

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: P508447

Luminaire Tested: **ASYX-X-S3-X-U-HSS-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508447
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-S3-X-U-HSS-L27-1-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: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9162.8 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
CIE Type: Indirect

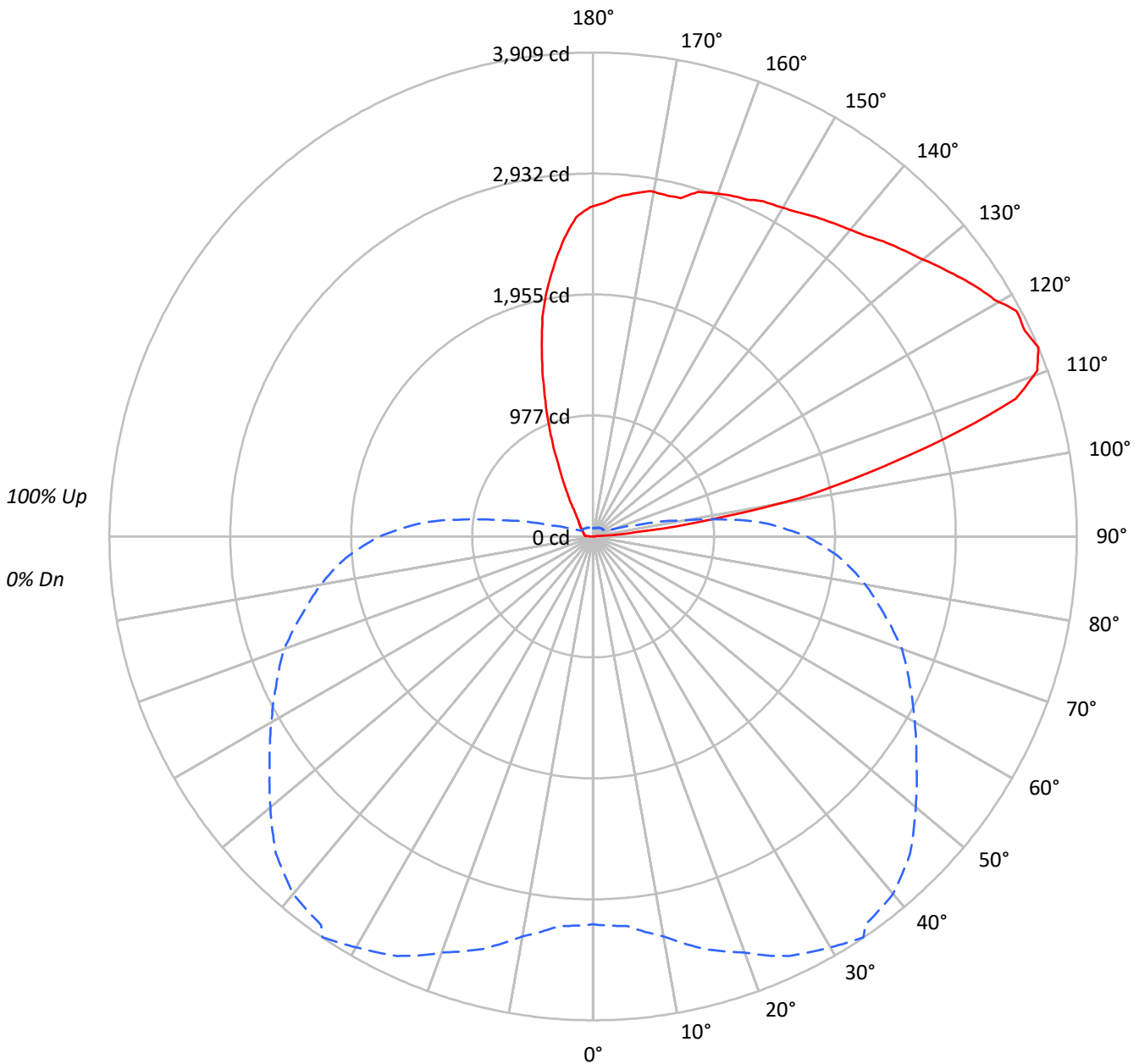
Input Watts (W): 160.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 34° Lateral - - - Horizontal Cone Through 112.5° Vertical



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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°	840	10078	11757
100°	34118	20638	6323
105°	104570	32783	3959
110°	119986	56250	2782
115°	109390	65773	2425
120°	93632	63639	2342
125°	78688	61088	2422
130°	71013	57241	2617
135°	62897	53380	2793
140°	58154	48795	3151
145°	53222	45185	3572
150°	50426	41811	4983
155°	47378	39792	7587
160°	45228	38767	11988
165°	43317	38319	18856
170°	41818	38253	27705
175°	40166	38184	34072



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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°	178.2	1.9
100°-110°	1116.7	12.2
110°-120°	1726.1	18.8
120°-130°	1665.8	18.2
130°-140°	1446.8	15.8
140°-150°	1192.5	13.0
150°-160°	939.7	10.3
160°-170°	651.9	7.1
170°-180°	245.0	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°	3021.1	33.0
90°-150°	7326.2	80.0
90°-180°	9163.0	100.0
0°-180°	9162.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	5	46	61	56	71	86
105°	1886	3028	591	76	71	1851
115°	3221	3675	1937	97	71	3133
125°	3145	3583	2441	127	97	2876
135°	3099	3288	2630	178	138	2410
145°	3038	3073	2579	362	204	1926
155°	2992	2951	2513	887	479	1379
165°	2915	2834	2579	1753	1269	828
175°	2788	2737	2650	2477	2365	267
180°	2661	2661	2661	2661	2661	



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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	5.1	5.1	15.3	10.2	10.2	15.3	20.4	25.5	10.2
95°	5.1	5.1	10.2	132.5	397.6	438.3	417.9	402.7	351.7	305.8	76.5
97.5°	107.0	127.4	203.9	545.4	1106.0	1274.2	1355.8	1111.1	912.3	846.1	453.6
