

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: P508368

Luminaire Tested: **ASYX-X-L4-X-U-HSS-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508368
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-L4-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

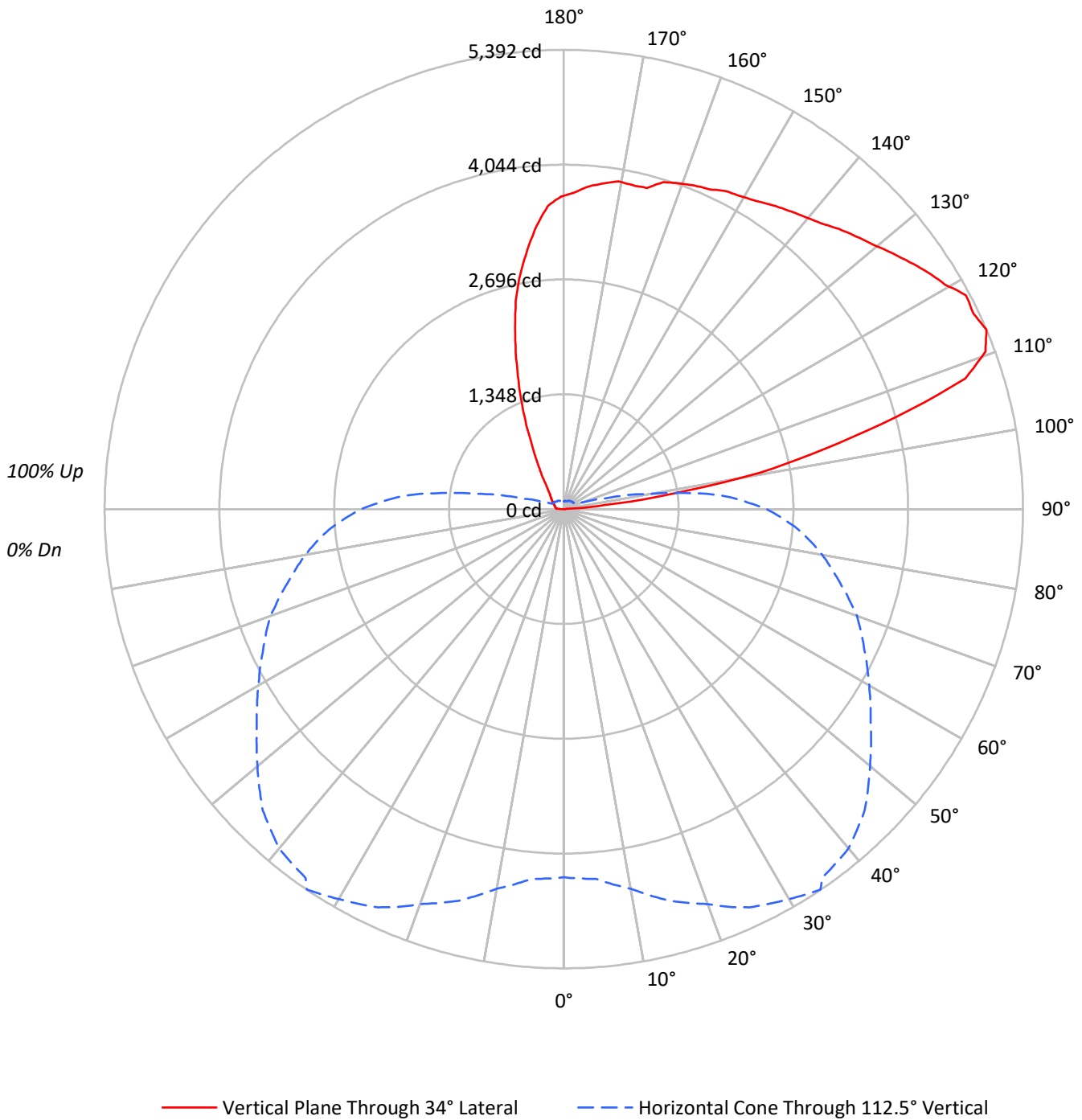
Lumens per Lamp: N/A
Luminaire Lumens: 12639.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 214.8
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: P508368
CATALOG NUMBER: ASYX-X-L4-X-U-HSS-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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	10424	12153
100°	35302	21354	6540
105°	108184	33915	4092
110°	124130	58191	2877
115°	113169	68045	2506
120°	96867	65839	2422
125°	81406	63197	2507
130°	73465	59219	2708
135°	65070	55224	2889
140°	60162	50481	3260
145°	55061	46747	3695
150°	52169	43255	5156
155°	49014	41166	7849
160°	46790	40105	12402
165°	44814	39643	19508
170°	43263	39574	28663
175°	41553	39502	35248



TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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°	245.8	1.9
100°-110°	1540.4	12.2
110°-120°	2381.0	18.8
120°-130°	2297.8	18.2
130°-140°	1995.7	15.8
140°-150°	1644.9	13.0
150°-160°	1296.1	10.3
160°-170°	899.2	7.1
170°-180°	338.0	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°	4167.2	33.0
90°-150°	10105.7	80.0
90°-180°	12639.0	100.0
0°-180°	12639.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	7	63	84	77	98	119
105°	2601	4176	816	106	98	2553
115°	4443	5069	2672	134	98	4322
125°	4338	4942	3368	176	134	3967
135°	4275	4535	3628	246	190	3324
145°	4190	4239	3558	499	281	2656
155°	4127	4071	3466	1223	661	1902
165°	4022	3909	3558	2418	1751	1142
175°	3846	3775	3656	3417	3262	369
180°	3670	3670	3670	3670	3670	



TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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	14.1	14.1	21.1	28.1	35.2	14.1
95°	7.0	7.0	14.1	182.8	548.4	604.6	576.5	555.4	485.1	421.8	105.5
97.5°	147.6	175.8	281.2	752.3	1525.6	1757.6	1870.1	1532.7	1258.5	1167.1	625.7
100°	569.5	660.9	914.0	1729.5	2580.2	2636.5	2615.4	2545.1	2341.2	2207.6	1694.4
