

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: P508352

Luminaire Tested: **ASYX-X-L3-X-U-HSS-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508352
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-L30-1-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

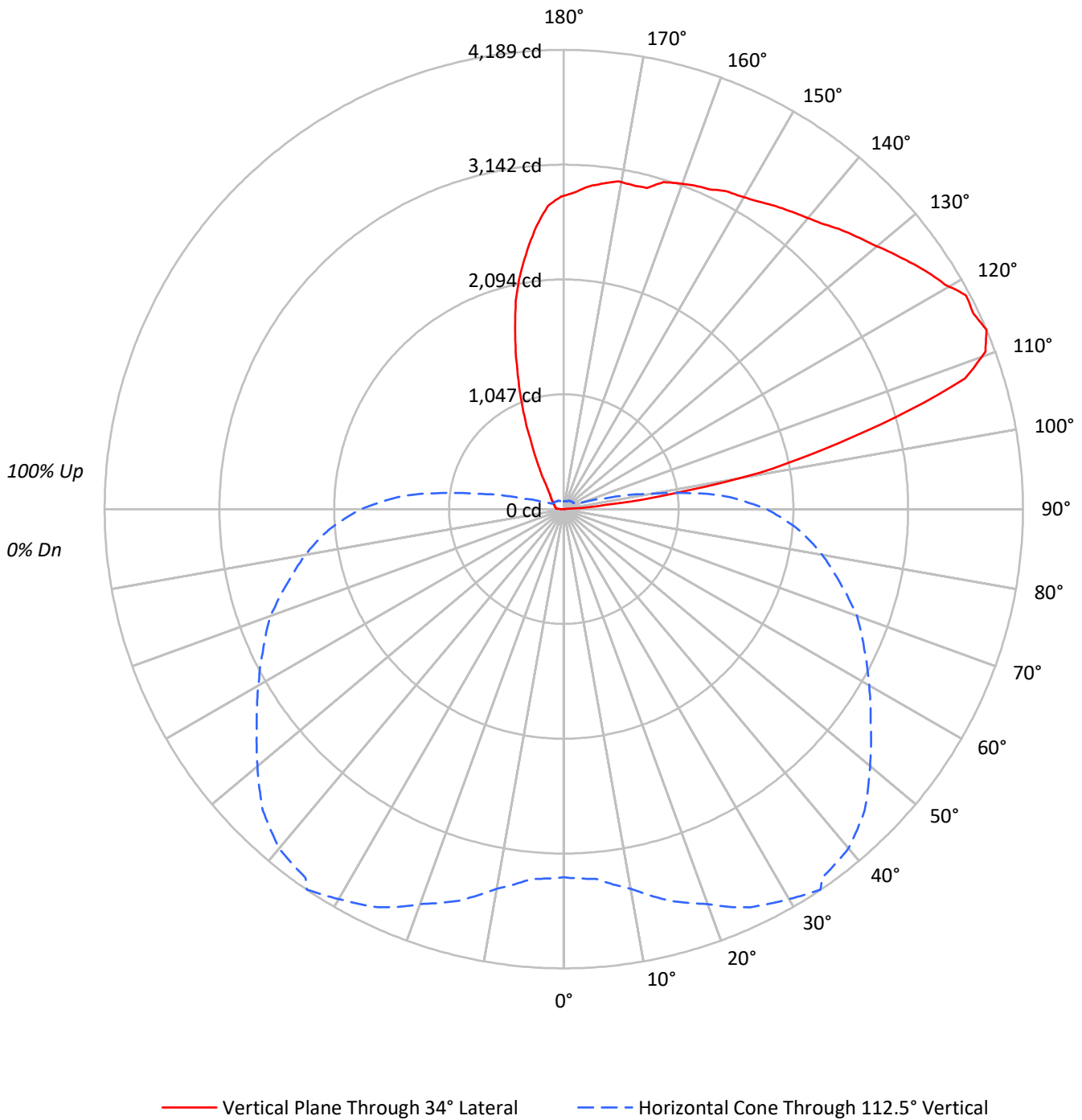
Lumens per Lamp: N/A
Luminaire Lumens: 9818.2 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508352
CATALOG NUMBER: ASYX-X-L3-X-U-HSS-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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°	679	8089	9448
100°	27423	16588	5077
105°	84038	26346	3182
110°	96426	45206	2234
115°	87911	52860	1948
120°	75246	51144	1882
125°	63237	49093	1948
130°	57069	46002	2103
135°	50548	42898	2245
140°	46735	39214	2532
145°	42772	36313	2871
150°	40525	33601	4005
155°	38075	31978	6097
160°	36347	31155	9635
165°	34813	30795	15154
170°	33607	30743	22265
175°	32279	30686	27381



TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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°	191.0	1.9
100°-110°	1196.6	12.2
110°-120°	1849.6	18.8
120°-130°	1785.0	18.2
130°-140°	1550.3	15.8
140°-150°	1277.8	13.0
150°-160°	1006.9	10.3
160°-170°	698.5	7.1
170°-180°	262.5	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°	3237.2	33.0
90°-150°	7850.3	80.0
90°-180°	9818.0	100.0
0°-180°	9818.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	6	49	66	60	76	93
105°	2021	3244	634	82	76	1983
115°	3452	3938	2075	104	76	3357
125°	3370	3839	2616	136	104	3082
135°	3321	3523	2818	191	148	2582
145°	3255	3293	2764	388	218	2064
155°	3206	3162	2692	950	513	1477
165°	3124	3037	2764	1879	1360	887
175°	2987	2933	2840	2654	2534	286
180°	2851	2851	2851	2851	2851	



TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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	5.5	5.5	16.4	10.9	10.9	16.4	21.8	27.3	10.9
95°	5.5	5.5	10.9	142.0	426.0	469.7	447.8	431.5	376.8	327.7	81.9
97.5°	114.7	136.5	218.5	584.4	1185.1	1365.4	1452.8	1190.6	977.6	906.6	486.1
100°	442.4	513.4	710.0	1343.5	2004.4	2048.1	2031.7	1977.1	1818.7	1714.9	1316.2
102.5°	1179.7	1228.8	1501.9	2064.4	2424.9	2501.4	2501.4	2452.2	2435.8	2403.0	2277.4