100°	412.8	479.1	662.6	1253.8	1870.6	1911.3	1896.0	1845.1	1697.3	1600.4	1228.4
102.5°	1100.9	1146.8	1401.6	1926.6	2263.0	2334.4	2334.4	2288.5	2273.2	2242.6	2125.4
105°	1885.8	1936.8	2140.7	2410.8	2614.7	2691.2	2731.9	2833.9	2935.8	2951.1	3063.2
107.5°	2410.8	2461.8	2619.8	2823.7	3088.7	3185.6	3302.8	3465.9	3593.3	3578.0	3552.5
110°	2859.4	2915.4	3063.2	3267.1	3460.8	3578.0	3690.1	3761.5	3832.9	3761.5	3725.8
112.5°	3134.6	3160.1	3282.4	3450.6	3578.0	3664.7	3741.1	3832.9	3909.3	3832.9	3771.7
115°	3221.2	3236.5	3343.6	3460.8	3598.4	3680.0	3736.0	3832.9	3863.4	3848.2	3797.2
117.5°	3216.1	3282.4	3374.1	3455.7	3588.2	3654.5	3710.5	3787.0	3878.7	3838.0	3787.0
120°	3262.0	3267.1	3363.9	3460.8	3557.6	3613.7	3613.7	3725.8	3766.6	3756.4	3746.2
122.5°	3246.7	3262.0	3343.6	3404.7	3506.7	3552.5	3598.4	3654.5	3700.3	3685.1	3685.1
125°	3144.8	3241.6	3287.5	3358.9	3455.7	3486.3	3532.1	3578.0	3618.8	3603.5	3598.4
127.5°	3205.9	3211.0	3251.8	3328.3	3389.4	3409.8	3460.8	3501.6	3542.3	3537.2	3547.4
130°	3180.5	3165.2	3262.0	3292.6	3338.5	3374.1	3399.6	3435.3	3465.9	3465.9	3476.1
132.5°	3160.1	3160.1	3190.7	3251.8	3292.6	3318.1	3358.9	3369.0	3404.7	3414.9	3394.5
135°	3098.9	3139.7	3185.6	3205.9	3251.8	3272.2	3292.6	3313.0	3343.6	3353.8	3318.1
137.5°	3037.7	3098.9	3160.1	3190.7	3226.3	3226.3	3226.3	3256.9	3272.2	3287.5	3251.8
140°	3104.0	3098.9	3155.0	3149.9	3170.3	3165.2	3200.8	3205.9	3226.3	3216.1	3195.7
142.5°	3088.7	3088.7	3104.0	3124.4	3119.3	3129.5	3155.0	3180.5	3180.5	3190.7	3155.0
145°	3037.7	3053.0	3078.5	3098.9	3098.9	3093.8	3124.4	3129.5	3139.7	3134.6	3114.2
147.5°	3058.1	3058.1	3058.1	3083.6	3083.6	3083.6	3088.7	3093.8	3093.8	3098.9	3083.6
150°	3042.8	3047.9	3058.1	3047.9	3073.4	3032.6	3058.1	3058.1	3058.1	3063.2	3053.0
152.5°	2940.9	3012.3	3037.7	3032.6	3012.3	3022.5	3027.6	3047.9	3037.7	3047.9	3017.4
155°	2991.9	2986.8	2991.9	2997.0	2981.7	2991.9	2997.0	2997.0	2991.9	2997.0	2971.5
157.5°	2976.6	2971.5	2997.0	2966.4	2981.7	2991.9	2971.5	2986.8	2971.5	2991.9	2981.7
160°	2961.3	2951.1	2971.5	2951.1	2971.5	2946.0	2930.7	2956.2	2940.9	2976.6	2925.6
162.5°	2940.9	2935.8	2956.2	2930.7	2910.3	2900.1	2915.4	2920.5	2910.3	2920.5	2895.0
