

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: P508464

Luminaire Tested: **ASYX-X-S4-X-U-HSS-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508464
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-S4-X-U-HSS-L30-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(4) 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

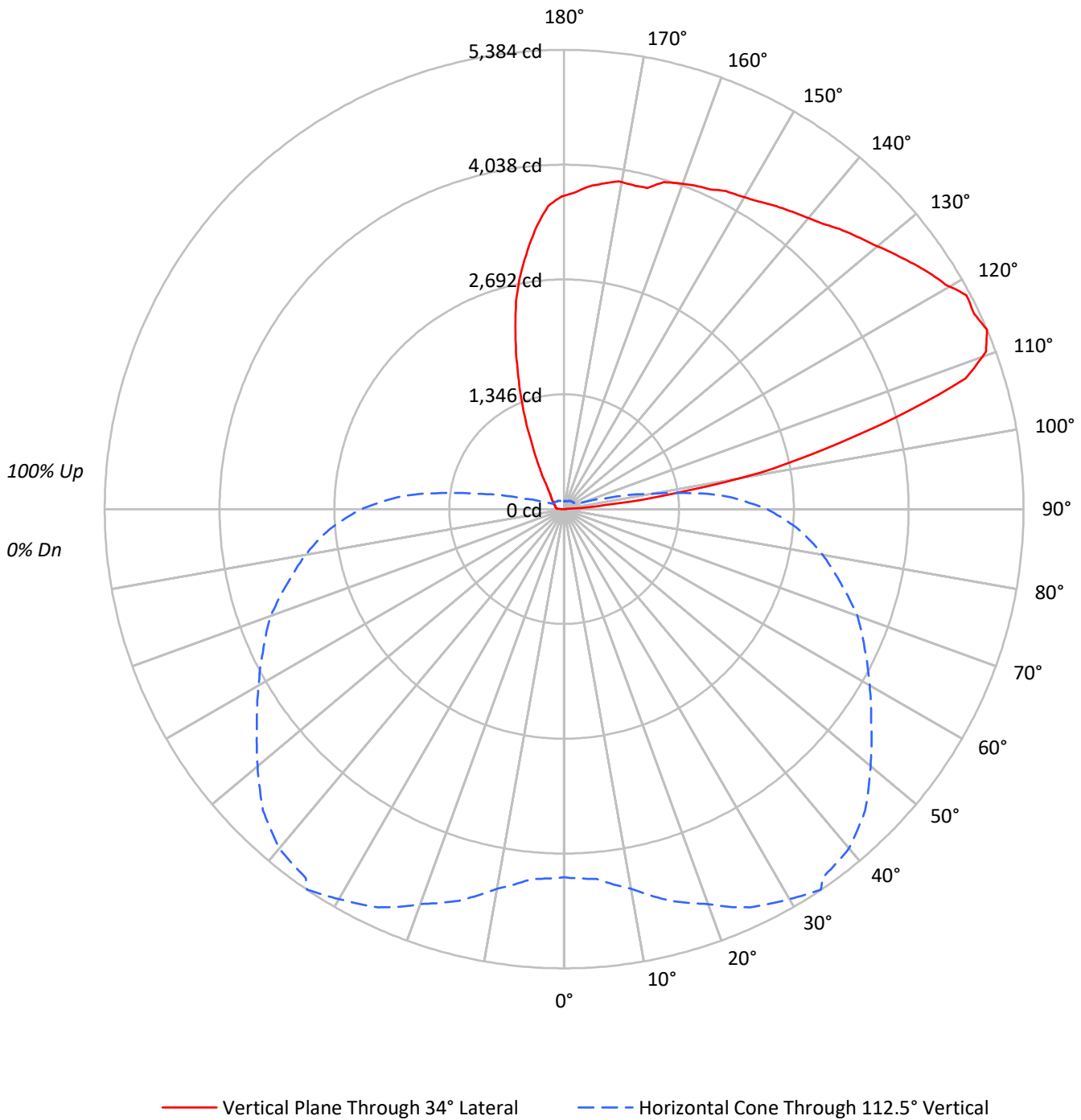
Lumens per Lamp: N/A
Luminaire Lumens: 12618.2 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 215.1
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: P508464
CATALOG NUMBER: ASYX-X-S4-X-U-HSS-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-X-U-HSS-L30-1-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°	865	10399	12140
100°	35240	21317	6527
105°	108006	33861	4088
110°	123926	58097	2870
115°	112983	67932	2504
120°	96707	65731	2418
125°	81271	63094	2503
130°	73344	59122	2703
135°	64963	55133	2885
140°	60064	50398	3254
145°	54970	46669	3690
150°	52082	43184	5147
155°	48934	41098	7836
160°	46712	40040	12381
165°	44741	39578	19476
170°	43192	39510	28616
175°	41485	39437	35190



TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-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°	245.4	1.9
100°-110°	1537.9	12.2
110°-120°	2377.1	18.8
120°-130°	2294.1	18.2
130°-140°	1992.4	15.8
140°-150°	1642.2	13.0
150°-160°	1294.0	10.3
160°-170°	897.7	7.1
170°-180°	337.4	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°	4160.4	33.0
90°-150°	10089.0	80.0
90°-180°	12618.0	100.0
0°-180°	12618.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	7	63	84	77	98	119
105°	2597	4169	814	105	98	2548
115°	4436	5061	2667	133	98	4314
125°	4331	4934	3362	176	133	3960
135°	4268	4527	3622	246	190	3319
145°	4183	4232	3552	498	281	2652
155°	4120	4064	3460	1221	660	1899
165°	4015	3903	3552	2414	1748	1140
175°	3839	3769	3650	3411	3257	368
180°	3664	3664	3664	3664	3664	



TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-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	7.0	7.0	21.1	14.0	14.0	21.1	28.1	35.1	14.0
95°	7.0	7.0	14.0	182.5	547.5	603.6	575.6	554.5	484.3	421.1	105.3
97.5°	147.4	175.5	280.8	751.0	1523.1	1754.7	1867.1	1530.1	1256.4	1165.2	624.7
