

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: P508408

Luminaire Tested: **ASYX-X-L6-X-U-W-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-2)
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-W-L30-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(6) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

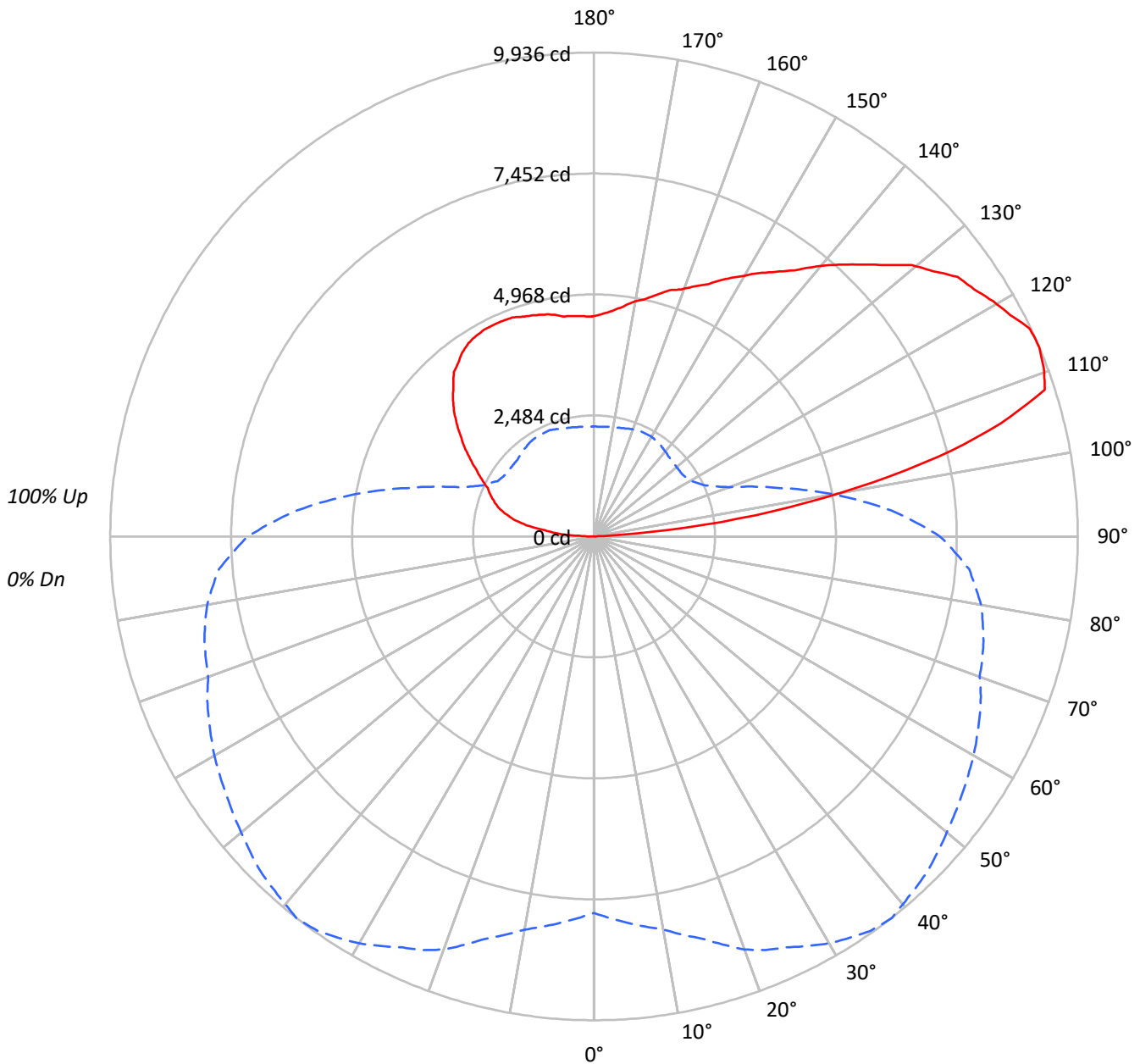
Lumens per Lamp: N/A
Luminaire Lumens: 29872.5 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508408
CATALOG NUMBER: ASYX-X-L6-X-U-W-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 38° Lateral - - - Horizontal Cone Through 112.5° Vertical



