

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: P508450

Luminaire Tested: **ASYX-X-S3-X-U-HSS-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508450  
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-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

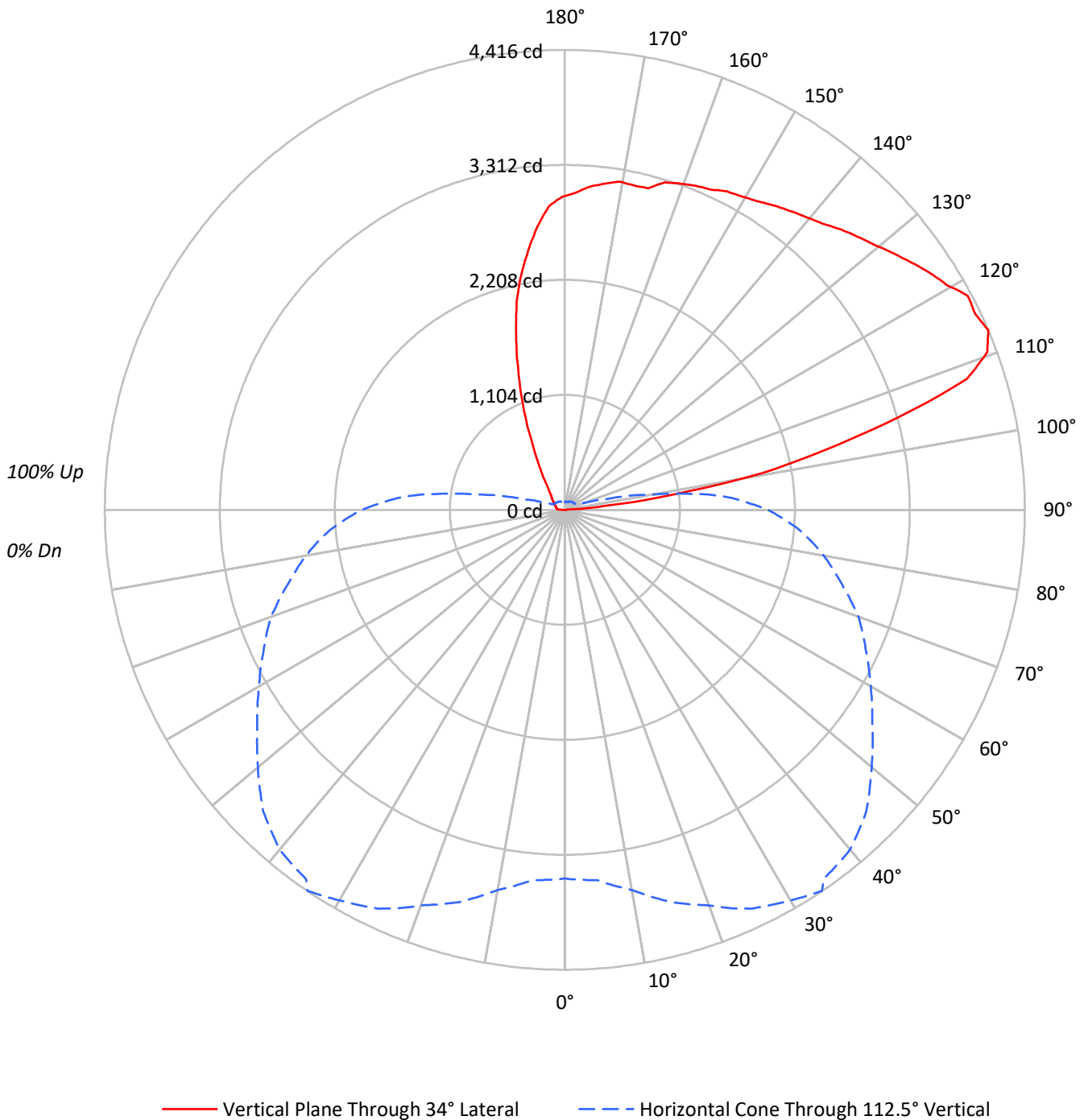
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10350.5 lumens  
Efficiency: N/A  
Efficacy: 64.6 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: P508450  
CATALOG NUMBER: ASYX-X-S3-X-U-HSS-L40-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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									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°	955	11379	13272
100°	38548	23315	7141
105°	118128	37036	4469
110°	135538	63539	3139
115°	123572	74300	2737
120°	105771	71891	2644
125°	88887	69007	2737
130°	80216	64663	2956
135°	71050	60299	3156
140°	65693	55120	3560
145°	60121	51042	4035
150°	56963	47231	5630
155°	53519	44949	8570
160°	51091	43792	13543
165°	48932	43286	21301
170°	47239	43213	31298
175°	45372	43134	38488



TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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°	201.3	1.9
100°-110°	1261.5	12.2
110°-120°	1949.9	18.8
120°-130°	1881.8	18.2
130°-140°	1634.3	15.8
140°-150°	1347.1	13.0
150°-160°	1061.5	10.3
160°-170°	736.4	7.1
170°-180°	276.8	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°	3412.7	33.0
90°-150°	8275.9	80.0
90°-180°	10351.0	100.0
0°-180°	10350.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	6	52	69	63	81	98
105°	2130	3420	668	86	81	2090
115°	3639	4151	2188	109	81	3539
125°	3552	4048	2758	144	109	3249
135°	3501	3714	2971	202	156	2722
145°	3432	3472	2913	409	230	2176
155°	3380	3334	2838	1002	541	1557
165°	3293	3201	2913	1981	1434	935
175°	3149	3092	2994	2798	2672	302
180°	3006	3006	3006	3006	3006	



TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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	5.8	5.8	17.3	11.5	11.5	17.3	23.0	28.8	11.5
95°	5.8	5.8	11.5	149.7	449.1	495.2	472.1	454.9	397.3	345.5	86.4
97.5°	120.9	143.9	230.3	616.1	1249.4	1439.4	1531.5	1255.2	1030.6	955.8	512.4
