

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: P508399

Luminaire Tested: **ASYX-X-L6-X-U-HSS-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508399
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-L27-1-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: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

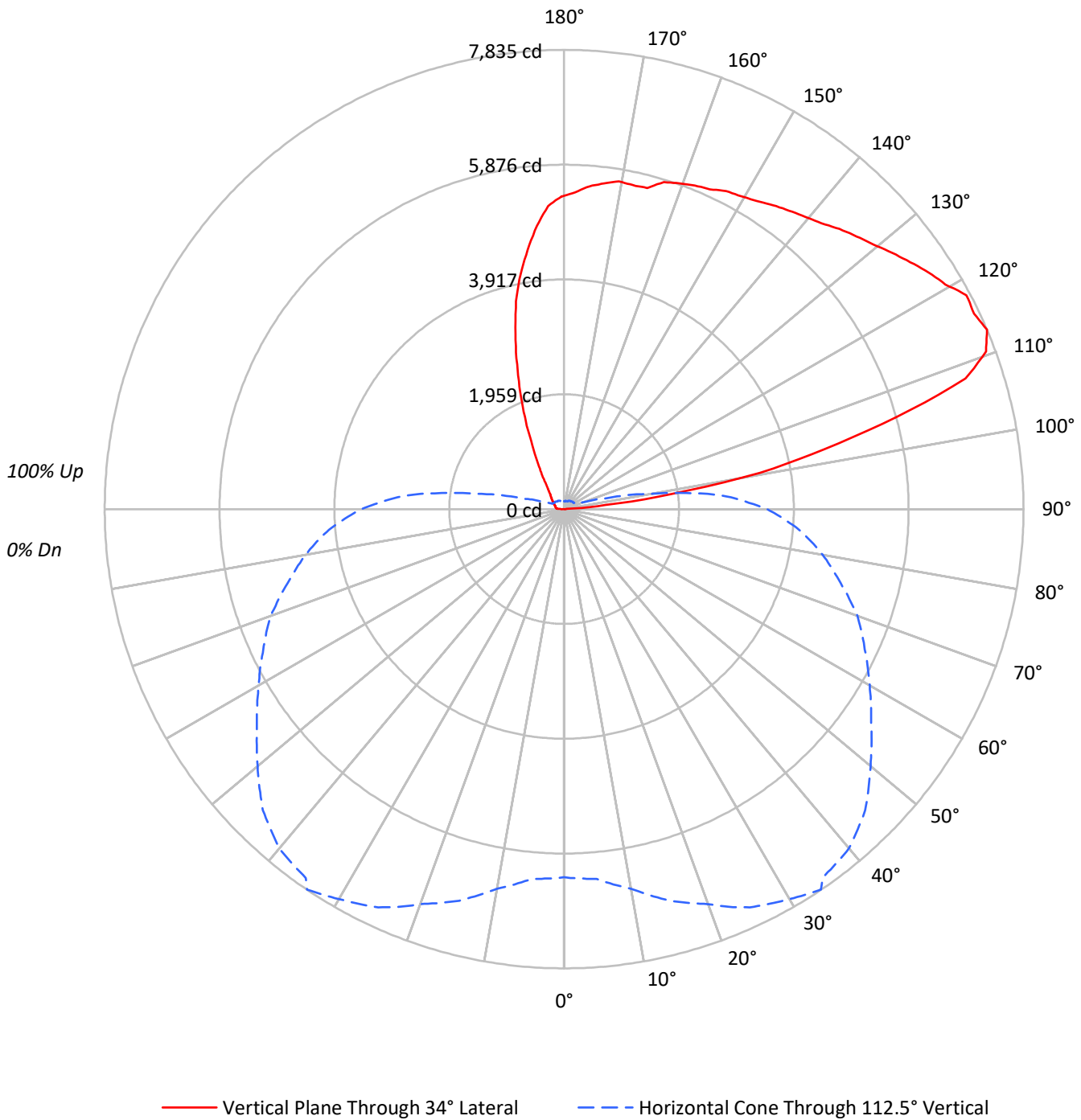
Lumens per Lamp: N/A
Luminaire Lumens: 18363.3 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508399
CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-UNV-X-X-X-STD