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CATALOG NUMBER: ASYX-X-L6-X-U-W-L30-1-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°	46223	51459	65415
100°	126073	97621	59536
105°	126291	104263	54628
110°	140686	128240	46007
115°	148391	128604	38311
120°	139109	113262	35575
125°	121528	96878	35385
130°	104541	80416	36661
135°	88689	69016	37303
140°	74423	58745	38501
145°	62917	51688	38604
150°	53543	45819	38708
155°	46885	41014	37659
160°	42227	37373	36645
165°	38719	35177	35099
170°	35970	33500	33654
175°	33650	32659	32506



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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°	1222.6	4.1
100°-110°	4425.6	14.8
110°-120°	5965.8	20.0
120°-130°	5678.1	19.0
130°-140°	4730.8	15.8
140°-150°	3583.9	12.0
150°-160°	2439.0	8.2
160°-170°	1385.8	4.6
170°-180°	440.8	1.5
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°	11614.0	38.9
90°-150°	25606.9	85.7
90°-180°	29872.0	100.0
0°-180°	29872.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	561	1833	625	625	794	998
105°	4555	9301	3760	1663	1970	4941
115°	8739	9513	7574	2405	2256	8427
125°	9714	8697	7744	3231	2828	8670
135°	8739	7489	6801	4100	3676	6772
145°	7182	6388	5900	4661	4407	4543
155°	5922	5614	5180	4830	4756	2767
165°	5212	5053	4735	4703	4724	1487
175°	4672	4608	4534	4523	4513	455
180°	4513	4513	4513	4513	4513	



TEST NUMBER: P508408

CATALOG NUMBER: ASYX-X-L6-X-U-W-L30-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	38°	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°	84.7	84.7	84.7	95.3	105.9	116.5	116.5	148.3	190.7	201.3	233.0
95°	561.4	646.2	964.0	1112.3	1122.9	1154.6	1154.6	1461.8	1822.0	1906.8	1991.5
97.5°	1504.2	1610.1	1949.1	2214.0	2595.3	2701.2	2828.3	3082.6	3474.5	3707.6	3824.1
100°	3050.8	3072.0	3252.1	3495.7	3908.8	4141.9	4427.9	5127.0	5476.6	5476.6	5349.5
102.5°	3866.5	3887.7	4046.6	4279.6	4766.9	5116.5	5444.8	6292.3	7002.0	7266.8	7372.8
105°	4555.0	4629.2	4798.7	5127.0	5720.3	6112.2	6419.4	7383.4	8209.6	8665.1	9014.7
107.5°	5434.2	5550.8	5836.8	6218.1	6927.9	7383.4	7775.3	8559.2	9279.5	9735.0	9724.4
110°	6705.4	6769.0	7065.6	7563.4	8177.8	8538.0	8781.7	9332.5	9819.8	9862.1	9883.3
112.5°	7732.9	7966.0	8199.0	8548.6	9025.3	9194.8	9311.3	9650.3	9893.9	9936.3	9862.1
