

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: P508369

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

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508369
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-L35-1-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

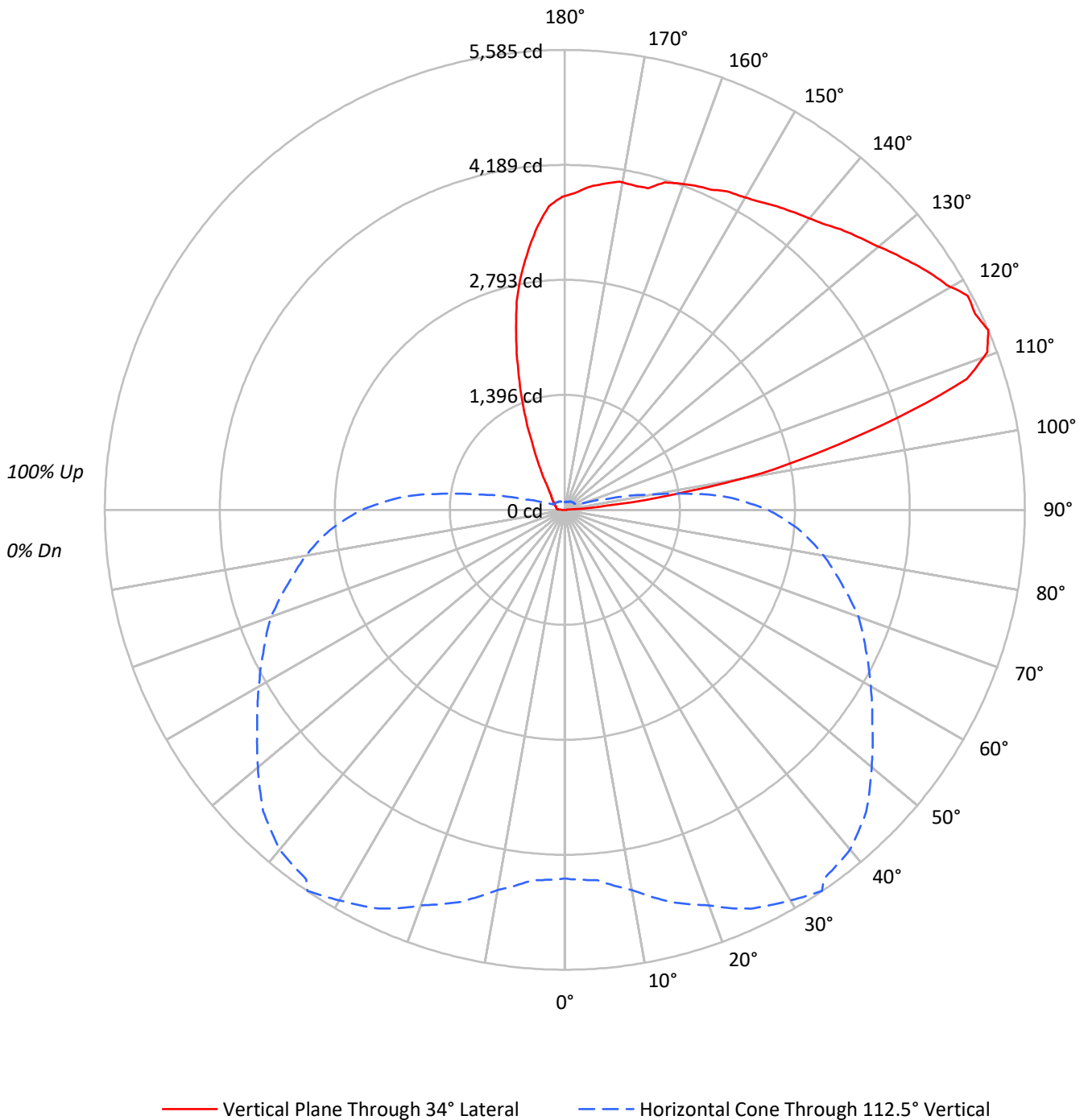
Lumens per Lamp: N/A
Luminaire Lumens: 13090.4 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

