663	45765
170°	47355	50300	47673
175°	48466	48702	48073



TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-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°	770.2	3.6
100°-110°	2840.7	13.4
110°-120°	3854.5	18.2
120°-130°	3837.4	18.1
130°-140°	3416.2	16.1
140°-150°	2776.0	13.1
150°-160°	2038.3	9.6
160°-170°	1257.9	5.9
170°-180°	427.4	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°	7465.4	35.2
90°-150°	17494.9	82.5
90°-180°	21218.0	100.0
0°-180°	21218.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	626	925	240	364	524	1037
105°	4587	6160	1682	990	1092	4882
115°	6495	6685	4070	1580	1551	6351
125°	6240	6240	5061	2243	2068	5578
135°	5658	5680	5257	2833	2723	4408
145°	5024	5039	5184	3357	3168	3160
155°	4478	4631	5024	3939	3553	2067
165°	4267	4420	4726	4376	4107	1219
175°	4486	4442	4507	4507	4449	421
180°	4471	4471	4471	4471	4471	



TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-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°	36.4	36.4	36.4	43.7	51.0	51.0	65.5	72.8	65.5	94.7	109.2
95°	626.2	720.9	1034.0	1230.6	1216.0	1150.5	1223.3	1434.5	1543.7	1405.4	1194.2
97.5°	1572.8	1631.1	2279.2	2585.0	2854.4	2985.5	3102.0	3007.3	3058.3	3029.2	2759.7
100°	3167.5	3356.8	3582.6	3895.7	4281.6	4558.3	4769.5	4937.0	4776.8	4521.9	3779.2
102.5°	4055.9	4121.4	4274.3	4434.5	4849.6	5053.5	5264.6	5628.7	5737.9	5687.0	5286.5
105°	4587.4	4623.8	4769.5	5009.8	5330.2	5555.9	5818.0	6291.3	6568.0	6597.2	6626.3
107.5°	5257.3	5337.4	5512.2	5665.1	6043.8	6305.9	6538.9	7026.8	7267.1	7281.6	7179.7
110°	6029.2	6058.3	6218.5	6364.2	6582.6	6735.5	6888.4	7194.3	7332.6	7310.8	7208.8
112.5°	6444.3	6480.7	6538.9	6589.9	6691.8	6757.4	6852.0	7048.6	7128.7	7150.6	7048.6
115°	6495.2	6495.2	6538.9	6546.2	6662.7	6662.7	6706.4	6895.7	6932.1	6961.3	6903.0
117.5°	6451.5	6466.1	6495.2	6480.7	6531.6	6604.5	6589.9	6706.4	6750.1	6728.2	6750.1
120°	6386.0	6371.4	6429.7	6400.6	6437.0	6480.7	6451.5	6538.9	6575.3	6560.8	6633.6
122.5°	6320.5	6320.5	6342.3	6335.0	6320.5	6305.9	6313.2	6371.4	6407.9	6400.6	6444.3
125°	6240.4	6233.1	6225.8	6196.7	6233.1	6211.2	6174.8	6218.5	6247.7	6233.1	6276.8
127.5°	6109.3	6116.6	6102.0	6087.5	6043.8	6036.5	6072.9	6051.0	6123.9	6080.2	6123.9
130°	5978.2	5978.2	5963.7	5934.5	5920.0	5890.9	5883.6	5898.1	5941.8	5956.4	5890.9
132.5°	5876.3	5825.3	5788.9	5767.1	5767.1	5737.9	5723.4	5737.9	5759.8	5796.2	5803.5
135°	5657.8	5628.7	5628.7	5599.6	5643.3	5577.7	5563.2	5585.0	5592.3	5592.3	5636.0
137.5°	5534.1	5461.2	5432.1	5424.8	5417.5	5395.7	5395.7	5424.8	5432.1	5424.8	5461.2
