

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: P508402

Luminaire Tested: **ASYX-X-L6-X-U-HSS-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-3)
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-HSS-L40-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(6) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR
OPTICS WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

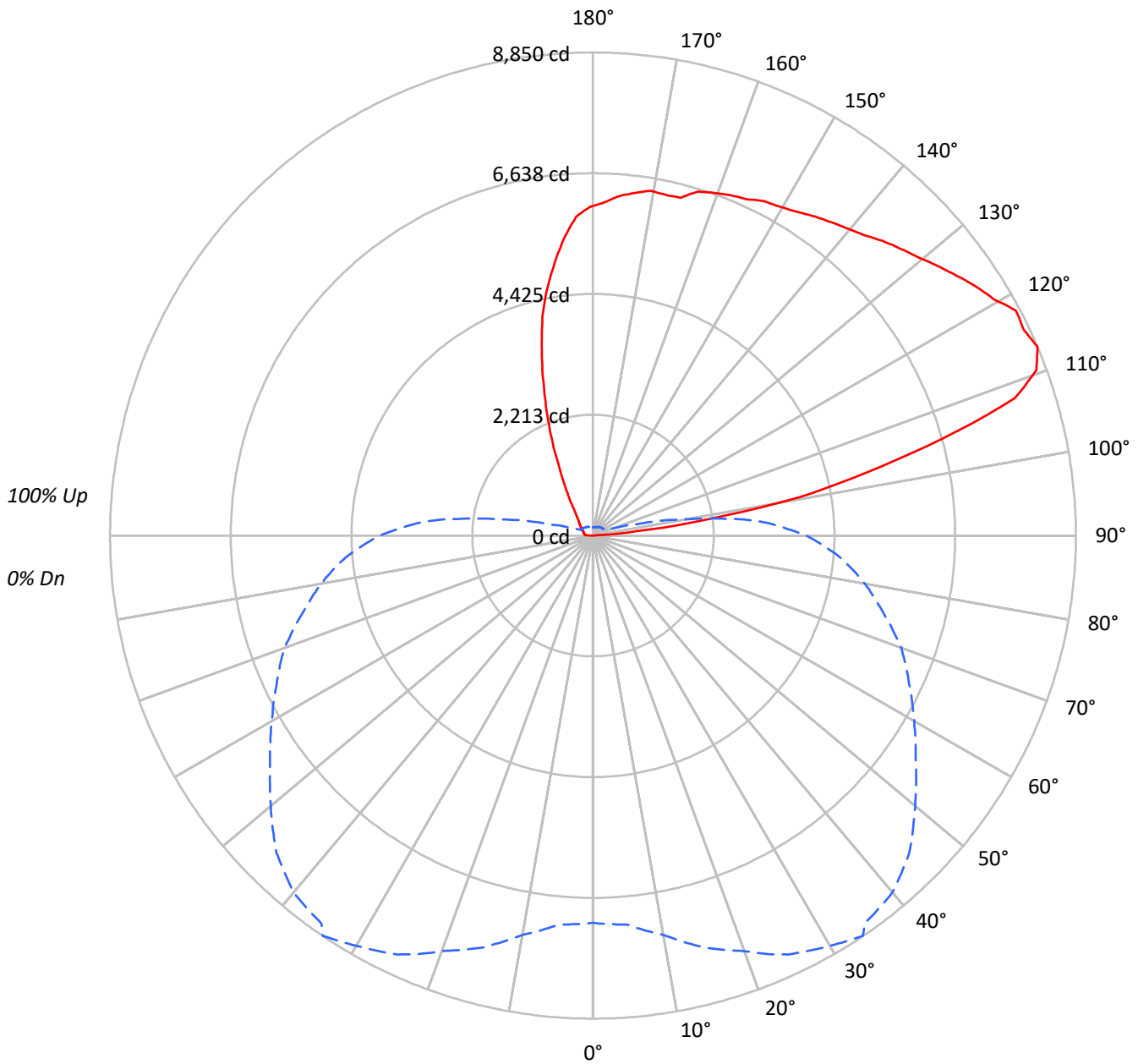
Lumens per Lamp: N/A
Luminaire Lumens: 20743.7 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508402
CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 34° Lateral - - - Horizontal Cone Through 112.5° Vertical



