

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: P508401

Luminaire Tested: **ASYX-X-L6-X-U-HSS-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508401  
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-L35-1-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

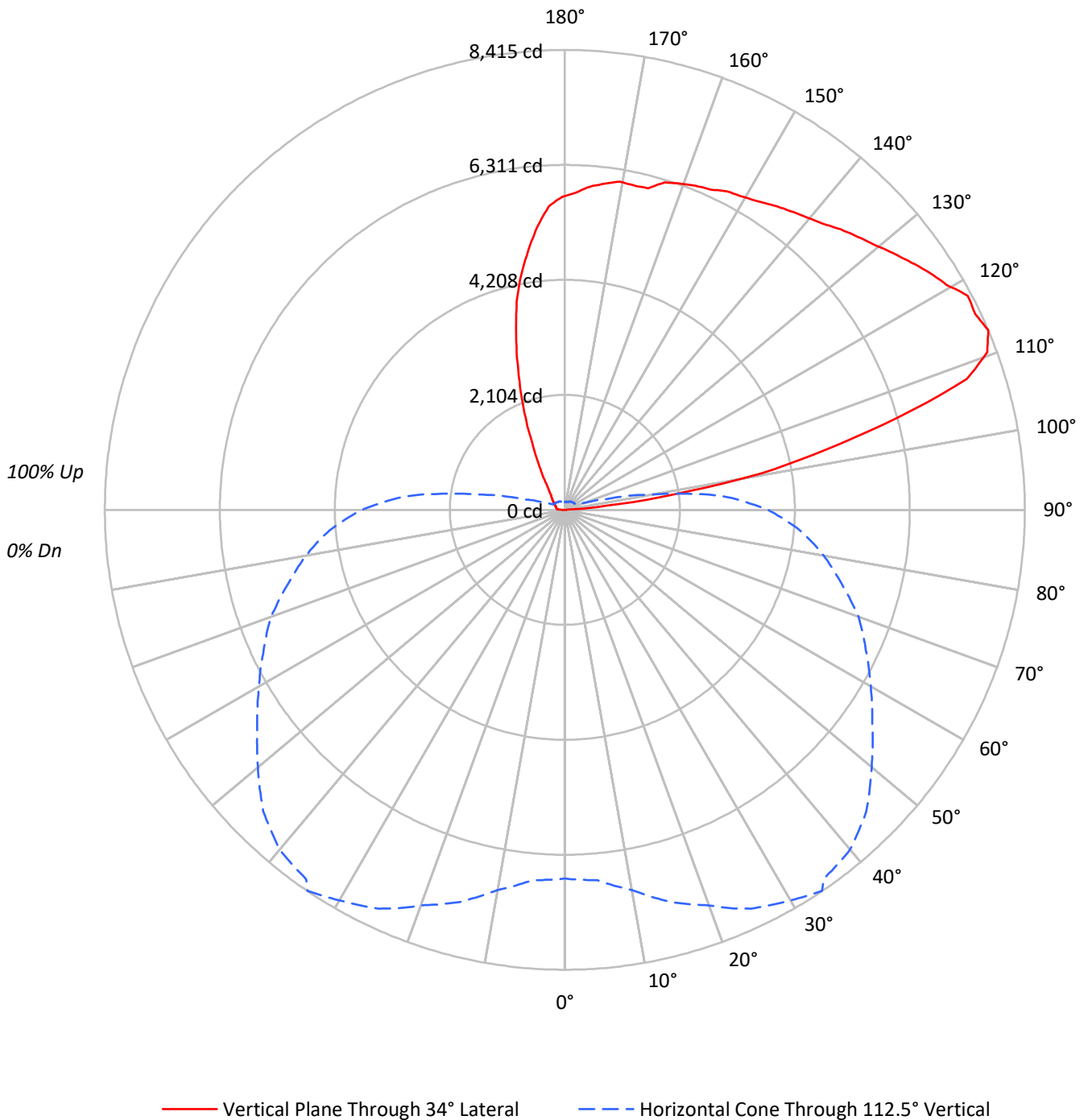
Lumens per Lamp: N/A  
Luminaire Lumens: 19723.5 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
CIE Type: Indirect