140°	5344.7	5264.6	5293.8	5257.3	5264.6	5228.2	5242.8	5242.8	5271.9	5271.9	5308.3
142.5°	5235.5	5119.0	5104.4	5082.6	5089.9	5075.3	5148.1	5097.2	5126.3	5177.3	5155.4
145°	5024.3	4929.7	4951.5	4929.7	4937.0	4922.4	4958.8	4951.5	4987.9	4980.6	5017.1
147.5°	4798.6	4791.3	4798.6	4784.0	4798.6	4784.0	4827.7	4820.5	4856.9	4878.7	4886.0
150°	4660.3	4631.1	4638.4	4653.0	4638.4	4667.5	4667.5	4696.7	4733.1	4740.4	4769.5
152.5°	4514.6	4507.3	4543.7	4521.9	4536.5	4536.5	4558.3	4565.6	4616.6	4623.8	4696.7
155°	4478.2	4412.7	4412.7	4405.4	4441.8	4441.8	4470.9	4514.6	4536.5	4572.9	4580.2
157.5°	4347.1	4339.9	4339.9	4369.0	4332.6	4376.3	4441.8	4420.0	4478.2	4485.5	4514.6
160°	4296.2	4274.3	4288.9	4303.5	4303.5	4339.9	4390.8	4383.6	4420.0	4463.7	4470.9
162.5°	4325.3	4252.5	4259.8	4296.2	4281.6	4332.6	4339.9	4354.4	4390.8	4405.4	4449.1
165°	4267.0	4245.2	4230.6	4245.2	4288.9	4310.7	4332.6	4347.1	4383.6	4390.8	4412.7
167.5°	4288.9	4281.6	4281.6	4296.2	4325.3	4325.3	4361.7	4354.4	4390.8	4390.8	4405.4
170°	4332.6	4310.7	4325.3	4354.4	4303.5	4383.6	4376.3	4354.4	4412.7	4412.7	4434.5
172.5°	4390.8	4369.0	4376.3	4376.3	4376.3	4420.0	4427.2	4434.5	4441.8	4434.5	4434.5
175°	4485.5	4427.2	4420.0	4420.0	4434.5	4434.5	4449.1	4412.7	4456.4	4456.4	4449.1
177.5°	4463.7	4441.8	4478.2	4441.8	4427.2	4456.4	4478.2	4449.1	4470.9	4449.1	4470.9
180°	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9



TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-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°	94.7	94.7	94.7	87.4	80.1	80.1	80.1	80.1	72.8	65.5	65.5
95°	924.8	735.4	669.9	553.4	466.0	429.6	371.4	371.4	276.7	225.7	240.3
97.5°	2322.8	1805.8	1434.5	1085.0	1034.0	968.5	961.2	815.5	720.9	655.3	568.0
100°	3014.6	2475.8	2148.1	1966.0	1725.8	1616.5	1536.4	1383.5	1288.9	1157.8	1019.4
102.5°	4478.2	3720.9	3080.1	2541.3	2177.2	2024.3	1922.4	1762.2	1645.7	1514.6	1339.8
105°	6160.3	5097.2	4026.8	3218.5	2730.6	2534.0	2359.3	2199.1	2046.1	1842.3	1682.1
107.5°	6611.7	5839.9	5031.6	4128.7	3451.5	3254.9	3051.0	2781.6	2577.7	2402.9	2126.2
110°	6771.9	6153.0	5454.0	4784.0	4237.9	4099.6	3859.3	3589.9	3386.0	3174.8	2905.4
112.5°	6706.4	6320.5	5759.8	5162.7	4718.5	4580.2	4405.4	4237.9	4128.7	3968.5	3611.7
115°	6684.6	6371.4	5978.2	5446.7	5046.2	4893.3	4754.9	4602.0	4572.9	4463.7	4070.4
117.5°	6589.9	6378.7	6080.2	5650.6	5293.8	5191.8	5053.5	4929.7	4915.1	4805.9	4463.7
120°	6524.4	6349.6	6094.7	5810.8	5504.9	5395.7	5279.2	5184.5	5140.8	5060.7	4733.1
