

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: P508379

Luminaire Tested: **ASYX-X-L5-X-U-F-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508379
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-L5-X-U-F-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(5) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

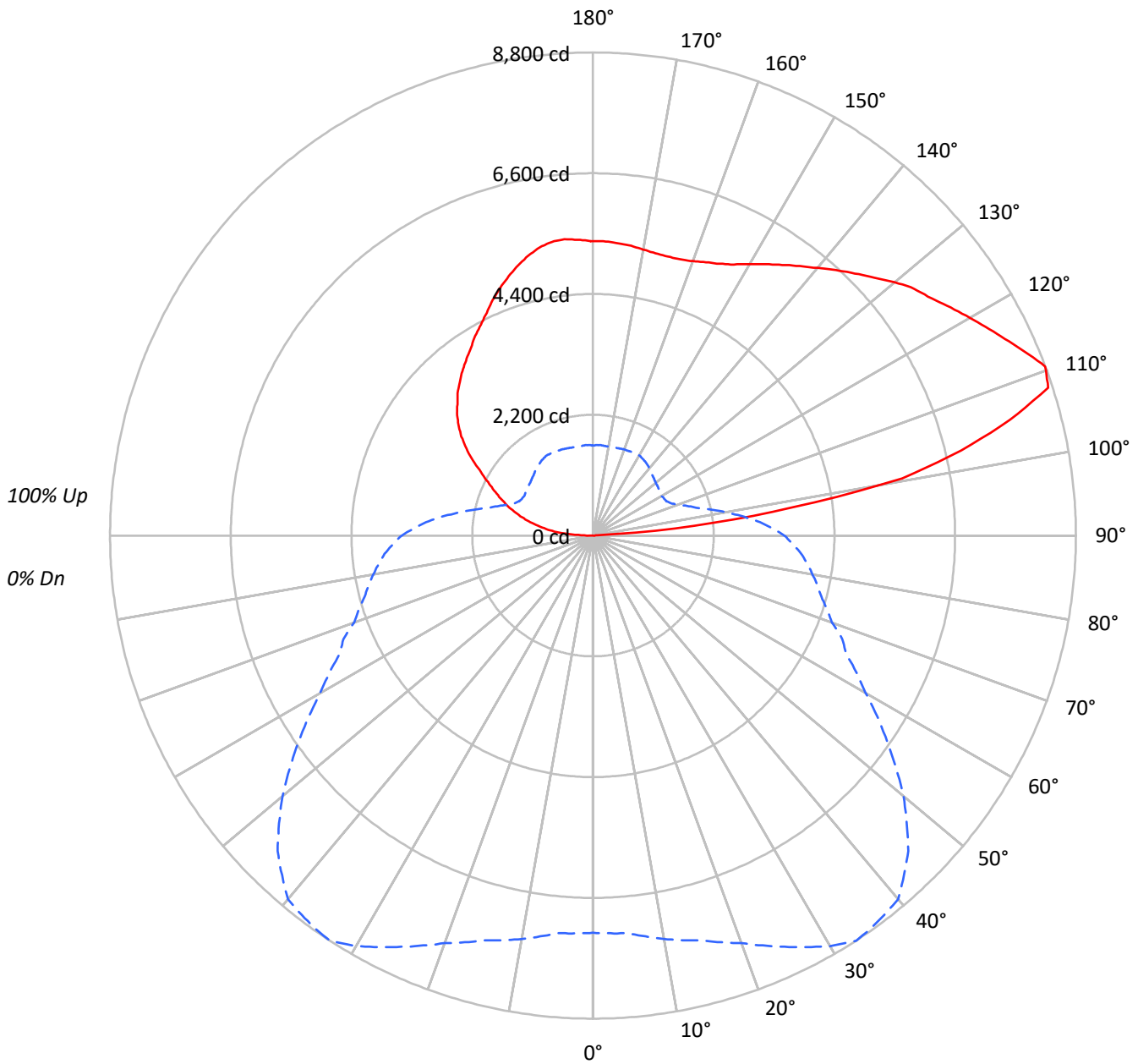
Lumens per Lamp: N/A
Luminaire Lumens: 25464.2 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 270.1
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: P508379
CATALOG NUMBER: ASYX-X-L5-X-U-F-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



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



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-L27-1-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°	61875	23745	51805
100°	157087	50557	42614
105°	152641	55967	36343
110°	151811	73155	34470
115°	132355	82944	31604
120°	109990	81522	30476
125°	93695	75984	31049
130°	80095	69655	32779
135°	68907	64029	33168
140°	60085	59103	33071
145°	52821	54506	33300
150°	46342	50904	33308
155°	42553	47742	33765
160°	39372	44511	34901
165°	38044	42133	36615
170°	37887	40243	38142
175°	38776	38965	38461



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-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°	924.3	3.6
100°-110°	3409.1	13.4
110°-120°	4625.7	18.2
120°-130°	4605.2	18.1
130°-140°	4099.7	16.1
140°-150°	3331.5	13.1
150°-160°	2446.2	9.6
160°-170°	1509.6	5.9
170°-180°	512.9	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°	8959.2	35.2
90°-150°	20995.6	82.5
90°-180°	25464.0	100.0
0°-180°	25464.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	752	1110	288	437	629	1245
105°	5505	7393	2019	1188	1311	5859
115°	7795	8022	4885	1896	1861	7622
125°	7489	7489	6073	2692	2482	6694
135°	6790	6816	6309	3399	3268	5290
145°	6030	6047	6222	4028	3801	3792
155°	5374	5558	6030	4728	4264	2480
165°	5121	5304	5671	5252	4929	1463
175°	5383	5331	5409	5409	5339	506
180°	5366	5366	5366	5366	5366	



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-L27-1-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°	43.7	43.7	43.7	52.4	61.2	61.2	78.6	87.4	78.6	113.6	131.1
95°	751.5	865.1	1240.9	1476.8	1459.4	1380.7	1468.1	1721.5	1852.6	1686.6	1433.1
