

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: P508466

Luminaire Tested: **ASYX-X-S4-X-U-HSS-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508466  
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-S4-X-U-HSS-L40-1-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: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

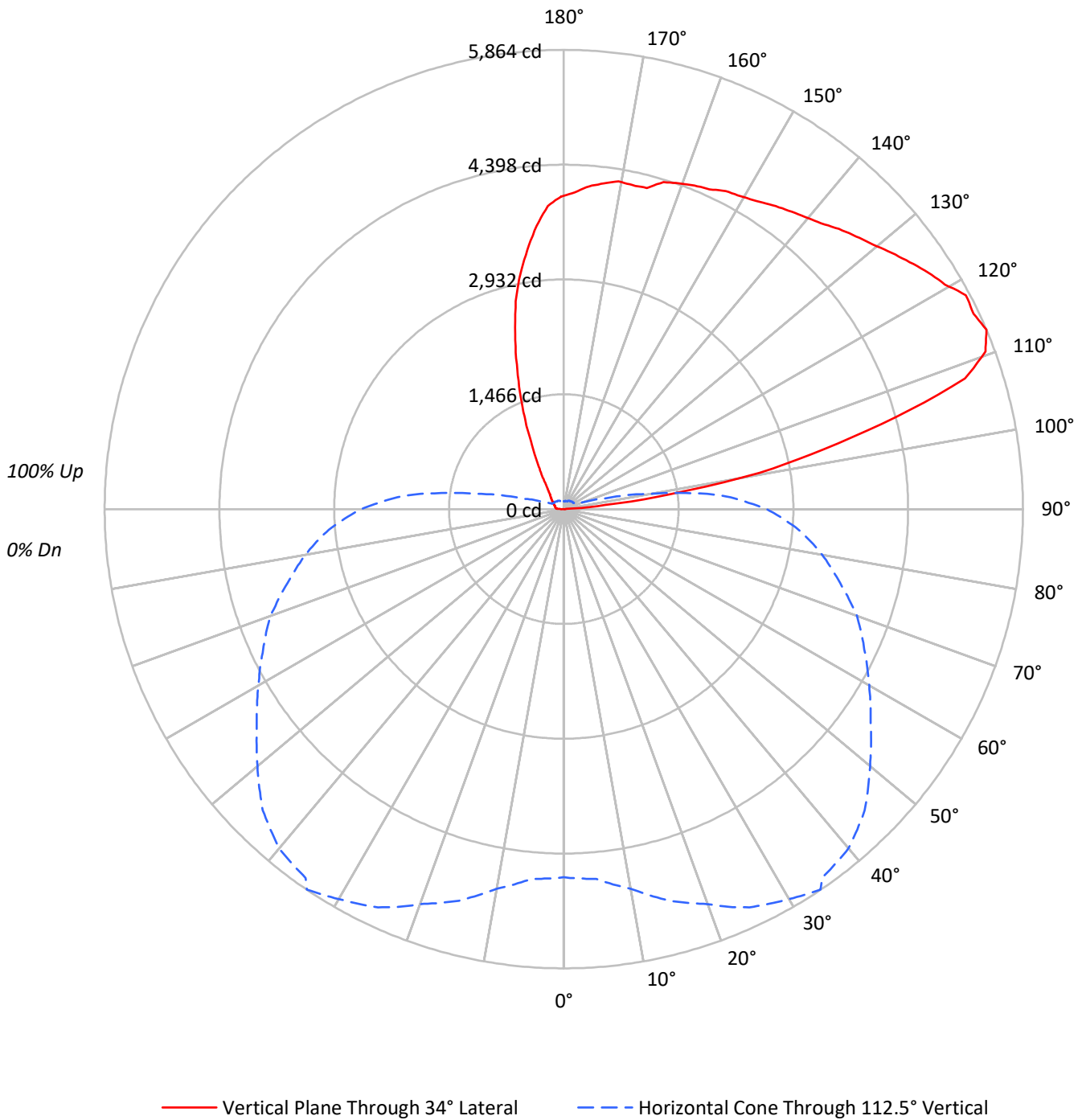
Lumens per Lamp: N/A  
Luminaire Lumens: 13744.8 lumens  
Efficiency: N/A  
Efficacy: 63.9 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
CIE Type: Indirect