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: P508401  
CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L35-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L35-1-UNV-X-X-X-STD

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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°	906	10843	12647
100°	36725	22216	6802
105°	112550	35287	4259
110°	129138	60541	2992
115°	117736	70790	2608
120°	100775	68496	2519
125°	84691	65748	2609
130°	76430	61608	2817
135°	67695	57453	3006
140°	62590	52518	3392
145°	57283	48632	3845
150°	54273	45001	5364
155°	50992	42826	8166
160°	48678	41724	12903
165°	46623	41243	20296
170°	45009	41172	29819
175°	43230	41096	36670



TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	383.6	1.9
100°-110°	2403.8	12.2
110°-120°	3715.6	18.8
120°-130°	3585.9	18.2
130°-140°	3114.3	15.8
140°-150°	2566.9	13.0
150°-160°	2022.7	10.3
160°-170°	1403.3	7.1
170°-180°	527.4	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°	6503.1	33.0
90°-150°	15770.2	80.0
90°-180°	19724.0	100.0
0°-180°	19723.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	11	99	132	121	154	186
105°	4059	6517	1273	165	154	3984
115°	6934	7910	4169	208	154	6744
125°	6769	7713	5255	274	208	6190
135°	6671	7077	5661	384	296	5187
145°	6539	6616	5552	779	439	4146
155°	6440	6352	5409	1909	1031	2968
165°	6276	6100	5552	3774	2732	1783
175°	6001	5892	5705	5332	5091	575
180°	5727	5727	5727	5727	5727	



TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L35-1-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	11.0	11.0	32.9	21.9	21.9	32.9	43.9	54.9	21.9
95°	11.0	11.0	21.9	285.3	855.8	943.5	899.7	866.7	757.0	658.3	164.6
97.5°	230.4	274.3	438.9	1173.9	2380.8	2742.9	2918.4	2391.8	1963.9	1821.3	976.5
100°	888.7	1031.3	1426.3	2699.0	4026.5	4114.3	4081.4	3971.7	3653.5	3445.0	2644.1
102.5°	2369.8	2468.6	3017.1	4147.2	4871.3	5024.9	5024.9	4926.2	4893.3	4827.4	4575.1
105°	4059.4	4169.1	4608.0	5189.5	5628.3	5792.9	5880.7	6100.1	6319.5	6352.5	6593.8
107.5°	5189.5	5299.2	5639.3	6078.2	6648.7	6857.1	7109.5	7460.6	7734.8	7701.9	7647.1
110°	6155.0	6275.7	6593.8	7032.7	7449.6	7701.9	7943.3	8096.9	8250.5	8096.9	8020.1
112.5°	6747.4	6802.3	7065.6	7427.6	7701.9	7888.4	8053.0	8250.5	8415.1	8250.5	8118.8
115°	6933.9	6966.9	7197.2	7449.6	7745.8	7921.4	8042.0	8250.5	8316.3	8283.4	8173.7
117.5°	6923.0	7065.6	7263.1	7438.6	7723.9	7866.5	7987.2	8151.8	8349.2	8261.5	8151.8
120°	7021.7	7032.7	7241.1	7449.6	7658.0	7778.7	7778.7	8020.1	8107.9	8085.9	8064.0
122.5°	6988.8	7021.7	7197.2	7328.9	7548.3	7647.1	7745.8	7866.5	7965.2	7932.3	7932.3
125°	6769.4	6977.8	7076.6	7230.2	7438.6	7504.4	7603.2	7701.9	7789.7	7756.8	7745.8
127.5°	6901.0	6912.0	6999.8	7164.3	7296.0	7339.9	7449.6	7537.4	7625.1	7614.2	7636.1
130°	6846.2	6813.3	7021.7	7087.5	7186.3	7263.1	7317.9	7394.7	7460.6	7460.6	7482.5
132.5°	6802.3	6802.3	6868.1	6999.8	7087.5	7142.4	7230.2	7252.1	7328.9	7350.8	7307.0
135°	6670.6	6758.4	6857.1	6901.0	6999.8	7043.7	7087.5	7131.4	7197.2	7219.2	7142.4
137.5°	6539.0	6670.6	6802.3	6868.1	6944.9	6944.9	6944.9	7010.7	7043.7	7076.6	6999.8
140°	6681.6	6670.6	6791.3	6780.3	6824.2	6813.3	6890.1	6901.0	6944.9	6923.0	6879.1
142.5°	6648.7	6648.7	6681.6	6725.5	6714.5	6736.5	6791.3	6846.2	6846.2	6868.1	6791.3
145°	6539.0	6571.9	6626.7	6670.6	6670.6	6659.7	6725.5	6736.5	6758.4	6747.4	6703.5
147.5°	6582.9	6582.9	6582.9	6637.7	6637.7	6637.7	6648.7	6659.7	6659.7	6670.6	6637.7
150°	6549.9	6560.9	6582.9	6560.9	6615.8	6528.0	6582.9	6582.9	6582.9	6593.8	6571.9
152.5°	6330.5	6484.1	6539.0	6528.0	6484.1	6506.1	6517.0	6560.9	6539.0	6560.9	6495.1
155°	6440.2	6429.3	6440.2	6451.2	6418.3	6440.2	6451.2	6451.2	6440.2	6451.2	6396.3
157.5°	6407.3	6396.3	6451.2	6385.4	6418.3	6440.2	6396.3	6429.3	6396.3	6440.2	6418.3
160°	6374.4	6352.5	6396.3	6352.5	6396.3	6341.5	6308.6	6363.4	6330.5	6407.3	6297.6
162.5°	6330.5	6319.5	6363.4	6308.6	6264.7	6242.7	6275.7	6286.6	6264.7	6286.6	6231.8
165°	6275.7	6275.7	6275.7	6220.8	6253.7	6253.7	6209.8	6220.8	6078.2	6231.8	6165.9
167.5°	6231.8	6275.7	6220.8	6165.9	6231.8	6231.8	6155.0	6165.9	6067.2	6144.0	6111.1
170°	6176.9	6133.0	6144.0	6144.0	6198.9	6100.1	6045.3	6144.0	6089.1	6144.0	6089.1
172.5°	6045.3	6089.1	6089.1	6067.2	6034.3	6034.3	6023.3	6045.3	6012.3	6023.3	5990.4
175°	6001.4	6001.4	6023.3	6056.2	5990.4	5979.4	5913.6	5968.5	5935.5	5957.5	5924.6
177.5°	5836.8	5924.6	5913.6	5836.8	5880.7	5814.9	5847.8	5869.7	5803.9	5858.7	5803.9
180°	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1



TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	21.9	21.9	21.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
95°	98.7	131.7	318.2	263.3	197.5	186.5	208.5	186.5	164.6	142.6	131.7
97.5°	789.9	888.7	932.6	822.9	811.9	746.1	669.3	504.7	460.8	405.9	318.2
100°	2161.4	1920.0	1799.3	1601.8	1294.6	1173.9	1075.2	888.7	724.1	636.3	537.6
102.5°	4136.2	3686.4	3104.9	2490.5	2029.7	1854.2	1656.7	1382.4	1163.0	965.5	800.9
105°	6517.0	5661.3	4531.2	3708.3	3093.9	2709.9	2534.4	2095.5	1733.5	1514.1	1272.7
107.5°	7307.0	6758.4	6056.2	5200.5	4476.3	4125.3	3741.3	3159.8	2699.0	2293.0	1931.0
110°	7636.1	7164.3	6637.7	6133.0	5639.3	5321.1	5057.8	4465.4	3894.9	3390.2	2885.5
112.5°	7800.7	7328.9	6868.1	6462.2	6078.2	5902.6	5716.1	5244.3	4805.5	4322.7	3719.3
115°	7910.4	7537.4	7131.4	6703.5	6407.3	6220.8	6056.2	5628.3	5222.4	4783.5	4169.1
117.5°	7965.2	7592.2	7296.0	6944.9	6637.7	6484.1	6308.6	5924.6	5518.6	5112.7	4498.3
120°	7899.4	7647.1	7405.7	7109.5	6813.3	6659.7	6517.0	6133.0	5760.0	5376.0	4772.6
122.5°	7811.6	7669.0	7482.5	7186.3	6966.9	6835.2	6714.5	6330.5	6001.4	5562.5	5013.9
125°	7712.9	7570.3	7372.8	7186.3	7010.7	6912.0	6824.2	6484.1	6144.0	5771.0	5255.3
127.5°	7559.3	7427.6	7274.0	7120.5	6988.8	6890.1	6857.1	6560.9	6242.7	5913.6	5387.0
130°	7394.7	7285.0	7153.4	6999.8	6912.0	6802.3	6813.3	6549.9	6297.6	5990.4	5518.6
132.5°	7175.3	7098.5	7065.6	6901.0	6813.3	6758.4	6681.6	6506.1	6297.6	6056.2	5606.4
135°	7076.6	6999.8	6944.9	6802.3	6670.6	6648.7	6539.0	6440.2	6264.7	6089.1	5661.3
137.5°	6901.0	6857.1	6824.2	6670.6	6539.0	6539.0	6506.1	6374.4	6220.8	5979.4	5617.4
140°	6824.2	6769.4	6681.6	6560.9	6484.1	6418.3	6385.4	6275.7	6089.1	5902.6	5606.4
142.5°	6692.6	6648.7	6626.7	6517.0	6396.3	6330.5	6264.7	6144.0	6012.3	5880.7	5562.5
145°	6615.8	6604.8	6582.9	6473.1	6286.6	6253.7	6231.8	6100.1	5979.4	5771.0	5551.5
147.5°	6517.0	6528.0	6506.1	6374.4	6253.7	6176.9	6122.1	6001.4	5913.6	5738.1	5463.8
150°	6451.2	6462.2	6440.2	6275.7	6144.0	6111.1	6089.1	5968.5	5803.9	5661.3	5430.9
152.5°	6418.3	6385.4	6330.5	6264.7	6122.1	6045.3	6023.3	5891.7	5803.9	5628.3	5408.9
155°	6352.5	6308.6	6275.7	6165.9	6078.2	6001.4	5946.5	5869.7	5771.0	5595.4	5408.9
157.5°	6286.6	6242.7	6220.8	6198.9	6078.2	5968.5	5957.5	5869.7	5716.1	5584.5	5430.9
160°	6220.8	6111.1	6198.9	6067.2	6034.3	5946.5	5880.7	5825.8	5716.1	5595.4	5463.8
162.5°	6155.0	6122.1	6111.1	6034.3	5968.5	5913.6	5814.9	5847.8	5716.1	5606.4	5507.7
165°	6100.1	6067.2	6056.2	6034.3	5935.5	5891.7	5869.7	5803.9	5749.0	5639.3	5551.5
167.5°	6045.3	5990.4	6012.3	5990.4	5869.7	5902.6	5847.8	5803.9	5771.0	5683.2	5595.4
170°	6034.3	5924.6	5979.4	5968.5	5880.7	5869.7	5803.9	5792.9	5760.0	5694.2	5650.3
172.5°	5979.4	5902.6	5935.5	5902.6	5858.7	5825.8	5825.8	5836.8	5781.9	5738.1	5683.2
175°	5891.7	5847.8	5858.7	5891.7	5825.8	5803.9	5749.0	5792.9	5803.9	5727.1	5705.1
177.5°	5792.9	5836.8	5803.9	5847.8	5792.9	5781.9	5749.0	5781.9	5781.9	5716.1	5716.1
180°	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1



TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	32.9	43.9	43.9	54.9	65.8	65.8	76.8	76.8	87.8	98.7	109.7
95°	65.8	54.9	65.8	76.8	76.8	87.8	98.7	98.7	109.7	120.7	120.7
97.5°	131.7	87.8	87.8	87.8	98.7	98.7	109.7	120.7	131.7	131.7	131.7
100°	252.3	142.6	142.6	109.7	109.7	120.7	120.7	131.7	142.6	142.6	142.6
102.5°	438.9	263.3	208.5	142.6	131.7	131.7	142.6	142.6	153.6	153.6	153.6
105°	822.9	526.6	296.2	175.5	164.6	153.6	153.6	153.6	164.6	164.6	164.6
107.5°	1448.2	844.8	416.9	230.4	197.5	175.5	175.5	175.5	175.5	175.5	175.5
110°	2205.3	1239.8	570.5	296.2	241.4	208.5	197.5	197.5	186.5	186.5	186.5
112.5°	2896.5	1623.8	724.1	362.1	285.3	241.4	219.4	208.5	208.5	197.5	186.5
115°	3335.3	1909.0	877.7	416.9	329.1	274.3	230.4	230.4	219.4	208.5	197.5
117.5°	3653.5	2205.3	1064.2	504.7	384.0	318.2	252.3	241.4	230.4	230.4	219.4
120°	3960.7	2512.5	1261.7	603.4	460.8	362.1	285.3	263.3	252.3	241.4	230.4
122.5°	4256.9	2808.7	1481.1	724.1	537.6	427.9	318.2	285.3	274.3	252.3	252.3
125°	4487.3	3115.9	1733.5	877.7	647.3	504.7	362.1	307.2	285.3	274.3	263.3
127.5°	4739.7	3423.1	1996.8	1042.3	768.0	603.4	416.9	340.1	318.2	296.2	285.3
130°	4926.2	3719.3	2282.1	1261.7	943.5	724.1	493.7	384.0	340.1	318.2	307.2
132.5°	5068.8	3971.7	2567.3	1503.1	1152.0	877.7	592.5	460.8	384.0	351.1	329.1
135°	5112.7	4191.1	2863.5	1766.4	1371.4	1075.2	724.1	548.6	438.9	384.0	362.1
137.5°	5156.6	4366.6	3148.8	2062.6	1656.7	1316.6	877.7	658.3	526.6	449.8	395.0
140°	5134.6	4498.3	3423.1	2391.8	1952.9	1579.9	1086.2	800.9	636.3	537.6	460.8
142.5°	5123.7	4608.0	3708.3	2699.0	2260.1	1887.1	1338.5	987.4	779.0	636.3	548.6
145°	5145.6	4684.8	3916.8	3028.1	2622.2	2238.2	1645.7	1206.9	954.5	779.0	680.2
147.5°	5068.8	4728.7	4169.1	3313.4	2940.3	2567.3	1974.9	1503.1	1195.9	976.5	833.8
150°	5134.6	4750.6	4278.9	3598.6	3247.5	2907.4	2336.9	1843.2	1492.1	1228.8	1053.3
152.5°	5123.7	4772.6	4399.5	3851.0	3554.7	3236.6	2666.1	2183.3	1810.3	1536.0	1327.5
155°	5178.5	4783.5	4520.2	4103.3	3840.0	3554.7	3039.1	2578.3	2183.3	1909.0	1667.7
157.5°	5222.4	4926.2	4662.9	4333.7	4103.3	3861.9	3423.1	2995.2	2622.2	2336.9	2040.7
160°	5288.2	5003.0	4772.6	4520.2	4366.6	4114.3	3796.1	3456.0	3093.9	2786.7	2545.4
162.5°	5321.1	5123.7	4926.2	4673.8	4575.1	4399.5	4136.2	3883.9	3576.7	3291.4	3061.0
165°	5387.0	5189.5	5057.8	4849.4	4750.6	4597.0	4432.5	4202.1	4015.5	3774.2	3598.6
167.5°	5452.8	5321.1	5211.4	5046.9	4959.1	4849.4	4706.7	4553.1	4454.4	4267.9	4092.3
170°	5518.6	5408.9	5354.1	5277.3	5145.6	5057.8	4992.0	4882.3	4750.6	4662.9	4564.1
172.5°	5573.5	5529.6	5496.7	5474.7	5343.1	5277.3	5233.4	5112.7	5112.7	4992.0	4915.2
175°	5661.3	5518.6	5617.4	5562.5	5518.6	5463.8	5441.8	5408.9	5376.0	5332.1	5288.2
177.5°	5705.1	5683.2	5705.1	5683.2	5672.2	5617.4	5650.3	5617.4	5606.4	5595.4	5562.5
180°	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1





