

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: P508354

Luminaire Tested: **ASYX-X-L3-X-U-HSS-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508354  
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-L3-X-U-HSS-L40-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(3) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

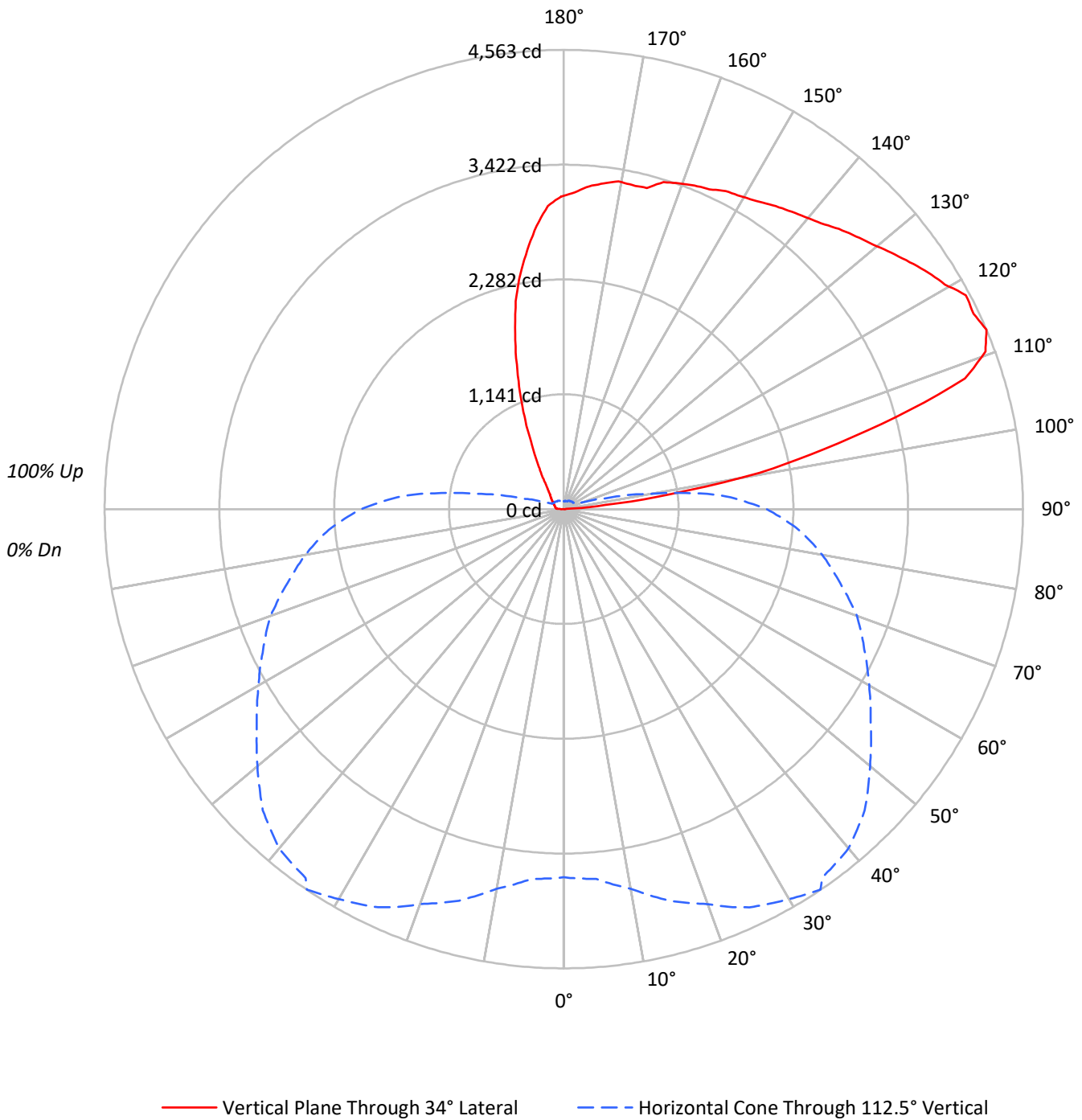
Lumens per Lamp: N/A  
Luminaire Lumens: 10694.8 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Indirect

