

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: P508462

Luminaire Tested: **ASYX-X-S4-X-U-F-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508462
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-S4-X-U-F-L40-1-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

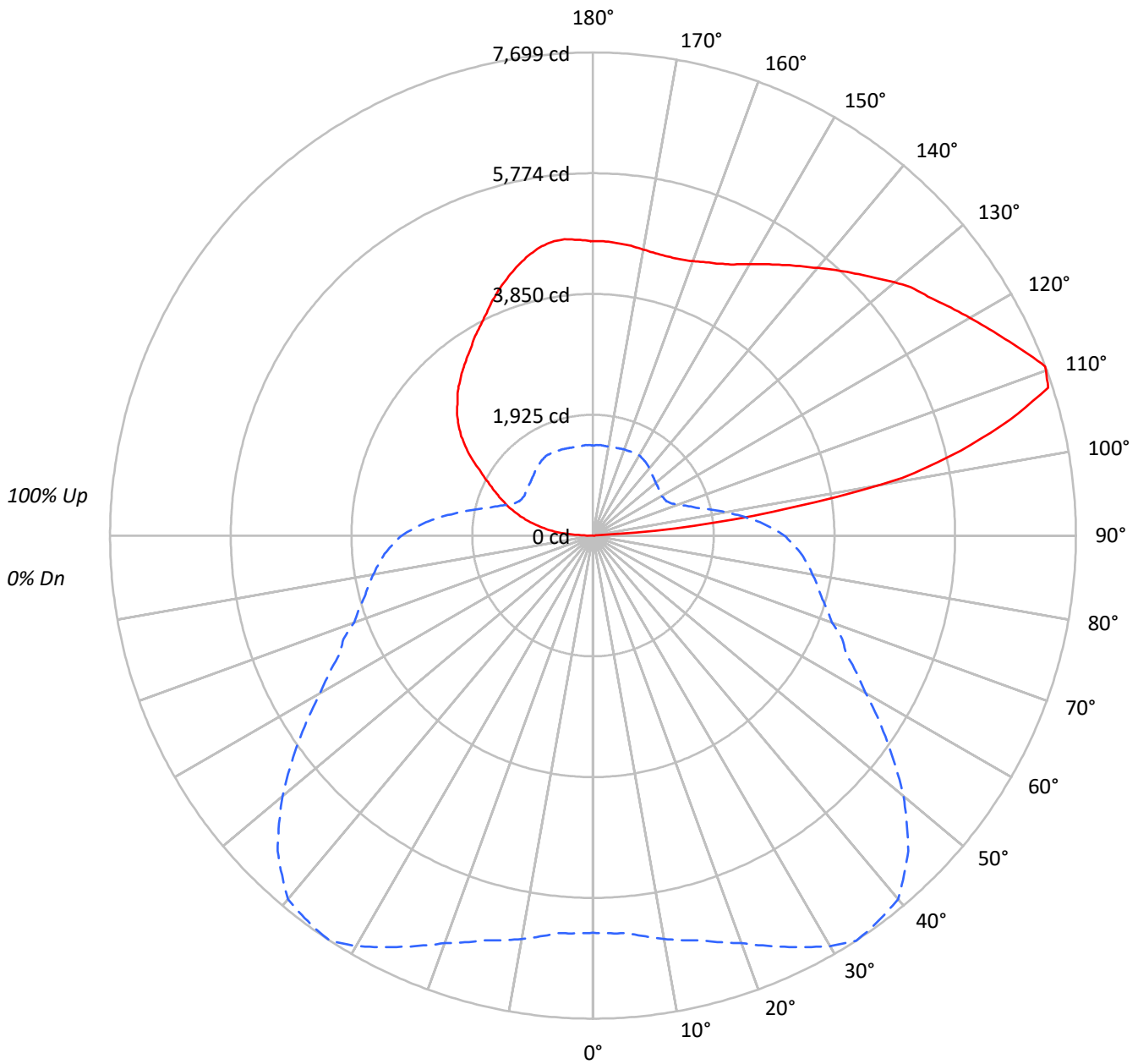
Lumens per Lamp: N/A
Luminaire Lumens: 22279.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
N/A
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508462
CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 33° Lateral - - - Horizontal Cone Through 110° Vertical



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20								20				20				20			
RC	80								50				30				10			
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°	81203	31160	67988
100°	206162	66351	55925
105°	200324	73454	47698
110°	199234	96007	45237
115°	173700	108854	41477
120°	144351	106987	39997
125°	122963	99719	40749
130°	105114	91415	43018
135°	90432	84031	43529
140°	78854	77566	43403
145°	69322	71532	43703
150°	60818	66805	43713
155°	55845	62655	44313
160°	51672	58416	45804
165°	49928	55295	48054
170°	49723	52815	50057
175°	50888	51137	50476



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-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°	808.7	3.6
100°-110°	2982.7	13.4
110°-120°	4047.2	18.2
120°-130°	4029.2	18.1
130°-140°	3586.9	16.1
140°-150°	2914.8	13.1
150°-160°	2140.2	9.6
160°-170°	1320.7	5.9
170°-180°	448.7	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°	7838.6	35.2
90°-150°	18369.5	82.5
90°-180°	22279.0	100.0
0°-180°	22279.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	658	971	252	382	550	1089
105°	4817	6468	1766	1040	1147	5126
115°	6820	7019	4274	1659	1628	6669
125°	6552	6552	5314	2355	2171	5856
135°	5941	5964	5520	2974	2860	4628
145°	5276	5291	5444	3525	3326	3318
155°	4702	4863	5276	4136	3731	2170
165°	4480	4641	4962	4595	4312	1280
175°	4710	4664	4733	4733	4672	442
180°	4694	4694	4694	4694	4694	



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-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°	38.2	38.2	38.2	45.9	53.5	53.5	68.8	76.5	68.8	99.4	114.7
95°	657.5	756.9	1085.7	1292.1	1276.8	1208.0	1284.5	1506.2	1620.9	1475.6	1253.9
