

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: P508367

Luminaire Tested: **ASYX-X-L4-X-U-HSS-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508367
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-L27-1-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: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

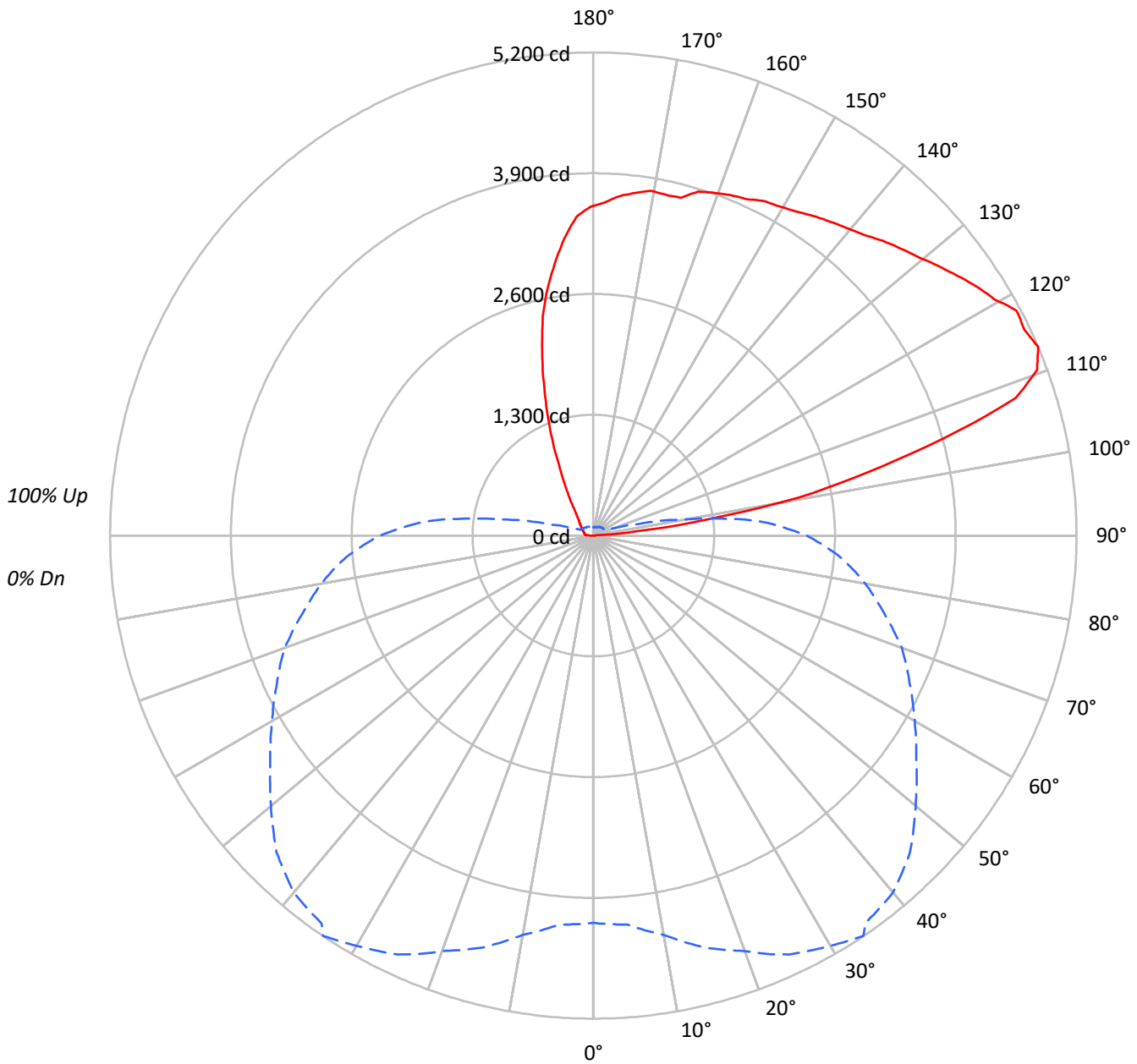
Lumens per Lamp: N/A
Luminaire Lumens: 12187.6 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508367
CATALOG NUMBER: ASYX-X-L4-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