102.5°	1518.6	1581.9	1933.4	2657.6	3121.6	3220.0	3220.0	3156.7	3135.6	3093.5	2931.7
105°	2601.3	2671.6	2952.8	3325.5	3606.7	3712.1	3768.4	3909.0	4049.6	4070.7	4225.4
107.5°	3325.5	3395.8	3613.7	3894.9	4260.5	4394.1	4555.8	4780.8	4956.6	4935.5	4900.3
110°	3944.2	4021.5	4225.4	4506.6	4773.8	4935.5	5090.1	5188.6	5287.0	5188.6	5139.3
112.5°	4323.8	4359.0	4527.7	4759.7	4935.5	5055.0	5160.4	5287.0	5392.4	5287.0	5202.6
115°	4443.3	4464.4	4612.1	4773.8	4963.6	5076.1	5153.4	5287.0	5329.2	5308.1	5237.8
117.5°	4436.3	4527.7	4654.2	4766.7	4949.5	5040.9	5118.3	5223.7	5350.3	5294.0	5223.7
120°	4499.6	4506.6	4640.2	4773.8	4907.3	4984.7	4984.7	5139.3	5195.6	5181.5	5167.5
122.5°	4478.5	4499.6	4612.1	4696.4	4837.0	4900.3	4963.6	5040.9	5104.2	5083.1	5083.1
125°	4337.9	4471.4	4534.7	4633.1	4766.7	4808.9	4872.2	4935.5	4991.7	4970.6	4963.6
127.5°	4422.2	4429.3	4485.5	4591.0	4675.3	4703.5	4773.8	4830.0	4886.2	4879.2	4893.3
130°	4387.1	4366.0	4499.6	4541.7	4605.0	4654.2	4689.4	4738.6	4780.8	4780.8	4794.8
132.5°	4359.0	4359.0	4401.1	4485.5	4541.7	4576.9	4633.1	4647.2	4696.4	4710.5	4682.4
135°	4274.6	4330.8	4394.1	4422.2	4485.5	4513.6	4541.7	4569.9	4612.1	4626.1	4576.9
137.5°	4190.2	4274.6	4359.0	4401.1	4450.4	4450.4	4450.4	4492.5	4513.6	4534.7	4485.5
140°	4281.6	4274.6	4351.9	4344.9	4373.0	4366.0	4415.2	4422.2	4450.4	4436.3	4408.2
142.5°	4260.5	4260.5	4281.6	4309.7	4302.7	4316.8	4351.9	4387.1	4387.1	4401.1	4351.9
145°	4190.2	4211.3	4246.5	4274.6	4274.6	4267.6	4309.7	4316.8	4330.8	4323.8	4295.7
147.5°	4218.3	4218.3	4218.3	4253.5	4253.5	4253.5	4260.5	4267.6	4267.6	4274.6	4253.5
150°	4197.3	4204.3	4218.3	4204.3	4239.4	4183.2	4218.3	4218.3	4218.3	4225.4	4211.3
152.5°	4056.6	4155.1	4190.2	4183.2	4155.1	4169.1	4176.2	4204.3	4190.2	4204.3	4162.1
155°	4126.9	4119.9	4126.9	4134.0	4112.9	4126.9	4134.0	4134.0	4126.9	4134.0	4098.8
157.5°	4105.9	4098.8	4134.0	4091.8	4112.9	4126.9	4098.8	4119.9	4098.8	4126.9	4112.9
160°	4084.8	4070.7	4098.8	4070.7	4098.8	4063.7	4042.6	4077.7	4056.6	4105.9	4035.5
162.5°	4056.6	4049.6	4077.7	4042.6	4014.5	4000.4	4021.5	4028.5	4014.5	4028.5	3993.4
165°	4021.5	4021.5	4021.5	3986.3	4007.4	4007.4	3979.3	3986.3	3894.9	3993.4	3951.2