100°	466.4	541.2	748.5	1416.4	2113.0	2159.1	2141.8	2084.3	1917.3	1807.9	1387.6
102.5°	1243.6	1295.5	1583.3	2176.4	2556.4	2637.0	2637.0	2585.2	2567.9	2533.3	2400.9
105°	2130.3	2187.9	2418.2	2723.3	2953.6	3040.0	3086.1	3201.2	3316.4	3333.6	3460.3
107.5°	2723.3	2780.9	2959.4	3189.7	3489.1	3598.5	3730.9	3915.2	4059.1	4041.8	4013.0
110°	3230.0	3293.3	3460.3	3690.6	3909.4	4041.8	4168.5	4249.1	4329.7	4249.1	4208.8
112.5°	3540.9	3569.7	3707.9	3897.9	4041.8	4139.7	4226.1	4329.7	4416.1	4329.7	4260.6
115°	3638.8	3656.1	3777.0	3909.4	4064.9	4157.0	4220.3	4329.7	4364.3	4347.0	4289.4
117.5°	3633.0	3707.9	3811.5	3903.7	4053.3	4128.2	4191.5	4277.9	4381.5	4335.5	4277.9
120°	3684.9	3690.6	3800.0	3909.4	4018.8	4082.1	4082.1	4208.8	4254.9	4243.3	4231.8
122.5°	3667.6	3684.9	3777.0	3846.1	3961.2	4013.0	4064.9	4128.2	4180.0	4162.7	4162.7
125°	3552.4	3661.8	3713.7	3794.3	3903.7	3938.2	3990.0	4041.8	4087.9	4070.6	4064.9
127.5°	3621.5	3627.3	3673.3	3759.7	3828.8	3851.8	3909.4	3955.5	4001.5	3995.8	4007.3
130°	3592.7	3575.5	3684.9	3719.4	3771.2	3811.5	3840.3	3880.6	3915.2	3915.2	3926.7
132.5°	3569.7	3569.7	3604.3	3673.3	3719.4	3748.2	3794.3	3805.8	3846.1	3857.6	3834.6
135°	3500.6	3546.7	3598.5	3621.5	3673.3	3696.4	3719.4	3742.4	3777.0	3788.5	3748.2
137.5°	3431.5	3500.6	3569.7	3604.3	3644.6	3644.6	3644.6	3679.1	3696.4	3713.7	3673.3
140°	3506.4	3500.6	3564.0	3558.2	3581.2	3575.5	3615.8	3621.5	3644.6	3633.0	3610.0
142.5°	3489.1	3489.1	3506.4	3529.4	3523.6	3535.2	3564.0	3592.7	3592.7	3604.3	3564.0
145°	3431.5	3448.8	3477.6	3500.6	3500.6	3494.9	3529.4	3535.2	3546.7	3540.9	3517.9
147.5°	3454.6	3454.6	3454.6	3483.3	3483.3	3483.3	3489.1	3494.9	3494.9	3500.6	3483.3
150°	3437.3	3443.0	3454.6	3443.0	3471.8	3425.8	3454.6	3454.6	3454.6	3460.3	3448.8
152.5°	3322.1	3402.7	3431.5	3425.8	3402.7	3414.3	3420.0	3443.0	3431.5	3443.0	3408.5
155°	3379.7	3374.0	3379.7	3385.5	3368.2	3379.7	3385.5	3385.5	3379.7	3385.5	3356.7
157.5°	3362.4	3356.7	3385.5	3350.9	3368.2	3379.7	3356.7	3374.0	3356.7	3379.7	3368.2
160°	3345.2	3333.6	3356.7	3333.6	3356.7	3327.9	3310.6	3339.4	3322.1	3362.4	3304.9
162.5°	3322.1	3316.4	3339.4	3310.6	3287.6	3276.1	3293.3	3299.1	3287.6	3299.1	3270.3