165°	2915.4	2915.4	2915.4	2889.9	2905.2	2905.2	2884.8	2889.9	2823.7	2895.0	2864.5
167.5°	2895.0	2915.4	2889.9	2864.5	2895.0	2895.0	2859.4	2864.5	2818.6	2854.3	2839.0
170°	2869.5	2849.2	2854.3	2854.3	2879.7	2833.9	2808.4	2854.3	2828.8	2854.3	2828.8
172.5°	2808.4	2828.8	2828.8	2818.6	2803.3	2803.3	2798.2	2808.4	2793.1	2798.2	2782.9
175°	2788.0	2788.0	2798.2	2813.5	2782.9	2777.8	2747.2	2772.7	2757.4	2767.6	2752.3
177.5°	2711.5	2752.3	2747.2	2711.5	2731.9	2701.4	2716.6	2726.8	2696.3	2721.7	2696.3
180°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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°	10.2	10.2	10.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
95°	45.9	61.2	147.8	122.3	91.7	86.6	96.8	86.6	76.5	66.3	61.2
97.5°	367.0	412.8	433.2	382.3	377.2	346.6	310.9	234.5	214.1	188.6	147.8
100°	1004.1	892.0	835.9	744.1	601.4	545.4	499.5	412.8	336.4	295.6	249.7
102.5°	1921.5	1712.6	1442.4	1157.0	942.9	861.4	769.6	642.2	540.3	448.5	372.1
105°	3027.6	2630.0	2105.0	1722.7	1437.3	1258.9	1177.4	973.5	805.3	703.4	591.2
107.5°	3394.5	3139.7	2813.5	2415.9	2079.5	1916.4	1738.0	1467.9	1253.8	1065.2	897.1
110°	3547.4	3328.3	3083.6	2849.2	2619.8	2472.0	2349.7	2074.4	1809.4	1574.9	1340.5
112.5°	3623.9	3404.7	3190.7	3002.1	2823.7	2742.1	2655.5	2436.3	2232.4	2008.2	1727.8
115°	3674.9	3501.6	3313.0	3114.2	2976.6	2889.9	2813.5	2614.7	2426.1	2222.2	1936.8
117.5°	3700.3	3527.0	3389.4	3226.3	3083.6	3012.3	2930.7	2752.3	2563.7	2375.2	2089.7
120°	3669.8	3552.5	3440.4	3302.8	3165.2	3093.8	3027.6	2849.2	2675.9	2497.5	2217.1
122.5°	3629.0	3562.7	3476.1	3338.5	3236.5	3175.4	3119.3	2940.9	2788.0	2584.1	2329.3
125°	3583.1	3516.9	3425.1	3338.5	3256.9	3211.0	3170.3	3012.3	2854.3	2681.0	2441.4
127.5°	3511.8	3450.6	3379.2	3307.9	3246.7	3200.8	3185.6	3047.9	2900.1	2747.2	2502.6
130°	3435.3	3384.3	3323.2	3251.8	3211.0	3160.1	3165.2	3042.8	2925.6	2782.9	2563.7
132.5°	3333.4	3297.7	3282.4	3205.9	3165.2	3139.7	3104.0	3022.5	2925.6	2813.5	2604.5
135°	3287.5	3251.8	3226.3	3160.1	3098.9	3088.7	3037.7	2991.9	2910.3	2828.8	2630.0
137.5°	3205.9	3185.6	3170.3	3098.9	3037.7	3037.7	3022.5	2961.3	2889.9	2777.8	2609.6