122.5°	6371.4	6305.9	6109.3	5869.0	5592.3	5541.3	5432.1	5271.9	5344.7	5257.3	4944.2
125°	6240.4	6204.0	6153.0	5861.7	5665.1	5599.6	5519.5	5424.8	5446.7	5388.4	5060.7
127.5°	6102.0	6094.7	6058.3	5883.6	5701.5	5672.4	5577.7	5504.9	5490.4	5432.1	5140.8
130°	5992.8	5985.5	5934.5	5818.0	5701.5	5694.2	5599.6	5541.3	5534.1	5483.1	5199.1
132.5°	5832.6	5832.6	5861.7	5745.2	5672.4	5650.6	5606.9	5534.1	5555.9	5446.7	5228.2
135°	5679.7	5687.0	5708.8	5650.6	5694.2	5614.2	5570.5	5475.8	5519.5	5475.8	5257.3
137.5°	5504.9	5526.8	5570.5	5548.6	5570.5	5577.7	5519.5	5497.6	5497.6	5454.0	5250.1
140°	5293.8	5381.1	5461.2	5454.0	5497.6	5490.4	5468.5	5366.6	5461.2	5432.1	5257.3
142.5°	5199.1	5250.1	5344.7	5322.9	5417.5	5417.5	5403.0	5395.7	5417.5	5366.6	5228.2
145°	5038.9	5119.0	5191.8	5235.5	5293.8	5352.0	5330.2	5344.7	5352.0	5352.0	5184.5
147.5°	4937.0	5024.3	5119.0	5133.6	5235.5	5250.1	5257.3	5279.2	5322.9	5264.6	5199.1
150°	4827.7	4886.0	4995.2	5038.9	5148.1	5170.0	5162.7	5191.8	5264.6	5220.9	5119.0
152.5°	4660.3	4784.0	4878.7	4944.2	5024.3	5075.3	5082.6	5082.6	5148.1	5148.1	5089.9
155°	4631.1	4696.7	4784.0	4849.6	4937.0	4987.9	4995.2	4995.2	5060.7	5038.9	5024.3
157.5°	4565.6	4653.0	4725.8	4747.6	4856.9	4900.5	4900.5	4915.1	4973.4	4987.9	4937.0
160°	4521.9	4565.6	4653.0	4718.5	4776.8	4827.7	4835.0	4849.6	4886.0	4878.7	4856.9
162.5°	4456.4	4521.9	4602.0	4638.4	4703.9	4754.9	4747.6	4747.6	4813.2	4827.7	4798.6
165°	4420.0	4492.8	4587.4	4609.3	4653.0	4682.1	4674.8	4696.7	4754.9	4740.4	4725.8
167.5°	4434.5	4470.9	4551.0	4543.7	4594.7	4616.6	4616.6	4602.0	4638.4	4587.4	4631.1
170°	4456.4	4456.4	4500.1	4514.6	4558.3	4580.2	4558.3	4558.3	4580.2	4594.7	4602.0
172.5°	4463.7	4456.4	4492.8	4485.5	4500.1	4536.5	4514.6	4485.5	4529.2	4558.3	4521.9
175°	4441.8	4449.1	4507.3	4492.8	4470.9	4507.3	4470.9	4463.7	4529.2	4521.9	4507.3
177.5°	4420.0	4420.0	4456.4	4427.2	4478.2	4478.2	4441.8	4441.8	4514.6	4463.7	4449.1
180°	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9



TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-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°	72.8	80.1	87.4	101.9	109.2	116.5	131.1	145.6	167.5	167.5	196.6
95°	233.0	240.3	240.3	254.9	262.1	262.1	269.4	298.5	327.7	364.1	429.6
97.5°	495.2	436.9	422.3	422.3	429.6	429.6	436.9	451.5	473.3	517.0	582.5
100°	873.8	742.7	648.1	597.1	582.5	575.3	582.5	582.5	618.9	677.2	750.0
102.5°	1143.2	968.5	808.3	735.4	706.3	713.6	706.3	720.9	771.9	822.8	902.9
105°	1441.8	1216.0	1012.1	902.9	859.2	852.0	852.0	866.5	924.8	990.3	1048.6