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				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°	947	11403	13297
100°	38626	23365	7153
105°	118372	37111	4478
110°	135817	63671	3147
115°	123826	74453	2742
120°	105987	72038	2649
125°	89071	69149	2742
130°	80383	64796	2963
135°	71198	60424	3162
140°	65827	55235	3567
145°	60246	51148	4044
150°	57080	47328	5641
155°	53629	45042	8588
160°	51196	43882	13570
165°	49034	43376	21345
170°	47337	43301	31362
175°	45466	43222	38567



TEST NUMBER: P508402

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	403.4	1.9
100°-110°	2528.2	12.2
110°-120°	3907.8	18.8
120°-130°	3771.3	18.2
130°-140°	3275.4	15.8
140°-150°	2699.7	13.0
150°-160°	2127.3	10.3
160°-170°	1475.8	7.1
170°-180°	554.7	2.7
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°	6839.4	33.0
90°-150°	16585.9	80.0
90°-180°	20744.0	100.0
0°-180°	20743.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	12	104	138	127	162	196
105°	4269	6854	1338	173	162	4190
115°	7293	8320	4385	219	162	7093
125°	7120	8112	5527	288	219	6511
135°	7016	7443	5954	404	312	5456
145°	6877	6958	5839	819	462	4360
155°	6773	6681	5689	2008	1085	3121
165°	6600	6416	5839	3969	2873	1875
175°	6312	6196	6000	5608	5354	605
180°	6023	6023	6023	6023	6023	