105°	2020.7	2075.4	2293.8	2583.3	2801.7	2883.7	2927.3	3036.6	3145.8	3162.2	3282.3
107.5°	2583.3	2637.9	2807.2	3025.7	3309.7	3413.4	3539.0	3713.8	3850.3	3834.0	3806.6
110°	3063.9	3124.0	3282.3	3500.8	3708.3	3834.0	3954.1	4030.6	4107.0	4030.6	3992.3
112.5°	3358.8	3386.1	3517.2	3697.4	3834.0	3926.8	4008.7	4107.0	4188.9	4107.0	4041.5
115°	3451.6	3468.0	3582.7	3708.3	3855.8	3943.2	4003.3	4107.0	4139.8	4123.4	4068.8
117.5°	3446.2	3517.2	3615.5	3702.9	3844.9	3915.9	3976.0	4057.9	4156.2	4112.5	4057.9
120°	3495.3	3500.8	3604.6	3708.3	3812.1	3872.2	3872.2	3992.3	4036.0	4025.1	4014.2
122.5°	3479.0	3495.3	3582.7	3648.3	3757.5	3806.6	3855.8	3915.9	3965.0	3948.6	3948.6
125°	3369.7	3473.5	3522.6	3599.1	3702.9	3735.6	3784.8	3834.0	3877.6	3861.3	3855.8
127.5°	3435.3	3440.7	3484.4	3566.3	3631.9	3653.7	3708.3	3752.0	3795.7	3790.3	3801.2
130°	3408.0	3391.6	3495.3	3528.1	3577.3	3615.5	3642.8	3681.0	3713.8	3713.8	3724.7
132.5°	3386.1	3386.1	3418.9	3484.4	3528.1	3555.4	3599.1	3610.0	3648.3	3659.2	3637.3
135°	3320.6	3364.3	3413.4	3435.3	3484.4	3506.3	3528.1	3550.0	3582.7	3593.6	3555.4
137.5°	3255.0	3320.6	3386.1	3418.9	3457.1	3457.1	3457.1	3489.9	3506.3	3522.6	3484.4
140°	3326.0	3320.6	3380.7	3375.2	3397.0	3391.6	3429.8	3435.3	3457.1	3446.2	3424.3
142.5°	3309.7	3309.7	3326.0	3347.9	3342.4	3353.3	3380.7	3408.0	3408.0	3418.9	3380.7
145°	3255.0	3271.4	3298.7	3320.6	3320.6	3315.1	3347.9	3353.3	3364.3	3358.8	3337.0
147.5°	3276.9	3276.9	3276.9	3304.2	3304.2	3304.2	3309.7	3315.1	3315.1	3320.6	3304.2
150°	3260.5	3266.0	3276.9	3266.0	3293.3	3249.6	3276.9	3276.9	3276.9	3282.3	3271.4
152.5°	3151.3	3227.7	3255.0	3249.6	3227.7	3238.7	3244.1	3266.0	3255.0	3266.0	3233.2
155°	3205.9	3200.4	3205.9	3211.3	3195.0	3205.9	3211.3	3211.3	3205.9	3211.3	3184.0
157.5°	3189.5	3184.0	3211.3	3178.6	3195.0	3205.9	3184.0	3200.4	3184.0	3205.9	3195.0
160°	3173.1	3162.2	3184.0	3162.2	3184.0	3156.7	3140.3	3167.7	3151.3	3189.5	3134.9
162.5°	3151.3	3145.8	3167.7	3140.3	3118.5	3107.6	3124.0	3129.4	3118.5	3129.4	3102.1
165°	3124.0	3124.0	3124.0	3096.7	3113.0	3113.0	3091.2	3096.7	3025.7	3102.1	3069.3
