

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: P508400

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

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508400
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-L30-1-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

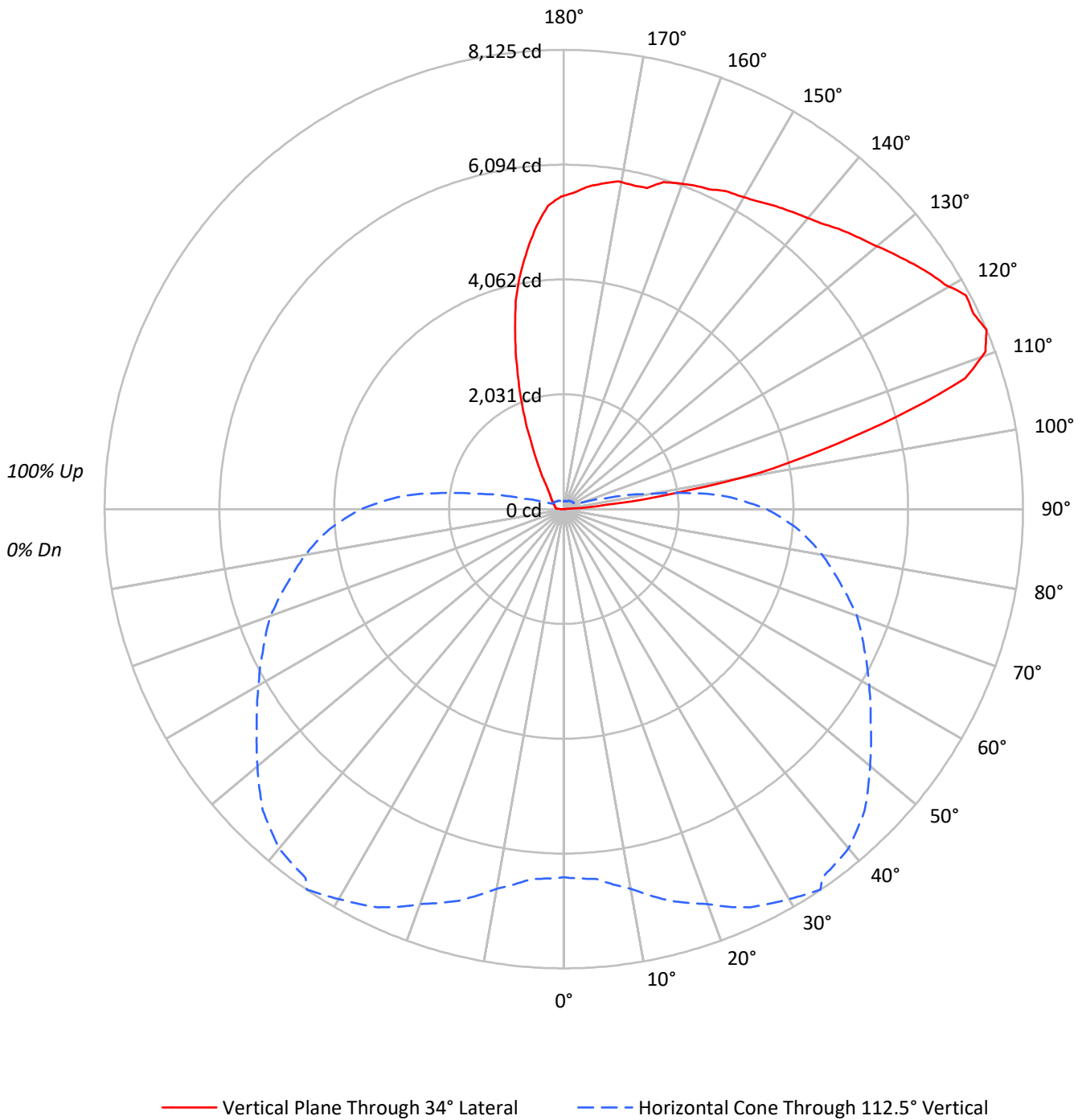
Lumens per Lamp: N/A
Luminaire Lumens: 19043.4 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508400
CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L30-1-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°	873	10465	12210
100°	35457	21452	6566
105°	108668	34069	4112
110°	124684	58453	2889
115°	113676	68350	2518
120°	97300	66133	2433
125°	81770	63481	2518
130°	73794	59484	2719
135°	65361	55471	2902
140°	60432	50707	3275
145°	55308	46956	3712
150°	52402	43449	5179
155°	49234	41350	7885
160°	46999	40285	12457
165°	45014	39821	19596
170°	43457	39752	28791
175°	41739	39679	35406



TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L30-1-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°	370.4	1.9
100°-110°	2320.9	12.2
110°-120°	3587.5	18.8
120°-130°	3462.2	18.2
130°-140°	3007.0	15.8
140°-150°	2478.4	13.0
150°-160°	1952.9	10.3
160°-170°	1354.9	7.1
170°-180°	509.2	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°	6278.8	33.0
90°-150°	15226.4	80.0
90°-180°	19043.0	100.0
0°-180°	19043.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	11	95	127	116	148	180
105°	3919	6292	1229	159	148	3846
115°	6695	7638	4025	201	148	6511
125°	6536	7447	5074	265	201	5977
135°	6441	6832	5466	371	286	5008
145°	6314	6388	5360	752	424	4003
155°	6218	6133	5222	1843	996	2865
165°	6059	5890	5360	3644	2638	1721
175°	5794	5688	5508	5148	4915	555
180°	5530	5530	5530	5530	5530	



TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L30-1-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	10.6	10.6	31.8	21.2	21.2	31.8	42.4	53.0	21.2
95°	10.6	10.6	21.2	275.4	826.3	911.0	868.6	836.9	730.9	635.6	158.9
97.5°	222.5	264.8	423.7	1133.5	2298.7	2648.3	2817.8	2309.3	1896.2	1758.5	942.8
100°	858.0	995.8	1377.1	2605.9	3887.7	3972.4	3940.6	3834.7	3527.5	3326.2	2552.9
102.5°	2288.1	2383.4	2913.1	4004.2	4703.3	4851.6	4851.6	4756.3	4724.5	4661.0	4417.3
105°	3919.4	4025.4	4449.1	5010.5	5434.3	5593.2	5677.9	5889.8	6101.6	6133.4	6366.4
107.5°	5010.5	5116.5	5444.8	5868.6	6419.4	6620.7	6864.3	7203.3	7468.1	7436.4	7383.4
110°	5942.7	6059.2	6366.4	6790.2	7192.7	7436.4	7669.4	7817.7	7966.0	7817.7	7743.6
112.5°	6514.8	6567.7	6822.0	7171.5	7436.4	7616.4	7775.3	7966.0	8124.9	7966.0	7838.9
115°	6694.8	6726.6	6949.1	7192.7	7478.7	7648.2	7764.7	7966.0	8029.6	7997.8	7891.9
117.5°	6684.2	6822.0	7012.6	7182.1	7457.5	7595.2	7711.8	7870.7	8061.3	7976.6	7870.7
120°	6779.6	6790.2	6991.4	7192.7	7394.0	7510.5	7510.5	7743.6	7828.3	7807.1	7785.9
122.5°	6747.8	6779.6	6949.1	7076.2	7288.0	7383.4	7478.7	7595.2	7690.6	7658.8	7658.8