Input Watts (W): 165.2  
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: P508354  
CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508354

CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-UNV-X-X-X-STD

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

RF	20									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	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°	729	8818	10288
100°	29871	18069	5529
105°	91545	28700	3464
110°	105033	49240	2433
115°	95761	57579	2122
120°	81965	55712	2049
125°	68884	53476	2121
130°	62163	50110	2291
135°	55061	46728	2445
140°	50908	42716	2758
145°	46592	39555	3127
150°	44143	36601	4363
155°	41475	34833	6641
160°	39592	33937	10495
165°	37921	33545	16507
170°	36608	33487	24254
175°	35162	33425	29826



TEST NUMBER: P508354

CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-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°	208.0	1.9
100°-110°	1303.4	12.2
110°-120°	2014.7	18.8
120°-130°	1944.4	18.2
130°-140°	1688.7	15.8
140°-150°	1391.9	13.0
150°-160°	1096.8	10.3
160°-170°	760.9	7.1
170°-180°	286.0	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°	3526.2	33.0
90°-150°	8551.1	80.0
90°-180°	10695.0	100.0
0°-180°	10694.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	6	54	71	65	83	101
105°	2201	3534	690	89	83	2160
115°	3760	4289	2261	113	83	3657
125°	3671	4182	2850	149	113	3357
135°	3617	3837	3070	208	161	2813
145°	3546	3587	3010	422	238	2248
155°	3492	3444	2933	1035	559	1609
165°	3403	3308	3010	2046	1481	967
175°	3254	3195	3094	2891	2760	312
180°	3105	3105	3105	3105	3105	