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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	50	30	10	0	
RCR																						
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0	
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0	
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0	
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0	
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0	
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0	
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0	
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0	
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0	
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0	
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
95°	840	10053	11720
100°	34037	20592	6304
105°	104321	32705	3947
110°	119696	56114	2773
115°	109127	65615	2417
120°	93407	63488	2336
125°	78498	60942	2417
130°	70841	57104	2611
135°	62746	53251	2786
140°	58014	48678	3143
145°	53095	45077	3564
150°	50304	41710	4972
155°	47264	39695	7569
160°	45119	38673	11959
165°	43214	38227	18812
170°	41717	38161	27639
175°	40069	38091	33989



TEST NUMBER: P508367

CATALOG NUMBER: ASYX-X-L4-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°	237.0	1.9
100°-110°	1485.4	12.2
110°-120°	2296.0	18.8
120°-130°	2215.8	18.2
130°-140°	1924.4	15.8
140°-150°	1586.2	13.0
150°-160°	1249.9	10.3
160°-170°	867.1	7.1
170°-180°	325.9	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°	4018.4	33.0
90°-150°	9744.7	80.0
90°-180°	12188.0	100.0
0°-180°	12187.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	7	61	81	75	95	115
105°	2508	4027	786	102	95	2462
115°	4285	4888	2576	129	95	4167
125°	4183	4766	3247	170	129	3825
135°	4122	4373	3498	237	183	3205
145°	4041	4088	3430	481	271	2562
155°	3980	3925	3342	1180	637	1834
165°	3878	3769	3430	2332	1688	1101
175°	3708	3641	3525	3295	3146	355
180°	3539	3539	3539	3539	3539	