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°	840	10094	11774
100°	34192	20683	6331
105°	104789	32852	3965
110°	120232	56366	2786
115°	109616	65909	2428
120°	93825	63771	2345
125°	78850	61214	2428
130°	71158	57360	2622
135°	63027	53490	2799
140°	58274	48896	3158
145°	53332	45279	3579
150°	50530	41897	4994
155°	47476	39873	7603
160°	45321	38847	12013
165°	43407	38399	18896
170°	41905	38332	27763
175°	40249	38262	34142



TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-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°	357.1	1.9
100°-110°	2238.1	12.2
110°-120°	3459.4	18.8
120°-130°	3338.6	18.2
130°-140°	2899.6	15.8
140°-150°	2389.9	13.0
150°-160°	1883.2	10.3
160°-170°	1306.5	7.1
170°-180°	491.0	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°	6054.6	33.0
90°-150°	14682.6	80.0
90°-180°	18363.0	100.0
0°-180°	18363.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	10	92	123	112	143	173
105°	3780	6068	1185	153	143	3709
115°	6456	7365	3882	194	143	6279
125°	6302	7181	4893	255	194	5763
135°	6211	6588	5271	358	276	4830
145°	6088	6160	5169	725	409	3860
155°	5996	5914	5036	1777	960	2763
165°	5843	5679	5169	3514	2544	1660
175°	5588	5485	5312	4964	4740	536
180°	5332	5332	5332	5332	5332	



TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-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	10.2	10.2	30.6	20.4	20.4	30.6	40.9	51.1	20.4
95°	10.2	10.2	20.4	265.6	796.8	878.5	837.6	807.0	704.8	612.9	153.2
97.5°	214.5	255.4	408.6	1093.0	2216.6	2553.7	2717.1	2226.8	1828.4	1695.7	909.1
100°	827.4	960.2	1327.9	2512.8	3748.8	3830.5	3799.9	3697.7	3401.5	3207.4	2461.8
102.5°	2206.4	2298.3	2809.1	3861.2	4535.4	4678.4	4678.4	4586.4	4555.8	4494.5	4259.6
105°	3779.5	3881.6	4290.2	4831.6	5240.2	5393.4	5475.1	5679.4	5883.7	5914.4	6139.1
107.5°	4831.6	4933.7	5250.4	5659.0	6190.1	6384.2	6619.2	6946.0	7201.4	7170.8	7119.7
110°	5730.5	5842.8	6139.1	6547.7	6935.8	7170.8	7395.5	7538.5	7681.5	7538.5	7467.0
112.5°	6282.1	6333.2	6578.3	6915.4	7170.8	7344.4	7497.6	7681.5	7834.7	7681.5	7558.9
115°	6455.7	6486.4	6700.9	6935.8	7211.6	7375.1	7487.4	7681.5	7742.8	7712.1	7610.0
117.5°	6445.5	6578.3	6762.2	6925.6	7191.2	7324.0	7436.4	7589.6	7773.4	7691.7	7589.6
120°	6537.5	6547.7	6741.7	6935.8	7129.9	7242.3	7242.3	7467.0	7548.7	7528.3	7507.9
122.5°	6506.8	6537.5	6700.9	6823.5	7027.8	7119.7	7211.6	7324.0	7415.9	7385.3	7385.3
125°	6302.5	6496.6	6588.5	6731.5	6925.6	6986.9	7078.8	7170.8	7252.5	7221.8	7211.6
127.5°	6425.1	6435.3	6517.0	6670.2	6792.8	6833.7	6935.8	7017.5	7099.3	7089.0	7109.5
130°	6374.0	6343.4	6537.5	6598.7	6690.7	6762.2	6813.3	6884.8	6946.0	6946.0	6966.5
132.5°	6333.2	6333.2	6394.4	6517.0	6598.7	6649.8	6731.5	6752.0	6823.5	6843.9	6803.0
135°	6210.6	6292.3	6384.2	6425.1	6517.0	6557.9	6598.7	6639.6	6700.9	6721.3	6649.8
137.5°	6088.0	6210.6	6333.2	6394.4	6465.9	6465.9	6465.9	6527.2	6557.9	6588.5	6517.0
140°	6220.8	6210.6	6322.9	6312.7	6353.6	6343.4	6414.9	6425.1	6465.9	6445.5	6404.7
142.5°	6190.1	6190.1	6220.8	6261.7	6251.4	6271.9	6322.9	6374.0	6374.0	6394.4	6322.9
145°	6088.0	6118.6	6169.7	6210.6	6210.6	6200.4	6261.7	6271.9	6292.3	6282.1	6241.2
147.5°	6128.9	6128.9	6128.9	6179.9	6179.9	6179.9	6190.1	6200.4	6200.4	6210.6	6179.9
150°	6098.2	6108.4	6128.9	6108.4	6159.5	6077.8	6128.9	6128.9	6128.9	6139.1	6118.6
152.5°	5893.9	6036.9	6088.0	6077.8	6036.9	6057.4	6067.6	6108.4	6088.0	6108.4	6047.1
155°	5996.1	5985.9	5996.1	6006.3	5975.6	5996.1	6006.3	6006.3	5996.1	6006.3	5955.2
157.5°	5965.4	5955.2	6006.3	5945.0	5975.6	5996.1	5955.2	5985.9	5955.2	5996.1	5975.6
160°	5934.8	5914.4	5955.2	5914.4	5955.2	5904.1	5873.5	5924.6	5893.9	5965.4	5863.3
162.5°	5893.9	5883.7	5924.6	5873.5	5832.6	5812.2	5842.8	5853.1	5832.6	5853.1	5802.0
165°	5842.8	5842.8	5842.8	5791.8	5822.4	5822.4	5781.6	5791.8	5659.0	5802.0	5740.7
167.5°	5802.0	5842.8	5791.8	5740.7	5802.0	5802.0	5730.5	5740.7	5648.8	5720.3	5689.6
170°	5750.9	5710.1	5720.3	5720.3	5771.3	5679.4	5628.3	5720.3	5669.2	5720.3	5669.2
172.5°	5628.3	5669.2	5669.2	5648.8	5618.1	5618.1	5607.9	5628.3	5597.7	5607.9	5577.3
175°	5587.5	5587.5	5607.9	5638.6	5577.3	5567.0	5505.8	5556.8	5526.2	5546.6	5516.0
177.5°	5434.3	5516.0	5505.8	5434.3	5475.1	5413.8	5444.5	5464.9	5403.6	5454.7	5403.6
180°	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1



TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-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°	20.4	20.4	20.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
95°	91.9	122.6	296.2	245.2	183.9	173.7	194.1	173.7	153.2	132.8	122.6
97.5°	735.5	827.4	868.3	766.1	755.9	694.6	623.1	469.9	429.0	377.9	296.2
100°	2012.3	1787.6	1675.2	1491.4	1205.3	1093.0	1001.0	827.4	674.2	592.5	500.5
102.5°	3851.0	3432.2	2890.8	2318.8	1889.7	1726.3	1542.4	1287.1	1082.8	898.9	745.7
105°	6067.6	5270.8	4218.7	3452.6	2880.6	2523.0	2359.6	1951.0	1613.9	1409.6	1184.9
107.5°	6803.0	6292.3	5638.6	4841.8	4167.6	3840.8	3483.2	2941.9	2512.8	2134.9	1797.8
110°	7109.5	6670.2	6179.9	5710.1	5250.4	4954.2	4709.0	4157.4	3626.2	3156.4	2686.5
112.5°	7262.7	6823.5	6394.4	6016.5	5659.0	5495.5	5321.9	4882.7	4474.1	4024.6	3462.8
115°	7364.8	7017.5	6639.6	6241.2	5965.4	5791.8	5638.6	5240.2	4862.2	4453.6	3881.6
117.5°	7415.9	7068.6	6792.8	6465.9	6179.9	6036.9	5873.5	5516.0	5138.0	4760.1	4188.1
120°	7354.6	7119.7	6895.0	6619.2	6343.4	6200.4	6067.6	5710.1	5362.8	5005.2	4443.4
122.5°	7272.9	7140.1	6966.5	6690.7	6486.4	6363.8	6251.4	5893.9	5587.5	5178.9	4668.1
125°	7181.0	7048.2	6864.3	6690.7	6527.2	6435.3	6353.6	6036.9	5720.3	5373.0	4892.9
127.5°	7038.0	6915.4	6772.4	6629.4	6506.8	6414.9	6384.2	6108.4	5812.2	5505.8	5015.5
130°	6884.8	6782.6	6660.0	6517.0	6435.3	6333.2	6343.4	6098.2	5863.3	5577.3	5138.0
132.5°	6680.5	6609.0	6578.3	6425.1	6343.4	6292.3	6220.8	6057.4	5863.3	5638.6	5219.7
135°	6588.5	6517.0	6465.9	6333.2	6210.6	6190.1	6088.0	5996.1	5832.6	5669.2	5270.8
137.5°	6425.1	6384.2	6353.6	6210.6	6088.0	6088.0	6057.4	5934.8	5791.8	5567.0	5230.0
140°	6353.6	6302.5	6220.8	6108.4	6036.9	5975.6	5945.0	5842.8	5669.2	5495.5	5219.7
142.5°	6231.0	6190.1	6169.7	6067.6	5955.2	5893.9	5832.6	5720.3	5597.7	5475.1	5178.9
145°	6159.5	6149.3	6128.9	6026.7	5853.1	5822.4	5802.0	5679.4	5567.0	5373.0	5168.7
147.5°	6067.6	6077.8	6057.4	5934.8	5822.4	5750.9	5699.8	5587.5	5505.8	5342.3	5087.0
150°	6006.3	6016.5	5996.1	5842.8	5720.3	5689.6	5669.2	5556.8	5403.6	5270.8	5056.3
152.5°	5975.6	5945.0	5893.9	5832.6	5699.8	5628.3	5607.9	5485.3	5403.6	5240.2	5035.9
155°	5914.4	5873.5	5842.8	5740.7	5659.0	5587.5	5536.4	5464.9	5373.0	5209.5	5035.9
157.5°	5853.1	5812.2	5791.8	5771.3	5659.0	5556.8	5546.6	5464.9	5321.9	5199.3	5056.3
160°	5791.8	5689.6	5771.3	5648.8	5618.1	5536.4	5475.1	5424.0	5321.9	5209.5	5087.0
162.5°	5730.5	5699.8	5689.6	5618.1	5556.8	5505.8	5413.8	5444.5	5321.9	5219.7	5127.8
165°	5679.4	5648.8	5638.6	5618.1	5526.2	5485.3	5464.9	5403.6	5352.5	5250.4	5168.7
167.5°	5628.3	5577.3	5597.7	5577.3	5464.9	5495.5	5444.5	5403.6	5373.0	5291.2	5209.5
170°	5618.1	5516.0	5567.0	5556.8	5475.1	5464.9	5403.6	5393.4	5362.8	5301.5	5260.6
172.5°	5567.0	5495.5	5526.2	5495.5	5454.7	5424.0	5424.0	5434.3	5383.2	5342.3	5291.2
175°	5485.3	5444.5	5454.7	5485.3	5424.0	5403.6	5352.5	5393.4	5403.6	5332.1	5311.7
177.5°	5393.4	5434.3	5403.6	5444.5	5393.4	5383.2	5352.5	5383.2	5383.2	5321.9	5321.9
180°	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1



TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-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°	30.6	40.9	40.9	51.1	61.3	61.3	71.5	71.5	81.7	91.9	102.1
95°	61.3	51.1	61.3	71.5	71.5	81.7	91.9	91.9	102.1	112.4	112.4
97.5°	122.6	81.7	81.7	81.7	91.9	91.9	102.1	112.4	122.6	122.6	122.6
100°	234.9	132.8	132.8	102.1	102.1	112.4	112.4	122.6	132.8	132.8	132.8
102.5°	408.6	245.2	194.1	132.8	122.6	122.6	132.8	132.8	143.0	143.0	143.0
105°	766.1	490.3	275.8	163.4	153.2	143.0	143.0	143.0	153.2	153.2	153.2
107.5°	1348.3	786.5	388.2	214.5	183.9	163.4	163.4	163.4	163.4	163.4	163.4
110°	2053.2	1154.3	531.2	275.8	224.7	194.1	183.9	183.9	173.7	173.7	173.7
112.5°	2696.7	1511.8	674.2	337.1	265.6	224.7	204.3	194.1	194.1	183.9	173.7
115°	3105.3	1777.4	817.2	388.2	306.4	255.4	214.5	214.5	204.3	194.1	183.9
117.5°	3401.5	2053.2	990.8	469.9	357.5	296.2	234.9	224.7	214.5	214.5	204.3
120°	3687.5	2339.2	1174.7	561.8	429.0	337.1	265.6	245.2	234.9	224.7	214.5
122.5°	3963.3	2615.0	1379.0	674.2	500.5	398.4	296.2	265.6	255.4	234.9	234.9
125°	4177.8	2901.0	1613.9	817.2	602.7	469.9	337.1	286.0	265.6	255.4	245.2
127.5°	4412.8	3187.0	1859.1	970.4	715.0	561.8	388.2	316.7	296.2	275.8	265.6
130°	4586.4	3462.8	2124.7	1174.7	878.5	674.2	459.7	357.5	316.7	296.2	286.0
132.5°	4719.2	3697.7	2390.3	1399.4	1072.6	817.2	551.6	429.0	357.5	326.9	306.4
135°	4760.1	3902.0	2666.1	1644.6	1276.8	1001.0	674.2	510.7	408.6	357.5	337.1
137.5°	4800.9	4065.5	2931.6	1920.4	1542.4	1225.8	817.2	612.9	490.3	418.8	367.7
140°	4780.5	4188.1	3187.0	2226.8	1818.2	1470.9	1011.3	745.7	592.5	500.5	429.0
142.5°	4770.3	4290.2	3452.6	2512.8	2104.2	1756.9	1246.2	919.3	725.2	592.5	510.7
145°	4790.7	4361.7	3646.7	2819.3	2441.3	2083.8	1532.2	1123.6	888.7	725.2	633.3
147.5°	4719.2	4402.6	3881.6	3084.9	2737.6	2390.3	1838.7	1399.4	1113.4	909.1	776.3
150°	4780.5	4423.0	3983.8	3350.4	3023.6	2706.9	2175.7	1716.1	1389.2	1144.1	980.6
152.5°	4770.3	4443.4	4096.1	3585.4	3309.6	3013.4	2482.2	2032.7	1685.4	1430.1	1236.0
155°	4821.4	4453.6	4208.5	3820.3	3575.2	3309.6	2829.5	2400.5	2032.7	1777.4	1552.6
157.5°	4862.2	4586.4	4341.3	4034.8	3820.3	3595.6	3187.0	2788.6	2441.3	2175.7	1899.9
160°	4923.5	4657.9	4443.4	4208.5	4065.5	3830.5	3534.3	3217.7	2880.6	2594.6	2369.8
162.5°	4954.2	4770.3	4586.4	4351.5	4259.6	4096.1	3851.0	3616.0	3330.0	3064.4	2849.9
165°	5015.5	4831.6	4709.0	4514.9	4423.0	4280.0	4126.8	3912.3	3738.6	3513.9	3350.4
167.5°	5076.7	4954.2	4852.0	4698.8	4617.1	4514.9	4382.1	4239.1	4147.2	3973.5	3810.1
170°	5138.0	5035.9	4984.8	4913.3	4790.7	4709.0	4647.7	4545.6	4423.0	4341.3	4249.3
172.5°	5189.1	5148.2	5117.6	5097.2	4974.6	4913.3	4872.4	4760.1	4760.1	4647.7	4576.2
175°	5270.8	5138.0	5230.0	5178.9	5138.0	5087.0	5066.5	5035.9	5005.2	4964.4	4923.5
177.5°	5311.7	5291.2	5311.7	5291.2	5281.0	5230.0	5260.6	5230.0	5219.7	5209.5	5178.9
180°	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1