TEST NUMBER: P508401

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	120.7	120.7	131.7	131.7	131.7	131.7	142.6	131.7	120.7
95°	131.7	142.6	142.6	142.6	153.6	153.6	153.6	153.6	153.6
97.5°	142.6	142.6	153.6	153.6	153.6	164.6	164.6	164.6	164.6
100°	153.6	153.6	153.6	164.6	164.6	164.6	164.6	164.6	164.6
102.5°	153.6	153.6	153.6	164.6	164.6	164.6	164.6	164.6	164.6
105°	164.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
107.5°	164.6	164.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
110°	175.5	164.6	153.6	153.6	153.6	153.6	153.6	153.6	142.6
112.5°	186.5	175.5	164.6	153.6	153.6	153.6	153.6	142.6	142.6
115°	197.5	186.5	175.5	175.5	164.6	164.6	164.6	153.6	153.6
117.5°	208.5	197.5	186.5	186.5	175.5	175.5	164.6	164.6	164.6
120°	219.4	219.4	208.5	197.5	197.5	186.5	186.5	175.5	175.5
122.5°	241.4	219.4	219.4	219.4	219.4	208.5	197.5	197.5	197.5
125°	252.3	241.4	241.4	241.4	230.4	230.4	219.4	208.5	208.5
127.5°	274.3	263.3	263.3	252.3	252.3	241.4	241.4	230.4	230.4
130°	296.2	285.3	274.3	274.3	274.3	263.3	263.3	252.3	252.3
132.5°	318.2	307.2	307.2	296.2	296.2	285.3	285.3	274.3	274.3
135°	351.1	329.1	329.1	329.1	318.2	307.2	307.2	307.2	296.2
137.5°	373.0	362.1	351.1	340.1	340.1	340.1	329.1	329.1	329.1
140°	427.9	395.0	384.0	373.0	373.0	362.1	362.1	362.1	362.1
142.5°	493.7	460.8	427.9	416.9	405.9	395.0	395.0	384.0	384.0
145°	603.4	548.6	504.7	493.7	471.8	449.8	449.8	438.9	438.9
147.5°	735.1	669.3	614.4	592.5	581.5	559.5	537.6	526.6	515.7
150°	921.6	822.9	768.0	746.1	724.1	680.2	658.3	647.3	647.3
152.5°	1163.0	1053.3	965.5	921.6	899.7	855.8	822.9	811.9	822.9
155°	1459.2	1327.5	1239.8	1184.9	1141.0	1086.2	1064.2	1053.3	1031.3
157.5°	1876.1	1700.6	1568.9	1525.0	1470.2	1415.3	1382.4	1349.5	1327.5
160°	2325.9	2128.5	2007.8	1952.9	1887.1	1799.3	1755.4	1711.5	1689.6
162.5°	2819.7	2655.1	2512.5	2424.7	2391.8	2282.1	2238.2	2183.3	2194.3
165°	3368.2	3192.7	3083.0	3017.1	2929.4	2874.5	2841.6	2764.8	2731.9
167.5°	3949.7	3752.2	3697.4	3609.6	3532.8	3456.0	3456.0	3423.1	3390.2
170°	4388.6	4344.7	4278.9	4180.1	4169.1	4114.3	4114.3	4081.4	4092.3
172.5°	4805.5	4739.7	4739.7	4706.7	4673.8	4651.9	4597.0	4619.0	4619.0
175°	5222.4	5189.5	5167.5	5079.8	5101.7	5101.7	5068.8	5068.8	5090.7
177.5°	5562.5	5562.5	5540.6	5529.6	5518.6	5529.6	5540.6	5551.5	5529.6
180°	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1	5727.1

(END OF REPORT)