TEST NUMBER: P508354

CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-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	5.9	5.9	17.8	11.9	11.9	17.8	23.8	29.7	11.9
95°	5.9	5.9	11.9	154.7	464.0	511.6	487.8	470.0	410.5	356.9	89.2
97.5°	124.9	148.7	238.0	636.6	1291.0	1487.3	1582.5	1296.9	1064.9	987.6	529.5
100°	481.9	559.2	773.4	1463.5	2183.3	2230.9	2213.1	2153.6	1981.1	1868.0	1433.7
102.5°	1285.0	1338.5	1636.0	2248.8	2641.4	2724.7	2724.7	2671.1	2653.3	2617.6	2480.8
105°	2201.2	2260.7	2498.6	2813.9	3051.9	3141.1	3188.7	3307.7	3426.7	3444.5	3575.4
107.5°	2813.9	2873.4	3057.8	3295.8	3605.2	3718.2	3855.0	4045.4	4194.1	4176.3	4146.5
110°	3337.4	3402.9	3575.4	3813.4	4039.4	4176.3	4307.2	4390.4	4473.7	4390.4	4348.8
112.5°	3658.7	3688.4	3831.2	4027.5	4176.3	4277.4	4366.6	4473.7	4563.0	4473.7	4402.3
115°	3759.8	3777.7	3902.6	4039.4	4200.1	4295.3	4360.7	4473.7	4509.4	4491.6	4432.1
117.5°	3753.9	3831.2	3938.3	4033.5	4188.2	4265.5	4330.9	4420.2	4527.3	4479.7	4420.2
120°	3807.4	3813.4	3926.4	4039.4	4152.5	4217.9	4217.9	4348.8	4396.4	4384.5	4372.6
122.5°	3789.6	3807.4	3902.6	3974.0	4093.0	4146.5	4200.1	4265.5	4319.0	4301.2	4301.2
125°	3670.6	3783.6	3837.2	3920.5	4033.5	4069.2	4122.7	4176.3	4223.9	4206.0	4200.1
127.5°	3742.0	3747.9	3795.5	3884.8	3956.2	3979.9	4039.4	4087.0	4134.6	4128.7	4140.6
130°	3712.2	3694.4	3807.4	3843.1	3896.7	3938.3	3968.1	4009.7	4045.4	4045.4	4057.3
132.5°	3688.4	3688.4	3724.1	3795.5	3843.1	3872.9	3920.5	3932.4	3974.0	3985.9	3962.1
135°	3617.1	3664.6	3718.2	3742.0	3795.5	3819.3	3843.1	3866.9	3902.6	3914.5	3872.9
137.5°	3545.7	3617.1	3688.4	3724.1	3765.8	3765.8	3765.8	3801.5	3819.3	3837.2	3795.5
140°	3623.0	3617.1	3682.5	3676.5	3700.3	3694.4	3736.0	3742.0	3765.8	3753.9	3730.1
142.5°	3605.2	3605.2	3623.0	3646.8	3640.9	3652.7	3682.5	3712.2	3712.2	3724.1	3682.5
145°	3545.7	3563.5	3593.3	3617.1	3617.1	3611.1	3646.8	3652.7	3664.6	3658.7	3634.9
147.5°	3569.5	3569.5	3569.5	3599.2	3599.2	3599.2	3605.2	3611.1	3611.1	3617.1	3599.2
150°	3551.6	3557.6	3569.5	3557.6	3587.3	3539.7	3569.5	3569.5	3569.5	3575.4	3563.5
152.5°	3432.6	3515.9	3545.7	3539.7	3515.9	3527.8	3533.8	3557.6	3545.7	3557.6	3521.9
155°	3492.1	3486.2	3492.1	3498.1	3480.2	3492.1	3498.1	3498.1	3492.1	3498.1	3468.3
157.5°	3474.3	3468.3	3498.1	3462.4	3480.2	3492.1	3468.3	3486.2	3468.3	3492.1	3480.2
160°	3456.4	3444.5	3468.3	3444.5	3468.3	3438.6	3420.7	3450.5	3432.6	3474.3	3414.8
162.5°	3432.6	3426.7	3450.5	3420.7	3396.9	3385.0	3402.9	3408.8	3396.9	3408.8	3379.1
165°	3402.9	3402.9	3402.9	3373.1	3391.0	3391.0	3367.2	3373.1	3295.8	3379.1	3343.4
167.5°	3379.1	3402.9	3373.1	3343.4	3379.1	3379.1	3337.4	3343.4	3289.9	3331.5	3313.7
170°	3349.3	3325.5	3331.5	3331.5	3361.2	3307.7	3278.0	3331.5	3301.8	3331.5	3301.8
172.5°	3278.0	3301.8	3301.8	3289.9	3272.0	3272.0	3266.1	3278.0	3260.1	3266.1	3248.2
175°	3254.2	3254.2	3266.1	3283.9	3248.2	3242.3	3206.6	3236.3	3218.5	3230.4	3212.5
177.5°	3164.9	3212.5	3206.6	3164.9	3188.7	3153.0	3170.9	3182.8	3147.1	3176.8	3147.1
180°	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4