TEST NUMBER: P508367

CATALOG NUMBER: ASYX-X-L4-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	6.8	6.8	20.3	13.6	13.6	20.3	27.1	33.9	13.6
95°	6.8	6.8	13.6	176.3	528.8	583.0	555.9	535.6	467.8	406.8	101.7
97.5°	142.4	169.5	271.2	725.4	1471.1	1694.9	1803.3	1477.9	1213.5	1125.4	603.4
100°	549.1	637.3	881.3	1667.8	2488.1	2542.3	2522.0	2454.2	2257.6	2128.8	1633.9
102.5°	1464.4	1525.4	1864.4	2562.6	3010.1	3105.0	3105.0	3044.0	3023.6	2983.0	2827.0
105°	2508.4	2576.2	2847.4	3206.7	3477.9	3579.6	3633.8	3769.4	3905.0	3925.3	4074.5
107.5°	3206.7	3274.5	3484.7	3755.8	4108.4	4237.2	4393.1	4610.0	4779.5	4759.2	4725.3
110°	3803.3	3877.9	4074.5	4345.6	4603.3	4759.2	4908.3	5003.3	5098.2	5003.3	4955.8
112.5°	4169.4	4203.3	4366.0	4589.7	4759.2	4874.4	4976.1	5098.2	5199.9	5098.2	5016.8
115°	4284.6	4305.0	4447.3	4603.3	4786.3	4894.8	4969.4	5098.2	5138.8	5118.5	5050.7
117.5°	4277.9	4366.0	4488.0	4596.5	4772.8	4860.9	4935.5	5037.2	5159.2	5104.9	5037.2
120°	4338.9	4345.6	4474.5	4603.3	4732.1	4806.7	4806.7	4955.8	5010.0	4996.5	4982.9
122.5°	4318.5	4338.9	4447.3	4528.7	4664.3	4725.3	4786.3	4860.9	4921.9	4901.6	4901.6
125°	4182.9	4311.7	4372.8	4467.7	4596.5	4637.2	4698.2	4759.2	4813.4	4793.1	4786.3
127.5°	4264.3	4271.1	4325.3	4427.0	4508.4	4535.5	4603.3	4657.5	4711.7	4705.0	4718.5
130°	4230.4	4210.1	4338.9	4379.5	4440.6	4488.0	4521.9	4569.4	4610.0	4610.0	4623.6
132.5°	4203.3	4203.3	4244.0	4325.3	4379.5	4413.4	4467.7	4481.2	4528.7	4542.3	4515.1
135°	4121.9	4176.2	4237.2	4264.3	4325.3	4352.4	4379.5	4406.7	4447.3	4460.9	4413.4
137.5°	4040.6	4121.9	4203.3	4244.0	4291.4	4291.4	4291.4	4332.1	4352.4	4372.8	4325.3
140°	4128.7	4121.9	4196.5	4189.7	4216.8	4210.1	4257.5	4264.3	4291.4	4277.9	4250.7
142.5°	4108.4	4108.4	4128.7	4155.8	4149.0	4162.6	4196.5	4230.4	4230.4	4244.0	4196.5
145°	4040.6	4060.9	4094.8	4121.9	4121.9	4115.1	4155.8	4162.6	4176.2	4169.4	4142.3
147.5°	4067.7	4067.7	4067.7	4101.6	4101.6	4101.6	4108.4	4115.1	4115.1	4121.9	4101.6
150°	4047.3	4054.1	4067.7	4054.1	4088.0	4033.8	4067.7	4067.7	4067.7	4074.5	4060.9
152.5°	3911.8	4006.7	4040.6	4033.8	4006.7	4020.2	4027.0	4054.1	4040.6	4054.1	4013.5
155°	3979.6	3972.8	3979.6	3986.3	3966.0	3979.6	3986.3	3986.3	3979.6	3986.3	3952.4
157.5°	3959.2	3952.4	3986.3	3945.7	3966.0	3979.6	3952.4	3972.8	3952.4	3979.6	3966.0
160°	3938.9	3925.3	3952.4	3925.3	3952.4	3918.5	3898.2	3932.1	3911.8	3959.2	3891.4
162.5°	3911.8	3905.0	3932.1	3898.2	3871.1	3857.5	3877.9	3884.6	3871.1	3884.6	3850.7
165°	3877.9	3877.9	3877.9	3844.0	3864.3	3864.3	3837.2	3844.0	3755.8	3850.7	3810.1
167.5°	3850.7	3877.9	3844.0	3810.1	3850.7	3850.7	3803.3	3810.1	3749.1	3796.5	3776.2
170°	3816.8	3789.7	3796.5	3796.5	3830.4	3769.4	3735.5	3796.5	3762.6	3796.5	3762.6
172.5°	3735.5	3762.6	3762.6	3749.1	3728.7	3728.7	3721.9	3735.5	3715.2	3721.9	3701.6
175°	3708.4	3708.4	3721.9	3742.3	3701.6	3694.8	3654.1	3688.0	3667.7	3681.3	3660.9
177.5°	3606.7	3660.9	3654.1	3606.7	3633.8	3593.1	3613.5	3627.0	3586.3	3620.2	3586.3
180°	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9