100°	568.5	659.8	912.5	1726.7	2576.0	2632.1	2611.1	2540.9	2337.3	2204.0	1691.6
102.5°	1516.1	1579.3	1930.2	2653.2	3116.4	3214.7	3214.7	3151.5	3130.5	3088.4	2926.9
105°	2597.0	2667.2	2948.0	3320.0	3600.7	3706.0	3762.2	3902.6	4042.9	4064.0	4218.4
107.5°	3320.0	3390.2	3607.8	3888.5	4253.5	4386.9	4548.3	4772.9	4948.4	4927.3	4892.2
110°	3937.7	4014.9	4218.4	4499.2	4765.9	4927.3	5081.8	5180.0	5278.3	5180.0	5130.9
112.5°	4316.7	4351.8	4520.2	4751.9	4927.3	5046.7	5151.9	5278.3	5383.6	5278.3	5194.1
115°	4436.0	4457.1	4604.5	4765.9	4955.4	5067.7	5144.9	5278.3	5320.4	5299.3	5229.2
117.5°	4429.0	4520.2	4646.6	4758.9	4941.4	5032.6	5109.8	5215.1	5341.5	5285.3	5215.1
120°	4492.2	4499.2	4632.5	4765.9	4899.3	4976.5	4976.5	5130.9	5187.0	5173.0	5159.0
122.5°	4471.1	4492.2	4604.5	4688.7	4829.1	4892.2	4955.4	5032.6	5095.8	5074.7	5074.7
125°	4330.7	4464.1	4527.3	4625.5	4758.9	4801.0	4864.2	4927.3	4983.5	4962.4	4955.4
127.5°	4414.9	4422.0	4478.1	4583.4	4667.6	4695.7	4765.9	4822.1	4878.2	4871.2	4885.2
130°	4379.9	4358.8	4492.2	4534.3	4597.4	4646.6	4681.7	4730.8	4772.9	4772.9	4787.0
132.5°	4351.8	4351.8	4393.9	4478.1	4534.3	4569.4	4625.5	4639.6	4688.7	4702.7	4674.7
135°	4267.6	4323.7	4386.9	4414.9	4478.1	4506.2	4534.3	4562.3	4604.5	4618.5	4569.4
137.5°	4183.3	4267.6	4351.8	4393.9	4443.0	4443.0	4443.0	4485.1	4506.2	4527.3	4478.1
140°	4274.6	4267.6	4344.8	4337.7	4365.8	4358.8	4407.9	4414.9	4443.0	4429.0	4400.9
142.5°	4253.5	4253.5	4274.6	4302.6	4295.6	4309.7	4344.8	4379.9	4379.9	4393.9	4344.8
145°	4183.3	4204.4	4239.5	4267.6	4267.6	4260.5	4302.6	4309.7	4323.7	4316.7	4288.6
147.5°	4211.4	4211.4	4211.4	4246.5	4246.5	4246.5	4253.5	4260.5	4260.5	4267.6	4246.5
150°	4190.3	4197.4	4211.4	4197.4	4232.5	4176.3	4211.4	4211.4	4211.4	4218.4	4204.4
152.5°	4050.0	4148.2	4183.3	4176.3	4148.2	4162.3	4169.3	4197.4	4183.3	4197.4	4155.2
155°	4120.2	4113.1	4120.2	4127.2	4106.1	4120.2	4127.2	4127.2	4120.2	4127.2	4092.1
157.5°	4099.1	4092.1	4127.2	4085.1	4106.1	4120.2	4092.1	4113.1	4092.1	4120.2	4106.1
160°	4078.0	4064.0	4092.1	4064.0	4092.1	4057.0	4035.9	4071.0	4050.0	4099.1	4028.9
162.5°	4050.0	4042.9	4071.0	4035.9	4007.8	3993.8	4014.9	4021.9	4007.8	4021.9	3986.8