167.5°	3102.1	3124.0	3096.7	3069.3	3102.1	3102.1	3063.9	3069.3	3020.2	3058.4	3042.0
170°	3074.8	3053.0	3058.4	3058.4	3085.7	3036.6	3009.3	3058.4	3031.1	3058.4	3031.1
172.5°	3009.3	3031.1	3031.1	3020.2	3003.8	3003.8	2998.3	3009.3	2992.9	2998.3	2982.0
175°	2987.4	2987.4	2998.3	3014.7	2982.0	2976.5	2943.7	2971.0	2954.7	2965.6	2949.2
177.5°	2905.5	2949.2	2943.7	2905.5	2927.3	2894.6	2911.0	2921.9	2889.1	2916.4	2889.1
180°	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9



TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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°	10.9	10.9	10.9	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
95°	49.2	65.5	158.4	131.1	98.3	92.8	103.8	92.8	81.9	71.0	65.5
97.5°	393.2	442.4	464.2	409.6	404.1	371.4	333.1	251.2	229.4	202.1	158.4
100°	1075.9	955.8	895.7	797.4	644.5	584.4	535.2	442.4	360.5	316.8	267.6
102.5°	2059.0	1835.1	1545.6	1239.8	1010.4	923.0	824.7	688.1	578.9	480.6	398.7
105°	3244.1	2818.1	2255.6	1846.0	1540.1	1349.0	1261.6	1043.1	862.9	753.7	633.5
107.5°	3637.3	3364.3	3014.7	2588.7	2228.3	2053.5	1862.4	1572.9	1343.5	1141.4	961.2
110°	3801.2	3566.3	3304.2	3053.0	2807.2	2648.8	2517.7	2222.8	1938.8	1687.6	1436.4
112.5°	3883.1	3648.3	3418.9	3216.8	3025.7	2938.3	2845.4	2610.6	2392.1	2151.8	1851.4
115°	3937.7	3752.0	3550.0	3337.0	3189.5	3096.7	3014.7	2801.7	2599.7	2381.2	2075.4
117.5°	3965.0	3779.3	3631.9	3457.1	3304.2	3227.7	3140.3	2949.2	2747.1	2545.0	2239.2
120°	3932.3	3806.6	3686.5	3539.0	3391.6	3315.1	3244.1	3053.0	2867.3	2676.1	2375.7
122.5°	3888.6	3817.6	3724.7	3577.3	3468.0	3402.5	3342.4	3151.3	2987.4	2769.0	2495.9
125°	3839.4	3768.4	3670.1	3577.3	3489.9	3440.7	3397.0	3227.7	3058.4	2872.7	2616.0
127.5°	3763.0	3697.4	3621.0	3544.5	3479.0	3429.8	3413.4	3266.0	3107.6	2943.7	2681.6
130°	3681.0	3626.4	3560.9	3484.4	3440.7	3386.1	3391.6	3260.5	3134.9	2982.0	2747.1
132.5°	3571.8	3533.6	3517.2	3435.3	3391.6	3364.3	3326.0	3238.7	3134.9	3014.7	2790.8
135°	3522.6	3484.4	3457.1	3386.1	3320.6	3309.7	3255.0	3205.9	3118.5	3031.1	2818.1
137.5°	3435.3	3413.4	3397.0	3320.6	3255.0	3255.0	3238.7	3173.1	3096.7	2976.5	2796.3
140°	3397.0	3369.7	3326.0	3266.0	3227.7	3195.0	3178.6	3124.0	3031.1	2938.3	2790.8