167.5°	3993.4	4021.5	3986.3	3951.2	3993.4	3993.4	3944.2	3951.2	3887.9	3937.1	3916.0
170°	3958.2	3930.1	3937.1	3937.1	3972.3	3909.0	3873.8	3937.1	3902.0	3937.1	3902.0
172.5°	3873.8	3902.0	3902.0	3887.9	3866.8	3866.8	3859.8	3873.8	3852.8	3859.8	3838.7
175°	3845.7	3845.7	3859.8	3880.9	3838.7	3831.7	3789.5	3824.6	3803.5	3817.6	3796.5
177.5°	3740.3	3796.5	3789.5	3740.3	3768.4	3726.2	3747.3	3761.4	3719.2	3754.3	3719.2
180°	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0



TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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°	14.1	14.1	14.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
95°	63.3	84.4	203.9	168.7	126.6	119.5	133.6	119.5	105.5	91.4	84.4
97.5°	506.2	569.5	597.6	527.3	520.3	478.1	428.9	323.4	295.3	260.1	203.9
100°	1385.0	1230.3	1153.0	1026.5	829.6	752.3	689.0	569.5	464.0	407.8	344.5
102.5°	2650.5	2362.3	1989.7	1595.9	1300.7	1188.2	1061.6	885.9	745.2	618.7	513.2
105°	4176.2	3627.8	2903.6	2376.3	1982.6	1736.6	1624.1	1342.8	1110.8	970.2	815.5
107.5°	4682.4	4330.8	3880.9	3332.5	2868.5	2643.5	2397.4	2024.8	1729.5	1469.4	1237.4
110°	4893.3	4591.0	4253.5	3930.1	3613.7	3409.8	3241.1	2861.4	2495.9	2172.4	1849.0
112.5°	4998.7	4696.4	4401.1	4141.0	3894.9	3782.4	3662.9	3360.6	3079.4	2770.0	2383.4
115°	5069.0	4830.0	4569.9	4295.7	4105.9	3986.3	3880.9	3606.7	3346.6	3065.3	2671.6
117.5°	5104.2	4865.2	4675.3	4450.4	4253.5	4155.1	4042.6	3796.5	3536.4	3276.2	2882.5
120°	5062.0	4900.3	4745.6	4555.8	4366.0	4267.6	4176.2	3930.1	3691.0	3445.0	3058.3
122.5°	5005.8	4914.4	4794.8	4605.0	4464.4	4380.0	4302.7	4056.6	3845.7	3564.5	3213.0
125°	4942.5	4851.1	4724.5	4605.0	4492.5	4429.3	4373.0	4155.1	3937.1	3698.1	3367.6
127.5°	4844.1	4759.7	4661.3	4562.8	4478.5	4415.2	4394.1	4204.3	4000.4	3789.5	3452.0
130°	4738.6	4668.3	4583.9	4485.5	4429.3	4359.0	4366.0	4197.3	4035.5	3838.7	3536.4
132.5°	4598.0	4548.8	4527.7	4422.2	4366.0	4330.8	4281.6	4169.1	4035.5	3880.9	3592.6
135°	4534.7	4485.5	4450.4	4359.0	4274.6	4260.5	4190.2	4126.9	4014.5	3902.0	3627.8
137.5°	4422.2	4394.1	4373.0	4274.6	4190.2	4190.2	4169.1	4084.8	3986.3	3831.7	3599.7
140°	4373.0	4337.9	4281.6	4204.3	4155.1	4112.9	4091.8	4021.5	3902.0	3782.4	3592.6