TEST NUMBER: P508399

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L27-1-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°	112.4	112.4	122.6	122.6	122.6	122.6	132.8	122.6	112.4
95°	122.6	132.8	132.8	132.8	143.0	143.0	143.0	143.0	143.0
97.5°	132.8	132.8	143.0	143.0	143.0	153.2	153.2	153.2	153.2
100°	143.0	143.0	143.0	153.2	153.2	153.2	153.2	153.2	153.2
102.5°	143.0	143.0	143.0	153.2	153.2	153.2	153.2	153.2	153.2
105°	153.2	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
107.5°	153.2	153.2	143.0	143.0	143.0	143.0	143.0	143.0	143.0
110°	163.4	153.2	143.0	143.0	143.0	143.0	143.0	143.0	132.8
112.5°	173.7	163.4	153.2	143.0	143.0	143.0	143.0	132.8	132.8
115°	183.9	173.7	163.4	163.4	153.2	153.2	153.2	143.0	143.0
117.5°	194.1	183.9	173.7	173.7	163.4	163.4	153.2	153.2	153.2
120°	204.3	204.3	194.1	183.9	183.9	173.7	173.7	163.4	163.4
122.5°	224.7	204.3	204.3	204.3	204.3	194.1	183.9	183.9	183.9
125°	234.9	224.7	224.7	224.7	214.5	214.5	204.3	194.1	194.1
127.5°	255.4	245.2	245.2	234.9	234.9	224.7	224.7	214.5	214.5
130°	275.8	265.6	255.4	255.4	255.4	245.2	245.2	234.9	234.9
132.5°	296.2	286.0	286.0	275.8	275.8	265.6	265.6	255.4	255.4
135°	326.9	306.4	306.4	306.4	296.2	286.0	286.0	286.0	275.8
137.5°	347.3	337.1	326.9	316.7	316.7	316.7	306.4	306.4	306.4
140°	398.4	367.7	357.5	347.3	347.3	337.1	337.1	337.1	337.1
142.5°	459.7	429.0	398.4	388.2	377.9	367.7	367.7	357.5	357.5
145°	561.8	510.7	469.9	459.7	439.2	418.8	418.8	408.6	408.6
147.5°	684.4	623.1	572.0	551.6	541.4	521.0	500.5	490.3	480.1
150°	858.0	766.1	715.0	694.6	674.2	633.3	612.9	602.7	602.7
152.5°	1082.8	980.6	898.9	858.0	837.6	796.8	766.1	755.9	766.1
155°	1358.6	1236.0	1154.3	1103.2	1062.3	1011.3	990.8	980.6	960.2
157.5°	1746.7	1583.3	1460.7	1419.9	1368.8	1317.7	1287.1	1256.4	1236.0
160°	2165.5	1981.7	1869.3	1818.2	1756.9	1675.2	1634.4	1593.5	1573.1
162.5°	2625.2	2472.0	2339.2	2257.5	2226.8	2124.7	2083.8	2032.7	2043.0
165°	3135.9	2972.5	2870.3	2809.1	2727.3	2676.3	2645.6	2574.1	2543.5
167.5°	3677.3	3493.5	3442.4	3360.7	3289.2	3217.7	3217.7	3187.0	3156.4
170°	4085.9	4045.0	3983.8	3891.8	3881.6	3830.5	3830.5	3799.9	3810.1
172.5°	4474.1	4412.8	4412.8	4382.1	4351.5	4331.1	4280.0	4300.4	4300.4
175°	4862.2	4831.6	4811.2	4729.4	4749.9	4749.9	4719.2	4719.2	4739.7
177.5°	5178.9	5178.9	5158.5	5148.2	5138.0	5148.2	5158.5	5168.7	5148.2
180°	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1	5332.1

(END OF REPORT)