TEST NUMBER: P508367

CATALOG NUMBER: ASYX-X-L4-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°	13.6	13.6	13.6	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
95°	61.0	81.4	196.6	162.7	122.0	115.3	128.8	115.3	101.7	88.1	81.4
97.5°	488.1	549.1	576.3	508.5	501.7	461.0	413.5	311.9	284.7	250.8	196.6
100°	1335.6	1186.4	1111.8	989.8	800.0	725.4	664.4	549.1	447.4	393.2	332.2
102.5°	2555.9	2277.9	1918.6	1538.9	1254.2	1145.7	1023.7	854.2	718.6	596.6	494.9
105°	4027.0	3498.2	2799.9	2291.5	1911.8	1674.5	1566.1	1294.9	1071.2	935.6	786.4
107.5°	4515.1	4176.2	3742.3	3213.5	2766.0	2549.1	2311.8	1952.5	1667.8	1416.9	1193.2
110°	4718.5	4427.0	4101.6	3789.7	3484.7	3288.0	3125.3	2759.2	2406.7	2094.9	1783.0
112.5°	4820.2	4528.7	4244.0	3993.1	3755.8	3647.4	3532.1	3240.6	2969.4	2671.1	2298.2
115°	4888.0	4657.5	4406.7	4142.3	3959.2	3844.0	3742.3	3477.9	3227.0	2955.9	2576.2
117.5°	4921.9	4691.4	4508.4	4291.4	4101.6	4006.7	3898.2	3660.9	3410.1	3159.2	2779.6
120°	4881.2	4725.3	4576.1	4393.1	4210.1	4115.1	4027.0	3789.7	3559.2	3321.9	2949.1
122.5°	4827.0	4738.9	4623.6	4440.6	4305.0	4223.6	4149.0	3911.8	3708.4	3437.2	3098.2
125°	4766.0	4677.8	4555.8	4440.6	4332.1	4271.1	4216.8	4006.7	3796.5	3566.0	3247.4
127.5°	4671.1	4589.7	4494.8	4399.9	4318.5	4257.5	4237.2	4054.1	3857.5	3654.1	3328.7
130°	4569.4	4501.6	4420.2	4325.3	4271.1	4203.3	4210.1	4047.3	3891.4	3701.6	3410.1
132.5°	4433.8	4386.3	4366.0	4264.3	4210.1	4176.2	4128.7	4020.2	3891.4	3742.3	3464.3
135°	4372.8	4325.3	4291.4	4203.3	4121.9	4108.4	4040.6	3979.6	3871.1	3762.6	3498.2
137.5°	4264.3	4237.2	4216.8	4121.9	4040.6	4040.6	4020.2	3938.9	3844.0	3694.8	3471.1
140°	4216.8	4182.9	4128.7	4054.1	4006.7	3966.0	3945.7	3877.9	3762.6	3647.4	3464.3
142.5°	4135.5	4108.4	4094.8	4027.0	3952.4	3911.8	3871.1	3796.5	3715.2	3633.8	3437.2
145°	4088.0	4081.2	4067.7	3999.9	3884.6	3864.3	3850.7	3769.4	3694.8	3566.0	3430.4
147.5°	4027.0	4033.8	4020.2	3938.9	3864.3	3816.8	3782.9	3708.4	3654.1	3545.7	3376.2
150°	3986.3	3993.1	3979.6	3877.9	3796.5	3776.2	3762.6	3688.0	3586.3	3498.2	3355.8
152.5°	3966.0	3945.7	3911.8	3871.1	3782.9	3735.5	3721.9	3640.6	3586.3	3477.9	3342.3
155°	3925.3	3898.2	3877.9	3810.1	3755.8	3708.4	3674.5	3627.0	3566.0	3457.5	3342.3
157.5°	3884.6	3857.5	3844.0	3830.4	3755.8	3688.0	3681.3	3627.0	3532.1	3450.8	3355.8
160°	3844.0	3776.2	3830.4	3749.1	3728.7	3674.5	3633.8	3599.9	3532.1	3457.5	3376.2
162.5°	3803.3	3782.9	3776.2	3728.7	3688.0	3654.1	3593.1	3613.5	3532.1	3464.3	3403.3
165°	3769.4	3749.1	3742.3	3728.7	3667.7	3640.6	3627.0	3586.3	3552.4	3484.7	3430.4
167.5°	3735.5	3701.6	3715.2	3701.6	3627.0	3647.4	3613.5	3586.3	3566.0	3511.8	3457.5
170°	3728.7	3660.9	3694.8	3688.0	3633.8	3627.0	3586.3	3579.6	3559.2	3518.5	3491.4
172.5°	3694.8	3647.4	3667.7	3647.4	3620.2	3599.9	3599.9	3606.7	3572.8	3545.7	3511.8
175°	3640.6	3613.5	3620.2	3640.6	3599.9	3586.3	3552.4	3579.6	3586.3	3538.9	3525.3
177.5°	3579.6	3606.7	3586.3	3613.5	3579.6	3572.8	3552.4	3572.8	3572.8	3532.1	3532.1
180°	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9