97.5°	1887.6	1957.5	2735.2	3102.2	3425.6	3582.9	3722.7	3609.1	3670.3	3635.3	3312.0
100°	3801.3	4028.5	4299.4	4675.2	5138.4	5470.4	5723.8	5924.8	5732.6	5426.7	4535.4
102.5°	4867.5	4946.1	5129.6	5321.9	5820.0	6064.7	6318.1	6755.0	6886.1	6824.9	6344.3
105°	5505.4	5549.1	5723.8	6012.2	6396.7	6667.6	6982.2	7550.2	7882.3	7917.3	7952.2
107.5°	6309.3	6405.5	6615.2	6798.7	7253.1	7567.7	7847.3	8432.8	8721.2	8738.7	8616.4
110°	7235.6	7270.6	7462.8	7637.6	7899.8	8083.3	8266.8	8633.8	8799.9	8773.6	8651.3
112.5°	7733.7	7777.4	7847.3	7908.5	8030.9	8109.5	8223.1	8459.1	8555.2	8581.4	8459.1
115°	7794.9	7794.9	7847.3	7856.1	7995.9	7995.9	8048.3	8275.5	8319.2	8354.2	8284.3
117.5°	7742.5	7760.0	7794.9	7777.4	7838.6	7926.0	7908.5	8048.3	8100.8	8074.6	8100.8
120°	7663.8	7646.4	7716.3	7681.3	7725.0	7777.4	7742.5	7847.3	7891.0	7873.6	7961.0
122.5°	7585.2	7585.2	7611.4	7602.7	7585.2	7567.7	7576.4	7646.4	7690.1	7681.3	7733.7
125°	7489.1	7480.3	7471.6	7436.6	7480.3	7454.1	7410.4	7462.8	7497.8	7480.3	7532.8
127.5°	7331.8	7340.5	7323.0	7305.5	7253.1	7244.4	7288.1	7261.9	7349.2	7296.8	7349.2
130°	7174.5	7174.5	7157.0	7122.0	7104.6	7069.6	7060.9	7078.3	7130.8	7148.3	7069.6
132.5°	7052.1	6991.0	6947.3	6921.0	6921.0	6886.1	6868.6	6886.1	6912.3	6956.0	6964.7
135°	6790.0	6755.0	6755.0	6720.1	6772.5	6693.8	6676.4	6702.6	6711.3	6711.3	6763.8
137.5°	6641.4	6554.0	6519.1	6510.3	6501.6	6475.4	6475.4	6510.3	6519.1	6510.3	6554.0
140°	6414.2	6318.1	6353.0	6309.3	6318.1	6274.4	6291.9	6291.9	6326.8	6326.8	6370.5
142.5°	6283.1	6143.3	6125.8	6099.6	6108.3	6090.9	6178.3	6117.1	6152.0	6213.2	6187.0
145°	6029.7	5916.1	5942.3	5916.1	5924.8	5907.4	5951.1	5942.3	5986.0	5977.3	6021.0
147.5°	5758.8	5750.1	5758.8	5741.3	5758.8	5741.3	5793.8	5785.0	5828.7	5854.9	5863.7
150°	5592.8	5557.8	5566.5	5584.0	5566.5	5601.5	5601.5	5636.5	5680.2	5688.9	5723.8
152.5°	5418.0	5409.3	5452.9	5426.7	5444.2	5444.2	5470.4	5479.2	5540.3	5549.1	5636.5
155°	5374.3	5295.6	5295.6	5286.9	5330.6	5330.6	5365.6	5418.0	5444.2	5487.9	5496.6
157.5°	5217.0	5208.3	5208.3	5243.2	5199.5	5252.0	5330.6	5304.4	5374.3	5383.0	5418.0
160°	5155.8	5129.6	5147.1	5164.6	5164.6	5208.3	5269.4	5260.7	5304.4	5356.8	5365.6
162.5°	5190.8	5103.4	5112.1	5155.8	5138.4	5199.5	5208.3	5225.7	5269.4	5286.9	5339.3