115°	8739.3	8824.0	8940.5	9173.6	9396.0	9565.5	9586.7	9766.8	9819.8	9915.1	9745.6
117.5°	9364.3	9406.6	9417.2	9502.0	9618.5	9713.8	9692.7	9745.6	9809.2	9682.1	9597.3
120°	9692.7	9735.0	9660.9	9692.7	9724.4	9745.6	9703.2	9724.4	9607.9	9512.6	9417.2
122.5°	9819.8	9809.2	9735.0	9735.0	9692.7	9682.1	9597.3	9523.2	9438.4	9311.3	9194.8
125°	9713.8	9756.2	9660.9	9586.7	9491.4	9650.3	9438.4	9364.3	9216.0	9173.6	8951.1
127.5°	9576.1	9660.9	9502.0	9427.8	9332.5	9300.7	9173.6	9067.7	8961.7	8845.2	8696.9
130°	9364.3	9396.0	9247.7	9173.6	9078.3	8982.9	8961.7	8728.7	8654.5	8580.4	8379.1
132.5°	9152.4	9099.4	8951.1	8855.8	8739.3	8686.3	8633.3	8432.1	8326.1	8167.3	8061.3
135°	8739.3	8749.9	8612.2	8506.2	8347.3	8347.3	8252.0	8103.7	7966.0	7828.3	7690.6
137.5°	8347.3	8421.5	8220.2	8124.9	8040.1	7976.6	7849.5	7711.8	7563.4	7510.5	7404.6
140°	7944.8	7955.4	7796.5	7711.8	7648.2	7531.7	7457.5	7330.4	7277.4	7182.1	7033.8
142.5°	7595.2	7552.9	7425.7	7330.4	7266.8	7182.1	7139.7	7012.6	6927.9	6843.1	6790.2
145°	7182.1	7171.5	7023.2	6959.6	6906.7	6874.9	6800.7	6705.4	6663.0	6588.9	6588.9
147.5°	6832.5	6779.6	6694.8	6620.7	6557.1	6525.3	6525.3	6355.8	6387.6	6377.0	6281.7
150°	6461.8	6451.2	6334.7	6302.9	6249.9	6271.1	6249.9	6175.8	6175.8	6133.4	6069.8
152.5°	6165.2	6165.2	6069.8	6048.6	6027.5	6016.9	5974.5	5942.7	5942.7	5932.1	5858.0
155°	5921.5	5921.5	5847.4	5836.8	5805.0	5794.4	5773.2	5741.4	5720.3	5699.1	5635.5
157.5°	5720.3	5709.7	5624.9	5635.5	5603.7	5603.7	5593.1	5529.6	5550.8	5540.2	5497.8
160°	5529.6	5519.0	5434.2	5466.0	5444.8	5444.8	5444.8	5402.5	5381.3	5381.3	5285.9
162.5°	5360.1	5381.3	5296.5	5285.9	5296.5	5296.5	5254.2	5222.4	5254.2	5285.9	5190.6
165°	5211.8	5190.6	5158.8	5148.2	5127.0	5105.9	5127.0	5105.9	5084.7	5127.0	5095.3
167.5°	5063.5	5084.7	5021.1	4999.9	4999.9	5042.3	5010.5	4968.1	4989.3	4978.7	4915.2
170°	4936.4	4957.6	4872.8	4872.8	4872.8	4872.8	4841.0	4809.3	4862.2	4883.4	4809.3
172.5°	4809.3	4841.0	4766.9	4756.3	4745.7	4766.9	4745.7	4713.9	4777.5	4745.7	4713.9
175°	4671.5	4724.5	4650.4	4639.8	4660.9	4660.9	4639.8	4618.6	4660.9	4639.8	4618.6
177.5°	4608.0	4608.0	4533.8	4544.4	4544.4	4533.8	4565.6	4555.0	4565.6	4565.6	4608.0
180°	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6