142.5°	4288.6	4260.5	4246.5	4176.2	4098.8	4056.6	4014.5	3937.1	3852.8	3768.4	3564.5
145°	4239.4	4232.4	4218.3	4148.0	4028.5	4007.4	3993.4	3909.0	3831.7	3698.1	3557.5
147.5°	4176.2	4183.2	4169.1	4084.8	4007.4	3958.2	3923.1	3845.7	3789.5	3677.0	3501.2
150°	4134.0	4141.0	4126.9	4021.5	3937.1	3916.0	3902.0	3824.6	3719.2	3627.8	3480.1
152.5°	4112.9	4091.8	4056.6	4014.5	3923.1	3873.8	3859.8	3775.4	3719.2	3606.7	3466.1
155°	4070.7	4042.6	4021.5	3951.2	3894.9	3845.7	3810.6	3761.4	3698.1	3585.6	3466.1
157.5°	4028.5	4000.4	3986.3	3972.3	3894.9	3824.6	3817.6	3761.4	3662.9	3578.6	3480.1
160°	3986.3	3916.0	3972.3	3887.9	3866.8	3810.6	3768.4	3733.2	3662.9	3585.6	3501.2
162.5°	3944.2	3923.1	3916.0	3866.8	3824.6	3789.5	3726.2	3747.3	3662.9	3592.6	3529.3
165°	3909.0	3887.9	3880.9	3866.8	3803.5	3775.4	3761.4	3719.2	3684.0	3613.7	3557.5
167.5°	3873.8	3838.7	3852.8	3838.7	3761.4	3782.4	3747.3	3719.2	3698.1	3641.8	3585.6
170°	3866.8	3796.5	3831.7	3824.6	3768.4	3761.4	3719.2	3712.1	3691.0	3648.9	3620.7
172.5°	3831.7	3782.4	3803.5	3782.4	3754.3	3733.2	3733.2	3740.3	3705.1	3677.0	3641.8
175°	3775.4	3747.3	3754.3	3775.4	3733.2	3719.2	3684.0	3712.1	3719.2	3670.0	3655.9
177.5°	3712.1	3740.3	3719.2	3747.3	3712.1	3705.1	3684.0	3705.1	3705.1	3662.9	3662.9
180°	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0



TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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	35.2	42.2	42.2	49.2	49.2	56.2	63.3	70.3
95°	42.2	35.2	42.2	49.2	49.2	56.2	63.3	63.3	70.3	77.3	77.3
97.5°	84.4	56.2	56.2	56.2	63.3	63.3	70.3	77.3	84.4	84.4	84.4
100°	161.7	91.4	91.4	70.3	70.3	77.3	77.3	84.4	91.4	91.4	91.4
102.5°	281.2	168.7	133.6	91.4	84.4	84.4	91.4	91.4	98.4	98.4	98.4
105°	527.3	337.5	189.8	112.5	105.5	98.4	98.4	98.4	105.5	105.5	105.5
107.5°	928.0	541.4	267.2	147.6	126.6	112.5	112.5	112.5	112.5	112.5	112.5
110°	1413.1	794.5	365.6	189.8	154.7	133.6	126.6	126.6	119.5	119.5	119.5
112.5°	1856.1	1040.5	464.0	232.0	182.8	154.7	140.6	133.6	133.6	126.6	119.5
115°	2137.3	1223.3	562.4	267.2	210.9	175.8	147.6	147.6	140.6	133.6	126.6
117.5°	2341.2	1413.1	682.0	323.4	246.1	203.9	161.7	154.7	147.6	147.6	140.6