97.5°	1651.5	1712.6	2393.1	2714.2	2997.1	3134.7	3257.1	3157.7	3211.2	3180.6	2897.7
100°	3325.9	3524.7	3761.7	4090.4	4495.7	4786.2	5007.9	5183.8	5015.6	4748.0	3968.1
102.5°	4258.6	4327.5	4488.0	4656.2	5092.0	5306.1	5527.8	5910.1	6024.8	5971.3	5550.8
105°	4816.8	4855.0	5007.9	5260.2	5596.6	5833.7	6108.9	6605.9	6896.4	6927.0	6957.6
107.5°	5520.2	5604.3	5787.8	5948.3	6345.9	6621.2	6865.8	7378.1	7630.4	7645.7	7538.6
110°	6330.6	6361.2	6529.4	6682.3	6911.7	7072.3	7232.8	7553.9	7699.2	7676.3	7569.2
112.5°	6766.4	6804.7	6865.8	6919.3	7026.4	7095.2	7194.6	7401.0	7485.1	7508.1	7401.0
115°	6819.9	6819.9	6865.8	6873.5	6995.8	6995.8	7041.7	7240.5	7278.7	7309.3	7248.1
117.5°	6774.1	6789.4	6819.9	6804.7	6858.2	6934.6	6919.3	7041.7	7087.5	7064.6	7087.5
120°	6705.3	6690.0	6751.1	6720.6	6758.8	6804.7	6774.1	6865.8	6904.0	6888.8	6965.2
122.5°	6636.4	6636.4	6659.4	6651.7	6636.4	6621.2	6628.8	6690.0	6728.2	6720.6	6766.4
125°	6552.3	6544.7	6537.1	6506.5	6544.7	6521.8	6483.5	6529.4	6560.0	6544.7	6590.6
127.5°	6414.7	6422.4	6407.1	6391.8	6345.9	6338.3	6376.5	6353.6	6430.0	6384.1	6430.0
130°	6277.1	6277.1	6261.8	6231.2	6215.9	6185.4	6177.7	6193.0	6238.9	6254.2	6185.4
132.5°	6170.1	6116.5	6078.3	6055.4	6055.4	6024.8	6009.5	6024.8	6047.7	6086.0	6093.6
135°	5940.7	5910.1	5910.1	5879.5	5925.4	5856.6	5841.3	5864.2	5871.9	5871.9	5917.8
137.5°	5810.7	5734.3	5703.7	5696.0	5688.4	5665.4	5665.4	5696.0	5703.7	5696.0	5734.3
140°	5611.9	5527.8	5558.4	5520.2	5527.8	5489.6	5504.9	5504.9	5535.5	5535.5	5573.7
142.5°	5497.2	5374.9	5359.6	5336.7	5344.3	5329.0	5405.5	5352.0	5382.6	5436.1	5413.1
145°	5275.5	5176.1	5199.1	5176.1	5183.8	5168.5	5206.7	5199.1	5237.3	5229.6	5267.9
147.5°	5038.5	5030.9	5038.5	5023.2	5038.5	5023.2	5069.1	5061.4	5099.7	5122.6	5130.3
150°	4893.2	4862.7	4870.3	4885.6	4870.3	4900.9	4900.9	4931.5	4969.7	4977.3	5007.9
152.5°	4740.3	4732.7	4770.9	4748.0	4763.3	4763.3	4786.2	4793.8	4847.4	4855.0	4931.5
155°	4702.1	4633.3	4633.3	4625.6	4663.9	4663.9	4694.4	4740.3	4763.3	4801.5	4809.1
157.5°	4564.5	4556.8	4556.8	4587.4	4549.2	4595.1	4663.9	4640.9	4702.1	4709.7	4740.3
160°	4511.0	4488.0	4503.3	4518.6	4518.6	4556.8	4610.3	4602.7	4640.9	4686.8	4694.4
162.5°	4541.5	4465.1	4472.7	4511.0	4495.7	4549.2	4556.8	4572.1	4610.3	4625.6	4671.5
165°	4480.4	4457.4	4442.1	4457.4	4503.3	4526.2	4549.2	4564.5	4602.7	4610.3	4633.3