TEST NUMBER: P508367

CATALOG NUMBER: ASYX-X-L4-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°	20.3	27.1	27.1	33.9	40.7	40.7	47.5	47.5	54.2	61.0	67.8
95°	40.7	33.9	40.7	47.5	47.5	54.2	61.0	61.0	67.8	74.6	74.6
97.5°	81.4	54.2	54.2	54.2	61.0	61.0	67.8	74.6	81.4	81.4	81.4
100°	155.9	88.1	88.1	67.8	67.8	74.6	74.6	81.4	88.1	88.1	88.1
102.5°	271.2	162.7	128.8	88.1	81.4	81.4	88.1	88.1	94.9	94.9	94.9
105°	508.5	325.4	183.0	108.5	101.7	94.9	94.9	94.9	101.7	101.7	101.7
107.5°	894.9	522.0	257.6	142.4	122.0	108.5	108.5	108.5	108.5	108.5	108.5
110°	1362.7	766.1	352.5	183.0	149.1	128.8	122.0	122.0	115.3	115.3	115.3
112.5°	1789.8	1003.4	447.4	223.7	176.3	149.1	135.6	128.8	128.8	122.0	115.3
115°	2061.0	1179.6	542.4	257.6	203.4	169.5	142.4	142.4	135.6	128.8	122.0
117.5°	2257.6	1362.7	657.6	311.9	237.3	196.6	155.9	149.1	142.4	142.4	135.6
120°	2447.4	1552.5	779.6	372.9	284.7	223.7	176.3	162.7	155.9	149.1	142.4
122.5°	2630.4	1735.5	915.2	447.4	332.2	264.4	196.6	176.3	169.5	155.9	155.9
125°	2772.8	1925.4	1071.2	542.4	400.0	311.9	223.7	189.8	176.3	169.5	162.7
127.5°	2928.7	2115.2	1233.9	644.1	474.6	372.9	257.6	210.2	196.6	183.0	176.3
130°	3044.0	2298.2	1410.1	779.6	583.0	447.4	305.1	237.3	210.2	196.6	189.8
132.5°	3132.1	2454.2	1586.4	928.8	711.8	542.4	366.1	284.7	237.3	216.9	203.4
135°	3159.2	2589.8	1769.4	1091.5	847.4	664.4	447.4	339.0	271.2	237.3	223.7
137.5°	3186.4	2698.2	1945.7	1274.5	1023.7	813.5	542.4	406.8	325.4	278.0	244.1
140°	3172.8	2779.6	2115.2	1477.9	1206.7	976.2	671.2	494.9	393.2	332.2	284.7
142.5°	3166.0	2847.4	2291.5	1667.8	1396.6	1166.1	827.1	610.2	481.3	393.2	339.0
145°	3179.6	2894.8	2420.3	1871.1	1620.3	1383.0	1016.9	745.7	589.8	481.3	420.3
147.5°	3132.1	2922.0	2576.2	2047.4	1816.9	1586.4	1220.3	928.8	739.0	603.4	515.2
150°	3172.8	2935.5	2644.0	2223.7	2006.7	1796.6	1444.0	1139.0	922.0	759.3	650.8
152.5°	3166.0	2949.1	2718.6	2379.6	2196.6	1999.9	1647.4	1349.1	1118.6	949.1	820.3
155°	3199.9	2955.9	2793.1	2535.5	2372.8	2196.6	1877.9	1593.2	1349.1	1179.6	1030.5
157.5°	3227.0	3044.0	2881.3	2677.9	2535.5	2386.4	2115.2	1850.8	1620.3	1444.0	1261.0
160°	3267.7	3091.4	2949.1	2793.1	2698.2	2542.3	2345.7	2135.5	1911.8	1722.0	1572.8
162.5°	3288.0	3166.0	3044.0	2888.1	2827.0	2718.6	2555.9	2399.9	2210.1	2033.8	1891.5
165°	3328.7	3206.7	3125.3	2996.5	2935.5	2840.6	2738.9	2596.5	2481.3	2332.1	2223.7
167.5°	3369.4	3288.0	3220.3	3118.6	3064.3	2996.5	2908.4	2813.5	2752.5	2637.2	2528.7
170°	3410.1	3342.3	3308.4	3260.9	3179.6	3125.3	3084.7	3016.9	2935.5	2881.3	2820.3
172.5°	3444.0	3416.9	3396.5	3383.0	3301.6	3260.9	3233.8	3159.2	3159.2	3084.7	3037.2
175°	3498.2	3410.1	3471.1	3437.2	3410.1	3376.2	3362.6	3342.3	3321.9	3294.8	3267.7
177.5°	3525.3	3511.8	3525.3	3511.8	3505.0	3471.1	3491.4	3471.1	3464.3	3457.5	3437.2
180°	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9