TEST NUMBER: P508354

CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-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°	11.9	11.9	11.9	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
95°	53.5	71.4	172.5	142.8	107.1	101.1	113.0	101.1	89.2	77.3	71.4
97.5°	428.3	481.9	505.7	446.2	440.2	404.5	362.9	273.7	249.9	220.1	172.5
100°	1172.0	1041.1	975.7	868.6	702.0	636.6	583.0	481.9	392.6	345.0	291.5
102.5°	2242.8	1998.9	1683.6	1350.4	1100.6	1005.4	898.3	749.6	630.6	523.5	434.3
105°	3533.8	3069.7	2457.0	2010.8	1677.6	1469.4	1374.2	1136.3	940.0	821.0	690.1
107.5°	3962.1	3664.6	3283.9	2819.9	2427.2	2236.9	2028.6	1713.3	1463.5	1243.4	1047.0
110°	4140.6	3884.8	3599.2	3325.5	3057.8	2885.3	2742.5	2421.3	2111.9	1838.3	1564.6
112.5°	4229.8	3974.0	3724.1	3504.0	3295.8	3200.6	3099.5	2843.7	2605.7	2343.9	2016.7
115°	4289.3	4087.0	3866.9	3634.9	3474.3	3373.1	3283.9	3051.9	2831.8	2593.8	2260.7
117.5°	4319.0	4116.8	3956.2	3765.8	3599.2	3515.9	3420.7	3212.5	2992.4	2772.3	2439.1
120°	4283.4	4146.5	4015.6	3855.0	3694.4	3611.1	3533.8	3325.5	3123.3	2915.1	2587.9
122.5°	4235.8	4158.4	4057.3	3896.7	3777.7	3706.3	3640.9	3432.6	3254.2	3016.2	2718.7
125°	4182.2	4104.9	3997.8	3896.7	3801.5	3747.9	3700.3	3515.9	3331.5	3129.2	2849.6
127.5°	4098.9	4027.5	3944.3	3861.0	3789.6	3736.0	3718.2	3557.6	3385.0	3206.6	2921.0
130°	4009.7	3950.2	3878.8	3795.5	3747.9	3688.4	3694.4	3551.6	3414.8	3248.2	2992.4
132.5°	3890.7	3849.1	3831.2	3742.0	3694.4	3664.6	3623.0	3527.8	3414.8	3283.9	3040.0
135°	3837.2	3795.5	3765.8	3688.4	3617.1	3605.2	3545.7	3492.1	3396.9	3301.8	3069.7
137.5°	3742.0	3718.2	3700.3	3617.1	3545.7	3545.7	3527.8	3456.4	3373.1	3242.3	3045.9
140°	3700.3	3670.6	3623.0	3557.6	3515.9	3480.2	3462.4	3402.9	3301.8	3200.6	3040.0
142.5°	3629.0	3605.2	3593.3	3533.8	3468.3	3432.6	3396.9	3331.5	3260.1	3188.7	3016.2
145°	3587.3	3581.4	3569.5	3510.0	3408.8	3391.0	3379.1	3307.7	3242.3	3129.2	3010.2
147.5°	3533.8	3539.7	3527.8	3456.4	3391.0	3349.3	3319.6	3254.2	3206.6	3111.4	2962.7
150°	3498.1	3504.0	3492.1	3402.9	3331.5	3313.7	3301.8	3236.3	3147.1	3069.7	2944.8
152.5°	3480.2	3462.4	3432.6	3396.9	3319.6	3278.0	3266.1	3194.7	3147.1	3051.9	2932.9
155°	3444.5	3420.7	3402.9	3343.4	3295.8	3254.2	3224.4	3182.8	3129.2	3034.0	2932.9
157.5°	3408.8	3385.0	3373.1	3361.2	3295.8	3236.3	3230.4	3182.8	3099.5	3028.1	2944.8
160°	3373.1	3313.7	3361.2	3289.9	3272.0	3224.4	3188.7	3159.0	3099.5	3034.0	2962.7
162.5°	3337.4	3319.6	3313.7	3272.0	3236.3	3206.6	3153.0	3170.9	3099.5	3040.0	2986.4
165°	3307.7	3289.9	3283.9	3272.0	3218.5	3194.7	3182.8	3147.1	3117.3	3057.8	3010.2
167.5°	3278.0	3248.2	3260.1	3248.2	3182.8	3200.6	3170.9	3147.1	3129.2	3081.6	3034.0
170°	3272.0	3212.5	3242.3	3236.3	3188.7	3182.8	3147.1	3141.1	3123.3	3087.6	3063.8
172.5°	3242.3	3200.6	3218.5	3200.6	3176.8	3159.0	3159.0	3164.9	3135.2	3111.4	3081.6
175°	3194.7	3170.9	3176.8	3194.7	3159.0	3147.1	3117.3	3141.1	3147.1	3105.4	3093.5
177.5°	3141.1	3164.9	3147.1	3170.9	3141.1	3135.2	3117.3	3135.2	3135.2	3099.5	3099.5
180°	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4