165°	3293.3	3293.3	3293.3	3264.6	3281.8	3281.8	3258.8	3264.6	3189.7	3270.3	3235.8
167.5°	3270.3	3293.3	3264.6	3235.8	3270.3	3270.3	3230.0	3235.8	3184.0	3224.3	3207.0
170°	3241.5	3218.5	3224.3	3224.3	3253.0	3201.2	3172.4	3224.3	3195.5	3224.3	3195.5
172.5°	3172.4	3195.5	3195.5	3184.0	3166.7	3166.7	3160.9	3172.4	3155.2	3160.9	3143.6
175°	3149.4	3149.4	3160.9	3178.2	3143.6	3137.9	3103.3	3132.1	3114.9	3126.4	3109.1
177.5°	3063.0	3109.1	3103.3	3063.0	3086.1	3051.5	3068.8	3080.3	3045.8	3074.6	3045.8
180°	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5



TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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°	11.5	11.5	11.5	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
95°	51.8	69.1	167.0	138.2	103.6	97.9	109.4	97.9	86.4	74.8	69.1
97.5°	414.5	466.4	489.4	431.8	426.1	391.5	351.2	264.8	241.8	213.0	167.0
100°	1134.2	1007.6	944.2	840.6	679.4	616.1	564.2	466.4	380.0	333.9	282.1
102.5°	2170.6	1934.6	1629.4	1307.0	1065.2	973.0	869.4	725.5	610.3	506.7	420.3
105°	3420.0	2970.9	2377.9	1946.1	1623.6	1422.1	1330.0	1099.7	909.7	794.5	667.9
107.5°	3834.6	3546.7	3178.2	2729.1	2349.1	2164.9	1963.3	1658.2	1416.4	1203.3	1013.3
110°	4007.3	3759.7	3483.3	3218.5	2959.4	2792.4	2654.3	2343.3	2043.9	1779.1	1514.2
112.5°	4093.7	3846.1	3604.3	3391.2	3189.7	3097.6	2999.7	2752.1	2521.8	2268.5	1951.8
115°	4151.2	3955.5	3742.4	3517.9	3362.4	3264.6	3178.2	2953.6	2740.6	2510.3	2187.9
117.5°	4180.0	3984.3	3828.8	3644.6	3483.3	3402.7	3310.6	3109.1	2896.1	2683.0	2360.6
120°	4145.5	4013.0	3886.4	3730.9	3575.5	3494.9	3420.0	3218.5	3022.7	2821.2	2504.6
122.5°	4099.4	4024.6	3926.7	3771.2	3656.1	3587.0	3523.6	3322.1	3149.4	2919.1	2631.2
125°	4047.6	3972.7	3869.1	3771.2	3679.1	3627.3	3581.2	3402.7	3224.3	3028.5	2757.9
127.5°	3967.0	3897.9	3817.3	3736.7	3667.6	3615.8	3598.5	3443.0	3276.1	3103.3	2827.0
130°	3880.6	3823.0	3754.0	3673.3	3627.3	3569.7	3575.5	3437.3	3304.9	3143.6	2896.1
132.5°	3765.5	3725.2	3707.9	3621.5	3575.5	3546.7	3506.4	3414.3	3304.9	3178.2	2942.1
135°	3713.7	3673.3	3644.6	3569.7	3500.6	3489.1	3431.5	3379.7	3287.6	3195.5	2970.9
137.5°	3621.5	3598.5	3581.2	3500.6	3431.5	3431.5	3414.3	3345.2	3264.6	3137.9	2947.9