165°	4014.9	4014.9	4014.9	3979.8	4000.8	4000.8	3972.8	3979.8	3888.5	3986.8	3944.7
167.5°	3986.8	4014.9	3979.8	3944.7	3986.8	3986.8	3937.7	3944.7	3881.5	3930.6	3909.6
170°	3951.7	3923.6	3930.6	3930.6	3965.7	3902.6	3867.5	3930.6	3895.5	3930.6	3895.5
172.5°	3867.5	3895.5	3895.5	3881.5	3860.4	3860.4	3853.4	3867.5	3846.4	3853.4	3832.4
175°	3839.4	3839.4	3853.4	3874.5	3832.4	3825.4	3783.2	3818.3	3797.3	3811.3	3790.3
177.5°	3734.1	3790.3	3783.2	3734.1	3762.2	3720.1	3741.1	3755.2	3713.0	3748.1	3713.0
180°	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9



TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-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°	14.0	14.0	14.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
95°	63.2	84.2	203.6	168.5	126.3	119.3	133.4	119.3	105.3	91.2	84.2
97.5°	505.4	568.5	596.6	526.4	519.4	477.3	428.2	322.9	294.8	259.7	203.6
100°	1382.7	1228.3	1151.1	1024.8	828.2	751.0	687.9	568.5	463.3	407.1	343.9
102.5°	2646.2	2358.4	1986.4	1593.3	1298.5	1186.2	1059.9	884.4	744.0	617.7	512.4
105°	4169.3	3621.8	2898.8	2372.4	1979.4	1733.7	1621.4	1340.6	1109.0	968.6	814.2
107.5°	4674.7	4323.7	3874.5	3327.0	2863.8	2639.1	2393.5	2021.5	1726.7	1467.0	1235.3
110°	4885.2	4583.4	4246.5	3923.6	3607.8	3404.2	3235.8	2856.7	2491.7	2168.9	1846.0
112.5°	4990.5	4688.7	4393.9	4134.2	3888.5	3776.2	3656.9	3355.1	3074.3	2765.5	2379.4
115°	5060.7	4822.1	4562.3	4288.6	4099.1	3979.8	3874.5	3600.7	3341.0	3060.3	2667.2
117.5°	5095.8	4857.1	4667.6	4443.0	4246.5	4148.2	4035.9	3790.3	3530.6	3270.9	2877.8
120°	5053.7	4892.2	4737.8	4548.3	4358.8	4260.5	4169.3	3923.6	3685.0	3439.3	3053.3
122.5°	4997.5	4906.3	4787.0	4597.4	4457.1	4372.8	4295.6	4050.0	3839.4	3558.6	3207.7
125°	4934.4	4843.1	4716.8	4597.4	4485.1	4422.0	4365.8	4148.2	3930.6	3692.0	3362.1
127.5°	4836.1	4751.9	4653.6	4555.3	4471.1	4407.9	4386.9	4197.4	3993.8	3783.2	3446.3
130°	4730.8	4660.6	4576.4	4478.1	4422.0	4351.8	4358.8	4190.3	4028.9	3832.4	3530.6
132.5°	4590.4	4541.3	4520.2	4414.9	4358.8	4323.7	4274.6	4162.3	4028.9	3874.5	3586.7
135°	4527.3	4478.1	4443.0	4351.8	4267.6	4253.5	4183.3	4120.2	4007.8	3895.5	3621.8
137.5°	4414.9	4386.9	4365.8	4267.6	4183.3	4183.3	4162.3	4078.0	3979.8	3825.4	3593.7