TEST NUMBER: P508408

CATALOG NUMBER: ASYX-X-L6-X-U-W-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°	243.6	286.0	307.2	169.5	169.5	190.7	180.1	158.9	137.7	127.1	127.1
95°	1832.6	1737.3	1790.2	1610.1	1398.3	1228.8	1218.2	1228.8	847.4	635.6	625.0
97.5°	3940.6	3898.2	3569.9	3061.4	2913.1	2923.7	2743.6	2277.5	1906.8	1631.3	1408.9
100°	5127.0	4989.3	4841.0	4947.0	4650.4	4417.3	4088.9	3675.8	3241.5	2870.7	2362.3
102.5°	7309.2	7097.4	6557.1	5963.9	5370.7	5158.8	4915.2	4449.1	3993.6	3559.3	3040.2
105°	9300.7	8940.5	8029.5	7182.1	6377.0	6133.4	5815.6	5296.5	4766.9	4332.6	3760.5
107.5°	9777.4	9512.6	9004.1	8432.1	7732.9	7330.4	7033.8	6472.4	5974.5	5381.3	4724.5
110°	9819.8	9554.9	9237.2	8845.2	8506.2	8273.2	8082.5	7658.8	7298.6	6779.6	6112.2
112.5°	9703.2	9459.6	9226.6	9004.1	8739.3	8601.6	8432.1	8283.8	8071.9	7732.9	7107.9
115°	9512.6	9300.7	9088.9	8898.2	8771.1	8707.5	8622.8	8506.2	8389.7	8135.5	7574.0
117.5°	9332.5	9088.9	8898.2	8834.6	8718.1	8622.8	8612.2	8591.0	8516.8	8389.7	7849.5
120°	9152.4	8961.7	8771.1	8633.3	8591.0	8580.4	8580.4	8516.8	8538.0	8432.1	7891.8
122.5°	8866.4	8718.1	8559.2	8495.6	8315.6	8357.9	8379.1	8336.7	8421.5	8347.3	7838.9
125°	8696.9	8548.6	8347.3	8252.0	8220.2	8177.8	8220.2	8146.1	8188.4	8135.5	7743.5
127.5°	8410.9	8220.2	8114.3	8040.1	8019.0	7870.6	7944.8	7955.4	7966.0	7881.2	7531.7
130°	8103.7	7997.8	7754.1	7785.9	7785.9	7732.9	7743.5	7701.2	7680.0	7605.8	7203.3
132.5°	7881.2	7743.5	7584.6	7542.3	7499.9	7489.3	7489.3	7415.1	7415.1	7319.8	7055.0
135°	7489.3	7394.0	7330.4	7288.0	7277.4	7235.1	7235.1	7160.9	7150.3	7065.6	6800.7
137.5°	7213.9	7118.5	7065.6	7033.8	7002.0	6927.9	6970.2	6906.7	6843.1	6821.9	6567.7
140°	6938.5	6864.3	6821.9	6769.0	6758.4	6716.0	6716.0	6641.9	6620.7	6525.3	6271.1
142.5°	6705.4	6663.0	6578.3	6557.1	6483.0	6493.5	6440.6	6451.2	6366.4	6260.5	6059.2
145°	6387.6	6398.2	6355.8	6313.5	6302.9	6239.3	6249.9	6186.4	6133.4	6059.2	5900.3
147.5°	6218.1	6218.1	6154.6	6101.6	6059.2	6048.6	5995.7	6006.3	5921.5	5815.6	5709.7
150°	5995.7	5974.5	5910.9	5879.2	5847.4	5847.4	5794.4	5762.6	5699.1	5667.3	5529.6
152.5°	5836.8	5783.8	5752.0	5688.5	5688.5	5635.5	5593.1	5572.0	5519.0	5455.4	5349.5
155°	5614.3	5593.1	5550.8	5540.2	5497.8	5455.4	5381.3	5370.7	5338.9	5275.3	5180.0
157.5°	5434.2	5466.0	5402.5	5370.7	5307.1	5296.5	5222.4	5233.0	5169.4	5127.0	5042.3
160°	5349.5	5296.5	5233.0	5222.4	5201.2	5116.5	5105.9	5074.1	5031.7	4999.9	4894.0
162.5°	5158.8	5148.2	5116.5	5095.3	5021.1	5021.1	4894.0	4947.0	4915.2	4883.4	4830.4
165°	5052.9	5063.5	4989.3	4968.1	4947.0	4904.6	4872.8	4841.0	4809.3	4788.1	4735.1
167.5°	4915.2	4894.0	4872.8	4830.4	4841.0	4809.3	4777.5	4756.3	4735.1	4713.9	4671.5
170°	4798.7	4788.1	4766.9	4735.1	4745.7	4713.9	4713.9	4671.5	4660.9	4650.4	4597.4
172.5°	4703.3	4703.3	4682.1	4682.1	4671.5	4639.8	4618.6	4597.4	4597.4	4576.2	4565.6
175°	4608.0	4618.6	4608.0	4597.4	4597.4	4576.2	4576.2	4586.8	4565.6	4565.6	4533.8
177.5°	4533.8	4533.8	4533.8	4533.8	4533.8	4533.8	4533.8	4523.2	4533.8	4523.2	4491.5
180°	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6