167.5°	4503.3	4495.7	4495.7	4511.0	4541.5	4541.5	4579.8	4572.1	4610.3	4610.3	4625.6
170°	4549.2	4526.2	4541.5	4572.1	4518.6	4602.7	4595.1	4572.1	4633.3	4633.3	4656.2
172.5°	4610.3	4587.4	4595.1	4595.1	4595.1	4640.9	4648.6	4656.2	4663.9	4656.2	4656.2
175°	4709.7	4648.6	4640.9	4640.9	4656.2	4656.2	4671.5	4633.3	4679.2	4679.2	4671.5
177.5°	4686.8	4663.9	4702.1	4663.9	4648.6	4679.2	4702.1	4671.5	4694.4	4671.5	4694.4
180°	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-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°	99.4	99.4	99.4	91.7	84.1	84.1	84.1	84.1	76.5	68.8	68.8
95°	971.0	772.2	703.4	581.1	489.3	451.1	389.9	389.9	290.5	237.0	252.3
97.5°	2439.0	1896.1	1506.2	1139.2	1085.7	1016.9	1009.2	856.3	756.9	688.1	596.4
100°	3165.3	2599.5	2255.5	2064.3	1812.0	1697.3	1613.2	1452.7	1353.3	1215.7	1070.4
102.5°	4702.1	3906.9	3234.1	2668.3	2286.1	2125.5	2018.5	1850.3	1727.9	1590.3	1406.8
105°	6468.2	5352.0	4228.1	3379.4	2867.1	2660.7	2477.2	2309.0	2148.4	1934.4	1766.2
107.5°	6942.3	6131.8	5283.2	4335.1	3624.1	3417.6	3203.5	2920.6	2706.6	2523.1	2232.5
110°	7110.5	6460.6	5726.6	5023.2	4449.8	4304.5	4052.2	3769.3	3555.2	3333.5	3050.6
112.5°	7041.7	6636.4	6047.7	5420.8	4954.4	4809.1	4625.6	4449.8	4335.1	4166.9	3792.3
115°	7018.7	6690.0	6277.1	5719.0	5298.5	5137.9	4992.6	4832.1	4801.5	4686.8	4273.9
117.5°	6919.3	6697.6	6384.1	5933.0	5558.4	5451.4	5306.1	5176.1	5160.8	5046.1	4686.8
120°	6850.5	6667.0	6399.4	6101.3	5780.1	5665.4	5543.1	5443.7	5397.8	5313.7	4969.7
122.5°	6690.0	6621.2	6414.7	6162.4	5871.9	5818.4	5703.7	5535.5	5611.9	5520.2	5191.4
125°	6552.3	6514.1	6460.6	6154.8	5948.3	5879.5	5795.4	5696.0	5719.0	5657.8	5313.7
127.5°	6407.1	6399.4	6361.2	6177.7	5986.6	5956.0	5856.6	5780.1	5764.8	5703.7	5397.8
130°	6292.4	6284.7	6231.2	6108.9	5986.6	5978.9	5879.5	5818.4	5810.7	5757.2	5459.0
132.5°	6124.2	6124.2	6154.8	6032.4	5956.0	5933.0	5887.2	5810.7	5833.7	5719.0	5489.6
135°	5963.6	5971.3	5994.2	5933.0	5978.9	5894.8	5848.9	5749.5	5795.4	5749.5	5520.2
137.5°	5780.1	5803.1	5848.9	5826.0	5848.9	5856.6	5795.4	5772.5	5772.5	5726.6	5512.5
140°	5558.4	5650.2	5734.3	5726.6	5772.5	5764.8	5741.9	5634.9	5734.3	5703.7	5520.2
142.5°	5459.0	5512.5	5611.9	5589.0	5688.4	5688.4	5673.1	5665.4	5688.4	5634.9	5489.6