142.5°	3331.5	3309.7	3298.7	3244.1	3184.0	3151.3	3118.5	3058.4	2992.9	2927.3	2769.0
145°	3293.3	3287.8	3276.9	3222.3	3129.4	3113.0	3102.1	3036.6	2976.5	2872.7	2763.5
147.5°	3244.1	3249.6	3238.7	3173.1	3113.0	3074.8	3047.5	2987.4	2943.7	2856.3	2719.8
150°	3211.3	3216.8	3205.9	3124.0	3058.4	3042.0	3031.1	2971.0	2889.1	2818.1	2703.4
152.5°	3195.0	3178.6	3151.3	3118.5	3047.5	3009.3	2998.3	2932.8	2889.1	2801.7	2692.5
155°	3162.2	3140.3	3124.0	3069.3	3025.7	2987.4	2960.1	2921.9	2872.7	2785.4	2692.5
157.5°	3129.4	3107.6	3096.7	3085.7	3025.7	2971.0	2965.6	2921.9	2845.4	2779.9	2703.4
160°	3096.7	3042.0	3085.7	3020.2	3003.8	2960.1	2927.3	2900.0	2845.4	2785.4	2719.8
162.5°	3063.9	3047.5	3042.0	3003.8	2971.0	2943.7	2894.6	2911.0	2845.4	2790.8	2741.7
165°	3036.6	3020.2	3014.7	3003.8	2954.7	2932.8	2921.9	2889.1	2861.8	2807.2	2763.5
167.5°	3009.3	2982.0	2992.9	2982.0	2921.9	2938.3	2911.0	2889.1	2872.7	2829.0	2785.4
170°	3003.8	2949.2	2976.5	2971.0	2927.3	2921.9	2889.1	2883.7	2867.3	2834.5	2812.7
172.5°	2976.5	2938.3	2954.7	2938.3	2916.4	2900.0	2900.0	2905.5	2878.2	2856.3	2829.0
175°	2932.8	2911.0	2916.4	2932.8	2900.0	2889.1	2861.8	2883.7	2889.1	2850.9	2840.0
177.5°	2883.7	2905.5	2889.1	2911.0	2883.7	2878.2	2861.8	2878.2	2878.2	2845.4	2845.4
180°	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9



TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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°	16.4	21.8	21.8	27.3	32.8	32.8	38.2	38.2	43.7	49.2	54.6
95°	32.8	27.3	32.8	38.2	38.2	43.7	49.2	49.2	54.6	60.1	60.1
97.5°	65.5	43.7	43.7	43.7	49.2	49.2	54.6	60.1	65.5	65.5	65.5
100°	125.6	71.0	71.0	54.6	54.6	60.1	60.1	65.5	71.0	71.0	71.0
102.5°	218.5	131.1	103.8	71.0	65.5	65.5	71.0	71.0	76.5	76.5	76.5
105°	409.6	262.2	147.5	87.4	81.9	76.5	76.5	76.5	81.9	81.9	81.9
107.5°	720.9	420.5	207.5	114.7	98.3	87.4	87.4	87.4	87.4	87.4	87.4
110°	1097.8	617.1	284.0	147.5	120.2	103.8	98.3	98.3	92.8	92.8	92.8
112.5°	1441.8	808.3	360.5	180.2	142.0	120.2	109.2	103.8	103.8	98.3	92.8
115°	1660.3	950.3	436.9	207.5	163.8	136.5	114.7	114.7	109.2	103.8	98.3