TEST NUMBER: P508402

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L40-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	34°	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°	0.0	0.0	11.5	11.5	34.6	23.1	23.1	34.6	46.2	57.7	23.1
95°	11.5	11.5	23.1	300.0	900.0	992.3	946.2	911.6	796.2	692.3	173.1
97.5°	242.3	288.5	461.6	1234.7	2503.9	2884.7	3069.3	2515.5	2065.5	1915.5	1027.0
100°	934.7	1084.7	1500.1	2838.6	4234.8	4327.1	4292.5	4177.1	3842.5	3623.2	2780.9
102.5°	2492.4	2596.3	3173.2	4361.7	5123.3	5284.8	5284.8	5181.0	5146.4	5077.1	4811.7
105°	4269.4	4384.8	4846.3	5457.9	5919.5	6092.5	6184.9	6415.6	6646.4	6681.0	6934.9
107.5°	5457.9	5573.3	5931.0	6392.6	6992.6	7211.8	7477.2	7846.5	8134.9	8100.3	8042.6
110°	6473.3	6600.3	6934.9	7396.4	7834.9	8100.3	8354.2	8515.7	8677.3	8515.7	8434.9
112.5°	7096.4	7154.1	7431.1	7811.8	8100.3	8296.5	8469.6	8677.3	8850.3	8677.3	8538.8
115°	7292.6	7327.2	7569.5	7834.9	8146.5	8331.1	8458.0	8677.3	8746.5	8711.9	8596.5
117.5°	7281.0	7431.1	7638.8	7823.4	8123.4	8273.4	8400.3	8573.4	8781.1	8688.8	8573.4
120°	7384.9	7396.4	7615.7	7834.9	8054.2	8181.1	8181.1	8434.9	8527.3	8504.2	8481.1
122.5°	7350.3	7384.9	7569.5	7708.0	7938.8	8042.6	8146.5	8273.4	8377.2	8342.6	8342.6
125°	7119.5	7338.7	7442.6	7604.1	7823.4	7892.6	7996.5	8100.3	8192.6	8158.0	8146.5
127.5°	7258.0	7269.5	7361.8	7534.9	7673.4	7719.5	7834.9	7927.2	8019.5	8008.0	8031.1
130°	7200.3	7165.7	7384.9	7454.1	7558.0	7638.8	7696.4	7777.2	7846.5	7846.5	7869.5
132.5°	7154.1	7154.1	7223.4	7361.8	7454.1	7511.8	7604.1	7627.2	7708.0	7731.1	7684.9
135°	7015.7	7108.0	7211.8	7258.0	7361.8	7408.0	7454.1	7500.3	7569.5	7592.6	7511.8
137.5°	6877.2	7015.7	7154.1	7223.4	7304.1	7304.1	7304.1	7373.4	7408.0	7442.6	7361.8
140°	7027.2	7015.7	7142.6	7131.0	7177.2	7165.7	7246.4	7258.0	7304.1	7281.0	7234.9
142.5°	6992.6	6992.6	7027.2	7073.3	7061.8	7084.9	7142.6	7200.3	7200.3	7223.4	7142.6
145°	6877.2	6911.8	6969.5	7015.7	7015.7	7004.1	7073.3	7084.9	7108.0	7096.4	7050.3
147.5°	6923.3	6923.3	6923.3	6981.0	6981.0	6981.0	6992.6	7004.1	7004.1	7015.7	6981.0
150°	6888.7	6900.3	6923.3	6900.3	6958.0	6865.6	6923.3	6923.3	6923.3	6934.9	6911.8
152.5°	6657.9	6819.5	6877.2	6865.6	6819.5	6842.6	6854.1	6900.3	6877.2	6900.3	6831.0
155°	6773.3	6761.8	6773.3	6784.9	6750.3	6773.3	6784.9	6784.9	6773.3	6784.9	6727.2
157.5°	6738.7	6727.2	6784.9	6715.6	6750.3	6773.3	6727.2	6761.8	6727.2	6773.3	6750.3
160°	6704.1	6681.0	6727.2	6681.0	6727.2	6669.5	6634.9	6692.6	6657.9	6738.7	6623.3
162.5°	6657.9	6646.4	6692.6	6634.9	6588.7	6565.6	6600.3	6611.8	6588.7	6611.8	6554.1
165°	6600.3	6600.3	6600.3	6542.6	6577.2	6577.2	6531.0	6542.6	6392.6	6554.1	6484.9
167.5°	6554.1	6600.3	6542.6	6484.9	6554.1	6554.1	6473.3	6484.9	6381.0	6461.8	6427.2
170°	6496.4	6450.2	6461.8	6461.8	6519.5	6415.6	6357.9	6461.8	6404.1	6461.8	6404.1
172.5°	6357.9	6404.1	6404.1	6381.0	6346.4	6346.4	6334.9	6357.9	6323.3	6334.9	6300.2
175°	6311.8	6311.8	6334.9	6369.5	6300.2	6288.7	6219.5	6277.2	6242.5	6265.6	6231.0
177.5°	6138.7	6231.0	6219.5	6138.7	6184.9	6115.6	6150.2	6173.3	6104.1	6161.8	6104.1
180°	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3



