

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: P508377

Luminaire Tested: **ASYX-X-L4-X-U-W-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-2)  
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-W-L35-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(4) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

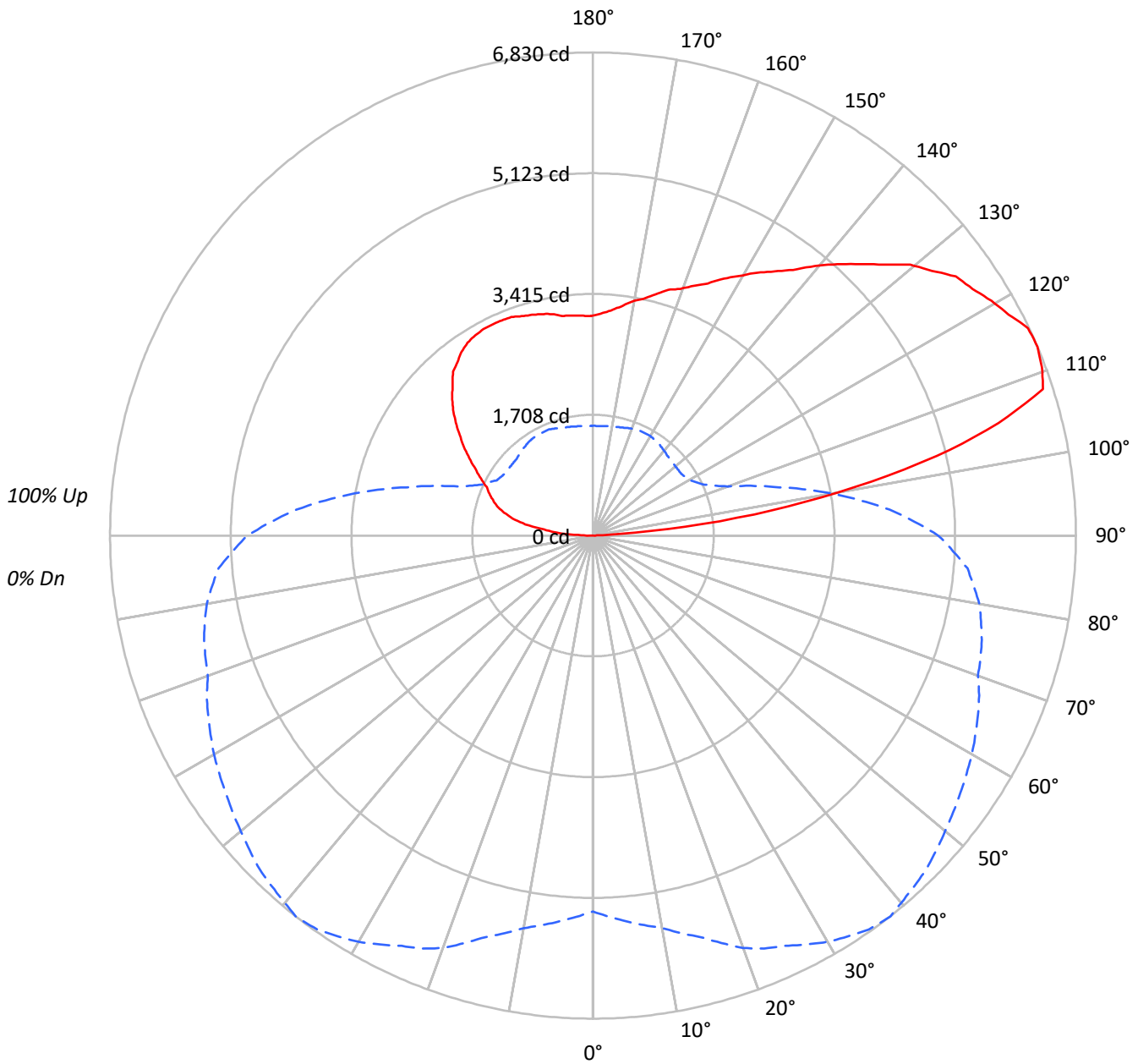
Lumens per Lamp: N/A  
Luminaire Lumens: 20534.3 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Indirect

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: P508377  
CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot



— Vertical Plane Through 38° Lateral      - - - Horizontal Cone Through 112.5° Vertical



TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-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°	47659	53056	67444
100°	129993	100654	61386
105°	130218	107506	56328
110°	145062	132228	47437
115°	153006	132605	39503
120°	143433	116784	36681
125°	125308	99891	36485
130°	107792	82916	37800
135°	91447	71162	38463
140°	76737	60571	39699
145°	64874	53296	39805
150°	55208	47243	39912
155°	48343	42289	38831
160°	43539	38535	37785
165°	39923	36271	36190
170°	37088	34541	34700
175°	34697	33674	33517



TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-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°	840.4	4.1
100°-110°	3042.1	14.8
110°-120°	4100.9	20.0
120°-130°	3903.1	19.0
130°-140°	3252.0	15.8
140°-150°	2463.6	12.0
150°-160°	1676.5	8.2
160°-170°	952.6	4.6
170°-180°	303.0	1.5
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°	7983.5	38.9
90°-150°	17602.1	85.7
90°-180°	20534.0	100.0
0°-180°	20534.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	386	1260	430	430	546	686
105°	3131	6393	2585	1143	1354	3397
115°	6007	6539	5206	1653	1551	5792
125°	6677	5978	5323	2221	1944	5959
135°	6007	5148	4675	2818	2527	4655
145°	4937	4391	4056	3204	3029	3123
155°	4070	3859	3561	3320	3270	1902
165°	3583	3473	3255	3233	3248	1022
175°	3211	3168	3116	3109	3102	313
180°	3102	3102	3102	3102	3102	



TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-UNV-X-X-X-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	38°	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°	58.3	58.3	58.3	65.5	72.8	80.1	80.1	101.9	131.1	138.4	160.2
95°	385.9	444.2	662.6	764.6	771.9	793.7	793.7	1004.9	1252.4	1310.7	1368.9
97.5°	1034.0	1106.8	1339.8	1521.9	1784.0	1856.8	1944.2	2119.0	2388.4	2548.6	2628.7
100°	2097.1	2111.7	2235.5	2402.9	2686.9	2847.1	3043.7	3524.3	3764.6	3764.6	3677.2
102.5°	2657.8	2672.4	2781.6	2941.8	3276.7	3517.0	3742.8	4325.3	4813.2	4995.2	5068.0
105°	3131.1	3182.1	3298.6	3524.3	3932.1	4201.5	4412.7	5075.3	5643.3	5956.4	6196.7
107.5°	3735.5	3815.6	4012.2	4274.3	4762.2	5075.3	5344.7	5883.6	6378.7	6691.8	6684.5
110°	4609.3	4653.0	4856.9	5199.1	5621.4	5869.0	6036.5	6415.1	6750.1	6779.2	6793.8
112.5°	5315.6	5475.8	5636.0	5876.3	6204.0	6320.5	6400.6	6633.6	6801.1	6830.2	6779.2