145°	5290.8	5374.9	5451.4	5497.2	5558.4	5619.6	5596.6	5611.9	5619.6	5619.6	5443.7
147.5°	5183.8	5275.5	5374.9	5390.2	5497.2	5512.5	5520.2	5543.1	5589.0	5527.8	5459.0
150°	5069.1	5130.3	5244.9	5290.8	5405.5	5428.4	5420.8	5451.4	5527.8	5482.0	5374.9
152.5°	4893.2	5023.2	5122.6	5191.4	5275.5	5329.0	5336.7	5336.7	5405.5	5405.5	5344.3
155°	4862.7	4931.5	5023.2	5092.0	5183.8	5237.3	5244.9	5244.9	5313.7	5290.8	5275.5
157.5°	4793.8	4885.6	4962.0	4985.0	5099.7	5145.5	5145.5	5160.8	5222.0	5237.3	5183.8
160°	4748.0	4793.8	4885.6	4954.4	5015.6	5069.1	5076.7	5092.0	5130.3	5122.6	5099.7
162.5°	4679.2	4748.0	4832.1	4870.3	4939.1	4992.6	4985.0	4985.0	5053.8	5069.1	5038.5
165°	4640.9	4717.4	4816.8	4839.7	4885.6	4916.2	4908.5	4931.5	4992.6	4977.3	4962.0
167.5°	4656.2	4694.4	4778.5	4770.9	4824.4	4847.4	4847.4	4832.1	4870.3	4816.8	4862.7
170°	4679.2	4679.2	4725.0	4740.3	4786.2	4809.1	4786.2	4786.2	4809.1	4824.4	4832.1
172.5°	4686.8	4679.2	4717.4	4709.7	4725.0	4763.3	4740.3	4709.7	4755.6	4786.2	4748.0
175°	4663.9	4671.5	4732.7	4717.4	4694.4	4732.7	4694.4	4686.8	4755.6	4748.0	4732.7
177.5°	4640.9	4640.9	4679.2	4648.6	4702.1	4702.1	4663.9	4663.9	4740.3	4686.8	4671.5
180°	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-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°	76.5	84.1	91.7	107.0	114.7	122.3	137.6	152.9	175.9	175.9	206.4
95°	244.7	252.3	252.3	267.6	275.2	275.2	282.9	313.5	344.1	382.3	451.1
97.5°	519.9	458.7	443.4	443.4	451.1	451.1	458.7	474.0	497.0	542.8	611.7
100°	917.5	779.9	680.5	626.9	611.7	604.0	611.7	611.7	649.9	711.0	787.5
102.5°	1200.4	1016.9	848.7	772.2	741.6	749.3	741.6	756.9	810.4	864.0	948.1
105°	1513.8	1276.8	1062.7	948.1	902.2	894.5	894.5	909.8	971.0	1039.8	1101.0
107.5°	1942.0	1643.8	1330.3	1162.1	1093.3	1078.0	1078.0	1101.0	1139.2	1185.1	1253.9
110°	2630.1	2140.8	1705.0	1437.4	1345.6	1292.1	1261.5	1284.5	1307.4	1345.6	1399.2
112.5°	3272.4	2668.3	2094.9	1689.7	1567.4	1483.3	1437.4	1437.4	1468.0	1498.6	1536.8
115°	3715.8	3043.0	2423.7	1949.6	1773.8	1697.3	1597.9	1605.6	1628.5	1659.1	1682.0
117.5°	4113.4	3394.7	2698.9	2194.3	1995.5	1873.2	1773.8	1750.9	1796.7	1835.0	1850.3
120°	4396.3	3700.5	2974.2	2446.6	2217.2	2079.6	1942.0	1919.1	1964.9	1972.6	2049.0