107.5°	1849.5	1565.6	1267.0	1106.8	1041.3	1026.7	1026.7	1048.6	1085.0	1128.7	1194.2
110°	2504.9	2038.9	1623.8	1368.9	1281.6	1230.6	1201.5	1223.3	1245.2	1281.6	1332.5
112.5°	3116.5	2541.3	1995.2	1609.2	1492.7	1412.6	1368.9	1368.9	1398.1	1427.2	1463.6
115°	3538.9	2898.1	2308.3	1856.8	1689.3	1616.5	1521.9	1529.1	1551.0	1580.1	1602.0
117.5°	3917.5	3233.1	2570.4	2089.8	1900.5	1784.0	1689.3	1667.5	1711.2	1747.6	1762.2
120°	4186.9	3524.3	2832.6	2330.1	2111.7	1980.6	1849.5	1827.7	1871.4	1878.7	1951.5
122.5°	4412.7	3735.5	3058.3	2541.3	2308.3	2199.1	2038.9	2009.7	2038.9	2089.8	2148.1
125°	4558.3	3924.8	3262.2	2737.9	2519.5	2373.8	2206.3	2184.5	2206.3	2242.7	2308.3
127.5°	4674.8	4077.7	3458.8	2941.8	2686.9	2570.4	2402.9	2359.3	2388.4	2402.9	2475.8
130°	4762.2	4252.5	3640.8	3138.4	2912.7	2796.2	2570.4	2526.7	2541.3	2577.7	2614.1
132.5°	4849.6	4361.7	3822.9	3342.3	3123.8	2992.8	2774.3	2679.6	2686.9	2716.1	2752.5
135°	4907.8	4478.2	4012.2	3546.2	3305.9	3203.9	2970.9	2876.3	2839.8	2832.6	2876.3
137.5°	4966.1	4587.4	4157.8	3735.5	3531.6	3415.1	3138.4	3029.2	2992.8	2985.5	3000.0
140°	5017.1	4682.1	4288.9	3939.4	3735.5	3597.1	3342.3	3203.9	3145.7	3116.5	3131.1
142.5°	5038.9	4762.2	4427.2	4157.8	3910.2	3750.0	3538.9	3400.5	3276.7	3240.3	3211.2
145°	5053.5	4886.0	4558.3	4296.2	4106.8	4012.2	3757.3	3575.3	3429.7	3356.8	3342.3
147.5°	5053.5	4878.7	4645.7	4412.7	4252.5	4150.5	3873.8	3757.3	3640.8	3517.0	3458.8
150°	5038.9	4958.8	4711.2	4529.2	4361.7	4281.6	4085.0	3866.6	3742.8	3655.4	3589.9
152.5°	5002.5	4893.3	4747.6	4587.4	4463.7	4412.7	4186.9	4048.6	3917.5	3786.5	3735.5
155°	4966.1	4878.7	4769.5	4638.4	4536.5	4470.9	4310.7	4172.4	4077.7	3939.4	3888.4
157.5°	4922.4	4864.1	4769.5	4696.7	4580.2	4536.5	4376.3	4281.6	4201.5	4063.2	3997.6
160°	4856.9	4820.5	4762.2	4660.3	4609.3	4572.9	4441.8	4369.0	4288.9	4186.9	4136.0
162.5°	4791.3	4798.6	4725.8	4703.9	4623.8	4594.7	4507.3	4427.2	4347.1	4288.9	4245.2
165°	4740.4	4769.5	4696.7	4623.8	4623.8	4609.3	4514.6	4478.2	4441.8	4376.3	4325.3
167.5°	4645.7	4682.1	4682.1	4594.7	4587.4	4609.3	4551.0	4514.6	4485.5	4434.5	4405.4
170°	4631.1	4631.1	4580.2	4587.4	4609.3	4558.3	4521.9	4514.6	4514.6	4485.5	4463.7
172.5°	4543.7	4587.4	4565.6	4551.0	4529.2	4529.2	4507.3	4514.6	4500.1	4507.3	4500.1
175°	4514.6	4521.9	4529.2	4521.9	4500.1	4500.1	4492.8	4500.1	4507.3	4507.3	4492.8
177.5°	4470.9	4492.8	4529.2	4492.8	4507.3	4478.2	4470.9	4485.5	4485.5	4492.8	4478.2
180°	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9



TEST NUMBER: P508365