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: P508369
CATALOG NUMBER: ASYX-X-L4-X-U-HSS-L35-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508369

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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				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°	902	10794	12585
100°	36560	22117	6769
105°	112048	35130	4238
110°	128561	60271	2980
115°	117211	70474	2595
120°	100326	68189	2508
125°	84313	65455	2597
130°	76089	61334	2805
135°	67394	57195	2993
140°	62310	52283	3377
145°	57028	48415	3828
150°	54032	44799	5340
155°	50764	42636	8130
160°	48460	41538	12845
165°	46414	41059	20205
170°	44808	40988	29687
175°	43038	40913	36507



TEST NUMBER: P508369

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-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°	254.6	1.9
100°-110°	1595.4	12.2
110°-120°	2466.0	18.8
120°-130°	2379.9	18.2
130°-140°	2067.0	15.8
140°-150°	1703.6	13.0
150°-160°	1342.4	10.3
160°-170°	931.3	7.1
170°-180°	350.0	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°	4316.0	33.0
90°-150°	10466.5	80.0
90°-180°	13090.0	100.0
0°-180°	13090.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	7	66	87	80	102	123
105°	2694	4325	845	109	102	2644
115°	4602	5250	2767	138	102	4476
125°	4493	5119	3488	182	138	4109
135°	4427	4697	3757	255	197	3443
145°	4340	4391	3684	517	291	2751
155°	4274	4216	3590	1267	684	1970
165°	4165	4049	3684	2505	1813	1183
175°	3983	3910	3786	3539	3379	382
180°	3801	3801	3801	3801	3801	