140°	3581.2	3552.4	3506.4	3443.0	3402.7	3368.2	3350.9	3293.3	3195.5	3097.6	2942.1
142.5°	3512.1	3489.1	3477.6	3420.0	3356.7	3322.1	3287.6	3224.3	3155.2	3086.1	2919.1
145°	3471.8	3466.1	3454.6	3397.0	3299.1	3281.8	3270.3	3201.2	3137.9	3028.5	2913.3
147.5°	3420.0	3425.8	3414.3	3345.2	3281.8	3241.5	3212.7	3149.4	3103.3	3011.2	2867.3
150°	3385.5	3391.2	3379.7	3293.3	3224.3	3207.0	3195.5	3132.1	3045.8	2970.9	2850.0
152.5°	3368.2	3350.9	3322.1	3287.6	3212.7	3172.4	3160.9	3091.8	3045.8	2953.6	2838.5
155°	3333.6	3310.6	3293.3	3235.8	3189.7	3149.4	3120.6	3080.3	3028.5	2936.4	2838.5
157.5°	3299.1	3276.1	3264.6	3253.0	3189.7	3132.1	3126.4	3080.3	2999.7	2930.6	2850.0
160°	3264.6	3207.0	3253.0	3184.0	3166.7	3120.6	3086.1	3057.3	2999.7	2936.4	2867.3
162.5°	3230.0	3212.7	3207.0	3166.7	3132.1	3103.3	3051.5	3068.8	2999.7	2942.1	2890.3
165°	3201.2	3184.0	3178.2	3166.7	3114.9	3091.8	3080.3	3045.8	3017.0	2959.4	2913.3
167.5°	3172.4	3143.6	3155.2	3143.6	3080.3	3097.6	3068.8	3045.8	3028.5	2982.4	2936.4
170°	3166.7	3109.1	3137.9	3132.1	3086.1	3080.3	3045.8	3040.0	3022.7	2988.2	2965.2
172.5°	3137.9	3097.6	3114.9	3097.6	3074.6	3057.3	3057.3	3063.0	3034.3	3011.2	2982.4
175°	3091.8	3068.8	3074.6	3091.8	3057.3	3045.8	3017.0	3040.0	3045.8	3005.5	2994.0
177.5°	3040.0	3063.0	3045.8	3068.8	3040.0	3034.3	3017.0	3034.3	3034.3	2999.7	2999.7
180°	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5



TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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°	17.3	23.0	23.0	28.8	34.5	34.5	40.3	40.3	46.1	51.8	57.6
95°	34.5	28.8	34.5	40.3	40.3	46.1	51.8	51.8	57.6	63.3	63.3
97.5°	69.1	46.1	46.1	46.1	51.8	51.8	57.6	63.3	69.1	69.1	69.1
100°	132.4	74.8	74.8	57.6	57.6	63.3	63.3	69.1	74.8	74.8	74.8
102.5°	230.3	138.2	109.4	74.8	69.1	69.1	74.8	74.8	80.6	80.6	80.6
105°	431.8	276.4	155.5	92.1	86.4	80.6	80.6	80.6	86.4	86.4	86.4
107.5°	760.0	443.3	218.8	120.9	103.6	92.1	92.1	92.1	92.1	92.1	92.1
110°	1157.3	650.6	299.4	155.5	126.7	109.4	103.6	103.6	97.9	97.9	97.9
112.5°	1520.0	852.1	380.0	190.0	149.7	126.7	115.2	109.4	109.4	103.6	97.9
115°	1750.3	1001.8	460.6	218.8	172.7	143.9	120.9	120.9	115.2	109.4	103.6