TEST NUMBER: P508402

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	23.1	23.1	23.1	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
95°	103.9	138.5	334.6	276.9	207.7	196.2	219.2	196.2	173.1	150.0	138.5
97.5°	830.8	934.7	980.8	865.4	853.9	784.6	703.9	530.8	484.6	426.9	334.6
100°	2273.2	2019.3	1892.4	1684.7	1361.6	1234.7	1130.8	934.7	761.6	669.3	565.4
102.5°	4350.2	3877.1	3265.5	2619.3	2134.7	1950.1	1742.4	1453.9	1223.1	1015.4	842.3
105°	6854.1	5954.1	4765.6	3900.1	3254.0	2850.1	2665.5	2203.9	1823.1	1592.4	1338.5
107.5°	7684.9	7108.0	6369.5	5469.4	4707.9	4338.6	3934.8	3323.2	2838.6	2411.6	2030.8
110°	8031.1	7534.9	6981.0	6450.2	5931.0	5596.4	5319.4	4696.3	4096.3	3565.5	3034.7
112.5°	8204.2	7708.0	7223.4	6796.4	6392.6	6207.9	6011.8	5515.6	5054.0	4546.3	3911.7
115°	8319.6	7927.2	7500.3	7050.3	6738.7	6542.6	6369.5	5919.5	5492.5	5031.0	4384.8
117.5°	8377.2	7984.9	7673.4	7304.1	6981.0	6819.5	6634.9	6231.0	5804.1	5377.1	4731.0
120°	8308.0	8042.6	7788.8	7477.2	7165.7	7004.1	6854.1	6450.2	6057.9	5654.1	5019.4
122.5°	8215.7	8065.7	7869.5	7558.0	7327.2	7188.7	7061.8	6657.9	6311.8	5850.2	5273.3
125°	8111.9	7961.8	7754.1	7558.0	7373.4	7269.5	7177.2	6819.5	6461.8	6069.5	5527.1
127.5°	7950.3	7811.8	7650.3	7488.7	7350.3	7246.4	7211.8	6900.3	6565.6	6219.5	5665.6
130°	7777.2	7661.8	7523.4	7361.8	7269.5	7154.1	7165.7	6888.7	6623.3	6300.2	5804.1
132.5°	7546.4	7465.7	7431.1	7258.0	7165.7	7108.0	7027.2	6842.6	6623.3	6369.5	5896.4
135°	7442.6	7361.8	7304.1	7154.1	7015.7	6992.6	6877.2	6773.3	6588.7	6404.1	5954.1
137.5°	7258.0	7211.8	7177.2	7015.7	6877.2	6877.2	6842.6	6704.1	6542.6	6288.7	5907.9
140°	7177.2	7119.5	7027.2	6900.3	6819.5	6750.3	6715.6	6600.3	6404.1	6207.9	5896.4
142.5°	7038.7	6992.6	6969.5	6854.1	6727.2	6657.9	6588.7	6461.8	6323.3	6184.9	5850.2
145°	6958.0	6946.4	6923.3	6808.0	6611.8	6577.2	6554.1	6415.6	6288.7	6069.5	5838.7
147.5°	6854.1	6865.6	6842.6	6704.1	6577.2	6496.4	6438.7	6311.8	6219.5	6034.8	5746.4
150°	6784.9	6796.4	6773.3	6600.3	6461.8	6427.2	6404.1	6277.2	6104.1	5954.1	5711.8
152.5°	6750.3	6715.6	6657.9	6588.7	6438.7	6357.9	6334.9	6196.4	6104.1	5919.5	5688.7
155°	6681.0	6634.9	6600.3	6484.9	6392.6	6311.8	6254.1	6173.3	6069.5	5884.8	5688.7
157.5°	6611.8	6565.6	6542.6	6519.5	6392.6	6277.2	6265.6	6173.3	6011.8	5873.3	5711.8
160°	6542.6	6427.2	6519.5	6381.0	6346.4	6254.1	6184.9	6127.2	6011.8	5884.8	5746.4
162.5°	6473.3	6438.7	6427.2	6346.4	6277.2	6219.5	6115.6	6150.2	6011.8	5896.4	5792.5
165°	6415.6	6381.0	6369.5	6346.4	6242.5	6196.4	6173.3	6104.1	6046.4	5931.0	5838.7
167.5°	6357.9	6300.2	6323.3	6300.2	6173.3	6207.9	6150.2	6104.1	6069.5	5977.2	5884.8
170°	6346.4	6231.0	6288.7	6277.2	6184.9	6173.3	6104.1	6092.5	6057.9	5988.7	5942.5
172.5°	6288.7	6207.9	6242.5	6207.9	6161.8	6127.2	6127.2	6138.7	6081.0	6034.8	5977.2
175°	6196.4	6150.2	6161.8	6196.4	6127.2	6104.1	6046.4	6092.5	6104.1	6023.3	6000.2
177.5°	6092.5	6138.7	6104.1	6150.2	6092.5	6081.0	6046.4	6081.0	6081.0	6011.8	6011.8
180°	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3