TEST NUMBER: P508369

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-L35-1-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	7.3	7.3	21.8	14.6	14.6	21.8	29.1	36.4	14.6
95°	7.3	7.3	14.6	189.3	568.0	626.2	597.1	575.3	502.4	436.9	109.2
97.5°	152.9	182.0	291.3	779.1	1580.1	1820.4	1936.9	1587.4	1303.4	1208.8	648.1
100°	589.8	684.5	946.6	1791.3	2672.4	2730.6	2708.8	2636.0	2424.8	2286.4	1754.9
102.5°	1572.8	1638.4	2002.5	2752.5	3233.1	3335.0	3335.0	3269.5	3247.6	3203.9	3036.5
105°	2694.2	2767.0	3058.3	3444.2	3735.5	3844.7	3903.0	4048.6	4194.2	4216.1	4376.3
107.5°	3444.2	3517.0	3742.8	4034.0	4412.7	4551.0	4718.5	4951.5	5133.6	5111.7	5075.3
110°	4085.0	4165.1	4376.3	4667.5	4944.2	5111.7	5271.9	5373.9	5475.8	5373.9	5322.9
112.5°	4478.2	4514.6	4689.4	4929.7	5111.7	5235.5	5344.7	5475.8	5585.0	5475.8	5388.4
115°	4602.0	4623.9	4776.8	4944.2	5140.9	5257.4	5337.5	5475.8	5519.5	5497.7	5424.8
117.5°	4594.7	4689.4	4820.5	4937.0	5126.3	5221.0	5301.1	5410.3	5541.3	5483.1	5410.3
120°	4660.3	4667.5	4805.9	4944.2	5082.6	5162.7	5162.7	5322.9	5381.1	5366.6	5352.0
122.5°	4638.4	4660.3	4776.8	4864.2	5009.8	5075.3	5140.9	5221.0	5286.5	5264.6	5264.6
125°	4492.8	4631.1	4696.7	4798.6	4937.0	4980.7	5046.2	5111.7	5170.0	5148.1	5140.9
127.5°	4580.2	4587.4	4645.7	4754.9	4842.3	4871.4	4944.2	5002.5	5060.8	5053.5	5068.0
130°	4543.8	4521.9	4660.3	4704.0	4769.5	4820.5	4856.9	4907.8	4951.5	4951.5	4966.1
132.5°	4514.6	4514.6	4558.3	4645.7	4704.0	4740.4	4798.6	4813.2	4864.2	4878.7	4849.6
135°	4427.3	4485.5	4551.0	4580.2	4645.7	4674.8	4704.0	4733.1	4776.8	4791.3	4740.4
137.5°	4339.9	4427.3	4514.6	4558.3	4609.3	4609.3	4609.3	4653.0	4674.8	4696.7	4645.7
140°	4434.5	4427.3	4507.3	4500.1	4529.2	4521.9	4572.9	4580.2	4609.3	4594.7	4565.6
142.5°	4412.7	4412.7	4434.5	4463.7	4456.4	4470.9	4507.3	4543.8	4543.8	4558.3	4507.3
145°	4339.9	4361.7	4398.1	4427.3	4427.3	4420.0	4463.7	4470.9	4485.5	4478.2	4449.1
147.5°	4369.0	4369.0	4369.0	4405.4	4405.4	4405.4	4412.7	4420.0	4420.0	4427.3	4405.4
150°	4347.2	4354.4	4369.0	4354.4	4390.8	4332.6	4369.0	4369.0	4369.0	4376.3	4361.7
152.5°	4201.5	4303.5	4339.9	4332.6	4303.5	4318.0	4325.3	4354.4	4339.9	4354.4	4310.7
155°	4274.3	4267.1	4274.3	4281.6	4259.8	4274.3	4281.6	4281.6	4274.3	4281.6	4245.2
157.5°	4252.5	4245.2	4281.6	4237.9	4259.8	4274.3	4245.2	4267.1	4245.2	4274.3	4259.8
160°	4230.6	4216.1	4245.2	4216.1	4245.2	4208.8	4187.0	4223.4	4201.5	4252.5	4179.7
162.5°	4201.5	4194.2	4223.4	4187.0	4157.8	4143.3	4165.1	4172.4	4157.8	4172.4	4136.0
165°	4165.1	4165.1	4165.1	4128.7	4150.5	4150.5	4121.4	4128.7	4034.0	4136.0	4092.3
167.5°	4136.0	4165.1	4128.7	4092.3	4136.0	4136.0	4085.0	4092.3	4026.8	4077.7	4055.9
170°	4099.6	4070.4	4077.7	4077.7	4114.1	4048.6	4012.2	4077.7	4041.3	4077.7	4041.3
172.5°	4012.2	4041.3	4041.3	4026.8	4004.9	4004.9	3997.6	4012.2	3990.4	3997.6	3975.8
175°	3983.1	3983.1	3997.6	4019.5	3975.8	3968.5	3924.8	3961.2	3939.4	3953.9	3932.1
177.5°	3873.8	3932.1	3924.8	3873.8	3903.0	3859.3	3881.1	3895.7	3852.0	3888.4	3852.0
180°	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0