115°	6007.4	6065.6	6145.7	6305.9	6458.8	6575.3	6589.9	6713.7	6750.1	6815.6	6699.1
117.5°	6437.0	6466.1	6473.4	6531.6	6611.7	6677.3	6662.7	6699.1	6742.8	6655.4	6597.2
120°	6662.7	6691.8	6640.9	6662.7	6684.5	6699.1	6670.0	6684.5	6604.5	6538.9	6473.4
122.5°	6750.1	6742.8	6691.8	6691.8	6662.7	6655.4	6597.2	6546.2	6487.9	6400.6	6320.5
125°	6677.3	6706.4	6640.9	6589.9	6524.4	6633.6	6487.9	6437.0	6335.0	6305.9	6153.0
127.5°	6582.6	6640.9	6531.6	6480.7	6415.1	6393.3	6305.9	6233.1	6160.3	6080.2	5978.2
130°	6437.0	6458.8	6356.9	6305.9	6240.4	6174.8	6160.3	6000.1	5949.1	5898.1	5759.8
132.5°	6291.3	6254.9	6153.0	6087.5	6007.4	5970.9	5934.5	5796.2	5723.4	5614.1	5541.3
135°	6007.4	6014.6	5920.0	5847.2	5737.9	5737.9	5672.4	5570.5	5475.8	5381.1	5286.5
137.5°	5737.9	5788.9	5650.6	5585.0	5526.8	5483.1	5395.7	5301.0	5199.1	5162.7	5089.9
140°	5461.2	5468.5	5359.3	5301.0	5257.3	5177.2	5126.3	5038.9	5002.5	4937.0	4835.0
142.5°	5220.9	5191.8	5104.4	5038.9	4995.2	4937.0	4907.8	4820.4	4762.2	4703.9	4667.5
145°	4937.0	4929.7	4827.7	4784.0	4747.6	4725.8	4674.8	4609.3	4580.2	4529.2	4529.2
147.5°	4696.7	4660.3	4602.0	4551.0	4507.3	4485.5	4485.5	4369.0	4390.8	4383.5	4318.0
150°	4441.8	4434.5	4354.4	4332.6	4296.2	4310.7	4296.2	4245.2	4245.2	4216.1	4172.4
152.5°	4237.9	4237.9	4172.4	4157.8	4143.3	4136.0	4106.8	4085.0	4085.0	4077.7	4026.7
155°	4070.4	4070.4	4019.5	4012.2	3990.3	3983.1	3968.5	3946.7	3932.1	3917.5	3873.8
157.5°	3932.1	3924.8	3866.6	3873.8	3852.0	3852.0	3844.7	3801.0	3815.6	3808.3	3779.2
160°	3801.0	3793.7	3735.5	3757.3	3742.8	3742.8	3742.8	3713.6	3699.1	3699.1	3633.5
162.5°	3684.5	3699.1	3640.8	3633.5	3640.8	3640.8	3611.7	3589.9	3611.7	3633.5	3568.0
165°	3582.6	3568.0	3546.2	3538.9	3524.3	3509.8	3524.3	3509.8	3495.2	3524.3	3502.5
167.5°	3480.6	3495.2	3451.5	3436.9	3436.9	3466.1	3444.2	3415.1	3429.7	3422.4	3378.7
170°	3393.2	3407.8	3349.6	3349.6	3349.6	3349.6	3327.7	3305.9	3342.3	3356.8	3305.9
172.5°	3305.9	3327.7	3276.7	3269.5	3262.2	3276.7	3262.2	3240.3	3284.0	3262.2	3240.3
175°	3211.2	3247.6	3196.6	3189.4	3203.9	3203.9	3189.4	3174.8	3203.9	3189.4	3174.8
177.5°	3167.5	3167.5	3116.5	3123.8	3123.8	3116.5	3138.4	3131.1	3138.4	3138.4	3167.5
180°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0



TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-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°	167.5	196.6	211.2	116.5	116.5	131.1	123.8	109.2	94.7	87.4	87.4
95°	1259.7	1194.2	1230.6	1106.8	961.2	844.7	837.4	844.7	582.5	436.9	429.6
97.5°	2708.8	2679.6	2453.9	2104.4	2002.5	2009.7	1885.9	1565.6	1310.7	1121.4	968.5
100°	3524.3	3429.7	3327.7	3400.5	3196.6	3036.4	2810.7	2526.7	2228.2	1973.3	1623.8
102.5°	5024.3	4878.7	4507.3	4099.6	3691.8	3546.2	3378.7	3058.3	2745.2	2446.6	2089.8
105°	6393.3	6145.7	5519.5	4937.0	4383.5	4216.1	3997.6	3640.8	3276.7	2978.2	2585.0
107.5°	6721.0	6538.9	6189.4	5796.2	5315.6	5038.9	4835.0	4449.1	4106.8	3699.1	3247.6
110°	6750.1	6568.0	6349.6	6080.2	5847.2	5687.0	5555.9	5264.6	5017.1	4660.3	4201.5
112.5°	6670.0	6502.5	6342.3	6189.4	6007.4	5912.7	5796.2	5694.2	5548.6	5315.6	4886.0
115°	6538.9	6393.3	6247.7	6116.6	6029.2	5985.5	5927.3	5847.2	5767.1	5592.3	5206.4
117.5°	6415.1	6247.7	6116.6	6072.9	5992.8	5927.3	5920.0	5905.4	5854.4	5767.1	5395.7
120°	6291.3	6160.3	6029.2	5934.5	5905.4	5898.1	5898.1	5854.4	5869.0	5796.2	5424.8
122.5°	6094.7	5992.8	5883.6	5839.9	5716.1	5745.2	5759.8	5730.7	5788.9	5737.9	5388.4
125°	5978.2	5876.3	5737.9	5672.4	5650.6	5621.4	5650.6	5599.6	5628.7	5592.3	5322.9
127.5°	5781.6	5650.6	5577.7	5526.8	5512.2	5410.3	5461.2	5468.5	5475.8	5417.5	5177.2
130°	5570.5	5497.6	5330.2	5352.0	5352.0	5315.6	5322.9	5293.8	5279.2	5228.2	4951.5
132.5°	5417.5	5322.9	5213.7	5184.5	5155.4	5148.1	5148.1	5097.2	5097.2	5031.6	4849.6
135°	5148.1	5082.6	5038.9	5009.8	5002.5	4973.4	4973.4	4922.4	4915.1	4856.9	4674.8
137.5°	4958.8	4893.3	4856.9	4835.0	4813.2	4762.2	4791.3	4747.6	4703.9	4689.4	4514.6
140°	4769.5	4718.5	4689.4	4653.0	4645.7	4616.6	4616.6	4565.6	4551.0	4485.5	4310.7
142.5°	4609.3	4580.2	4521.9	4507.3	4456.4	4463.6	4427.2	4434.5	4376.3	4303.5	4165.1
145°	4390.8	4398.1	4369.0	4339.9	4332.6	4288.9	4296.2	4252.5	4216.1	4165.1	4055.9
147.5°	4274.3	4274.3	4230.6	4194.2	4165.1	4157.8	4121.4	4128.7	4070.4	3997.6	3924.8
150°	4121.4	4106.8	4063.2	4041.3	4019.5	4019.5	3983.1	3961.2	3917.5	3895.7	3801.0
152.5°	4012.2	3975.8	3953.9	3910.2	3910.2	3873.8	3844.7	3830.1	3793.7	3750.0	3677.2
155°	3859.3	3844.7	3815.6	3808.3	3779.2	3750.0	3699.1	3691.8	3669.9	3626.3	3560.7
157.5°	3735.5	3757.3	3713.6	3691.8	3648.1	3640.8	3589.9	3597.1	3553.4	3524.3	3466.1
160°	3677.2	3640.8	3597.1	3589.9	3575.3	3517.0	3509.8	3487.9	3458.8	3436.9	3364.1
162.5°	3546.2	3538.9	3517.0	3502.5	3451.5	3451.5	3364.1	3400.5	3378.7	3356.8	3320.4
165°	3473.3	3480.6	3429.7	3415.1	3400.5	3371.4	3349.6	3327.7	3305.9	3291.3	3254.9
167.5°	3378.7	3364.1	3349.6	3320.4	3327.7	3305.9	3284.0	3269.5	3254.9	3240.3	3211.2
170°	3298.6	3291.3	3276.7	3254.9	3262.2	3240.3	3240.3	3211.2	3203.9	3196.6	3160.2
172.5°	3233.0	3233.0	3218.5	3218.5	3211.2	3189.4	3174.8	3160.2	3160.2	3145.7	3138.4
175°	3167.5	3174.8	3167.5	3160.2	3160.2	3145.7	3145.7	3153.0	3138.4	3138.4	3116.5
177.5°	3116.5	3116.5	3116.5	3116.5	3116.5	3116.5	3116.5	3109.3	3116.5	3109.3	3087.4
180°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0



TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-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°	94.7	101.9	109.2	116.5	138.4	131.1	152.9	160.2	174.8	203.9	211.2
95°	385.9	385.9	378.6	378.6	364.1	364.1	356.8	349.5	385.9	429.6	487.9
97.5°	793.7	677.2	618.9	597.1	589.8	582.5	568.0	546.1	560.7	597.1	669.9
100°	1339.8	1106.8	917.5	808.3	786.4	750.0	735.4	728.2	728.2	801.0	917.5
102.5°	1733.0	1390.8	1143.2	983.0	939.3	902.9	881.1	881.1	895.6	983.0	1114.1
105°	2191.8	1754.9	1376.2	1165.1	1128.7	1077.7	1041.3	1048.6	1063.1	1143.2	1259.7
107.5°	2745.2	2220.9	1769.4	1441.8	1361.7	1288.9	1230.6	1230.6	1237.9	1288.9	1376.2
110°	3575.3	2898.1	2220.9	1733.0	1602.0	1521.9	1383.5	1383.5	1376.2	1412.6	1470.9
112.5°	4208.8	3422.4	2650.5	2024.3	1842.3	1711.2	1565.6	1521.9	1521.9	1529.1	1565.6
115°	4587.4	3771.9	2949.1	2293.7	2053.4	1893.2	1711.2	1660.2	1638.4	1652.9	1638.4
117.5°	4805.9	3983.1	3203.9	2490.3	2264.6	2082.6	1856.8	1791.3	1754.9	1784.0	1776.7
120°	4915.1	4172.4	3407.8	2694.2	2461.2	2250.0	2009.7	1944.2	1915.1	1915.1	1922.4
122.5°	4929.7	4274.3	3524.3	2876.2	2643.2	2439.4	2191.8	2097.1	2068.0	2075.3	2075.3
125°	4878.7	4259.8	3633.5	3021.9	2796.2	2592.3	2337.4	2257.3	2191.8	2220.9	2228.2
127.5°	4798.6	4223.4	3699.1	3138.4	2934.5	2752.5	2519.4	2424.8	2366.5	2381.1	2373.8
130°	4682.1	4179.7	3757.3	3240.3	3065.6	2883.5	2679.6	2592.3	2512.2	2519.4	2526.7
132.5°	4565.6	4165.1	3786.5	3320.4	3174.8	3021.9	2818.0	2730.6	2657.8	2665.1	2665.1
135°	4441.8	4128.7	3750.0	3371.4	3298.6	3138.4	2970.9	2876.2	2818.0	2818.0	2803.4
137.5°	4310.7	4041.3	3779.2	3473.3	3371.4	3240.3	3072.9	3000.0	2941.8	2934.5	2927.2
140°	4194.2	3946.7	3742.8	3495.2	3422.4	3320.4	3182.1	3123.8	3043.7	3029.2	3072.9
142.5°	4077.7	3903.0	3779.2	3546.2	3473.3	3386.0	3284.0	3203.9	3145.7	3131.1	3123.8
145°	3961.2	3859.3	3720.9	3531.6	3502.5	3415.1	3305.9	3284.0	3218.5	3203.9	3203.9
147.5°	3844.7	3757.3	3655.4	3524.3	3524.3	3451.5	3400.5	3335.0	3284.0	3254.9	3254.9
150°	3742.8	3669.9	3619.0	3517.0	3509.8	3451.5	3407.8	3378.7	3320.4	3305.9	3298.6
152.5°	3648.1	3582.6	3538.9	3473.3	3466.1	3386.0	3400.5	3371.4	3313.1	3298.6	3298.6
155°	3531.6	3524.3	3473.3	3407.8	3436.9	3393.2	3356.8	3393.2	3305.9	3320.4	3320.4
157.5°	3451.5	3444.2	3436.9	3371.4	3378.7	3356.8	3335.0	3364.1	3291.3	3298.6	3298.6
160°	3364.1	3349.6	3349.6	3291.3	3335.0	3291.3	3298.6	3313.1	3269.5	3276.7	3298.6
162.5°	3320.4	3291.3	3291.3	3269.5	3284.0	3269.5	3233.0	3284.0	3276.7	3262.2	3269.5
165°	3247.6	3240.3	3254.9	3211.2	3247.6	3203.9	3218.5	3240.3	3225.8	3233.0	3240.3
167.5°	3203.9	3196.6	3203.9	3182.1	3203.9	3189.4	3182.1	3211.2	3196.6	3203.9	3211.2
170°	3167.5	3167.5	3174.8	3153.0	3174.8	3153.0	3174.8	3174.8	3167.5	3167.5	3182.1
172.5°	3153.0	3131.1	3153.0	3116.5	3153.0	3109.3	3123.8	3145.7	3138.4	3131.1	3131.1
175°	3123.8	3116.5	3138.4	3102.0	3123.8	3102.0	3102.0	3123.8	3116.5	3109.3	3138.4
177.5°	3123.8	3102.0	3123.8	3087.4	3109.3	3094.7	3094.7	3116.5	3102.0	3102.0	3123.8
180°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0