TEST NUMBER: P508402

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	34.6	46.2	46.2	57.7	69.2	69.2	80.8	80.8	92.3	103.9	115.4
95°	69.2	57.7	69.2	80.8	80.8	92.3	103.9	103.9	115.4	126.9	126.9
97.5°	138.5	92.3	92.3	92.3	103.9	103.9	115.4	126.9	138.5	138.5	138.5
100°	265.4	150.0	150.0	115.4	115.4	126.9	126.9	138.5	150.0	150.0	150.0
102.5°	461.6	276.9	219.2	150.0	138.5	138.5	150.0	150.0	161.5	161.5	161.5
105°	865.4	553.9	311.6	184.6	173.1	161.5	161.5	161.5	173.1	173.1	173.1
107.5°	1523.1	888.5	438.5	242.3	207.7	184.6	184.6	184.6	184.6	184.6	184.6
110°	2319.3	1303.9	600.0	311.6	253.9	219.2	207.7	207.7	196.2	196.2	196.2
112.5°	3046.3	1707.8	761.6	380.8	300.0	253.9	230.8	219.2	219.2	207.7	196.2
115°	3507.8	2007.8	923.1	438.5	346.2	288.5	242.3	242.3	230.8	219.2	207.7
117.5°	3842.5	2319.3	1119.3	530.8	403.9	334.6	265.4	253.9	242.3	242.3	230.8
120°	4165.5	2642.4	1327.0	634.6	484.6	380.8	300.0	276.9	265.4	253.9	242.3
122.5°	4477.1	2954.0	1557.8	761.6	565.4	450.0	334.6	300.0	288.5	265.4	265.4
125°	4719.4	3277.0	1823.1	923.1	680.8	530.8	380.8	323.1	300.0	288.5	276.9
127.5°	4984.8	3600.1	2100.1	1096.2	807.7	634.6	438.5	357.7	334.6	311.6	300.0
130°	5181.0	3911.7	2400.1	1327.0	992.3	761.6	519.3	403.9	357.7	334.6	323.1
132.5°	5331.0	4177.1	2700.1	1580.8	1211.6	923.1	623.1	484.6	403.9	369.2	346.2
135°	5377.1	4407.9	3011.7	1857.8	1442.4	1130.8	761.6	576.9	461.6	403.9	380.8
137.5°	5423.3	4592.5	3311.7	2169.3	1742.4	1384.7	923.1	692.3	553.9	473.1	415.4
140°	5400.2	4731.0	3600.1	2515.5	2053.9	1661.6	1142.4	842.3	669.3	565.4	484.6
142.5°	5388.7	4846.3	3900.1	2838.6	2377.0	1984.7	1407.7	1038.5	819.3	669.3	576.9
145°	5411.7	4927.1	4119.4	3184.7	2757.8	2353.9	1730.8	1269.3	1003.9	819.3	715.4
147.5°	5331.0	4973.3	4384.8	3484.7	3092.4	2700.1	2077.0	1580.8	1257.7	1027.0	877.0
150°	5400.2	4996.3	4500.2	3784.8	3415.5	3057.8	2457.8	1938.5	1569.3	1292.4	1107.7
152.5°	5388.7	5019.4	4627.1	4050.2	3738.6	3404.0	2804.0	2296.2	1903.9	1615.4	1396.2
155°	5446.4	5031.0	4754.0	4315.6	4038.6	3738.6	3196.3	2711.6	2296.2	2007.8	1753.9
157.5°	5492.5	5181.0	4904.0	4557.9	4315.6	4061.7	3600.1	3150.1	2757.8	2457.8	2146.2
160°	5561.8	5261.7	5019.4	4754.0	4592.5	4327.1	3992.5	3634.8	3254.0	2930.9	2677.0
162.5°	5596.4	5388.7	5181.0	4915.6	4811.7	4627.1	4350.2	4084.8	3761.7	3461.7	3219.4
165°	5665.6	5457.9	5319.4	5100.2	4996.3	4834.8	4661.7	4419.4	4223.2	3969.4	3784.8
167.5°	5734.8	5596.4	5481.0	5307.9	5215.6	5100.2	4950.2	4788.6	4684.8	4488.6	4304.0
170°	5804.1	5688.7	5631.0	5550.2	5411.7	5319.4	5250.2	5134.8	4996.3	4904.0	4800.2
172.5°	5861.8	5815.6	5781.0	5757.9	5619.4	5550.2	5504.1	5377.1	5377.1	5250.2	5169.4
175°	5954.1	5804.1	5907.9	5850.2	5804.1	5746.4	5723.3	5688.7	5654.1	5607.9	5561.8
177.5°	6000.2	5977.2	6000.2	5977.2	5965.6	5907.9	5942.5	5907.9	5896.4	5884.8	5850.2
180°	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3