117.5°	1818.7	1097.8	529.8	251.2	191.2	158.4	125.6	120.2	114.7	114.7	109.2
120°	1971.6	1250.7	628.1	300.4	229.4	180.2	142.0	131.1	125.6	120.2	114.7
122.5°	2119.1	1398.1	737.3	360.5	267.6	213.0	158.4	142.0	136.5	125.6	125.6
125°	2233.7	1551.1	862.9	436.9	322.2	251.2	180.2	152.9	142.0	136.5	131.1
127.5°	2359.4	1704.0	994.0	518.8	382.3	300.4	207.5	169.3	158.4	147.5	142.0
130°	2452.2	1851.4	1136.0	628.1	469.7	360.5	245.8	191.2	169.3	158.4	152.9
132.5°	2523.2	1977.1	1278.0	748.2	573.5	436.9	294.9	229.4	191.2	174.8	163.8
135°	2545.0	2086.3	1425.4	879.3	682.7	535.2	360.5	273.1	218.5	191.2	180.2
137.5°	2566.9	2173.7	1567.4	1026.8	824.7	655.4	436.9	327.7	262.2	223.9	196.6
140°	2556.0	2239.2	1704.0	1190.6	972.1	786.5	540.7	398.7	316.8	267.6	229.4
142.5°	2550.5	2293.8	1846.0	1343.5	1125.1	939.4	666.3	491.5	387.8	316.8	273.1
145°	2561.4	2332.0	1949.7	1507.4	1305.3	1114.1	819.2	600.8	475.1	387.8	338.6
147.5°	2523.2	2353.9	2075.4	1649.4	1463.7	1278.0	983.1	748.2	595.3	486.1	415.1
150°	2556.0	2364.8	2130.0	1791.4	1616.6	1447.3	1163.3	917.5	742.8	611.7	524.3
152.5°	2550.5	2375.7	2190.0	1917.0	1769.5	1611.1	1327.1	1086.8	901.1	764.6	660.8
155°	2577.8	2381.2	2250.1	2042.6	1911.5	1769.5	1512.8	1283.4	1086.8	950.3	830.1
157.5°	2599.7	2452.2	2321.1	2157.3	2042.6	1922.4	1704.0	1491.0	1305.3	1163.3	1015.8
160°	2632.4	2490.4	2375.7	2250.1	2173.7	2048.1	1889.7	1720.4	1540.1	1387.2	1267.1
162.5°	2648.8	2550.5	2452.2	2326.6	2277.4	2190.0	2059.0	1933.4	1780.4	1638.4	1523.8
165°	2681.6	2583.3	2517.7	2414.0	2364.8	2288.4	2206.4	2091.7	1998.9	1878.7	1791.4
167.5°	2714.4	2648.8	2594.2	2512.3	2468.6	2414.0	2343.0	2266.5	2217.4	2124.5	2037.1
170°	2747.1	2692.5	2665.2	2627.0	2561.4	2517.7	2485.0	2430.4	2364.8	2321.1	2272.0
172.5°	2774.4	2752.6	2736.2	2725.3	2659.7	2627.0	2605.1	2545.0	2545.0	2485.0	2446.7
175°	2818.1	2747.1	2796.3	2769.0	2747.1	2719.8	2708.9	2692.5	2676.1	2654.3	2632.4
177.5°	2840.0	2829.0	2840.0	2829.0	2823.6	2796.3	2812.7	2796.3	2790.8	2785.4	2769.0
180°	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9



TEST NUMBER: P508352

CATALOG NUMBER: ASYX-X-L3-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°	60.1	60.1	65.5	65.5	65.5	65.5	71.0	65.5	60.1