122.5°	4633.3	3922.2	3211.2	2668.3	2423.7	2309.0	2140.8	2110.2	2140.8	2194.3	2255.5
125°	4786.2	4121.0	3425.3	2874.8	2645.4	2492.5	2316.6	2293.7	2316.6	2354.9	2423.7
127.5°	4908.5	4281.6	3631.7	3088.9	2821.3	2698.9	2523.1	2477.2	2507.8	2523.1	2599.5
130°	5000.3	4465.1	3822.8	3295.3	3058.3	2935.9	2698.9	2653.1	2668.3	2706.6	2744.8
132.5°	5092.0	4579.8	4014.0	3509.4	3280.0	3142.4	2913.0	2813.6	2821.3	2851.8	2890.1
135°	5153.2	4702.1	4212.8	3723.4	3471.1	3364.1	3119.4	3020.0	2981.8	2974.2	3020.0
137.5°	5214.4	4816.8	4365.7	3922.2	3708.2	3585.8	3295.3	3180.6	3142.4	3134.7	3150.0
140°	5267.9	4916.2	4503.3	4136.3	3922.2	3777.0	3509.4	3364.1	3302.9	3272.4	3287.6
142.5°	5290.8	5000.3	4648.6	4365.7	4105.7	3937.5	3715.8	3570.5	3440.6	3402.3	3371.7
145°	5306.1	5130.3	4786.2	4511.0	4312.2	4212.8	3945.2	3754.0	3601.1	3524.7	3509.4
147.5°	5306.1	5122.6	4877.9	4633.3	4465.1	4358.0	4067.5	3945.2	3822.8	3692.9	3631.7
150°	5290.8	5206.7	4946.8	4755.6	4579.8	4495.7	4289.2	4059.9	3929.9	3838.1	3769.3
152.5°	5252.6	5137.9	4985.0	4816.8	4686.8	4633.3	4396.3	4251.0	4113.4	3975.8	3922.2
155°	5214.4	5122.6	5007.9	4870.3	4763.3	4694.4	4526.2	4381.0	4281.6	4136.3	4082.8
157.5°	5168.5	5107.3	5007.9	4931.5	4809.1	4763.3	4595.1	4495.7	4411.6	4266.3	4197.5
160°	5099.7	5061.4	5000.3	4893.2	4839.7	4801.5	4663.9	4587.4	4503.3	4396.3	4342.7
162.5°	5030.9	5038.5	4962.0	4939.1	4855.0	4824.4	4732.7	4648.6	4564.5	4503.3	4457.4
165°	4977.3	5007.9	4931.5	4855.0	4855.0	4839.7	4740.3	4702.1	4663.9	4595.1	4541.5
167.5°	4877.9	4916.2	4916.2	4824.4	4816.8	4839.7	4778.5	4740.3	4709.7	4656.2	4625.6
170°	4862.7	4862.7	4809.1	4816.8	4839.7	4786.2	4748.0	4740.3	4740.3	4709.7	4686.8
172.5°	4770.9	4816.8	4793.8	4778.5	4755.6	4755.6	4732.7	4740.3	4725.0	4732.7	4725.0
175°	4740.3	4748.0	4755.6	4748.0	4725.0	4725.0	4717.4	4725.0	4732.7	4732.7	4717.4
177.5°	4694.4	4717.4	4755.6	4717.4	4732.7	4702.1	4694.4	4709.7	4709.7	4717.4	4702.1
180°	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4



TEST NUMBER: P508462

CATALOG NUMBER: ASYX-X-S4-X-U-F-L40-1-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°	229.4	244.7	252.3	260.0	267.6	244.7	244.7	221.7	206.4
95°	489.3	527.6	527.6	527.6	550.5	565.8	558.1	550.5	550.5
97.5°	665.2	726.3	772.2	779.9	779.9	779.9	787.5	787.5	772.2
100°	841.0	871.6	902.2	909.8	902.2	902.2	894.5	909.8	902.2