Input Watts (W): 215.1  
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: P508466  
CATALOG NUMBER: ASYX-X-S4-X-U-HSS-L40-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-X-U-HSS-L40-1-UNV-X-X-X-STD

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	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°	939	11325	13215
100°	38388	23220	7110
105°	117650	36885	4450
110°	134988	63283	3128
115°	123072	73999	2725
120°	105340	71599	2633
125°	88528	68728	2727
130°	79892	64401	2946
135°	70763	60056	3142
140°	65426	54897	3545
145°	59878	50836	4018
150°	56733	47039	5607
155°	53302	44767	8536
160°	50883	43615	13487
165°	48734	43111	21215
170°	47048	43037	31170
175°	45189	42959	38332



TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-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°	267.3	1.9
100°-110°	1675.2	12.2
110°-120°	2589.3	18.8
120°-130°	2498.9	18.2
130°-140°	2170.3	15.8
140°-150°	1788.8	13.0
150°-160°	1409.5	10.3
160°-170°	977.9	7.1
170°-180°	367.5	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°	4531.8	33.0
90°-150°	10989.8	80.0
90°-180°	13745.0	100.0
0°-180°	13744.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	8	69	92	84	107	130
105°	2829	4542	887	115	107	2776
115°	4832	5512	2905	145	107	4700
125°	4717	5375	3662	191	145	4314
135°	4649	4932	3945	268	206	3615
145°	4557	4610	3869	543	306	2889
155°	4488	4427	3769	1330	719	2068
165°	4373	4251	3869	2630	1904	1242
175°	4182	4106	3976	3716	3548	401
180°	3991	3991	3991	3991	3991	



TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-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	7.6	7.6	22.9	15.3	15.3	22.9	30.6	38.2	15.3
95°	7.6	7.6	15.3	198.8	596.4	657.5	626.9	604.0	527.6	458.7	114.7
97.5°	160.6	191.1	305.8	818.1	1659.1	1911.4	2033.8	1666.8	1368.6	1269.2	680.5
100°	619.3	718.7	993.9	1880.8	2806.0	2867.1	2844.2	2767.7	2546.0	2400.7	1842.6
102.5°	1651.5	1720.3	2102.6	2890.1	3394.7	3501.7	3501.7	3432.9	3410.0	3364.1	3188.3
105°	2828.9	2905.4	3211.2	3616.4	3922.2	4036.9	4098.1	4251.0	4403.9	4426.9	4595.1
107.5°	3616.4	3692.9	3929.9	4235.7	4633.3	4778.6	4954.4	5199.1	5390.2	5367.3	5329.0
110°	4289.2	4373.3	4595.1	4900.9	5191.4	5367.3	5535.5	5642.5	5749.6	5642.5	5589.0
112.5°	4702.1	4740.3	4923.8	5176.1	5367.3	5497.3	5611.9	5749.6	5864.2	5749.6	5657.8
115°	4832.1	4855.0	5015.6	5191.4	5397.9	5520.2	5604.3	5749.6	5795.4	5772.5	5696.0
117.5°	4824.4	4923.8	5061.4	5183.8	5382.6	5482.0	5566.1	5680.8	5818.4	5757.2	5680.8
120°	4893.2	4900.9	5046.2	5191.4	5336.7	5420.8	5420.8	5589.0	5650.2	5634.9	5619.6
122.5°	4870.3	4893.2	5015.6	5107.3	5260.2	5329.0	5397.9	5482.0	5550.8	5527.8	5527.8
125°	4717.4	4862.7	4931.5	5038.5	5183.8	5229.7	5298.5	5367.3	5428.4	5405.5	5397.9
127.5°	4809.1	4816.8	4878.0	4992.6	5084.4	5115.0	5191.4	5252.6	5313.8	5306.1	5321.4
130°	4770.9	4748.0	4893.2	4939.1	5007.9	5061.4	5099.7	5153.2	5199.1	5199.1	5214.4
132.5°	4740.3	4740.3	4786.2	4878.0	4939.1	4977.3	5038.5	5053.8	5107.3	5122.6	5092.0
135°	4648.6	4709.7	4778.6	4809.1	4878.0	4908.5	4939.1	4969.7	5015.6	5030.9	4977.3
137.5°	4556.8	4648.6	4740.3	4786.2	4839.7	4839.7	4839.7	4885.6	4908.5	4931.5	4878.0
140°	4656.2	4648.6	4732.7	4725.0	4755.6	4748.0	4801.5	4809.1	4839.7	4824.4	4793.8
142.5°	4633.3	4633.3	4656.2	4686.8	4679.2	4694.5	4732.7	4770.9	4770.9	4786.2	4732.7
145°	4556.8	4579.8	4618.0	4648.6	4648.6	4640.9	4686.8	4694.5	4709.7	4702.1	4671.5
147.5°	4587.4	4587.4	4587.4	4625.6	4625.6	4625.6	4633.3	4640.9	4640.9	4648.6	4625.6
150°	4564.5	4572.1	4587.4	4572.1	4610.4	4549.2	4587.4	4587.4	4587.4	4595.1	4579.8
152.5°	4411.6	4518.6	4556.8	4549.2	4518.6	4533.9	4541.5	4572.1	4556.8	4572.1	4526.3
155°	4488.0	4480.4	4488.0	4495.7	4472.7	4488.0	4495.7	4495.7	4488.0	4495.7	4457.4
157.5°	4465.1	4457.4	4495.7	4449.8	4472.7	4488.0	4457.4	4480.4	4457.4	4488.0	4472.7
160°	4442.1	4426.9	4457.4	4426.9	4457.4	4419.2	4396.3	4434.5	4411.6	4465.1	4388.6
162.5°	4411.6	4403.9	4434.5	4396.3	4365.7	4350.4	4373.3	4381.0	4365.7	4381.0	4342.8
165°	4373.3	4373.3	4373.3	4335.1	4358.0	4358.0	4327.5	4335.1	4235.7	4342.8	4296.9
167.5°	4342.8	4373.3	4335.1	4296.9	4342.8	4342.8	4289.2	4296.9	4228.1	4281.6	4258.7
170°	4304.5	4273.9	4281.6	4281.6	4319.8	4251.0	4212.8	4281.6	4243.4	4281.6	4243.4
172.5°	4212.8	4243.4	4243.4	4228.1	4205.1	4205.1	4197.5	4212.8	4189.8	4197.5	4174.5
175°	4182.2	4182.2	4197.5	4220.4	4174.5	4166.9	4121.0	4159.3	4136.3	4151.6	4128.7
177.5°	4067.5	4128.7	4121.0	4067.5	4098.1	4052.2	4075.2	4090.4	4044.6	4082.8	4044.6
180°	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1



TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-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°	15.3	15.3	15.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
95°	68.8	91.7	221.7	183.5	137.6	130.0	145.3	130.0	114.7	99.4	91.7
97.5°	550.5	619.3	649.9	573.4	565.8	519.9	466.4	351.7	321.1	282.9	221.7
100°	1506.2	1338.0	1253.9	1116.3	902.2	818.1	749.3	619.3	504.6	443.5	374.6
102.5°	2882.4	2569.0	2163.7	1735.6	1414.5	1292.1	1154.5	963.4	810.4	672.8	558.1
105°	4541.5	3945.2	3157.7	2584.2	2156.1	1888.5	1766.2	1460.3	1208.0	1055.1	886.9
107.5°	5092.0	4709.7	4220.4	3624.1	3119.4	2874.8	2607.2	2202.0	1880.8	1597.9	1345.6
110°	5321.4	4992.6	4625.6	4273.9	3929.9	3708.2	3524.7	3111.8	2714.2	2362.5	2010.8
112.5°	5436.1	5107.3	4786.2	4503.3	4235.7	4113.4	3983.4	3654.6	3348.8	3012.4	2591.9
115°	5512.5	5252.6	4969.7	4671.5	4465.1	4335.1	4220.4	3922.2	3639.4	3333.5	2905.4
117.5°	5550.8	5290.8	5084.4	4839.7	4625.6	4518.6	4396.3	4128.7	3845.8	3562.9	3134.7
120°	5504.9	5329.0	5160.8	4954.4	4748.0	4640.9	4541.5	4273.9	4014.0	3746.4	3325.9
122.5°	5443.7	5344.3	5214.4	5007.9	4855.0	4763.3	4679.2	4411.6	4182.2	3876.4	3494.1
125°	5374.9	5275.5	5137.9	5007.9	4885.6	4816.8	4755.6	4518.6	4281.6	4021.6	3662.3
127.5°	5267.9	5176.1	5069.1	4962.1	4870.3	4801.5	4778.6	4572.1	4350.4	4121.0	3754.0
130°	5153.2	5076.7	4985.0	4878.0	4816.8	4740.3	4748.0	4564.5	4388.6	4174.5	3845.8
132.5°	5000.3	4946.8	4923.8	4809.1	4748.0	4709.7	4656.2	4533.9	4388.6	4220.4	3906.9
135°	4931.5	4878.0	4839.7	4740.3	4648.6	4633.3	4556.8	4488.0	4365.7	4243.4	3945.2
137.5°	4809.1	4778.6	4755.6	4648.6	4556.8	4556.8	4533.9	4442.1	4335.1	4166.9	3914.6
140°	4755.6	4717.4	4656.2	4572.1	4518.6	4472.7	4449.8	4373.3	4243.4	4113.4	3906.9
142.5°	4663.9	4633.3	4618.0	4541.5	4457.4	4411.6	4365.7	4281.6	4189.8	4098.1	3876.4
145°	4610.4	4602.7	4587.4	4511.0	4381.0	4358.0	4342.8	4251.0	4166.9	4021.6	3868.7
147.5°	4541.5	4549.2	4533.9	4442.1	4358.0	4304.5	4266.3	4182.2	4121.0	3998.7	3807.6
150°	4495.7	4503.3	4488.0	4373.3	4281.6	4258.7	4243.4	4159.3	4044.6	3945.2	3784.6
152.5°	4472.7	4449.8	4411.6	4365.7	4266.3	4212.8	4197.5	4105.7	4044.6	3922.2	3769.3
155°	4426.9	4396.3	4373.3	4296.9	4235.7	4182.2	4144.0	4090.4	4021.6	3899.3	3769.3
157.5°	4381.0	4350.4	4335.1	4319.8	4235.7	4159.3	4151.6	4090.4	3983.4	3891.7	3784.6
160°	4335.1	4258.7	4319.8	4228.1	4205.1	4144.0	4098.1	4059.9	3983.4	3899.3	3807.6
162.5°	4289.2	4266.3	4258.7	4205.1	4159.3	4121.0	4052.2	4075.2	3983.4	3906.9	3838.1
165°	4251.0	4228.1	4220.4	4205.1	4136.3	4105.7	4090.4	4044.6	4006.3	3929.9	3868.7
167.5°	4212.8	4174.5	4189.8	4174.5	4090.4	4113.4	4075.2	4044.6	4021.6	3960.5	3899.3
170°	4205.1	4128.7	4166.9	4159.3	4098.1	4090.4	4044.6	4036.9	4014.0	3968.1	3937.5
172.5°	4166.9	4113.4	4136.3	4113.4	4082.8	4059.9	4059.9	4067.5	4029.3	3998.7	3960.5
175°	4105.7	4075.2	4082.8	4105.7	4059.9	4044.6	4006.3	4036.9	4044.6	3991.1	3975.8
177.5°	4036.9	4067.5	4044.6	4075.2	4036.9	4029.3	4006.3	4029.3	4029.3	3983.4	3983.4
180°	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1



TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-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°	22.9	30.6	30.6	38.2	45.9	45.9	53.5	53.5	61.2	68.8	76.5
95°	45.9	38.2	45.9	53.5	53.5	61.2	68.8	68.8	76.5	84.1	84.1
97.5°	91.7	61.2	61.2	61.2	68.8	68.8	76.5	84.1	91.7	91.7	91.7
100°	175.9	99.4	99.4	76.5	76.5	84.1	84.1	91.7	99.4	99.4	99.4
102.5°	305.8	183.5	145.3	99.4	91.7	91.7	99.4	99.4	107.0	107.0	107.0
105°	573.4	367.0	206.4	122.3	114.7	107.0	107.0	107.0	114.7	114.7	114.7
107.5°	1009.2	588.7	290.5	160.6	137.6	122.3	122.3	122.3	122.3	122.3	122.3
110°	1536.8	864.0	397.6	206.4	168.2	145.3	137.6	137.6	130.0	130.0	130.0
112.5°	2018.5	1131.6	504.6	252.3	198.8	168.2	152.9	145.3	145.3	137.6	130.0
115°	2324.3	1330.4	611.7	290.5	229.4	191.1	160.6	160.6	152.9	145.3	137.6
117.5°	2546.0	1536.8	741.6	351.7	267.6	221.7	175.9	168.2	160.6	160.6	152.9
120°	2760.1	1750.9	879.3	420.5	321.1	252.3	198.8	183.5	175.9	168.2	160.6
122.5°	2966.5	1957.3	1032.2	504.6	374.6	298.2	221.7	198.8	191.1	175.9	175.9
125°	3127.1	2171.4	1208.0	611.7	451.1	351.7	252.3	214.1	198.8	191.1	183.5
127.5°	3302.9	2385.5	1391.5	726.3	535.2	420.5	290.5	237.0	221.7	206.4	198.8
130°	3432.9	2591.9	1590.3	879.3	657.5	504.6	344.1	267.6	237.0	221.7	214.1
132.5°	3532.3	2767.7	1789.1	1047.5	802.8	611.7	412.9	321.1	267.6	244.7	229.4
135°	3562.9	2920.7	1995.5	1231.0	955.7	749.3	504.6	382.3	305.8	267.6	252.3
137.5°	3593.5	3043.0	2194.3	1437.4	1154.5	917.5	611.7	458.7	367.0	313.5	275.2
140°	3578.2	3134.7	2385.5	1666.8	1360.9	1101.0	756.9	558.1	443.5	374.6	321.1
142.5°	3570.5	3211.2	2584.2	1880.8	1575.0	1315.1	932.8	688.1	542.8	443.5	382.3
145°	3585.8	3264.7	2729.5	2110.2	1827.3	1559.7	1146.9	841.0	665.2	542.8	474.0
147.5°	3532.3	3295.3	2905.4	2309.0	2049.0	1789.1	1376.2	1047.5	833.4	680.5	581.1
150°	3578.2	3310.6	2981.8	2507.8	2263.1	2026.1	1628.5	1284.5	1039.8	856.3	734.0
152.5°	3570.5	3325.9	3065.9	2683.6	2477.2	2255.5	1857.9	1521.5	1261.5	1070.4	925.1
155°	3608.8	3333.5	3150.0	2859.5	2676.0	2477.2	2117.9	1796.7	1521.5	1330.4	1162.1
157.5°	3639.4	3432.9	3249.4	3020.0	2859.5	2691.3	2385.5	2087.3	1827.3	1628.5	1422.1
160°	3685.2	3486.4	3325.9	3150.0	3043.0	2867.1	2645.4	2408.4	2156.1	1942.0	1773.8
162.5°	3708.2	3570.5	3432.9	3257.1	3188.3	3065.9	2882.4	2706.6	2492.5	2293.7	2133.1
165°	3754.0	3616.4	3524.7	3379.4	3310.6	3203.5	3088.9	2928.3	2798.3	2630.1	2507.8
167.5°	3799.9	3708.2	3631.7	3517.0	3455.9	3379.4	3280.0	3173.0	3104.2	2974.2	2851.8
170°	3845.8	3769.3	3731.1	3677.6	3585.8	3524.7	3478.8	3402.3	3310.6	3249.4	3180.6
172.5°	3884.0	3853.4	3830.5	3815.2	3723.5	3677.6	3647.0	3562.9	3562.9	3478.8	3425.3
175°	3945.2	3845.8	3914.6	3876.4	3845.8	3807.6	3792.3	3769.3	3746.4	3715.8	3685.2
177.5°	3975.8	3960.5	3975.8	3960.5	3952.8	3914.6	3937.5	3914.6	3906.9	3899.3	3876.4
180°	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1