95°	65.5	71.0	71.0	71.0	76.5	76.5	76.5	76.5	76.5
97.5°	71.0	71.0	76.5	76.5	76.5	81.9	81.9	81.9	81.9
100°	76.5	76.5	76.5	81.9	81.9	81.9	81.9	81.9	81.9
102.5°	76.5	76.5	76.5	81.9	81.9	81.9	81.9	81.9	81.9
105°	81.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
107.5°	81.9	81.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5
110°	87.4	81.9	76.5	76.5	76.5	76.5	76.5	76.5	71.0
112.5°	92.8	87.4	81.9	76.5	76.5	76.5	76.5	71.0	71.0
115°	98.3	92.8	87.4	87.4	81.9	81.9	81.9	76.5	76.5
117.5°	103.8	98.3	92.8	92.8	87.4	87.4	81.9	81.9	81.9
120°	109.2	109.2	103.8	98.3	98.3	92.8	92.8	87.4	87.4
122.5°	120.2	109.2	109.2	109.2	109.2	103.8	98.3	98.3	98.3
125°	125.6	120.2	120.2	120.2	114.7	114.7	109.2	103.8	103.8
127.5°	136.5	131.1	131.1	125.6	125.6	120.2	120.2	114.7	114.7
130°	147.5	142.0	136.5	136.5	136.5	131.1	131.1	125.6	125.6
132.5°	158.4	152.9	152.9	147.5	147.5	142.0	142.0	136.5	136.5
135°	174.8	163.8	163.8	163.8	158.4	152.9	152.9	152.9	147.5
137.5°	185.7	180.2	174.8	169.3	169.3	169.3	163.8	163.8	163.8
140°	213.0	196.6	191.2	185.7	185.7	180.2	180.2	180.2	180.2
142.5°	245.8	229.4	213.0	207.5	202.1	196.6	196.6	191.2	191.2
145°	300.4	273.1	251.2	245.8	234.8	223.9	223.9	218.5	218.5
147.5°	365.9	333.1	305.8	294.9	289.5	278.5	267.6	262.2	256.7
150°	458.8	409.6	382.3	371.4	360.5	338.6	327.7	322.2	322.2
152.5°	578.9	524.3	480.6	458.8	447.8	426.0	409.6	404.1	409.6
155°	726.4	660.8	617.1	589.8	568.0	540.7	529.8	524.3	513.4
157.5°	933.9	846.5	781.0	759.1	731.8	704.5	688.1	671.8	660.8
160°	1157.8	1059.5	999.4	972.1	939.4	895.7	873.8	852.0	841.1
162.5°	1403.6	1321.7	1250.7	1207.0	1190.6	1136.0	1114.1	1086.8	1092.3
165°	1676.7	1589.3	1534.7	1501.9	1458.2	1430.9	1414.5	1376.3	1359.9
167.5°	1966.1	1867.8	1840.5	1796.8	1758.6	1720.4	1720.4	1704.0	1687.6
170°	2184.6	2162.7	2130.0	2080.8	2075.4	2048.1	2048.1	2031.7	2037.1
172.5°	2392.1	2359.4	2359.4	2343.0	2326.6	2315.7	2288.4	2299.3	2299.3
175°	2599.7	2583.3	2572.4	2528.7	2539.6	2539.6	2523.2	2523.2	2534.1
177.5°	2769.0	2769.0	2758.0	2752.6	2747.1	2752.6	2758.0	2763.5	2752.6
180°	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9	2850.9

(END OF REPORT)