165°	5120.9	5094.7	5077.2	5094.7	5147.1	5173.3	5199.5	5217.0	5260.7	5269.4	5295.6
167.5°	5147.1	5138.4	5138.4	5155.8	5190.8	5190.8	5234.5	5225.7	5269.4	5269.4	5286.9
170°	5199.5	5173.3	5190.8	5225.7	5164.6	5260.7	5252.0	5225.7	5295.6	5295.6	5321.9
172.5°	5269.4	5243.2	5252.0	5252.0	5252.0	5304.4	5313.1	5321.9	5330.6	5321.9	5321.9
175°	5383.0	5313.1	5304.4	5304.4	5321.9	5321.9	5339.3	5295.6	5348.1	5348.1	5339.3
177.5°	5356.8	5330.6	5374.3	5330.6	5313.1	5348.1	5374.3	5339.3	5365.6	5339.3	5365.6
180°	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-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°	113.6	113.6	113.6	104.9	96.1	96.1	96.1	96.1	87.4	78.6	78.6
95°	1109.8	882.6	804.0	664.1	559.3	515.6	445.7	445.7	332.1	270.9	288.4
97.5°	2787.6	2167.2	1721.5	1302.1	1240.9	1162.2	1153.5	978.7	865.1	786.5	681.6
100°	3617.8	2971.2	2577.9	2359.4	2071.1	1940.0	1843.9	1660.4	1546.7	1389.5	1223.4
102.5°	5374.3	4465.5	3696.5	3049.8	2612.9	2429.4	2307.0	2114.8	1974.9	1817.6	1607.9
105°	7392.9	6117.1	4832.5	3862.5	3277.0	3041.1	2831.3	2639.1	2455.6	2210.9	2018.6
107.5°	7934.7	7008.4	6038.4	4954.8	4142.1	3906.2	3661.5	3338.2	3093.5	2883.8	2551.7
110°	8127.0	7384.2	6545.3	5741.3	5085.9	4919.9	4631.5	4308.2	4063.5	3810.1	3486.7
112.5°	8048.3	7585.2	6912.3	6195.7	5662.7	5496.6	5286.9	5085.9	4954.8	4762.6	4334.4
115°	8022.1	7646.4	7174.5	6536.5	6055.9	5872.4	5706.4	5522.9	5487.9	5356.8	4884.9
117.5°	7908.5	7655.1	7296.8	6781.2	6353.0	6230.7	6064.7	5916.1	5898.6	5767.5	5356.8
120°	7829.9	7620.1	7314.3	6973.5	6606.5	6475.4	6335.6	6222.0	6169.5	6073.4	5680.2
122.5°	7646.4	7567.7	7331.8	7043.4	6711.3	6650.1	6519.1	6326.8	6414.2	6309.3	5933.6
125°	7489.1	7445.4	7384.2	7034.6	6798.7	6720.1	6623.9	6510.3	6536.5	6466.6	6073.4
127.5°	7323.0	7314.3	7270.6	7060.9	6842.4	6807.4	6693.8	6606.5	6589.0	6519.1	6169.5
130°	7191.9	7183.2	7122.0	6982.2	6842.4	6833.7	6720.1	6650.1	6641.4	6580.2	6239.4
132.5°	6999.7	6999.7	7034.6	6894.8	6807.4	6781.2	6728.8	6641.4	6667.6	6536.5	6274.4
135°	6816.2	6824.9	6851.1	6781.2	6833.7	6737.5	6685.1	6571.5	6623.9	6571.5	6309.3
137.5°	6606.5	6632.7	6685.1	6658.9	6685.1	6693.8	6623.9	6597.7	6597.7	6545.3	6300.6
140°	6353.0	6457.9	6554.0	6545.3	6597.7	6589.0	6562.8	6440.4	6554.0	6519.1	6309.3
142.5°	6239.4	6300.6	6414.2	6388.0	6501.6	6501.6	6484.1	6475.4	6501.6	6440.4	6274.4