TEST NUMBER: P508377

CATALOG NUMBER: ASYX-X-L4-X-U-W-L35-1-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°	211.2	247.6	254.9	276.7	269.4	225.7	196.6	160.2	138.4
95°	553.4	611.7	669.9	662.6	684.5	640.8	597.1	575.2	546.1
97.5°	742.7	837.4	895.6	895.6	902.9	873.8	859.2	873.8	837.4
100°	1048.6	1114.1	1135.9	1128.7	1106.8	1055.8	1026.7	1012.1	990.3
102.5°	1230.6	1303.4	1325.3	1310.7	1296.1	1274.3	1245.2	1230.6	1223.3
105°	1354.4	1419.9	1449.0	1441.8	1434.5	1398.1	1339.8	1361.7	1354.4
107.5°	1470.9	1514.6	1543.7	1521.9	1514.6	1492.7	1456.3	1478.2	1449.0
110°	1543.7	1580.1	1587.4	1587.4	1572.8	1551.0	1521.9	1529.1	1507.3
112.5°	1602.0	1623.8	1623.8	1623.8	1609.2	1580.1	1565.6	1551.0	1551.0
115°	1667.5	1652.9	1660.2	1660.2	1645.7	1602.0	1580.1	1565.6	1551.0
117.5°	1784.0	1762.2	1740.3	1740.3	1703.9	1674.8	1652.9	1631.1	1609.2
120°	1893.2	1878.7	1864.1	1842.3	1820.4	1784.0	1747.6	1718.5	1703.9
122.5°	2038.9	2002.5	1980.6	1995.2	1951.5	1915.1	1871.4	1842.3	1805.8
125°	2199.1	2169.9	2133.5	2119.0	2082.6	2053.4	2017.0	1987.9	1944.2
127.5°	2337.4	2293.7	2279.2	2271.9	2228.2	2191.8	2133.5	2111.7	2111.7
130°	2497.6	2446.6	2453.9	2417.5	2381.1	2322.8	2264.6	2264.6	2257.3
132.5°	2650.5	2592.3	2585.0	2570.4	2526.7	2483.0	2446.6	2439.4	2410.2
135°	2774.3	2730.6	2723.3	2708.8	2672.4	2628.7	2570.4	2585.0	2526.7
137.5°	2883.5	2861.7	2854.4	2825.3	2788.9	2781.6	2716.1	2708.8	2672.4
140°	3007.3	2963.6	2992.8	2956.3	2912.7	2898.1	2810.7	2825.3	2825.3
142.5°	3094.7	3072.9	3065.6	3051.0	3021.9	2992.8	2970.9	2941.8	2956.3
145°	3182.1	3167.5	3153.0	3153.0	3109.3	3094.7	3051.0	3051.0	3029.2
147.5°	3254.9	3225.8	3225.8	3211.2	3189.4	3174.8	3131.1	3153.0	3116.5
150°	3254.9	3269.5	3254.9	3254.9	3262.2	3254.9	3218.5	3203.9	3211.2
152.5°	3313.1	3291.3	3276.7	3305.9	3269.5	3291.3	3240.3	3254.9	3240.3
155°	3284.0	3298.6	3305.9	3291.3	3291.3	3291.3	3269.5	3305.9	3269.5
157.5°	3313.1	3298.6	3305.9	3298.6	3284.0	3305.9	3284.0	3313.1	3291.3
160°	3298.6	3284.0	3298.6	3291.3	3276.7	3305.9	3305.9	3327.7	3298.6
162.5°	3247.6	3262.2	3298.6	3276.7	3276.7	3327.7	3247.6	3320.4	3276.7
165°	3233.0	3240.3	3254.9	3269.5	3240.3	3262.2	3262.2	3269.5	3247.6
167.5°	3218.5	3189.4	3218.5	3218.5	3225.8	3225.8	3225.8	3240.3	3211.2
170°	3189.4	3131.1	3189.4	3189.4	3174.8	3174.8	3167.5	3211.2	3174.8
172.5°	3138.4	3123.8	3145.7	3145.7	3160.2	3153.0	3153.0	3160.2	3138.4
175°	3109.3	3116.5	3145.7	3123.8	3116.5	3123.8	3102.0	3123.8	3102.0
177.5°	3094.7	3094.7	3102.0	3109.3	3123.8	3109.3	3087.4	3109.3	3087.4
180°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0

(END OF REPORT)