CATALOG NUMBER: ASYX-X-L4-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°	218.4	233.0	240.3	247.6	254.9	233.0	233.0	211.2	196.6
95°	466.0	502.4	502.4	502.4	524.3	538.8	531.6	524.3	524.3
97.5°	633.5	691.8	735.4	742.7	742.7	742.7	750.0	750.0	735.4
100°	801.0	830.1	859.2	866.5	859.2	859.2	852.0	866.5	859.2
102.5°	961.2	990.3	997.6	1004.9	997.6	990.3	975.7	990.3	961.2
105°	1099.5	1128.7	1121.4	1114.1	1106.8	1092.2	1077.7	1099.5	1092.2
107.5°	1252.4	1259.7	1267.0	1274.3	1245.2	1237.9	1237.9	1252.4	1245.2
110°	1376.2	1405.4	1398.1	1390.8	1390.8	1376.2	1368.9	1376.2	1368.9
112.5°	1507.3	1521.9	1514.6	1514.6	1507.3	1485.5	1463.6	1470.9	1463.6
115°	1645.7	1652.9	1645.7	1631.1	1616.5	1602.0	1572.8	1558.3	1551.0
117.5°	1791.3	1784.0	1769.4	1762.2	1747.6	1740.3	1696.6	1674.8	1667.5
120°	1958.8	1936.9	1907.8	1900.5	1878.7	1871.4	1813.1	1776.7	1769.4
122.5°	2162.6	2126.2	2068.0	2038.9	2031.6	2009.7	1936.9	1922.4	1900.5
125°	2337.4	2322.8	2286.4	2264.6	2235.5	2169.9	2089.8	2053.4	2068.0
127.5°	2504.9	2497.6	2483.0	2453.9	2417.5	2388.4	2322.8	2264.6	2250.0
130°	2643.2	2650.5	2628.7	2606.8	2585.0	2555.9	2483.0	2446.6	2446.6
132.5°	2774.3	2781.6	2796.2	2737.9	2723.3	2694.2	2628.7	2585.0	2599.5
135°	2876.3	2890.8	2869.0	2847.1	2832.6	2803.4	2737.9	2716.1	2723.3
137.5°	3014.6	3000.0	2978.2	2963.6	2927.2	2919.9	2869.0	2832.6	2818.0
140°	3102.0	3109.3	3109.3	3072.9	3036.4	3021.9	2970.9	2934.5	2941.8
142.5°	3218.5	3189.4	3203.9	3167.5	3145.7	3123.8	3058.3	3051.0	3051.0
145°	3305.9	3291.3	3284.0	3254.9	3247.6	3203.9	3182.1	3145.7	3167.5
147.5°	3400.5	3400.5	3400.5	3335.0	3320.4	3298.6	3276.7	3247.6	3269.5
150°	3538.9	3487.9	3473.3	3436.9	3407.8	3393.2	3342.3	3327.7	3349.6
152.5°	3648.1	3589.9	3546.2	3524.3	3517.0	3495.2	3466.1	3444.2	3444.2
155°	3779.2	3699.1	3699.1	3619.0	3597.1	3582.6	3553.4	3546.2	3553.4
157.5°	3917.5	3844.7	3808.3	3764.6	3728.2	3713.6	3677.2	3662.7	3677.2
160°	4019.5	4012.2	3932.1	3910.2	3873.8	3852.0	3844.7	3808.3	3808.3
162.5°	4179.7	4077.7	4063.2	4041.3	4012.2	3983.1	3968.5	3953.9	3968.5
165°	4267.0	4237.9	4201.5	4172.4	4150.5	4143.3	4099.6	4114.1	4106.8
167.5°	4369.0	4347.1	4310.7	4288.9	4296.2	4267.0	4267.0	4230.6	4237.9
170°	4441.8	4456.4	4412.7	4390.8	4376.3	4376.3	4347.1	4347.1	4361.7
172.5°	4492.8	4514.6	4478.2	4463.7	4449.1	4463.7	4434.5	4427.2	4441.8
175°	4507.3	4536.5	4507.3	4500.1	4485.5	4529.2	4478.2	4478.2	4449.1
177.5°	4492.8	4500.1	4529.2	4485.5	4485.5	4500.1	4507.3	4449.1	4485.5
180°	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9	4470.9

(END OF REPORT)