145°	6047.2	6143.3	6230.7	6283.1	6353.0	6422.9	6396.7	6414.2	6422.9	6422.9	6222.0
147.5°	5924.8	6029.7	6143.3	6160.8	6283.1	6300.6	6309.3	6335.6	6388.0	6318.1	6239.4
150°	5793.8	5863.7	5994.7	6047.2	6178.3	6204.5	6195.7	6230.7	6318.1	6265.6	6143.3
152.5°	5592.8	5741.3	5854.9	5933.6	6029.7	6090.9	6099.6	6099.6	6178.3	6178.3	6108.3
155°	5557.8	5636.5	5741.3	5820.0	5924.8	5986.0	5994.7	5994.7	6073.4	6047.2	6029.7
157.5°	5479.2	5584.0	5671.4	5697.6	5828.7	5881.1	5881.1	5898.6	5968.5	5986.0	5924.8
160°	5426.7	5479.2	5584.0	5662.7	5732.6	5793.8	5802.5	5820.0	5863.7	5854.9	5828.7
162.5°	5348.1	5426.7	5522.9	5566.5	5645.2	5706.4	5697.6	5697.6	5776.3	5793.8	5758.8
165°	5304.4	5391.8	5505.4	5531.6	5584.0	5619.0	5610.2	5636.5	5706.4	5688.9	5671.4
167.5°	5321.9	5365.6	5461.7	5452.9	5514.1	5540.3	5540.3	5522.9	5566.5	5505.4	5557.8
170°	5348.1	5348.1	5400.5	5418.0	5470.4	5496.6	5470.4	5470.4	5496.6	5514.1	5522.9
172.5°	5356.8	5348.1	5391.8	5383.0	5400.5	5444.2	5418.0	5383.0	5435.5	5470.4	5426.7
175°	5330.6	5339.3	5409.3	5391.8	5365.6	5409.3	5365.6	5356.8	5435.5	5426.7	5409.3
177.5°	5304.4	5304.4	5348.1	5313.1	5374.3	5374.3	5330.6	5330.6	5418.0	5356.8	5339.3
180°	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-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°	87.4	96.1	104.9	122.3	131.1	139.8	157.3	174.8	201.0	201.0	235.9
95°	279.6	288.4	288.4	305.9	314.6	314.6	323.3	358.3	393.2	436.9	515.6
97.5°	594.2	524.3	506.8	506.8	515.6	515.6	524.3	541.8	568.0	620.4	699.1
100°	1048.6	891.3	777.7	716.6	699.1	690.4	699.1	699.1	742.8	812.7	900.1
102.5°	1372.0	1162.2	970.0	882.6	847.7	856.4	847.7	865.1	926.3	987.5	1083.6
105°	1730.3	1459.4	1214.7	1083.6	1031.2	1022.4	1022.4	1039.9	1109.8	1188.5	1258.4
107.5°	2219.6	1878.8	1520.5	1328.3	1249.6	1232.2	1232.2	1258.4	1302.1	1354.5	1433.1
110°	3006.1	2446.8	1948.7	1642.9	1538.0	1476.8	1441.9	1468.1	1494.3	1538.0	1599.2
112.5°	3740.2	3049.8	2394.4	1931.3	1791.4	1695.3	1642.9	1642.9	1677.8	1712.8	1756.5
115°	4247.0	3478.0	2770.2	2228.4	2027.4	1940.0	1826.4	1835.1	1861.3	1896.3	1922.5
117.5°	4701.4	3880.0	3084.8	2508.0	2280.8	2141.0	2027.4	2001.2	2053.6	2097.3	2114.8
120°	5024.7	4229.5	3399.4	2796.4	2534.2	2376.9	2219.6	2193.4	2245.8	2254.6	2342.0