TEST NUMBER: P508466

CATALOG NUMBER: ASYX-X-S4-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°	84.1	84.1	91.7	91.7	91.7	91.7	99.4	91.7	84.1
95°	91.7	99.4	99.4	99.4	107.0	107.0	107.0	107.0	107.0
97.5°	99.4	99.4	107.0	107.0	107.0	114.7	114.7	114.7	114.7
100°	107.0	107.0	107.0	114.7	114.7	114.7	114.7	114.7	114.7
102.5°	107.0	107.0	107.0	114.7	114.7	114.7	114.7	114.7	114.7
105°	114.7	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
107.5°	114.7	114.7	107.0	107.0	107.0	107.0	107.0	107.0	107.0
110°	122.3	114.7	107.0	107.0	107.0	107.0	107.0	107.0	99.4
112.5°	130.0	122.3	114.7	107.0	107.0	107.0	107.0	99.4	99.4
115°	137.6	130.0	122.3	122.3	114.7	114.7	114.7	107.0	107.0
117.5°	145.3	137.6	130.0	130.0	122.3	122.3	114.7	114.7	114.7
120°	152.9	152.9	145.3	137.6	137.6	130.0	130.0	122.3	122.3
122.5°	168.2	152.9	152.9	152.9	152.9	145.3	137.6	137.6	137.6
125°	175.9	168.2	168.2	168.2	160.6	160.6	152.9	145.3	145.3
127.5°	191.1	183.5	183.5	175.9	175.9	168.2	168.2	160.6	160.6
130°	206.4	198.8	191.1	191.1	191.1	183.5	183.5	175.9	175.9
132.5°	221.7	214.1	214.1	206.4	206.4	198.8	198.8	191.1	191.1
135°	244.7	229.4	229.4	229.4	221.7	214.1	214.1	214.1	206.4
137.5°	260.0	252.3	244.7	237.0	237.0	237.0	229.4	229.4	229.4
140°	298.2	275.2	267.6	260.0	260.0	252.3	252.3	252.3	252.3
142.5°	344.1	321.1	298.2	290.5	282.9	275.2	275.2	267.6	267.6
145°	420.5	382.3	351.7	344.1	328.8	313.5	313.5	305.8	305.8
147.5°	512.3	466.4	428.2	412.9	405.2	389.9	374.6	367.0	359.3
150°	642.2	573.4	535.2	519.9	504.6	474.0	458.7	451.1	451.1
152.5°	810.4	734.0	672.8	642.2	626.9	596.4	573.4	565.8	573.4
155°	1016.9	925.1	864.0	825.7	795.2	756.9	741.6	734.0	718.7
157.5°	1307.4	1185.1	1093.3	1062.8	1024.5	986.3	963.4	940.4	925.1
160°	1620.9	1483.3	1399.2	1360.9	1315.1	1253.9	1223.3	1192.7	1177.4
162.5°	1964.9	1850.3	1750.9	1689.7	1666.8	1590.3	1559.7	1521.5	1529.1
165°	2347.2	2224.9	2148.4	2102.6	2041.4	2003.2	1980.2	1926.7	1903.8
167.5°	2752.4	2614.8	2576.6	2515.4	2461.9	2408.4	2408.4	2385.5	2362.5
170°	3058.3	3027.7	2981.8	2913.0	2905.4	2867.1	2867.1	2844.2	2851.8
172.5°	3348.8	3302.9	3302.9	3280.0	3257.1	3241.8	3203.5	3218.8	3218.8
175°	3639.4	3616.4	3601.1	3540.0	3555.2	3555.2	3532.3	3532.3	3547.6
177.5°	3876.4	3876.4	3861.1	3853.4	3845.8	3853.4	3861.1	3868.7	3853.4
180°	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1	3991.1

(END OF REPORT)