140°	4365.8	4330.7	4274.6	4197.4	4148.2	4106.1	4085.1	4014.9	3895.5	3776.2	3586.7
142.5°	4281.6	4253.5	4239.5	4169.3	4092.1	4050.0	4007.8	3930.6	3846.4	3762.2	3558.6
145°	4232.5	4225.4	4211.4	4141.2	4021.9	4000.8	3986.8	3902.6	3825.4	3692.0	3551.6
147.5°	4169.3	4176.3	4162.3	4078.0	4000.8	3951.7	3916.6	3839.4	3783.2	3670.9	3495.5
150°	4127.2	4134.2	4120.2	4014.9	3930.6	3909.6	3895.5	3818.3	3713.0	3621.8	3474.4
152.5°	4106.1	4085.1	4050.0	4007.8	3916.6	3867.5	3853.4	3769.2	3713.0	3600.7	3460.4
155°	4064.0	4035.9	4014.9	3944.7	3888.5	3839.4	3804.3	3755.2	3692.0	3579.7	3460.4
157.5°	4021.9	3993.8	3979.8	3965.7	3888.5	3818.3	3811.3	3755.2	3656.9	3572.7	3474.4
160°	3979.8	3909.6	3965.7	3881.5	3860.4	3804.3	3762.2	3727.1	3656.9	3579.7	3495.5
162.5°	3937.7	3916.6	3909.6	3860.4	3818.3	3783.2	3720.1	3741.1	3656.9	3586.7	3523.5
165°	3902.6	3881.5	3874.5	3860.4	3797.3	3769.2	3755.2	3713.0	3678.0	3607.8	3551.6
167.5°	3867.5	3832.4	3846.4	3832.4	3755.2	3776.2	3741.1	3713.0	3692.0	3635.8	3579.7
170°	3860.4	3790.3	3825.4	3818.3	3762.2	3755.2	3713.0	3706.0	3685.0	3642.9	3614.8
172.5°	3825.4	3776.2	3797.3	3776.2	3748.1	3727.1	3727.1	3734.1	3699.0	3670.9	3635.8
175°	3769.2	3741.1	3748.1	3769.2	3727.1	3713.0	3678.0	3706.0	3713.0	3663.9	3649.9
177.5°	3706.0	3734.1	3713.0	3741.1	3706.0	3699.0	3678.0	3699.0	3699.0	3656.9	3656.9
180°	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9



TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-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°	21.1	28.1	28.1	35.1	42.1	42.1	49.1	49.1	56.2	63.2	70.2
95°	42.1	35.1	42.1	49.1	49.1	56.2	63.2	63.2	70.2	77.2	77.2
97.5°	84.2	56.2	56.2	56.2	63.2	63.2	70.2	77.2	84.2	84.2	84.2
100°	161.4	91.2	91.2	70.2	70.2	77.2	77.2	84.2	91.2	91.2	91.2
102.5°	280.8	168.5	133.4	91.2	84.2	84.2	91.2	91.2	98.3	98.3	98.3
105°	526.4	336.9	189.5	112.3	105.3	98.3	98.3	98.3	105.3	105.3	105.3
107.5°	926.5	540.5	266.7	147.4	126.3	112.3	112.3	112.3	112.3	112.3	112.3
110°	1410.8	793.1	365.0	189.5	154.4	133.4	126.3	126.3	119.3	119.3	119.3
112.5°	1853.0	1038.8	463.3	231.6	182.5	154.4	140.4	133.4	133.4	126.3	119.3
115°	2133.8	1221.3	561.5	266.7	210.6	175.5	147.4	147.4	140.4	133.4	126.3