TEST NUMBER: P508369

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-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°	14.6	14.6	14.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
95°	65.5	87.4	211.2	174.8	131.1	123.8	138.4	123.8	109.2	94.7	87.4
97.5°	524.3	589.8	618.9	546.1	538.8	495.2	444.2	335.0	305.8	269.4	211.2
100°	1434.5	1274.3	1194.2	1063.1	859.2	779.1	713.6	589.8	480.6	422.3	356.8
102.5°	2745.2	2446.6	2060.7	1652.9	1347.1	1230.6	1099.5	917.5	771.9	640.8	531.6
105°	4325.3	3757.3	3007.3	2461.2	2053.4	1798.6	1682.1	1390.8	1150.5	1004.9	844.7
107.5°	4849.6	4485.5	4019.5	3451.5	2970.9	2737.9	2483.0	2097.1	1791.3	1521.9	1281.6
110°	5068.0	4754.9	4405.4	4070.4	3742.8	3531.6	3356.8	2963.6	2585.0	2250.0	1915.1
112.5°	5177.3	4864.2	4558.3	4288.9	4034.0	3917.5	3793.7	3480.6	3189.4	2869.0	2468.5
115°	5250.1	5002.5	4733.1	4449.1	4252.5	4128.7	4019.5	3735.5	3466.1	3174.8	2767.0
117.5°	5286.5	5038.9	4842.3	4609.3	4405.4	4303.5	4187.0	3932.1	3662.7	3393.3	2985.5
120°	5242.8	5075.3	4915.1	4718.5	4521.9	4420.0	4325.3	4070.4	3822.9	3568.0	3167.5
122.5°	5184.5	5089.9	4966.1	4769.5	4623.9	4536.5	4456.4	4201.5	3983.1	3691.8	3327.7
125°	5119.0	5024.3	4893.3	4769.5	4653.0	4587.4	4529.2	4303.5	4077.7	3830.2	3487.9
127.5°	5017.1	4929.7	4827.7	4725.8	4638.4	4572.9	4551.0	4354.4	4143.3	3924.8	3575.3
130°	4907.8	4835.0	4747.6	4645.7	4587.4	4514.6	4521.9	4347.2	4179.7	3975.8	3662.7
132.5°	4762.2	4711.2	4689.4	4580.2	4521.9	4485.5	4434.5	4318.0	4179.7	4019.5	3720.9
135°	4696.7	4645.7	4609.3	4514.6	4427.3	4412.7	4339.9	4274.3	4157.8	4041.3	3757.3
137.5°	4580.2	4551.0	4529.2	4427.3	4339.9	4339.9	4318.0	4230.6	4128.7	3968.5	3728.2
140°	4529.2	4492.8	4434.5	4354.4	4303.5	4259.8	4237.9	4165.1	4041.3	3917.5	3720.9
142.5°	4441.8	4412.7	4398.1	4325.3	4245.2	4201.5	4157.8	4077.7	3990.4	3903.0	3691.8
145°	4390.8	4383.6	4369.0	4296.2	4172.4	4150.5	4136.0	4048.6	3968.5	3830.2	3684.5
147.5°	4325.3	4332.6	4318.0	4230.6	4150.5	4099.6	4063.2	3983.1	3924.8	3808.3	3626.3
150°	4281.6	4288.9	4274.3	4165.1	4077.7	4055.9	4041.3	3961.2	3852.0	3757.3	3604.4
152.5°	4259.8	4237.9	4201.5	4157.8	4063.2	4012.2	3997.6	3910.3	3852.0	3735.5	3589.9
155°	4216.1	4187.0	4165.1	4092.3	4034.0	3983.1	3946.7	3895.7	3830.2	3713.6	3589.9
157.5°	4172.4	4143.3	4128.7	4114.1	4034.0	3961.2	3953.9	3895.7	3793.7	3706.4	3604.4
160°	4128.7	4055.9	4114.1	4026.8	4004.9	3946.7	3903.0	3866.6	3793.7	3713.6	3626.3
162.5°	4085.0	4063.2	4055.9	4004.9	3961.2	3924.8	3859.3	3881.1	3793.7	3720.9	3655.4
165°	4048.6	4026.8	4019.5	4004.9	3939.4	3910.3	3895.7	3852.0	3815.6	3742.8	3684.5
167.5°	4012.2	3975.8	3990.4	3975.8	3895.7	3917.5	3881.1	3852.0	3830.2	3771.9	3713.6
170°	4004.9	3932.1	3968.5	3961.2	3903.0	3895.7	3852.0	3844.7	3822.9	3779.2	3750.1
172.5°	3968.5	3917.5	3939.4	3917.5	3888.4	3866.6	3866.6	3873.8	3837.4	3808.3	3771.9
175°	3910.3	3881.1	3888.4	3910.3	3866.6	3852.0	3815.6	3844.7	3852.0	3801.0	3786.5
177.5°	3844.7	3873.8	3852.0	3881.1	3844.7	3837.4	3815.6	3837.4	3837.4	3793.7	3793.7
180°	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0