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CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-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°	17.8	23.8	23.8	29.7	35.7	35.7	41.6	41.6	47.6	53.5	59.5
95°	35.7	29.7	35.7	41.6	41.6	47.6	53.5	53.5	59.5	65.4	65.4
97.5°	71.4	47.6	47.6	47.6	53.5	53.5	59.5	65.4	71.4	71.4	71.4
100°	136.8	77.3	77.3	59.5	59.5	65.4	65.4	71.4	77.3	77.3	77.3
102.5°	238.0	142.8	113.0	77.3	71.4	71.4	77.3	77.3	83.3	83.3	83.3
105°	446.2	285.6	160.6	95.2	89.2	83.3	83.3	83.3	89.2	89.2	89.2
107.5°	785.3	458.1	226.1	124.9	107.1	95.2	95.2	95.2	95.2	95.2	95.2
110°	1195.8	672.2	309.4	160.6	130.9	113.0	107.1	107.1	101.1	101.1	101.1
112.5°	1570.6	880.5	392.6	196.3	154.7	130.9	119.0	113.0	113.0	107.1	101.1
115°	1808.5	1035.1	475.9	226.1	178.5	148.7	124.9	124.9	119.0	113.0	107.1
117.5°	1981.1	1195.8	577.1	273.7	208.2	172.5	136.8	130.9	124.9	124.9	119.0
120°	2147.6	1362.3	684.1	327.2	249.9	196.3	154.7	142.8	136.8	130.9	124.9
122.5°	2308.3	1523.0	803.1	392.6	291.5	232.0	172.5	154.7	148.7	136.8	136.8
125°	2433.2	1689.5	940.0	475.9	351.0	273.7	196.3	166.6	154.7	148.7	142.8
127.5°	2570.0	1856.1	1082.7	565.2	416.4	327.2	226.1	184.4	172.5	160.6	154.7
130°	2671.1	2016.7	1237.4	684.1	511.6	392.6	267.7	208.2	184.4	172.5	166.6
132.5°	2748.5	2153.6	1392.1	815.0	624.7	475.9	321.3	249.9	208.2	190.4	178.5
135°	2772.3	2272.6	1552.7	957.8	743.6	583.0	392.6	297.5	238.0	208.2	196.3
137.5°	2796.1	2367.7	1707.4	1118.4	898.3	713.9	475.9	356.9	285.6	243.9	214.2
140°	2784.2	2439.1	1856.1	1296.9	1058.9	856.7	589.0	434.3	345.0	291.5	249.9
142.5°	2778.2	2498.6	2010.8	1463.5	1225.5	1023.2	725.8	535.4	422.4	345.0	297.5
145°	2790.1	2540.3	2123.8	1642.0	1421.8	1213.6	892.4	654.4	517.6	422.4	368.8
147.5°	2748.5	2564.1	2260.7	1796.6	1594.4	1392.1	1070.8	815.0	648.5	529.5	452.1
150°	2784.2	2576.0	2320.2	1951.3	1760.9	1576.5	1267.2	999.4	809.1	666.3	571.1
152.5°	2778.2	2587.9	2385.6	2088.1	1927.5	1755.0	1445.6	1183.9	981.6	832.9	719.8
155°	2808.0	2593.8	2451.0	2225.0	2082.2	1927.5	1647.9	1398.0	1183.9	1035.1	904.3
157.5°	2831.8	2671.1	2528.4	2349.9	2225.0	2094.1	1856.1	1624.1	1421.8	1267.2	1106.5
160°	2867.5	2712.8	2587.9	2451.0	2367.7	2230.9	2058.4	1874.0	1677.6	1511.1	1380.2
162.5°	2885.3	2778.2	2671.1	2534.3	2480.8	2385.6	2242.8	2106.0	1939.4	1784.7	1659.8
165°	2921.0	2813.9	2742.5	2629.5	2576.0	2492.7	2403.4	2278.5	2177.4	2046.5	1951.3
167.5°	2956.7	2885.3	2825.8	2736.6	2689.0	2629.5	2552.2	2468.9	2415.3	2314.2	2219.0
170°	2992.4	2932.9	2903.2	2861.5	2790.1	2742.5	2706.8	2647.4	2576.0	2528.4	2474.8
172.5°	3022.1	2998.3	2980.5	2968.6	2897.2	2861.5	2837.7	2772.3	2772.3	2706.8	2665.2
175°	3069.7	2992.4	3045.9	3016.2	2992.4	2962.7	2950.8	2932.9	2915.1	2891.3	2867.5
177.5°	3093.5	3081.6	3093.5	3081.6	3075.7	3045.9	3063.8	3045.9	3040.0	3034.0	3016.2
180°	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4