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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°	137.7	148.3	158.9	169.5	201.3	190.7	222.5	233.0	254.2	296.6	307.2
95°	561.4	561.4	550.8	550.8	529.7	529.7	519.1	508.5	561.4	625.0	709.7
97.5°	1154.6	985.2	900.4	868.6	858.0	847.4	826.3	794.5	815.7	868.6	974.6
100°	1949.1	1610.1	1334.7	1175.8	1144.1	1091.1	1069.9	1059.3	1059.3	1165.2	1334.7
102.5°	2521.1	2023.3	1663.1	1430.1	1366.5	1313.5	1281.8	1281.8	1302.9	1430.1	1620.7
105°	3188.5	2552.9	2002.1	1694.9	1641.9	1567.8	1514.8	1525.4	1546.6	1663.1	1832.6
107.5°	3993.6	3230.9	2574.1	2097.4	1980.9	1875.0	1790.2	1790.2	1800.8	1875.0	2002.1
110°	5201.2	4216.0	3230.9	2521.1	2330.5	2214.0	2012.7	2012.7	2002.1	2055.1	2139.8
112.5°	6122.8	4978.7	3855.9	2944.9	2680.0	2489.4	2277.5	2214.0	2214.0	2224.5	2277.5
115°	6673.6	5487.2	4290.2	3336.8	2987.2	2754.2	2489.4	2415.2	2383.4	2404.6	2383.4
117.5°	6991.4	5794.4	4660.9	3622.8	3294.4	3029.6	2701.2	2605.9	2552.9	2595.3	2584.7
120°	7150.3	6069.8	4957.6	3919.4	3580.5	3273.3	2923.7	2828.3	2786.0	2786.0	2796.6
122.5°	7171.5	6218.1	5127.0	4184.3	3845.3	3548.7	3188.5	3050.8	3008.4	3019.0	3019.0
125°	7097.4	6196.9	5285.9	4396.1	4067.7	3771.1	3400.4	3283.9	3188.5	3230.9	3241.5
127.5°	6980.8	6144.0	5381.3	4565.6	4269.0	4004.2	3665.2	3527.5	3442.7	3463.9	3453.3
130°	6811.3	6080.4	5466.0	4713.9	4459.7	4194.9	3898.2	3771.1	3654.6	3665.2	3675.8
132.5°	6641.9	6059.2	5508.4	4830.4	4618.6	4396.1	4099.5	3972.4	3866.5	3877.1	3877.1
135°	6461.8	6006.3	5455.4	4904.6	4798.7	4565.6	4322.0	4184.3	4099.5	4099.5	4078.3
137.5°	6271.1	5879.2	5497.8	5052.9	4904.6	4713.9	4470.3	4364.3	4279.6	4269.0	4258.4
140°	6101.6	5741.4	5444.8	5084.7	4978.7	4830.4	4629.2	4544.4	4427.9	4406.7	4470.3
142.5°	5932.1	5677.9	5497.8	5158.8	5052.9	4925.8	4777.5	4660.9	4576.2	4555.0	4544.4
145°	5762.6	5614.3	5413.1	5137.6	5095.3	4968.1	4809.3	4777.5	4682.1	4660.9	4660.9
147.5°	5593.1	5466.0	5317.7	5127.0	5127.0	5021.1	4947.0	4851.6	4777.5	4735.1	4735.1
150°	5444.8	5338.9	5264.8	5116.5	5105.9	5021.1	4957.6	4915.2	4830.4	4809.3	4798.7
152.5°	5307.1	5211.8	5148.2	5052.9	5042.3	4925.8	4947.0	4904.6	4819.8	4798.7	4798.7
155°	5137.6	5127.0	5052.9	4957.6	4999.9	4936.4	4883.4	4936.4	4809.3	4830.4	4830.4
157.5°	5021.1	5010.5	4999.9	4904.6	4915.2	4883.4	4851.6	4894.0	4788.1	4798.7	4798.7
160°	4894.0	4872.8	4872.8	4788.1	4851.6	4788.1	4798.7	4819.8	4756.3	4766.9	4798.7
162.5°	4830.4	4788.1	4788.1	4756.3	4777.5	4756.3	4703.3	4777.5	4766.9	4745.7	4756.3
165°	4724.5	4713.9	4735.1	4671.5	4724.5	4660.9	4682.1	4713.9	4692.7	4703.3	4713.9
167.5°	4660.9	4650.4	4660.9	4629.2	4660.9	4639.8	4629.2	4671.5	4650.4	4660.9	4671.5
170°	4608.0	4608.0	4618.6	4586.8	4618.6	4586.8	4618.6	4618.6	4608.0	4608.0	4629.2
172.5°	4586.8	4555.0	4586.8	4533.8	4586.8	4523.2	4544.4	4576.2	4565.6	4555.0	4555.0
175°	4544.4	4533.8	4565.6	4512.6	4544.4	4512.6	4512.6	4544.4	4533.8	4523.2	4565.6
177.5°	4544.4	4512.6	4544.4	4491.5	4523.2	4502.1	4502.1	4533.8	4512.6	4512.6	4544.4
180°	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6