102.5°	1009.2	1039.8	1047.5	1055.1	1047.5	1039.8	1024.5	1039.8	1009.2
105°	1154.5	1185.1	1177.4	1169.8	1162.1	1146.9	1131.6	1154.5	1146.9
107.5°	1315.1	1322.7	1330.3	1338.0	1307.4	1299.8	1299.8	1315.1	1307.4
110°	1445.0	1475.6	1468.0	1460.3	1460.3	1445.0	1437.4	1445.0	1437.4
112.5°	1582.7	1597.9	1590.3	1590.3	1582.7	1559.7	1536.8	1544.4	1536.8
115°	1727.9	1735.6	1727.9	1712.6	1697.3	1682.0	1651.5	1636.2	1628.5
117.5°	1880.8	1873.2	1857.9	1850.3	1835.0	1827.3	1781.4	1758.5	1750.9
120°	2056.7	2033.8	2003.2	1995.5	1972.6	1964.9	1903.8	1865.5	1857.9
122.5°	2270.8	2232.5	2171.4	2140.8	2133.1	2110.2	2033.8	2018.5	1995.5
125°	2454.3	2439.0	2400.7	2377.8	2347.2	2278.4	2194.3	2156.1	2171.4
127.5°	2630.1	2622.5	2607.2	2576.6	2538.4	2507.8	2439.0	2377.8	2362.5
130°	2775.4	2783.0	2760.1	2737.2	2714.2	2683.6	2607.2	2568.9	2568.9
132.5°	2913.0	2920.6	2935.9	2874.8	2859.5	2828.9	2760.1	2714.2	2729.5
135°	3020.0	3035.3	3012.4	2989.5	2974.2	2943.6	2874.8	2851.8	2859.5
137.5°	3165.3	3150.0	3127.1	3111.8	3073.6	3065.9	3012.4	2974.2	2958.9
140°	3257.1	3264.7	3264.7	3226.5	3188.2	3173.0	3119.4	3081.2	3088.9
142.5°	3379.4	3348.8	3364.1	3325.9	3302.9	3280.0	3211.2	3203.5	3203.5
145°	3471.1	3455.8	3448.2	3417.6	3410.0	3364.1	3341.2	3302.9	3325.9
147.5°	3570.5	3570.5	3570.5	3501.7	3486.4	3463.5	3440.6	3410.0	3432.9
150°	3715.8	3662.3	3647.0	3608.8	3578.2	3562.9	3509.4	3494.1	3517.0
152.5°	3830.5	3769.3	3723.4	3700.5	3692.9	3669.9	3639.3	3616.4	3616.4
155°	3968.1	3884.0	3884.0	3799.9	3777.0	3761.7	3731.1	3723.4	3731.1
157.5°	4113.4	4036.9	3998.7	3952.8	3914.6	3899.3	3861.1	3845.8	3861.1
160°	4220.4	4212.8	4128.7	4105.7	4067.5	4044.6	4036.9	3998.7	3998.7
162.5°	4388.6	4281.6	4266.3	4243.4	4212.8	4182.2	4166.9	4151.6	4166.9
165°	4480.4	4449.8	4411.6	4381.0	4358.0	4350.4	4304.5	4319.8	4312.2
167.5°	4587.4	4564.5	4526.2	4503.3	4511.0	4480.4	4480.4	4442.1	4449.8
170°	4663.9	4679.2	4633.3	4610.3	4595.1	4595.1	4564.5	4564.5	4579.8
172.5°	4717.4	4740.3	4702.1	4686.8	4671.5	4686.8	4656.2	4648.6	4663.9
175°	4732.7	4763.3	4732.7	4725.0	4709.7	4755.6	4702.1	4702.1	4671.5
177.5°	4717.4	4725.0	4755.6	4709.7	4709.7	4725.0	4732.7	4671.5	4709.7
180°	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4	4694.4

(END OF REPORT)