TEST NUMBER: P508369

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-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°	21.8	29.1	29.1	36.4	43.7	43.7	51.0	51.0	58.3	65.5	72.8
95°	43.7	36.4	43.7	51.0	51.0	58.3	65.5	65.5	72.8	80.1	80.1
97.5°	87.4	58.3	58.3	58.3	65.5	65.5	72.8	80.1	87.4	87.4	87.4
100°	167.5	94.7	94.7	72.8	72.8	80.1	80.1	87.4	94.7	94.7	94.7
102.5°	291.3	174.8	138.4	94.7	87.4	87.4	94.7	94.7	101.9	101.9	101.9
105°	546.1	349.5	196.6	116.5	109.2	101.9	101.9	101.9	109.2	109.2	109.2
107.5°	961.2	560.7	276.7	152.9	131.1	116.5	116.5	116.5	116.5	116.5	116.5
110°	1463.6	822.8	378.6	196.6	160.2	138.4	131.1	131.1	123.8	123.8	123.8
112.5°	1922.4	1077.7	480.6	240.3	189.3	160.2	145.6	138.4	138.4	131.1	123.8
115°	2213.6	1267.0	582.5	276.7	218.4	182.0	152.9	152.9	145.6	138.4	131.1
117.5°	2424.8	1463.6	706.3	335.0	254.9	211.2	167.5	160.2	152.9	152.9	145.6
120°	2628.7	1667.5	837.4	400.5	305.8	240.3	189.3	174.8	167.5	160.2	152.9
122.5°	2825.3	1864.1	983.0	480.6	356.8	284.0	211.2	189.3	182.0	167.5	167.5
125°	2978.2	2068.0	1150.5	582.5	429.6	335.0	240.3	203.9	189.3	182.0	174.8
127.5°	3145.7	2271.9	1325.3	691.8	509.7	400.5	276.7	225.7	211.2	196.6	189.3
130°	3269.5	2468.5	1514.6	837.4	626.2	480.6	327.7	254.9	225.7	211.2	203.9
132.5°	3364.1	2636.0	1703.9	997.6	764.6	582.5	393.2	305.8	254.9	233.0	218.4
135°	3393.3	2781.6	1900.5	1172.3	910.2	713.6	480.6	364.1	291.3	254.9	240.3
137.5°	3422.4	2898.1	2089.8	1369.0	1099.5	873.8	582.5	436.9	349.5	298.5	262.1
140°	3407.8	2985.5	2271.9	1587.4	1296.1	1048.6	720.9	531.6	422.3	356.8	305.8
142.5°	3400.5	3058.3	2461.2	1791.3	1500.0	1252.4	888.4	655.3	517.0	422.3	364.1
145°	3415.1	3109.3	2599.6	2009.7	1740.3	1485.5	1092.2	801.0	633.5	517.0	451.5
147.5°	3364.1	3138.4	2767.0	2199.1	1951.5	1703.9	1310.7	997.6	793.7	648.1	553.4
150°	3407.8	3153.0	2839.8	2388.4	2155.4	1929.6	1551.0	1223.3	990.3	815.5	699.0
152.5°	3400.5	3167.5	2919.9	2555.9	2359.3	2148.1	1769.4	1449.1	1201.5	1019.4	881.1
155°	3436.9	3174.8	3000.0	2723.3	2548.6	2359.3	2017.0	1711.2	1449.1	1267.0	1106.8
157.5°	3466.1	3269.5	3094.7	2876.3	2723.3	2563.1	2271.9	1987.9	1740.3	1551.0	1354.4
160°	3509.8	3320.4	3167.5	3000.0	2898.1	2730.6	2519.5	2293.7	2053.4	1849.5	1689.3
162.5°	3531.6	3400.5	3269.5	3102.0	3036.5	2919.9	2745.2	2577.7	2373.8	2184.5	2031.6
165°	3575.3	3444.2	3356.8	3218.5	3153.0	3051.0	2941.8	2788.9	2665.1	2504.9	2388.4
167.5°	3619.0	3531.6	3458.8	3349.6	3291.3	3218.5	3123.8	3021.9	2956.4	2832.6	2716.1
170°	3662.7	3589.9	3553.5	3502.5	3415.1	3356.8	3313.2	3240.3	3153.0	3094.7	3029.2
172.5°	3699.1	3670.0	3648.1	3633.5	3546.2	3502.5	3473.4	3393.3	3393.3	3313.2	3262.2
175°	3757.3	3662.7	3728.2	3691.8	3662.7	3626.3	3611.7	3589.9	3568.0	3538.9	3509.8
177.5°	3786.5	3771.9	3786.5	3771.9	3764.6	3728.2	3750.1	3728.2	3720.9	3713.6	3691.8
180°	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0