TEST NUMBER: P508402

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	126.9	126.9	138.5	138.5	138.5	138.5	150.0	138.5	126.9
95°	138.5	150.0	150.0	150.0	161.5	161.5	161.5	161.5	161.5
97.5°	150.0	150.0	161.5	161.5	161.5	173.1	173.1	173.1	173.1
100°	161.5	161.5	161.5	173.1	173.1	173.1	173.1	173.1	173.1
102.5°	161.5	161.5	161.5	173.1	173.1	173.1	173.1	173.1	173.1
105°	173.1	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5
107.5°	173.1	173.1	161.5	161.5	161.5	161.5	161.5	161.5	161.5
110°	184.6	173.1	161.5	161.5	161.5	161.5	161.5	161.5	150.0
112.5°	196.2	184.6	173.1	161.5	161.5	161.5	161.5	150.0	150.0
115°	207.7	196.2	184.6	184.6	173.1	173.1	173.1	161.5	161.5
117.5°	219.2	207.7	196.2	196.2	184.6	184.6	173.1	173.1	173.1
120°	230.8	230.8	219.2	207.7	207.7	196.2	196.2	184.6	184.6
122.5°	253.9	230.8	230.8	230.8	230.8	219.2	207.7	207.7	207.7
125°	265.4	253.9	253.9	253.9	242.3	242.3	230.8	219.2	219.2
127.5°	288.5	276.9	276.9	265.4	265.4	253.9	253.9	242.3	242.3
130°	311.6	300.0	288.5	288.5	288.5	276.9	276.9	265.4	265.4
132.5°	334.6	323.1	323.1	311.6	311.6	300.0	300.0	288.5	288.5
135°	369.2	346.2	346.2	346.2	334.6	323.1	323.1	323.1	311.6
137.5°	392.3	380.8	369.2	357.7	357.7	357.7	346.2	346.2	346.2
140°	450.0	415.4	403.9	392.3	392.3	380.8	380.8	380.8	380.8
142.5°	519.3	484.6	450.0	438.5	426.9	415.4	415.4	403.9	403.9
145°	634.6	576.9	530.8	519.3	496.2	473.1	473.1	461.6	461.6
147.5°	773.1	703.9	646.2	623.1	611.6	588.5	565.4	553.9	542.3
150°	969.3	865.4	807.7	784.6	761.6	715.4	692.3	680.8	680.8
152.5°	1223.1	1107.7	1015.4	969.3	946.2	900.0	865.4	853.9	865.4
155°	1534.7	1396.2	1303.9	1246.2	1200.0	1142.4	1119.3	1107.7	1084.7
157.5°	1973.2	1788.5	1650.1	1603.9	1546.2	1488.5	1453.9	1419.3	1396.2
160°	2446.2	2238.5	2111.6	2053.9	1984.7	1892.4	1846.2	1800.1	1777.0
162.5°	2965.5	2792.4	2642.4	2550.1	2515.5	2400.1	2353.9	2296.2	2307.8
165°	3542.4	3357.8	3242.4	3173.2	3080.9	3023.2	2988.6	2907.8	2873.2
167.5°	4154.0	3946.3	3888.6	3796.3	3715.5	3634.8	3634.8	3600.1	3565.5
170°	4615.6	4569.4	4500.2	4396.3	4384.8	4327.1	4327.1	4292.5	4304.0
172.5°	5054.0	4984.8	4984.8	4950.2	4915.6	4892.5	4834.8	4857.9	4857.9
175°	5492.5	5457.9	5434.8	5342.5	5365.6	5365.6	5331.0	5331.0	5354.1
177.5°	5850.2	5850.2	5827.1	5815.6	5804.1	5815.6	5827.1	5838.7	5815.6
180°	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3	6023.3

(END OF REPORT)