140°	3170.3	3144.8	3104.0	3047.9	3012.3	2981.7	2966.4	2915.4	2828.8	2742.1	2604.5
142.5°	3109.1	3088.7	3078.5	3027.6	2971.5	2940.9	2910.3	2854.3	2793.1	2731.9	2584.1
145°	3073.4	3068.3	3058.1	3007.2	2920.5	2905.2	2895.0	2833.9	2777.8	2681.0	2579.0
147.5°	3027.6	3032.6	3022.5	2961.3	2905.2	2869.5	2844.1	2788.0	2747.2	2665.7	2538.3
150°	2997.0	3002.1	2991.9	2915.4	2854.3	2839.0	2828.8	2772.7	2696.3	2630.0	2523.0
152.5°	2981.7	2966.4	2940.9	2910.3	2844.1	2808.4	2798.2	2737.0	2696.3	2614.7	2512.8
155°	2951.1	2930.7	2915.4	2864.5	2823.7	2788.0	2762.5	2726.8	2681.0	2599.4	2512.8
157.5°	2920.5	2900.1	2889.9	2879.7	2823.7	2772.7	2767.6	2726.8	2655.5	2594.3	2523.0
160°	2889.9	2839.0	2879.7	2818.6	2803.3	2762.5	2731.9	2706.4	2655.5	2599.4	2538.3
162.5°	2859.4	2844.1	2839.0	2803.3	2772.7	2747.2	2701.4	2716.6	2655.5	2604.5	2558.6
165°	2833.9	2818.6	2813.5	2803.3	2757.4	2737.0	2726.8	2696.3	2670.8	2619.8	2579.0
167.5°	2808.4	2782.9	2793.1	2782.9	2726.8	2742.1	2716.6	2696.3	2681.0	2640.2	2599.4
170°	2803.3	2752.3	2777.8	2772.7	2731.9	2726.8	2696.3	2691.2	2675.9	2645.3	2624.9
172.5°	2777.8	2742.1	2757.4	2742.1	2721.7	2706.4	2706.4	2711.5	2686.1	2665.7	2640.2
175°	2737.0	2716.6	2721.7	2737.0	2706.4	2696.3	2670.8	2691.2	2696.3	2660.6	2650.4
177.5°	2691.2	2711.5	2696.3	2716.6	2691.2	2686.1	2670.8	2686.1	2686.1	2655.5	2655.5
180°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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°	15.3	20.4	20.4	25.5	30.6	30.6	35.7	35.7	40.8	45.9	51.0
95°	30.6	25.5	30.6	35.7	35.7	40.8	45.9	45.9	51.0	56.1	56.1
97.5°	61.2	40.8	40.8	40.8	45.9	45.9	51.0	56.1	61.2	61.2	61.2
100°	117.2	66.3	66.3	51.0	51.0	56.1	56.1	61.2	66.3	66.3	66.3
102.5°	203.9	122.3	96.8	66.3	61.2	61.2	66.3	66.3	71.4	71.4	71.4
105°	382.3	244.7	137.6	81.6	76.5	71.4	71.4	71.4	76.5	76.5	76.5
107.5°	672.8	392.5	193.7	107.0	91.7	81.6	81.6	81.6	81.6	81.6	81.6
110°	1024.5	575.9	265.0	137.6	112.1	96.8	91.7	91.7	86.6	86.6	86.6
112.5°	1345.6	754.3	336.4	168.2	132.5	112.1	101.9	96.8	96.8	91.7	86.6
115°	1549.5	886.9	407.8	193.7	152.9	127.4	107.0	107.0	101.9	96.8	91.7
117.5°	1697.3	1024.5	494.4	234.5	178.4	147.8	117.2	112.1	107.0	107.0	101.9