125°	6535.9	6737.2	6832.5	6980.8	7182.1	7245.7	7341.0	7436.4	7521.1	7489.3	7478.7
127.5°	6663.1	6673.6	6758.4	6917.3	7044.4	7086.8	7192.7	7277.5	7362.2	7351.6	7372.8
130°	6610.1	6578.3	6779.6	6843.1	6938.5	7012.6	7065.6	7139.7	7203.3	7203.3	7224.5
132.5°	6567.7	6567.7	6631.3	6758.4	6843.1	6896.1	6980.8	7002.0	7076.2	7097.4	7055.0
135°	6440.6	6525.3	6620.7	6663.1	6758.4	6800.8	6843.1	6885.5	6949.1	6970.3	6896.1
137.5°	6313.5	6440.6	6567.7	6631.3	6705.4	6705.4	6705.4	6769.0	6800.8	6832.5	6758.4
140°	6451.2	6440.6	6557.1	6546.5	6588.9	6578.3	6652.5	6663.1	6705.4	6684.2	6641.9
142.5°	6419.4	6419.4	6451.2	6493.6	6483.0	6504.2	6557.1	6610.1	6610.1	6631.3	6557.1
145°	6313.5	6345.3	6398.2	6440.6	6440.6	6430.0	6493.6	6504.2	6525.3	6514.8	6472.4
147.5°	6355.9	6355.9	6355.9	6408.8	6408.8	6408.8	6419.4	6430.0	6430.0	6440.6	6408.8
150°	6324.1	6334.7	6355.9	6334.7	6387.6	6302.9	6355.9	6355.9	6355.9	6366.4	6345.3
152.5°	6112.2	6260.5	6313.5	6302.9	6260.5	6281.7	6292.3	6334.7	6313.5	6334.7	6271.1
155°	6218.1	6207.6	6218.1	6228.7	6197.0	6218.1	6228.7	6228.7	6218.1	6228.7	6175.8
157.5°	6186.4	6175.8	6228.7	6165.2	6197.0	6218.1	6175.8	6207.6	6175.8	6218.1	6197.0
160°	6154.6	6133.4	6175.8	6133.4	6175.8	6122.8	6091.0	6144.0	6112.2	6186.4	6080.4
162.5°	6112.2	6101.6	6144.0	6091.0	6048.7	6027.5	6059.2	6069.8	6048.7	6069.8	6016.9
165°	6059.2	6059.2	6059.2	6006.3	6038.1	6038.1	5995.7	6006.3	5868.6	6016.9	5953.3
167.5°	6016.9	6059.2	6006.3	5953.3	6016.9	6016.9	5942.7	5953.3	5858.0	5932.1	5900.4
170°	5963.9	5921.5	5932.1	5932.1	5985.1	5889.8	5836.8	5932.1	5879.2	5932.1	5879.2
172.5°	5836.8	5879.2	5879.2	5858.0	5826.2	5826.2	5815.6	5836.8	5805.0	5815.6	5783.8
175°	5794.4	5794.4	5815.6	5847.4	5783.8	5773.2	5709.7	5762.6	5730.9	5752.0	5720.3
177.5°	5635.5	5720.3	5709.7	5635.5	5677.9	5614.3	5646.1	5667.3	5603.7	5656.7	5603.7
180°	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6



TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	21.2	21.2	21.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
95°	95.3	127.1	307.2	254.2	190.7	180.1	201.3	180.1	158.9	137.7	127.1
97.5°	762.7	858.0	900.4	794.5	783.9	720.3	646.2	487.3	444.9	391.9	307.2
100°	2086.8	1853.8	1737.3	1546.6	1250.0	1133.5	1038.1	858.0	699.1	614.4	519.1
102.5°	3993.6	3559.3	2997.8	2404.6	1959.7	1790.2	1599.6	1334.7	1122.9	932.2	773.3
105°	6292.3	5466.0	4374.9	3580.5	2987.3	2616.5	2447.0	2023.3	1673.7	1461.8	1228.8
107.5°	7055.0	6525.3	5847.4	5021.1	4322.0	3983.0	3612.2	3050.8	2605.9	2214.0	1864.4
110°	7372.8	6917.3	6408.8	5921.5	5444.8	5137.7	4883.4	4311.4	3760.5	3273.3	2786.0
112.5°	7531.7	7076.2	6631.3	6239.3	5868.6	5699.1	5519.0	5063.5	4639.8	4173.7	3591.1
115°	7637.6	7277.5	6885.5	6472.4	6186.4	6006.3	5847.4	5434.3	5042.3	4618.6	4025.4
117.5°	7690.6	7330.4	7044.4	6705.4	6408.8	6260.5	6091.0	5720.3	5328.3	4936.4	4343.2
120°	7627.0	7383.4	7150.3	6864.3	6578.3	6430.0	6292.3	5921.5	5561.4	5190.6	4608.0
122.5°	7542.3	7404.6	7224.5	6938.5	6726.6	6599.5	6483.0	6112.2	5794.4	5370.7	4841.0
125°	7446.9	7309.2	7118.6	6938.5	6769.0	6673.6	6588.9	6260.5	5932.1	5572.0	5074.1
127.5°	7298.6	7171.5	7023.2	6874.9	6747.8	6652.5	6620.7	6334.7	6027.5	5709.7	5201.2
130°	7139.7	7033.8	6906.7	6758.4	6673.6	6567.7	6578.3	6324.1	6080.4	5783.8	5328.3
132.5°	6927.9	6853.7	6822.0	6663.1	6578.3	6525.3	6451.2	6281.7	6080.4	5847.4	5413.1
135°	6832.5	6758.4	6705.4	6567.7	6440.6	6419.4	6313.5	6218.1	6048.7	5879.2	5466.0
137.5°	6663.1	6620.7	6588.9	6440.6	6313.5	6313.5	6281.7	6154.6	6006.3	5773.2	5423.7
140°	6588.9	6535.9	6451.2	6334.7	6260.5	6197.0	6165.2	6059.2	5879.2	5699.1	5413.1
142.5°	6461.8	6419.4	6398.2	6292.3	6175.8	6112.2	6048.7	5932.1	5805.0	5677.9	5370.7
145°	6387.6	6377.0	6355.9	6249.9	6069.8	6038.1	6016.9	5889.8	5773.2	5572.0	5360.1
147.5°	6292.3	6302.9	6281.7	6154.6	6038.1	5963.9	5910.9	5794.4	5709.7	5540.2	5275.4
150°	6228.7	6239.3	6218.1	6059.2	5932.1	5900.4	5879.2	5762.6	5603.7	5466.0	5243.6
152.5°	6197.0	6165.2	6112.2	6048.7	5910.9	5836.8	5815.6	5688.5	5603.7	5434.3	5222.4
155°	6133.4	6091.0	6059.2	5953.3	5868.6	5794.4	5741.5	5667.3	5572.0	5402.5	5222.4
157.5°	6069.8	6027.5	6006.3	5985.1	5868.6	5762.6	5752.0	5667.3	5519.0	5391.9	5243.6
160°	6006.3	5900.4	5985.1	5858.0	5826.2	5741.5	5677.9	5624.9	5519.0	5402.5	5275.4
162.5°	5942.7	5910.9	5900.4	5826.2	5762.6	5709.7	5614.3	5646.1	5519.0	5413.1	5317.7
165°	5889.8	5858.0	5847.4	5826.2	5730.9	5688.5	5667.3	5603.7	5550.8	5444.8	5360.1
167.5°	5836.8	5783.8	5805.0	5783.8	5667.3	5699.1	5646.1	5603.7	5572.0	5487.2	5402.5
170°	5826.2	5720.3	5773.2	5762.6	5677.9	5667.3	5603.7	5593.2	5561.4	5497.8	5455.4
172.5°	5773.2	5699.1	5730.9	5699.1	5656.7	5624.9	5624.9	5635.5	5582.6	5540.2	5487.2
175°	5688.5	5646.1	5656.7	5688.5	5624.9	5603.7	5550.8	5593.2	5603.7	5529.6	5508.4
177.5°	5593.2	5635.5	5603.7	5646.1	5593.2	5582.6	5550.8	5582.6	5582.6	5519.0	5519.0
180°	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6



TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-L30-1-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°	31.8	42.4	42.4	53.0	63.6	63.6	74.2	74.2	84.7	95.3	105.9
95°	63.6	53.0	63.6	74.2	74.2	84.7	95.3	95.3	105.9	116.5	116.5
97.5°	127.1	84.7	84.7	84.7	95.3	95.3	105.9	116.5	127.1	127.1	127.1
100°	243.6	137.7	137.7	105.9	105.9	116.5	116.5	127.1	137.7	137.7	137.7
102.5°	423.7	254.2	201.3	137.7	127.1	127.1	137.7	137.7	148.3	148.3	148.3
105°	794.5	508.5	286.0	169.5	158.9	148.3	148.3	148.3	158.9	158.9	158.9
107.5°	1398.3	815.7	402.5	222.5	190.7	169.5	169.5	169.5	169.5	169.5	169.5
110°	2129.2	1197.0	550.8	286.0	233.0	201.3	190.7	190.7	180.1	180.1	180.1
112.5°	2796.6	1567.8	699.1	349.6	275.4	233.0	211.9	201.3	201.3	190.7	180.1
115°	3220.3	1843.2	847.4	402.5	317.8	264.8	222.5	222.5	211.9	201.3	190.7
117.5°	3527.5	2129.2	1027.5	487.3	370.8	307.2	243.6	233.0	222.5	222.5	211.9
120°	3824.1	2425.8	1218.2	582.6	444.9	349.6	275.4	254.2	243.6	233.0	222.5
122.5°	4110.1	2711.8	1430.1	699.1	519.1	413.1	307.2	275.4	264.8	243.6	243.6
125°	4332.6	3008.4	1673.7	847.4	625.0	487.3	349.6	296.6	275.4	264.8	254.2
127.5°	4576.2	3305.0	1927.9	1006.3	741.5	582.6	402.5	328.4	307.2	286.0	275.4
130°	4756.3	3591.1	2203.4	1218.2	911.0	699.1	476.7	370.8	328.4	307.2	296.6
132.5°	4894.0	3834.7	2478.8	1451.3	1112.3	847.4	572.0	444.9	370.8	339.0	317.8
135°	4936.4	4046.6	2764.8	1705.5	1324.1	1038.1	699.1	529.7	423.7	370.8	349.6
137.5°	4978.8	4216.1	3040.2	1991.5	1599.6	1271.2	847.4	635.6	508.5	434.3	381.4
140°	4957.6	4343.2	3305.0	2309.3	1885.6	1525.4	1048.7	773.3	614.4	519.1	444.9
142.5°	4947.0	4449.1	3580.5	2605.9	2182.2	1822.0	1292.4	953.4	752.1	614.4	529.7
145°	4968.2	4523.3	3781.7	2923.7	2531.7	2161.0	1589.0	1165.2	921.6	752.1	656.8
147.5°	4894.0	4565.6	4025.4	3199.1	2838.9	2478.8	1906.8	1451.3	1154.6	942.8	805.1
150°	4957.6	4586.8	4131.3	3474.5	3135.6	2807.2	2256.3	1779.6	1440.7	1186.4	1016.9
152.5°	4947.0	4608.0	4247.8	3718.2	3432.2	3125.0	2574.1	2108.0	1747.9	1483.0	1281.8
155°	4999.9	4618.6	4364.4	3961.8	3707.6	3432.2	2934.3	2489.4	2108.0	1843.2	1610.2
157.5°	5042.3	4756.3	4502.1	4184.3	3961.8	3728.8	3305.0	2891.9	2531.7	2256.3	1970.3
160°	5105.9	4830.5	4608.0	4364.4	4216.1	3972.4	3665.2	3336.8	2987.3	2690.6	2457.6
162.5°	5137.7	4947.0	4756.3	4512.7	4417.3	4247.8	3993.6	3750.0	3453.3	3177.9	2955.5
165°	5201.2	5010.5	4883.4	4682.1	4586.8	4438.5	4279.6	4057.2	3877.1	3644.0	3474.5
167.5°	5264.8	5137.7	5031.7	4872.8	4788.1	4682.1	4544.4	4396.1	4300.8	4120.7	3951.2
170°	5328.3	5222.4	5169.4	5095.3	4968.2	4883.4	4819.9	4713.9	4586.8	4502.1	4406.7
172.5°	5381.3	5338.9	5307.1	5286.0	5158.8	5095.3	5052.9	4936.4	4936.4	4819.9	4745.7
175°	5466.0	5328.3	5423.7	5370.7	5328.3	5275.4	5254.2	5222.4	5190.6	5148.2	5105.9
177.5°	5508.4	5487.2	5508.4	5487.2	5476.6	5423.7	5455.4	5423.7	5413.1	5402.5	5370.7
180°	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6