TEST NUMBER: P508367

CATALOG NUMBER: ASYX-X-L4-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°	74.6	74.6	81.4	81.4	81.4	81.4	88.1	81.4	74.6
95°	81.4	88.1	88.1	88.1	94.9	94.9	94.9	94.9	94.9
97.5°	88.1	88.1	94.9	94.9	94.9	101.7	101.7	101.7	101.7
100°	94.9	94.9	94.9	101.7	101.7	101.7	101.7	101.7	101.7
102.5°	94.9	94.9	94.9	101.7	101.7	101.7	101.7	101.7	101.7
105°	101.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
107.5°	101.7	101.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
110°	108.5	101.7	94.9	94.9	94.9	94.9	94.9	94.9	88.1
112.5°	115.3	108.5	101.7	94.9	94.9	94.9	94.9	88.1	88.1
115°	122.0	115.3	108.5	108.5	101.7	101.7	101.7	94.9	94.9
117.5°	128.8	122.0	115.3	115.3	108.5	108.5	101.7	101.7	101.7
120°	135.6	135.6	128.8	122.0	122.0	115.3	115.3	108.5	108.5
122.5°	149.1	135.6	135.6	135.6	135.6	128.8	122.0	122.0	122.0
125°	155.9	149.1	149.1	149.1	142.4	142.4	135.6	128.8	128.8
127.5°	169.5	162.7	162.7	155.9	155.9	149.1	149.1	142.4	142.4
130°	183.0	176.3	169.5	169.5	169.5	162.7	162.7	155.9	155.9
132.5°	196.6	189.8	189.8	183.0	183.0	176.3	176.3	169.5	169.5
135°	216.9	203.4	203.4	203.4	196.6	189.8	189.8	189.8	183.0
137.5°	230.5	223.7	216.9	210.2	210.2	210.2	203.4	203.4	203.4
140°	264.4	244.1	237.3	230.5	230.5	223.7	223.7	223.7	223.7
142.5°	305.1	284.7	264.4	257.6	250.8	244.1	244.1	237.3	237.3
145°	372.9	339.0	311.9	305.1	291.5	278.0	278.0	271.2	271.2
147.5°	454.2	413.5	379.7	366.1	359.3	345.8	332.2	325.4	318.6
150°	569.5	508.5	474.6	461.0	447.4	420.3	406.8	400.0	400.0
152.5°	718.6	650.8	596.6	569.5	555.9	528.8	508.5	501.7	508.5
155°	901.7	820.3	766.1	732.2	705.1	671.2	657.6	650.8	637.3
157.5°	1159.3	1050.8	969.5	942.3	908.5	874.6	854.2	833.9	820.3
160°	1437.2	1315.2	1240.6	1206.7	1166.1	1111.8	1084.7	1057.6	1044.0
162.5°	1742.3	1640.6	1552.5	1498.3	1477.9	1410.1	1383.0	1349.1	1355.9
165°	2081.3	1972.8	1905.0	1864.4	1810.1	1776.2	1755.9	1708.4	1688.1
167.5°	2440.6	2318.6	2284.7	2230.4	2183.0	2135.5	2135.5	2115.2	2094.9
170°	2711.8	2684.7	2644.0	2583.0	2576.2	2542.3	2542.3	2522.0	2528.7
172.5°	2969.4	2928.7	2928.7	2908.4	2888.1	2874.5	2840.6	2854.2	2854.2
175°	3227.0	3206.7	3193.1	3138.9	3152.5	3152.5	3132.1	3132.1	3145.7
177.5°	3437.2	3437.2	3423.6	3416.9	3410.1	3416.9	3423.6	3430.4	3416.9
180°	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9	3538.9

(END OF REPORT)