TEST NUMBER: P508354

CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L40-1-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°	65.4	65.4	71.4	71.4	71.4	71.4	77.3	71.4	65.4
95°	71.4	77.3	77.3	77.3	83.3	83.3	83.3	83.3	83.3
97.5°	77.3	77.3	83.3	83.3	83.3	89.2	89.2	89.2	89.2
100°	83.3	83.3	83.3	89.2	89.2	89.2	89.2	89.2	89.2
102.5°	83.3	83.3	83.3	89.2	89.2	89.2	89.2	89.2	89.2
105°	89.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
107.5°	89.2	89.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
110°	95.2	89.2	83.3	83.3	83.3	83.3	83.3	83.3	77.3
112.5°	101.1	95.2	89.2	83.3	83.3	83.3	83.3	77.3	77.3
115°	107.1	101.1	95.2	95.2	89.2	89.2	89.2	83.3	83.3
117.5°	113.0	107.1	101.1	101.1	95.2	95.2	89.2	89.2	89.2
120°	119.0	119.0	113.0	107.1	107.1	101.1	101.1	95.2	95.2
122.5°	130.9	119.0	119.0	119.0	119.0	113.0	107.1	107.1	107.1
125°	136.8	130.9	130.9	130.9	124.9	124.9	119.0	113.0	113.0
127.5°	148.7	142.8	142.8	136.8	136.8	130.9	130.9	124.9	124.9
130°	160.6	154.7	148.7	148.7	148.7	142.8	142.8	136.8	136.8
132.5°	172.5	166.6	166.6	160.6	160.6	154.7	154.7	148.7	148.7
135°	190.4	178.5	178.5	178.5	172.5	166.6	166.6	166.6	160.6
137.5°	202.3	196.3	190.4	184.4	184.4	184.4	178.5	178.5	178.5
140°	232.0	214.2	208.2	202.3	202.3	196.3	196.3	196.3	196.3
142.5°	267.7	249.9	232.0	226.1	220.1	214.2	214.2	208.2	208.2
145°	327.2	297.5	273.7	267.7	255.8	243.9	243.9	238.0	238.0
147.5°	398.6	362.9	333.1	321.3	315.3	303.4	291.5	285.6	279.6
150°	499.7	446.2	416.4	404.5	392.6	368.8	356.9	351.0	351.0
152.5°	630.6	571.1	523.5	499.7	487.8	464.0	446.2	440.2	446.2
155°	791.2	719.8	672.2	642.5	618.7	589.0	577.1	571.1	559.2
157.5°	1017.3	922.1	850.7	826.9	797.2	767.4	749.6	731.7	719.8
160°	1261.2	1154.1	1088.7	1058.9	1023.2	975.7	951.9	928.1	916.2
162.5°	1528.9	1439.7	1362.3	1314.8	1296.9	1237.4	1213.6	1183.9	1189.8
165°	1826.4	1731.2	1671.7	1636.0	1588.4	1558.7	1540.8	1499.2	1481.3
167.5°	2141.7	2034.6	2004.8	1957.3	1915.6	1874.0	1874.0	1856.1	1838.3
170°	2379.6	2355.8	2320.2	2266.6	2260.7	2230.9	2230.9	2213.1	2219.0
172.5°	2605.7	2570.0	2570.0	2552.2	2534.3	2522.4	2492.7	2504.6	2504.6
175°	2831.8	2813.9	2802.0	2754.4	2766.3	2766.3	2748.5	2748.5	2760.4
177.5°	3016.2	3016.2	3004.3	2998.3	2992.4	2998.3	3004.3	3010.2	2998.3
180°	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4	3105.4

(END OF REPORT)