TEST NUMBER: P508400

CATALOG NUMBER: ASYX-X-L6-X-U-HSS-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°	116.5	116.5	127.1	127.1	127.1	127.1	137.7	127.1	116.5
95°	127.1	137.7	137.7	137.7	148.3	148.3	148.3	148.3	148.3
97.5°	137.7	137.7	148.3	148.3	148.3	158.9	158.9	158.9	158.9
100°	148.3	148.3	148.3	158.9	158.9	158.9	158.9	158.9	158.9
102.5°	148.3	148.3	148.3	158.9	158.9	158.9	158.9	158.9	158.9
105°	158.9	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
107.5°	158.9	158.9	148.3	148.3	148.3	148.3	148.3	148.3	148.3
110°	169.5	158.9	148.3	148.3	148.3	148.3	148.3	148.3	137.7
112.5°	180.1	169.5	158.9	148.3	148.3	148.3	148.3	137.7	137.7
115°	190.7	180.1	169.5	169.5	158.9	158.9	158.9	148.3	148.3
117.5°	201.3	190.7	180.1	180.1	169.5	169.5	158.9	158.9	158.9
120°	211.9	211.9	201.3	190.7	190.7	180.1	180.1	169.5	169.5
122.5°	233.0	211.9	211.9	211.9	211.9	201.3	190.7	190.7	190.7
125°	243.6	233.0	233.0	233.0	222.5	222.5	211.9	201.3	201.3
127.5°	264.8	254.2	254.2	243.6	243.6	233.0	233.0	222.5	222.5
130°	286.0	275.4	264.8	264.8	264.8	254.2	254.2	243.6	243.6
132.5°	307.2	296.6	296.6	286.0	286.0	275.4	275.4	264.8	264.8
135°	339.0	317.8	317.8	317.8	307.2	296.6	296.6	296.6	286.0
137.5°	360.2	349.6	339.0	328.4	328.4	328.4	317.8	317.8	317.8
140°	413.1	381.4	370.8	360.2	360.2	349.6	349.6	349.6	349.6
142.5°	476.7	444.9	413.1	402.5	391.9	381.4	381.4	370.8	370.8
145°	582.6	529.7	487.3	476.7	455.5	434.3	434.3	423.7	423.7
147.5°	709.7	646.2	593.2	572.0	561.4	540.2	519.1	508.5	497.9
150°	889.8	794.5	741.5	720.3	699.1	656.8	635.6	625.0	625.0
152.5°	1122.9	1016.9	932.2	889.8	868.6	826.3	794.5	783.9	794.5
155°	1408.9	1281.8	1197.0	1144.1	1101.7	1048.7	1027.5	1016.9	995.8
157.5°	1811.4	1641.9	1514.8	1472.4	1419.5	1366.5	1334.7	1303.0	1281.8
160°	2245.7	2055.1	1938.5	1885.6	1822.0	1737.3	1694.9	1652.5	1631.3
162.5°	2722.4	2563.5	2425.8	2341.1	2309.3	2203.4	2161.0	2108.0	2118.6
165°	3252.1	3082.6	2976.7	2913.1	2828.4	2775.4	2743.6	2669.5	2637.7
167.5°	3813.5	3622.8	3569.9	3485.1	3411.0	3336.8	3336.8	3305.0	3273.3
170°	4237.2	4194.9	4131.3	4036.0	4025.4	3972.4	3972.4	3940.6	3951.2
172.5°	4639.8	4576.2	4576.2	4544.4	4512.7	4491.5	4438.5	4459.7	4459.7
175°	5042.3	5010.5	4989.3	4904.6	4925.8	4925.8	4894.0	4894.0	4915.2
177.5°	5370.7	5370.7	5349.5	5338.9	5328.3	5338.9	5349.5	5360.1	5338.9
180°	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6	5529.6

(END OF REPORT)