TEST NUMBER: P508408

CATALOG NUMBER: ASYX-X-L6-X-U-W-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°	307.2	360.2	370.8	402.5	391.9	328.4	286.0	233.0	201.3
95°	805.1	889.8	974.6	964.0	995.7	932.2	868.6	836.9	794.5
97.5°	1080.5	1218.2	1302.9	1302.9	1313.5	1271.2	1250.0	1271.2	1218.2
100°	1525.4	1620.7	1652.5	1641.9	1610.1	1536.0	1493.6	1472.4	1440.7
102.5°	1790.2	1896.2	1927.9	1906.8	1885.6	1853.8	1811.4	1790.2	1779.6
105°	1970.3	2065.6	2108.0	2097.4	2086.8	2033.9	1949.1	1980.9	1970.3
107.5°	2139.8	2203.4	2245.7	2214.0	2203.4	2171.6	2118.6	2150.4	2108.0
110°	2245.7	2298.7	2309.3	2309.3	2288.1	2256.3	2214.0	2224.5	2192.8
112.5°	2330.5	2362.3	2362.3	2362.3	2341.1	2298.7	2277.5	2256.3	2256.3
115°	2425.8	2404.6	2415.2	2415.2	2394.0	2330.5	2298.7	2277.5	2256.3
117.5°	2595.3	2563.5	2531.7	2531.7	2478.8	2436.4	2404.6	2372.8	2341.1
120°	2754.2	2733.0	2711.8	2680.0	2648.3	2595.3	2542.3	2500.0	2478.8
122.5°	2966.1	2913.1	2881.3	2902.5	2838.9	2786.0	2722.4	2680.0	2627.1
125°	3199.1	3156.7	3103.8	3082.6	3029.6	2987.2	2934.3	2891.9	2828.3
127.5°	3400.4	3336.8	3315.6	3305.0	3241.5	3188.5	3103.8	3072.0	3072.0
130°	3633.4	3559.3	3569.9	3516.9	3463.9	3379.2	3294.4	3294.4	3283.9
132.5°	3855.9	3771.1	3760.5	3739.4	3675.8	3612.2	3559.3	3548.7	3506.3
135°	4036.0	3972.4	3961.8	3940.6	3887.7	3824.1	3739.4	3760.5	3675.8
137.5°	4194.9	4163.1	4152.5	4110.1	4057.1	4046.6	3951.2	3940.6	3887.7
140°	4374.9	4311.4	4353.8	4300.8	4237.2	4216.0	4088.9	4110.1	4110.1
142.5°	4502.1	4470.3	4459.7	4438.5	4396.1	4353.8	4322.0	4279.6	4300.8
145°	4629.2	4608.0	4586.8	4586.8	4523.2	4502.1	4438.5	4438.5	4406.7
147.5°	4735.1	4692.7	4692.7	4671.5	4639.8	4618.6	4555.0	4586.8	4533.8
150°	4735.1	4756.3	4735.1	4735.1	4745.7	4735.1	4682.1	4660.9	4671.5
152.5°	4819.8	4788.1	4766.9	4809.3	4756.3	4788.1	4713.9	4735.1	4713.9
155°	4777.5	4798.7	4809.3	4788.1	4788.1	4788.1	4756.3	4809.3	4756.3
157.5°	4819.8	4798.7	4809.3	4798.7	4777.5	4809.3	4777.5	4819.8	4788.1
160°	4798.7	4777.5	4798.7	4788.1	4766.9	4809.3	4809.3	4841.0	4798.7
162.5°	4724.5	4745.7	4798.7	4766.9	4766.9	4841.0	4724.5	4830.4	4766.9
165°	4703.3	4713.9	4735.1	4756.3	4713.9	4745.7	4745.7	4756.3	4724.5
167.5°	4682.1	4639.8	4682.1	4682.1	4692.7	4692.7	4692.7	4713.9	4671.5
170°	4639.8	4555.0	4639.8	4639.8	4618.6	4618.6	4608.0	4671.5	4618.6
172.5°	4565.6	4544.4	4576.2	4576.2	4597.4	4586.8	4586.8	4597.4	4565.6
175°	4523.2	4533.8	4576.2	4544.4	4533.8	4544.4	4512.6	4544.4	4512.6
177.5°	4502.1	4502.1	4512.6	4523.2	4544.4	4523.2	4491.5	4523.2	4491.5
180°	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6	4512.6

(END OF REPORT)