TEST NUMBER: P508369

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-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°	80.1	80.1	87.4	87.4	87.4	87.4	94.7	87.4	80.1
95°	87.4	94.7	94.7	94.7	101.9	101.9	101.9	101.9	101.9
97.5°	94.7	94.7	101.9	101.9	101.9	109.2	109.2	109.2	109.2
100°	101.9	101.9	101.9	109.2	109.2	109.2	109.2	109.2	109.2
102.5°	101.9	101.9	101.9	109.2	109.2	109.2	109.2	109.2	109.2
105°	109.2	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	109.2	109.2	101.9	101.9	101.9	101.9	101.9	101.9	101.9
110°	116.5	109.2	101.9	101.9	101.9	101.9	101.9	101.9	94.7
112.5°	123.8	116.5	109.2	101.9	101.9	101.9	101.9	94.7	94.7
115°	131.1	123.8	116.5	116.5	109.2	109.2	109.2	101.9	101.9
117.5°	138.4	131.1	123.8	123.8	116.5	116.5	109.2	109.2	109.2
120°	145.6	145.6	138.4	131.1	131.1	123.8	123.8	116.5	116.5
122.5°	160.2	145.6	145.6	145.6	145.6	138.4	131.1	131.1	131.1
125°	167.5	160.2	160.2	160.2	152.9	152.9	145.6	138.4	138.4
127.5°	182.0	174.8	174.8	167.5	167.5	160.2	160.2	152.9	152.9
130°	196.6	189.3	182.0	182.0	182.0	174.8	174.8	167.5	167.5
132.5°	211.2	203.9	203.9	196.6	196.6	189.3	189.3	182.0	182.0
135°	233.0	218.4	218.4	218.4	211.2	203.9	203.9	203.9	196.6
137.5°	247.6	240.3	233.0	225.7	225.7	225.7	218.4	218.4	218.4
140°	284.0	262.1	254.9	247.6	247.6	240.3	240.3	240.3	240.3
142.5°	327.7	305.8	284.0	276.7	269.4	262.1	262.1	254.9	254.9
145°	400.5	364.1	335.0	327.7	313.1	298.5	298.5	291.3	291.3
147.5°	487.9	444.2	407.8	393.2	385.9	371.4	356.8	349.5	342.2
150°	611.7	546.1	509.7	495.2	480.6	451.5	436.9	429.6	429.6
152.5°	771.9	699.0	640.8	611.7	597.1	568.0	546.1	538.8	546.1
155°	968.5	881.1	822.8	786.4	757.3	720.9	706.3	699.0	684.5
157.5°	1245.2	1128.7	1041.3	1012.2	975.7	939.3	917.5	895.6	881.1
160°	1543.7	1412.6	1332.5	1296.1	1252.4	1194.2	1165.1	1135.9	1121.4
162.5°	1871.4	1762.2	1667.5	1609.2	1587.4	1514.6	1485.5	1449.1	1456.3
165°	2235.5	2119.0	2046.1	2002.5	1944.2	1907.8	1886.0	1835.0	1813.1
167.5°	2621.4	2490.3	2453.9	2395.7	2344.7	2293.7	2293.7	2271.9	2250.0
170°	2912.7	2883.5	2839.8	2774.3	2767.0	2730.6	2730.6	2708.8	2716.1
172.5°	3189.4	3145.7	3145.7	3123.8	3102.0	3087.4	3051.0	3065.6	3065.6
175°	3466.1	3444.2	3429.7	3371.4	3386.0	3386.0	3364.1	3364.1	3378.7
177.5°	3691.8	3691.8	3677.2	3670.0	3662.7	3670.0	3677.2	3684.5	3670.0
180°	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0

(END OF REPORT)