122.5°	5295.6	4483.0	3670.3	3049.8	2770.2	2639.1	2446.8	2411.9	2446.8	2508.0	2577.9
125°	5470.4	4710.2	3914.9	3285.7	3023.6	2848.8	2647.8	2621.6	2647.8	2691.5	2770.2
127.5°	5610.2	4893.7	4150.9	3530.4	3224.6	3084.8	2883.8	2831.3	2866.3	2883.8	2971.2
130°	5715.1	5103.4	4369.3	3766.4	3495.5	3355.7	3084.8	3032.3	3049.8	3093.5	3137.2
132.5°	5820.0	5234.5	4587.8	4011.1	3748.9	3591.6	3329.4	3215.8	3224.6	3259.5	3303.2
135°	5889.9	5374.3	4815.0	4255.7	3967.4	3845.0	3565.4	3451.8	3408.1	3399.4	3451.8
137.5°	5959.8	5505.4	4989.8	4483.0	4238.3	4098.4	3766.4	3635.3	3591.6	3582.9	3600.3
140°	6021.0	5619.0	5147.1	4727.6	4483.0	4316.9	4011.1	3845.0	3775.1	3740.2	3757.6
142.5°	6047.2	5715.1	5313.1	4989.8	4692.7	4500.4	4247.0	4081.0	3932.4	3888.7	3853.8
145°	6064.7	5863.7	5470.4	5155.8	4928.6	4815.0	4509.2	4290.7	4115.9	4028.5	4011.1
147.5°	6064.7	5854.9	5575.3	5295.6	5103.4	4981.1	4649.0	4509.2	4369.3	4220.8	4150.9
150°	6047.2	5951.1	5653.9	5435.5	5234.5	5138.4	4902.4	4640.2	4491.7	4386.8	4308.2
152.5°	6003.5	5872.4	5697.6	5505.4	5356.8	5295.6	5024.7	4858.7	4701.4	4544.1	4483.0
155°	5959.8	5854.9	5723.8	5566.5	5444.2	5365.6	5173.3	5007.3	4893.7	4727.6	4666.5
157.5°	5907.4	5837.4	5723.8	5636.5	5496.6	5444.2	5252.0	5138.4	5042.2	4876.2	4797.5
160°	5828.7	5785.0	5715.1	5592.8	5531.6	5487.9	5330.6	5243.2	5147.1	5024.7	4963.6
162.5°	5750.1	5758.8	5671.4	5645.2	5549.1	5514.1	5409.3	5313.1	5217.0	5147.1	5094.7
165°	5688.9	5723.8	5636.5	5549.1	5549.1	5531.6	5418.0	5374.3	5330.6	5252.0	5190.8
167.5°	5575.3	5619.0	5619.0	5514.1	5505.4	5531.6	5461.7	5418.0	5383.0	5321.9	5286.9
170°	5557.8	5557.8	5496.6	5505.4	5531.6	5470.4	5426.7	5418.0	5418.0	5383.0	5356.8
172.5°	5452.9	5505.4	5479.2	5461.7	5435.5	5435.5	5409.3	5418.0	5400.5	5409.3	5400.5
175°	5418.0	5426.7	5435.5	5426.7	5400.5	5400.5	5391.8	5400.5	5409.3	5409.3	5391.8
177.5°	5365.6	5391.8	5435.5	5391.8	5409.3	5374.3	5365.6	5383.0	5383.0	5391.8	5374.3
180°	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6



TEST NUMBER: P508379

CATALOG NUMBER: ASYX-X-L5-X-U-F-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°	262.2	279.6	288.4	297.1	305.9	279.6	279.6	253.4	235.9
95°	559.3	603.0	603.0	603.0	629.2	646.7	637.9	629.2	629.2
97.5°	760.3	830.2	882.6	891.3	891.3	891.3	900.1	900.1	882.6