117.5°	1917.3	1157.3	558.5	264.8	201.5	167.0	132.4	126.7	120.9	120.9	115.2
120°	2078.5	1318.5	662.1	316.7	241.8	190.0	149.7	138.2	132.4	126.7	120.9
122.5°	2233.9	1473.9	777.3	380.0	282.1	224.5	167.0	149.7	143.9	132.4	132.4
125°	2354.9	1635.2	909.7	460.6	339.7	264.8	190.0	161.2	149.7	143.9	138.2
127.5°	2487.3	1796.4	1047.9	547.0	403.0	316.7	218.8	178.5	167.0	155.5	149.7
130°	2585.2	1951.8	1197.6	662.1	495.2	380.0	259.1	201.5	178.5	167.0	161.2
132.5°	2660.0	2084.3	1347.3	788.8	604.5	460.6	310.9	241.8	201.5	184.2	172.7
135°	2683.0	2199.4	1502.7	927.0	719.7	564.2	380.0	287.9	230.3	201.5	190.0
137.5°	2706.1	2291.5	1652.4	1082.4	869.4	690.9	460.6	345.5	276.4	236.1	207.3
140°	2694.6	2360.6	1796.4	1255.2	1024.9	829.1	570.0	420.3	333.9	282.1	241.8
142.5°	2688.8	2418.2	1946.1	1416.4	1186.1	990.3	702.4	518.2	408.8	333.9	287.9
145°	2700.3	2458.5	2055.5	1589.1	1376.1	1174.5	863.6	633.3	500.9	408.8	357.0
147.5°	2660.0	2481.5	2187.9	1738.8	1543.0	1347.3	1036.4	788.8	627.6	512.4	437.6
150°	2694.6	2493.0	2245.5	1888.5	1704.2	1525.8	1226.4	967.3	783.0	644.9	552.7
152.5°	2688.8	2504.6	2308.8	2020.9	1865.5	1698.5	1399.1	1145.8	950.0	806.1	696.7
155°	2717.6	2510.3	2372.1	2153.3	2015.2	1865.5	1594.9	1353.0	1145.8	1001.8	875.2
157.5°	2740.6	2585.2	2447.0	2274.3	2153.3	2026.7	1796.4	1571.8	1376.1	1226.4	1070.9
160°	2775.2	2625.5	2504.6	2372.1	2291.5	2159.1	1992.1	1813.6	1623.6	1462.4	1335.8
162.5°	2792.4	2688.8	2585.2	2452.7	2400.9	2308.8	2170.6	2038.2	1877.0	1727.3	1606.4
165°	2827.0	2723.3	2654.3	2544.9	2493.0	2412.4	2326.1	2205.2	2107.3	1980.6	1888.5
167.5°	2861.5	2792.4	2734.9	2648.5	2602.4	2544.9	2470.0	2389.4	2337.6	2239.7	2147.6
170°	2896.1	2838.5	2809.7	2769.4	2700.3	2654.3	2619.7	2562.1	2493.0	2447.0	2395.2
172.5°	2924.9	2901.8	2884.6	2873.0	2804.0	2769.4	2746.4	2683.0	2683.0	2619.7	2579.4
175°	2970.9	2896.1	2947.9	2919.1	2896.1	2867.3	2855.8	2838.5	2821.2	2798.2	2775.2
177.5°	2994.0	2982.4	2994.0	2982.4	2976.7	2947.9	2965.2	2947.9	2942.1	2936.4	2919.1
180°	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5





TEST NUMBER: P508450

CATALOG NUMBER: ASYX-X-S3-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°	63.3	63.3	69.1	69.1	69.1	69.1	74.8	69.1	63.3