120°	1840.0	1167.2	586.1	280.3	214.1	168.2	132.5	122.3	117.2	112.1	107.0
122.5°	1977.6	1304.8	688.1	336.4	249.7	198.8	147.8	132.5	127.4	117.2	117.2
125°	2084.6	1447.5	805.3	407.8	300.7	234.5	168.2	142.7	132.5	127.4	122.3
127.5°	2201.9	1590.2	927.6	484.2	356.8	280.3	193.7	158.0	147.8	137.6	132.5
130°	2288.5	1727.8	1060.2	586.1	438.3	336.4	229.4	178.4	158.0	147.8	142.7
132.5°	2354.8	1845.1	1192.7	698.3	535.2	407.8	275.2	214.1	178.4	163.1	152.9
135°	2375.2	1947.0	1330.3	820.6	637.1	499.5	336.4	254.8	203.9	178.4	168.2
137.5°	2395.5	2028.6	1462.8	958.2	769.6	611.6	407.8	305.8	244.7	209.0	183.5
140°	2385.3	2089.7	1590.2	1111.1	907.2	734.0	504.6	372.1	295.6	249.7	214.1
142.5°	2380.2	2140.7	1722.7	1253.8	1050.0	876.7	621.8	458.7	361.9	295.6	254.8
145°	2390.4	2176.4	1819.6	1406.7	1218.2	1039.8	764.5	560.7	443.4	361.9	316.0
147.5°	2354.8	2196.8	1936.8	1539.3	1366.0	1192.7	917.4	698.3	555.6	453.6	387.4
150°	2385.3	2207.0	1987.8	1671.8	1508.7	1350.7	1085.6	856.3	693.2	570.9	489.3
152.5°	2380.2	2217.1	2043.9	1789.0	1651.4	1503.6	1238.5	1014.3	841.0	713.6	616.7
155°	2405.7	2222.2	2099.9	1906.2	1783.9	1651.4	1411.8	1197.8	1014.3	886.9	774.7
157.5°	2426.1	2288.5	2166.2	2013.3	1906.2	1794.1	1590.2	1391.5	1218.2	1085.6	948.0
160°	2456.7	2324.2	2217.1	2099.9	2028.6	1911.3	1763.5	1605.5	1437.3	1294.6	1182.5
162.5°	2472.0	2380.2	2288.5	2171.3	2125.4	2043.9	1921.5	1804.3	1661.6	1529.1	1422.0
165°	2502.6	2410.8	2349.7	2252.8	2207.0	2135.6	2059.1	1952.1	1865.5	1753.3	1671.8
167.5°	2533.2	2472.0	2421.0	2344.6	2303.8	2252.8	2186.6	2115.2	2069.3	1982.7	1901.1
170°	2563.7	2512.8	2487.3	2451.6	2390.4	2349.7	2319.1	2268.1	2207.0	2166.2	2120.3
172.5°	2589.2	2568.8	2553.5	2543.3	2482.2	2451.6	2431.2	2375.2	2375.2	2319.1	2283.4
175°	2630.0	2563.7	2609.6	2584.1	2563.7	2538.3	2528.1	2512.8	2497.5	2477.1	2456.7
177.5°	2650.4	2640.2	2650.4	2640.2	2635.1	2609.6	2624.9	2609.6	2604.5	2599.4	2584.1
180°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6



TEST NUMBER: P508447

CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L27-1-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°	56.1	56.1	61.2	61.2	61.2	61.2	66.3	61.2	56.1