120°	2538.0	1610.0	808.5	386.7	295.3	232.0	182.8	168.7	161.7	154.7	147.6
122.5°	2727.9	1799.8	949.1	464.0	344.5	274.2	203.9	182.8	175.8	161.7	161.7
125°	2875.5	1996.7	1110.8	562.4	414.8	323.4	232.0	196.9	182.8	175.8	168.7
127.5°	3037.2	2193.5	1279.6	667.9	492.1	386.7	267.2	217.9	203.9	189.8	182.8
130°	3156.7	2383.4	1462.4	808.5	604.6	464.0	316.4	246.1	217.9	203.9	196.9
132.5°	3248.1	2545.1	1645.2	963.2	738.2	562.4	379.7	295.3	246.1	225.0	210.9
135°	3276.2	2685.7	1835.0	1131.9	878.8	689.0	464.0	351.5	281.2	246.1	232.0
137.5°	3304.4	2798.2	2017.8	1321.7	1061.6	843.7	562.4	421.8	337.5	288.3	253.1
140°	3290.3	2882.5	2193.5	1532.7	1251.4	1012.4	696.0	513.2	407.8	344.5	295.3
142.5°	3283.3	2952.8	2376.3	1729.5	1448.3	1209.3	857.7	632.8	499.2	407.8	351.5
145°	3297.3	3002.1	2509.9	1940.4	1680.3	1434.2	1054.6	773.4	611.7	499.2	435.9
147.5°	3248.1	3030.2	2671.6	2123.2	1884.2	1645.2	1265.5	963.2	766.3	625.7	534.3
150°	3290.3	3044.2	2741.9	2306.0	2081.0	1863.1	1497.5	1181.1	956.2	787.4	674.9
152.5°	3283.3	3058.3	2819.3	2467.7	2277.9	2074.0	1708.4	1399.1	1160.0	984.3	850.7
155°	3318.4	3065.3	2896.6	2629.4	2460.7	2277.9	1947.5	1652.2	1399.1	1223.3	1068.6
157.5°	3346.6	3156.7	2988.0	2777.1	2629.4	2474.8	2193.5	1919.3	1680.3	1497.5	1307.7
160°	3388.7	3205.9	3058.3	2896.6	2798.2	2636.5	2432.6	2214.6	1982.6	1785.8	1631.1
162.5°	3409.8	3283.3	3156.7	2995.0	2931.7	2819.3	2650.5	2488.8	2292.0	2109.2	1961.5
165°	3452.0	3325.5	3241.1	3107.5	3044.2	2945.8	2840.4	2692.7	2573.2	2418.5	2306.0
167.5°	3494.2	3409.8	3339.5	3234.1	3177.8	3107.5	3016.1	2917.7	2854.4	2734.9	2622.4
170°	3536.4	3466.1	3430.9	3381.7	3297.3	3241.1	3198.9	3128.6	3044.2	2988.0	2924.7
172.5°	3571.5	3543.4	3522.3	3508.3	3423.9	3381.7	3353.6	3276.2	3276.2	3198.9	3149.7
175°	3627.8	3536.4	3599.7	3564.5	3536.4	3501.2	3487.2	3466.1	3445.0	3416.9	3388.7
177.5°	3655.9	3641.8	3655.9	3641.8	3634.8	3599.7	3620.7	3599.7	3592.6	3585.6	3564.5
180°	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0



TEST NUMBER: P508368

CATALOG NUMBER: ASYX-X-L4-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°	77.3	77.3	84.4	84.4	84.4	84.4	91.4	84.4	77.3