100°	961.3	996.2	1031.2	1039.9	1031.2	1031.2	1022.4	1039.9	1031.2
102.5°	1153.5	1188.5	1197.2	1205.9	1197.2	1188.5	1171.0	1188.5	1153.5
105°	1319.5	1354.5	1345.8	1337.0	1328.3	1310.8	1293.3	1319.5	1310.8
107.5°	1503.1	1511.8	1520.5	1529.3	1494.3	1485.6	1485.6	1503.1	1494.3
110°	1651.6	1686.6	1677.8	1669.1	1669.1	1651.6	1642.9	1651.6	1642.9
112.5°	1808.9	1826.4	1817.6	1817.6	1808.9	1782.7	1756.5	1765.2	1756.5
115°	1974.9	1983.7	1974.9	1957.5	1940.0	1922.5	1887.6	1870.1	1861.3
117.5°	2149.7	2141.0	2123.5	2114.8	2097.3	2088.5	2036.1	2009.9	2001.2
120°	2350.7	2324.5	2289.5	2280.8	2254.6	2245.8	2175.9	2132.2	2123.5
122.5°	2595.4	2551.7	2481.8	2446.8	2438.1	2411.9	2324.5	2307.0	2280.8
125°	2805.1	2787.6	2744.0	2717.7	2682.8	2604.1	2508.0	2464.3	2481.8
127.5°	3006.1	2997.4	2979.9	2944.9	2901.2	2866.3	2787.6	2717.7	2700.3
130°	3172.1	3180.9	3154.7	3128.5	3102.2	3067.3	2979.9	2936.2	2936.2
132.5°	3329.4	3338.2	3355.7	3285.7	3268.3	3233.3	3154.7	3102.2	3119.7
135°	3451.8	3469.3	3443.0	3416.8	3399.4	3364.4	3285.7	3259.5	3268.3
137.5°	3617.8	3600.3	3574.1	3556.6	3513.0	3504.2	3443.0	3399.4	3381.9
140°	3722.7	3731.4	3731.4	3687.7	3644.0	3626.6	3565.4	3521.7	3530.4
142.5°	3862.5	3827.5	3845.0	3801.3	3775.1	3748.9	3670.3	3661.5	3661.5
145°	3967.4	3949.9	3941.2	3906.2	3897.5	3845.0	3818.8	3775.1	3801.3
147.5°	4081.0	4081.0	4081.0	4002.3	3984.8	3958.6	3932.4	3897.5	3923.7
150°	4247.0	4185.8	4168.4	4124.7	4089.7	4072.2	4011.1	3993.6	4019.8
152.5°	4378.1	4308.2	4255.7	4229.5	4220.8	4194.6	4159.6	4133.4	4133.4
155°	4535.4	4439.3	4439.3	4343.1	4316.9	4299.4	4264.5	4255.7	4264.5
157.5°	4701.4	4614.0	4570.3	4517.9	4474.2	4456.7	4413.0	4395.6	4413.0
160°	4823.8	4815.0	4718.9	4692.7	4649.0	4622.8	4614.0	4570.3	4570.3
162.5°	5016.0	4893.7	4876.2	4850.0	4815.0	4780.1	4762.6	4745.1	4762.6
165°	5120.9	5085.9	5042.2	5007.3	4981.1	4972.3	4919.9	4937.4	4928.6
167.5°	5243.2	5217.0	5173.3	5147.1	5155.8	5120.9	5120.9	5077.2	5085.9
170°	5330.6	5348.1	5295.6	5269.4	5252.0	5252.0	5217.0	5217.0	5234.5
172.5°	5391.8	5418.0	5374.3	5356.8	5339.3	5356.8	5321.9	5313.1	5330.6
175°	5409.3	5444.2	5409.3	5400.5	5383.0	5435.5	5374.3	5374.3	5339.3
177.5°	5391.8	5400.5	5435.5	5383.0	5383.0	5400.5	5409.3	5339.3	5383.0
180°	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6	5365.6

(END OF REPORT)