95°	61.2	66.3	66.3	66.3	71.4	71.4	71.4	71.4	71.4
97.5°	66.3	66.3	71.4	71.4	71.4	76.5	76.5	76.5	76.5
100°	71.4	71.4	71.4	76.5	76.5	76.5	76.5	76.5	76.5
102.5°	71.4	71.4	71.4	76.5	76.5	76.5	76.5	76.5	76.5
105°	76.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
107.5°	76.5	76.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4
110°	81.6	76.5	71.4	71.4	71.4	71.4	71.4	71.4	66.3
112.5°	86.6	81.6	76.5	71.4	71.4	71.4	71.4	66.3	66.3
115°	91.7	86.6	81.6	81.6	76.5	76.5	76.5	71.4	71.4
117.5°	96.8	91.7	86.6	86.6	81.6	81.6	76.5	76.5	76.5
120°	101.9	101.9	96.8	91.7	91.7	86.6	86.6	81.6	81.6
122.5°	112.1	101.9	101.9	101.9	101.9	96.8	91.7	91.7	91.7
125°	117.2	112.1	112.1	112.1	107.0	107.0	101.9	96.8	96.8
127.5°	127.4	122.3	122.3	117.2	117.2	112.1	112.1	107.0	107.0
130°	137.6	132.5	127.4	127.4	127.4	122.3	122.3	117.2	117.2
132.5°	147.8	142.7	142.7	137.6	137.6	132.5	132.5	127.4	127.4
135°	163.1	152.9	152.9	152.9	147.8	142.7	142.7	142.7	137.6
137.5°	173.3	168.2	163.1	158.0	158.0	158.0	152.9	152.9	152.9
140°	198.8	183.5	178.4	173.3	173.3	168.2	168.2	168.2	168.2
142.5°	229.4	214.1	198.8	193.7	188.6	183.5	183.5	178.4	178.4
145°	280.3	254.8	234.5	229.4	219.2	209.0	209.0	203.9	203.9
147.5°	341.5	310.9	285.4	275.2	270.1	259.9	249.7	244.7	239.6
150°	428.1	382.3	356.8	346.6	336.4	316.0	305.8	300.7	300.7
152.5°	540.3	489.3	448.5	428.1	417.9	397.6	382.3	377.2	382.3
155°	677.9	616.7	575.9	550.5	530.1	504.6	494.4	489.3	479.1
157.5°	871.6	790.0	728.9	708.5	683.0	657.5	642.2	626.9	616.7
160°	1080.5	988.8	932.7	907.2	876.7	835.9	815.5	795.1	784.9
162.5°	1309.9	1233.4	1167.2	1126.4	1111.1	1060.2	1039.8	1014.3	1019.4
165°	1564.7	1483.2	1432.2	1401.6	1360.9	1335.4	1320.1	1284.4	1269.1
167.5°	1834.9	1743.1	1717.7	1676.9	1641.2	1605.5	1605.5	1590.2	1574.9
170°	2038.8	2018.4	1987.8	1941.9	1936.8	1911.3	1911.3	1896.0	1901.1
172.5°	2232.4	2201.9	2201.9	2186.6	2171.3	2161.1	2135.6	2145.8	2145.8
175°	2426.1	2410.8	2400.6	2359.9	2370.1	2370.1	2354.8	2354.8	2365.0
177.5°	2584.1	2584.1	2573.9	2568.8	2563.7	2568.8	2573.9	2579.0	2568.8
180°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6

(END OF REPORT)