95°	84.4	91.4	91.4	91.4	98.4	98.4	98.4	98.4	98.4
97.5°	91.4	91.4	98.4	98.4	98.4	105.5	105.5	105.5	105.5
100°	98.4	98.4	98.4	105.5	105.5	105.5	105.5	105.5	105.5
102.5°	98.4	98.4	98.4	105.5	105.5	105.5	105.5	105.5	105.5
105°	105.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
107.5°	105.5	105.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4
110°	112.5	105.5	98.4	98.4	98.4	98.4	98.4	98.4	91.4
112.5°	119.5	112.5	105.5	98.4	98.4	98.4	98.4	91.4	91.4
115°	126.6	119.5	112.5	112.5	105.5	105.5	105.5	98.4	98.4
117.5°	133.6	126.6	119.5	119.5	112.5	112.5	105.5	105.5	105.5
120°	140.6	140.6	133.6	126.6	126.6	119.5	119.5	112.5	112.5
122.5°	154.7	140.6	140.6	140.6	140.6	133.6	126.6	126.6	126.6
125°	161.7	154.7	154.7	154.7	147.6	147.6	140.6	133.6	133.6
127.5°	175.8	168.7	168.7	161.7	161.7	154.7	154.7	147.6	147.6
130°	189.8	182.8	175.8	175.8	175.8	168.7	168.7	161.7	161.7
132.5°	203.9	196.9	196.9	189.8	189.8	182.8	182.8	175.8	175.8
135°	225.0	210.9	210.9	210.9	203.9	196.9	196.9	196.9	189.8
137.5°	239.0	232.0	225.0	217.9	217.9	217.9	210.9	210.9	210.9
140°	274.2	253.1	246.1	239.0	239.0	232.0	232.0	232.0	232.0
142.5°	316.4	295.3	274.2	267.2	260.1	253.1	253.1	246.1	246.1
145°	386.7	351.5	323.4	316.4	302.3	288.3	288.3	281.2	281.2
147.5°	471.0	428.9	393.7	379.7	372.6	358.6	344.5	337.5	330.4
150°	590.6	527.3	492.1	478.1	464.0	435.9	421.8	414.8	414.8
152.5°	745.2	674.9	618.7	590.6	576.5	548.4	527.3	520.3	527.3
155°	935.1	850.7	794.5	759.3	731.2	696.0	682.0	674.9	660.9
157.5°	1202.2	1089.7	1005.4	977.2	942.1	906.9	885.9	864.8	850.7
160°	1490.5	1363.9	1286.6	1251.4	1209.3	1153.0	1124.9	1096.8	1082.7
162.5°	1806.9	1701.4	1610.0	1553.8	1532.7	1462.4	1434.2	1399.1	1406.1
165°	2158.4	2045.9	1975.6	1933.4	1877.2	1842.0	1820.9	1771.7	1750.6
167.5°	2531.0	2404.5	2369.3	2313.1	2263.8	2214.6	2214.6	2193.5	2172.4
170°	2812.2	2784.1	2741.9	2678.6	2671.6	2636.5	2636.5	2615.4	2622.4
172.5°	3079.4	3037.2	3037.2	3016.1	2995.0	2981.0	2945.8	2959.9	2959.9
175°	3346.6	3325.5	3311.4	3255.2	3269.2	3269.2	3248.1	3248.1	3262.2
177.5°	3564.5	3564.5	3550.4	3543.4	3536.4	3543.4	3550.4	3557.5	3543.4
180°	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0	3670.0

(END OF REPORT)