95°	69.1	74.8	74.8	74.8	80.6	80.6	80.6	80.6	80.6
97.5°	74.8	74.8	80.6	80.6	80.6	86.4	86.4	86.4	86.4
100°	80.6	80.6	80.6	86.4	86.4	86.4	86.4	86.4	86.4
102.5°	80.6	80.6	80.6	86.4	86.4	86.4	86.4	86.4	86.4
105°	86.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
107.5°	86.4	86.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
110°	92.1	86.4	80.6	80.6	80.6	80.6	80.6	80.6	74.8
112.5°	97.9	92.1	86.4	80.6	80.6	80.6	80.6	74.8	74.8
115°	103.6	97.9	92.1	92.1	86.4	86.4	86.4	80.6	80.6
117.5°	109.4	103.6	97.9	97.9	92.1	92.1	86.4	86.4	86.4
120°	115.2	115.2	109.4	103.6	103.6	97.9	97.9	92.1	92.1
122.5°	126.7	115.2	115.2	115.2	115.2	109.4	103.6	103.6	103.6
125°	132.4	126.7	126.7	126.7	120.9	120.9	115.2	109.4	109.4
127.5°	143.9	138.2	138.2	132.4	132.4	126.7	126.7	120.9	120.9
130°	155.5	149.7	143.9	143.9	143.9	138.2	138.2	132.4	132.4
132.5°	167.0	161.2	161.2	155.5	155.5	149.7	149.7	143.9	143.9
135°	184.2	172.7	172.7	172.7	167.0	161.2	161.2	161.2	155.5
137.5°	195.8	190.0	184.2	178.5	178.5	178.5	172.7	172.7	172.7
140°	224.5	207.3	201.5	195.8	195.8	190.0	190.0	190.0	190.0
142.5°	259.1	241.8	224.5	218.8	213.0	207.3	207.3	201.5	201.5
145°	316.7	287.9	264.8	259.1	247.6	236.1	236.1	230.3	230.3
147.5°	385.8	351.2	322.4	310.9	305.2	293.6	282.1	276.4	270.6
150°	483.6	431.8	403.0	391.5	380.0	357.0	345.5	339.7	339.7
152.5°	610.3	552.7	506.7	483.6	472.1	449.1	431.8	426.1	431.8
155°	765.8	696.7	650.6	621.8	598.8	570.0	558.5	552.7	541.2
157.5°	984.5	892.4	823.3	800.3	771.5	742.7	725.5	708.2	696.7
160°	1220.6	1117.0	1053.6	1024.9	990.3	944.2	921.2	898.2	886.7
162.5°	1479.7	1393.3	1318.5	1272.4	1255.2	1197.6	1174.5	1145.8	1151.5
165°	1767.6	1675.5	1617.9	1583.3	1537.3	1508.5	1491.2	1450.9	1433.6
167.5°	2072.7	1969.1	1940.3	1894.2	1853.9	1813.6	1813.6	1796.4	1779.1
170°	2303.0	2280.0	2245.5	2193.6	2187.9	2159.1	2159.1	2141.8	2147.6
172.5°	2521.8	2487.3	2487.3	2470.0	2452.7	2441.2	2412.4	2423.9	2423.9
175°	2740.6	2723.3	2711.8	2665.8	2677.3	2677.3	2660.0	2660.0	2671.5
177.5°	2919.1	2919.1	2907.6	2901.8	2896.1	2901.8	2907.6	2913.3	2901.8
180°	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5	3005.5

(END OF REPORT)