117.5°	2337.3	1410.8	680.8	322.9	245.7	203.6	161.4	154.4	147.4	147.4	140.4
120°	2533.9	1607.4	807.2	386.0	294.8	231.6	182.5	168.5	161.4	154.4	147.4
122.5°	2723.4	1796.9	947.6	463.3	343.9	273.7	203.6	182.5	175.5	161.4	161.4
125°	2870.8	1993.4	1109.0	561.5	414.1	322.9	231.6	196.5	182.5	175.5	168.5
127.5°	3032.2	2189.9	1277.5	666.8	491.3	386.0	266.7	217.6	203.6	189.5	182.5
130°	3151.5	2379.4	1460.0	807.2	603.6	463.3	315.9	245.7	217.6	203.6	196.5
132.5°	3242.8	2540.9	1642.4	961.6	737.0	561.5	379.0	294.8	245.7	224.6	210.6
135°	3270.9	2681.3	1832.0	1130.1	877.4	687.9	463.3	350.9	280.8	245.7	231.6
137.5°	3298.9	2793.6	2014.5	1319.6	1059.9	842.3	561.5	421.1	336.9	287.8	252.7
140°	3284.9	2877.8	2189.9	1530.1	1249.4	1010.7	694.9	512.4	407.1	343.9	294.8
142.5°	3277.9	2948.0	2372.4	1726.7	1445.9	1207.3	856.3	631.7	498.3	407.1	350.9
145°	3291.9	2997.1	2505.8	1937.2	1677.5	1431.9	1052.8	772.1	610.7	498.3	435.2
147.5°	3242.8	3025.2	2667.2	2119.7	1881.1	1642.4	1263.4	961.6	765.1	624.7	533.4
150°	3284.9	3039.2	2737.4	2302.2	2077.6	1860.0	1495.0	1179.2	954.6	786.1	673.8
152.5°	3277.9	3053.3	2814.6	2463.7	2274.2	2070.6	1705.6	1396.8	1158.1	982.7	849.3
155°	3313.0	3060.3	2891.8	2625.1	2456.6	2274.2	1944.3	1649.5	1396.8	1221.3	1066.9
157.5°	3341.0	3151.5	2983.1	2772.5	2625.1	2470.7	2189.9	1916.2	1677.5	1495.0	1305.5
160°	3383.2	3200.7	3053.3	2891.8	2793.6	2632.1	2428.6	2211.0	1979.4	1782.8	1628.4
162.5°	3404.2	3277.9	3151.5	2990.1	2926.9	2814.6	2646.2	2484.7	2288.2	2105.7	1958.3
165°	3446.3	3320.0	3235.8	3102.4	3039.2	2941.0	2835.7	2688.3	2569.0	2414.5	2302.2
167.5°	3488.4	3404.2	3334.0	3228.7	3172.6	3102.4	3011.1	2912.9	2849.7	2730.4	2618.1
170°	3530.6	3460.4	3425.3	3376.1	3291.9	3235.8	3193.6	3123.5	3039.2	2983.1	2919.9
172.5°	3565.7	3537.6	3516.5	3502.5	3418.3	3376.1	3348.1	3270.9	3270.9	3193.6	3144.5
175°	3621.8	3530.6	3593.7	3558.6	3530.6	3495.5	3481.4	3460.4	3439.3	3411.2	3383.2
177.5°	3649.9	3635.8	3649.9	3635.8	3628.8	3593.7	3614.8	3593.7	3586.7	3579.7	3558.6
180°	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9



TEST NUMBER: P508464

CATALOG NUMBER: ASYX-X-S4-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°	77.2	77.2	84.2	84.2	84.2	84.2	91.2	84.2	77.2
95°	84.2	91.2	91.2	91.2	98.3	98.3	98.3	98.3	98.3
97.5°	91.2	91.2	98.3	98.3	98.3	105.3	105.3	105.3	105.3
100°	98.3	98.3	98.3	105.3	105.3	105.3	105.3	105.3	105.3
102.5°	98.3	98.3	98.3	105.3	105.3	105.3	105.3	105.3	105.3
105°	105.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
107.5°	105.3	105.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
110°	112.3	105.3	98.3	98.3	98.3	98.3	98.3	98.3	91.2
112.5°	119.3	112.3	105.3	98.3	98.3	98.3	98.3	91.2	91.2
115°	126.3	119.3	112.3	112.3	105.3	105.3	105.3	98.3	98.3
117.5°	133.4	126.3	119.3	119.3	112.3	112.3	105.3	105.3	105.3
120°	140.4	140.4	133.4	126.3	126.3	119.3	119.3	112.3	112.3
122.5°	154.4	140.4	140.4	140.4	140.4	133.4	126.3	126.3	126.3
125°	161.4	154.4	154.4	154.4	147.4	147.4	140.4	133.4	133.4
127.5°	175.5	168.5	168.5	161.4	161.4	154.4	154.4	147.4	147.4
130°	189.5	182.5	175.5	175.5	175.5	168.5	168.5	161.4	161.4
132.5°	203.6	196.5	196.5	189.5	189.5	182.5	182.5	175.5	175.5
135°	224.6	210.6	210.6	210.6	203.6	196.5	196.5	196.5	189.5
137.5°	238.6	231.6	224.6	217.6	217.6	217.6	210.6	210.6	210.6
140°	273.7	252.7	245.7	238.6	238.6	231.6	231.6	231.6	231.6
142.5°	315.9	294.8	273.7	266.7	259.7	252.7	252.7	245.7	245.7
145°	386.0	350.9	322.9	315.9	301.8	287.8	287.8	280.8	280.8
147.5°	470.3	428.2	393.1	379.0	372.0	358.0	343.9	336.9	329.9
150°	589.6	526.4	491.3	477.3	463.3	435.2	421.1	414.1	414.1
152.5°	744.0	673.8	617.7	589.6	575.6	547.5	526.4	519.4	526.4
155°	933.5	849.3	793.1	758.1	730.0	694.9	680.8	673.8	659.8
157.5°	1200.2	1087.9	1003.7	975.6	940.5	905.5	884.4	863.3	849.3
160°	1488.0	1361.7	1284.5	1249.4	1207.3	1151.1	1123.0	1095.0	1080.9
162.5°	1803.9	1698.6	1607.4	1551.2	1530.1	1460.0	1431.9	1396.8	1403.8
165°	2154.8	2042.5	1972.3	1930.2	1874.1	1839.0	1817.9	1768.8	1747.7
167.5°	2526.8	2400.5	2365.4	2309.3	2260.1	2211.0	2211.0	2189.9	2168.9
170°	2807.6	2779.5	2737.4	2674.2	2667.2	2632.1	2632.1	2611.1	2618.1
172.5°	3074.3	3032.2	3032.2	3011.1	2990.1	2976.1	2941.0	2955.0	2955.0
175°	3341.0	3320.0	3305.9	3249.8	3263.8	3263.8	3242.8	3242.8	3256.8
177.5°	3558.6	3558.6	3544.6	3537.6	3530.6	3537.6	3544.6	3551.6	3537.6
180°	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9	3663.9

(END OF REPORT)