

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: P508384

Luminaire Tested: **ASYX-X-L5-X-U-HSS-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508384  
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-L5-X-U-HSS-L30-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(5) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

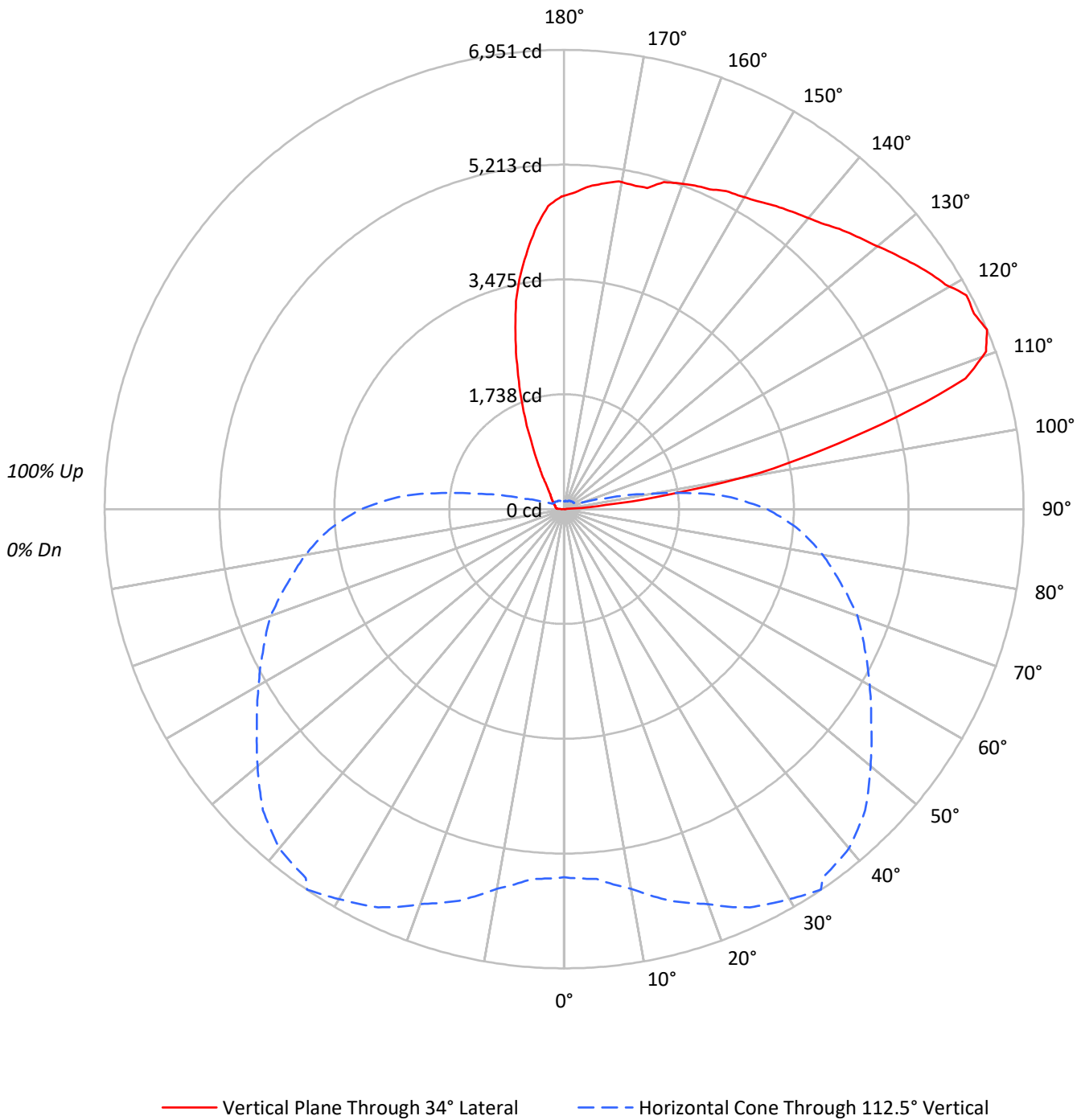
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16291.6 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
CIE Type: Indirect  
  
Input Watts (W): 270.1  
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: P508384  
CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-UNV-X-X-X-STD

**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	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°	749	8950	10448
100°	30336	18352	5616
105°	92967	29145	3518
110°	106668	50006	2472
115°	97250	58473	2155
120°	83240	56577	2081
125°	69955	54308	2154
130°	63130	50889	2327
135°	55916	47456	2483
140°	51699	43380	2802
145°	47316	40171	3176
150°	44829	37170	4431
155°	42119	35374	6745
160°	40208	34464	10657
165°	38510	34067	16764
170°	37177	34007	24631
175°	35708	33945	30289



TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-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°	316.9	1.9
100°-110°	1985.6	12.2
110°-120°	3069.1	18.8
120°-130°	2961.9	18.2
130°-140°	2572.4	15.8
140°-150°	2120.3	13.0
150°-160°	1670.7	10.3
160°-170°	1159.1	7.1
170°-180°	435.6	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°	5371.5	33.0
90°-150°	13026.1	80.0
90°-180°	16292.0	100.0
0°-180°	16291.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	9	82	109	100	127	154
105°	3353	5383	1051	136	127	3290
115°	5727	6534	3444	172	127	5570
125°	5592	6371	4341	227	172	5113
135°	5510	5845	4676	317	245	4285
145°	5401	5465	4586	643	362	3424
155°	5320	5247	4468	1577	852	2451
165°	5184	5039	4586	3118	2256	1472
175°	4957	4866	4712	4404	4205	475
180°	4731	4731	4731	4731	4731	



TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-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	9.1	9.1	27.2	18.1	18.1	27.2	36.2	45.3	18.1
95°	9.1	9.1	18.1	235.6	706.9	779.4	743.1	715.9	625.3	543.7	135.9
97.5°	190.3	226.6	362.5	969.7	1966.5	2265.6	2410.6	1975.6	1622.2	1504.4	806.6
100°	734.1	851.9	1178.1	2229.3	3325.9	3398.4	3371.2	3280.6	3017.8	2845.6	2184.0
102.5°	1957.5	2039.0	2492.2	3425.6	4023.7	4150.6	4150.6	4069.0	4041.8	3987.4	3779.0
105°	3353.1	3443.7	3806.2	4286.5	4649.0	4784.9	4857.4	5038.7	5219.9	5247.1	5446.5
107.5°	4286.5	4377.1	4658.1	5020.6	5491.8	5664.0	5872.4	6162.4	6389.0	6361.8	6316.5
110°	5084.0	5183.7	5446.5	5809.0	6153.3	6361.8	6561.2	6688.0	6814.9	6688.0	6624.6
112.5°	5573.4	5618.7	5836.2	6135.2	6361.8	6515.8	6651.8	6814.9	6950.8	6814.9	6706.2
115°	5727.4	5754.6	5944.9	6153.3	6398.0	6543.0	6642.7	6814.9	6869.3	6842.1	6751.5
117.5°	5718.4	5836.2	5999.3	6144.3	6379.9	6497.7	6597.4	6733.3	6896.5	6824.0	6733.3
120°	5799.9	5809.0	5981.2	6153.3	6325.5	6425.2	6425.2	6624.6	6697.1	6679.0	6660.8
122.5°	5772.7	5799.9	5944.9	6053.7	6234.9	6316.5	6398.0	6497.7	6579.3	6552.1	6552.1
125°	5591.5	5763.7	5845.2	5972.1	6144.3	6198.7	6280.2	6361.8	6434.3	6407.1	6398.0
127.5°	5700.2	5709.3	5781.8	5917.7	6026.5	6062.7	6153.3	6225.8	6298.3	6289.3	6307.4
130°	5654.9	5627.7	5799.9	5854.3	5935.9	5999.3	6044.6	6108.0	6162.4	6162.4	6180.5
132.5°	5618.7	5618.7	5673.0	5781.8	5854.3	5899.6	5972.1	5990.2	6053.7	6071.8	6035.5
135°	5509.9	5582.4	5664.0	5700.2	5781.8	5818.0	5854.3	5890.5	5944.9	5963.0	5899.6
137.5°	5401.2	5509.9	5618.7	5673.0	5736.5	5736.5	5736.5	5790.9	5818.0	5845.2	5781.8
140°	5519.0	5509.9	5609.6	5600.5	5636.8	5627.7	5691.2	5700.2	5736.5	5718.4	5682.1
142.5°	5491.8	5491.8	5519.0	5555.2	5546.2	5564.3	5609.6	5654.9	5654.9	5673.0	5609.6
145°	5401.2	5428.4	5473.7	5509.9	5509.9	5500.9	5555.2	5564.3	5582.4	5573.4	5537.1
147.5°	5437.4	5437.4	5437.4	5482.7	5482.7	5482.7	5491.8	5500.9	5500.9	5509.9	5482.7
150°	5410.2	5419.3	5437.4	5419.3	5464.6	5392.1	5437.4	5437.4	5437.4	5446.5	5428.4
152.5°	5229.0	5355.9	5401.2	5392.1	5355.9	5374.0	5383.0	5419.3	5401.2	5419.3	5364.9
155°	5319.6	5310.5	5319.6	5328.7	5301.5	5319.6	5328.7	5328.7	5319.6	5328.7	5283.4
157.5°	5292.4	5283.4	5328.7	5274.3	5301.5	5319.6	5283.4	5310.5	5283.4	5319.6	5301.5
160°	5265.2	5247.1	5283.4	5247.1	5283.4	5238.0	5210.9	5256.2	5229.0	5292.4	5201.8
162.5°	5229.0	5219.9	5256.2	5210.9	5174.6	5156.5	5183.7	5192.7	5174.6	5192.7	5147.4
165°	5183.7	5183.7	5183.7	5138.4	5165.6	5165.6	5129.3	5138.4	5020.6	5147.4	5093.1
167.5°	5147.4	5183.7	5138.4	5093.1	5147.4	5147.4	5084.0	5093.1	5011.5	5074.9	5047.7
170°	5102.1	5065.9	5074.9	5074.9	5120.2	5038.7	4993.4	5074.9	5029.6	5074.9	5029.6
172.5°	4993.4	5029.6	5029.6	5011.5	4984.3	4984.3	4975.2	4993.4	4966.2	4975.2	4948.1
175°	4957.1	4957.1	4975.2	5002.4	4948.1	4939.0	4884.6	4929.9	4902.7	4920.9	4893.7
177.5°	4821.2	4893.7	4884.6	4821.2	4857.4	4803.1	4830.2	4848.4	4794.0	4839.3	4794.0
180°	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6



TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-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°	18.1	18.1	18.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
95°	81.6	108.7	262.8	217.5	163.1	154.1	172.2	154.1	135.9	117.8	108.7
97.5°	652.5	734.1	770.3	679.7	670.6	616.2	552.8	416.9	380.6	335.3	262.8
100°	1785.3	1585.9	1486.2	1323.1	1069.4	969.7	888.1	734.1	598.1	525.6	444.1
102.5°	3416.5	3045.0	2564.7	2057.2	1676.5	1531.5	1368.4	1141.9	960.6	797.5	661.6
105°	5383.0	4676.2	3742.8	3063.1	2555.6	2238.4	2093.4	1730.9	1431.9	1250.6	1051.2
107.5°	6035.5	5582.4	5002.4	4295.6	3697.4	3407.5	3090.3	2610.0	2229.3	1894.0	1595.0
110°	6307.4	5917.7	5482.7	5065.9	4658.1	4395.2	4177.8	3688.4	3217.1	2800.3	2383.4
112.5°	6443.3	6053.7	5673.0	5337.7	5020.6	4875.6	4721.5	4331.8	3969.3	3570.6	3072.1
115°	6534.0	6225.8	5890.5	5537.1	5292.4	5138.4	5002.4	4649.0	4313.7	3951.2	3443.7
117.5°	6579.3	6271.2	6026.5	5736.5	5482.7	5355.9	5210.9	4893.7	4558.4	4223.1	3715.6
120°	6524.9	6316.5	6117.1	5872.4	5627.7	5500.9	5383.0	5065.9	4757.7	4440.6	3942.1
122.5°	6452.4	6334.6	6180.5	5935.9	5754.6	5645.9	5546.2	5229.0	4957.1	4594.6	4141.5
125°	6370.8	6253.0	6089.9	5935.9	5790.9	5709.3	5636.8	5355.9	5074.9	4766.8	4340.9
127.5°	6244.0	6135.2	6008.4	5881.5	5772.7	5691.2	5664.0	5419.3	5156.5	4884.6	4449.6
130°	6108.0	6017.4	5908.7	5781.8	5709.3	5618.7	5627.7	5410.2	5201.8	4948.1	4558.4
132.5°	5926.8	5863.4	5836.2	5700.2	5627.7	5582.4	5519.0	5374.0	5201.8	5002.4	4630.9
135°	5845.2	5781.8	5736.5	5618.7	5509.9	5491.8	5401.2	5319.6	5174.6	5029.6	4676.2
137.5°	5700.2	5664.0	5636.8	5509.9	5401.2	5401.2	5374.0	5265.2	5138.4	4939.0	4639.9
140°	5636.8	5591.5	5519.0	5419.3	5355.9	5301.5	5274.3	5183.7	5029.6	4875.6	4630.9
142.5°	5528.0	5491.8	5473.7	5383.0	5283.4	5229.0	5174.6	5074.9	4966.2	4857.4	4594.6
145°	5464.6	5455.5	5437.4	5346.8	5192.7	5165.6	5147.4	5038.7	4939.0	4766.8	4585.6
147.5°	5383.0	5392.1	5374.0	5265.2	5165.6	5102.1	5056.8	4957.1	4884.6	4739.6	4513.1
150°	5328.7	5337.7	5319.6	5183.7	5074.9	5047.7	5029.6	4929.9	4794.0	4676.2	4485.9
152.5°	5301.5	5274.3	5229.0	5174.6	5056.8	4993.4	4975.2	4866.5	4794.0	4649.0	4467.7
155°	5247.1	5210.9	5183.7	5093.1	5020.6	4957.1	4911.8	4848.4	4766.8	4621.8	4467.7
157.5°	5192.7	5156.5	5138.4	5120.2	5020.6	4929.9	4920.9	4848.4	4721.5	4612.7	4485.9
160°	5138.4	5047.7	5120.2	5011.5	4984.3	4911.8	4857.4	4812.1	4721.5	4621.8	4513.1
162.5°	5084.0	5056.8	5047.7	4984.3	4929.9	4884.6	4803.1	4830.2	4721.5	4630.9	4549.3
165°	5038.7	5011.5	5002.4	4984.3	4902.7	4866.5	4848.4	4794.0	4748.7	4658.1	4585.6
167.5°	4993.4	4948.1	4966.2	4948.1	4848.4	4875.6	4830.2	4794.0	4766.8	4694.3	4621.8
170°	4984.3	4893.7	4939.0	4929.9	4857.4	4848.4	4794.0	4784.9	4757.7	4703.4	4667.1
172.5°	4939.0	4875.6	4902.7	4875.6	4839.3	4812.1	4812.1	4821.2	4775.9	4739.6	4694.3
175°	4866.5	4830.2	4839.3	4866.5	4812.1	4794.0	4748.7	4784.9	4794.0	4730.6	4712.4
177.5°	4784.9	4821.2	4794.0	4830.2	4784.9	4775.9	4748.7	4775.9	4775.9	4721.5	4721.5
180°	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6



TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-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°	27.2	36.2	36.2	45.3	54.4	54.4	63.4	63.4	72.5	81.6	90.6
95°	54.4	45.3	54.4	63.4	63.4	72.5	81.6	81.6	90.6	99.7	99.7
97.5°	108.7	72.5	72.5	72.5	81.6	81.6	90.6	99.7	108.7	108.7	108.7
100°	208.4	117.8	117.8	90.6	90.6	99.7	99.7	108.7	117.8	117.8	117.8
102.5°	362.5	217.5	172.2	117.8	108.7	108.7	117.8	117.8	126.9	126.9	126.9
105°	679.7	435.0	244.7	145.0	135.9	126.9	126.9	126.9	135.9	135.9	135.9
107.5°	1196.2	697.8	344.4	190.3	163.1	145.0	145.0	145.0	145.0	145.0	145.0
110°	1821.5	1024.0	471.2	244.7	199.4	172.2	163.1	163.1	154.1	154.1	154.1
112.5°	2392.5	1341.2	598.1	299.1	235.6	199.4	181.2	172.2	172.2	163.1	154.1
115°	2755.0	1576.9	725.0	344.4	271.9	226.6	190.3	190.3	181.2	172.2	163.1
117.5°	3017.8	1821.5	879.0	416.9	317.2	262.8	208.4	199.4	190.3	190.3	181.2
120°	3271.5	2075.3	1042.2	498.4	380.6	299.1	235.6	217.5	208.4	199.4	190.3
122.5°	3516.2	2320.0	1223.4	598.1	444.1	353.4	262.8	235.6	226.6	208.4	208.4
125°	3706.5	2573.7	1431.9	725.0	534.7	416.9	299.1	253.7	235.6	226.6	217.5
127.5°	3914.9	2827.5	1649.4	860.9	634.4	498.4	344.4	280.9	262.8	244.7	235.6
130°	4069.0	3072.1	1885.0	1042.2	779.4	598.1	407.8	317.2	280.9	262.8	253.7
132.5°	4186.8	3280.6	2120.6	1241.5	951.5	725.0	489.4	380.6	317.2	290.0	271.9
135°	4223.1	3461.8	2365.3	1459.0	1132.8	888.1	598.1	453.1	362.5	317.2	299.1
137.5°	4259.3	3606.8	2600.9	1703.7	1368.4	1087.5	725.0	543.7	435.0	371.6	326.2
140°	4241.2	3715.6	2827.5	1975.6	1613.1	1305.0	897.2	661.6	525.6	444.1	380.6
142.5°	4232.1	3806.2	3063.1	2229.3	1866.8	1558.7	1105.6	815.6	643.4	525.6	453.1
145°	4250.3	3869.6	3235.3	2501.2	2165.9	1848.7	1359.4	996.9	788.4	643.4	561.9
147.5°	4186.8	3905.9	3443.7	2736.8	2428.7	2120.6	1631.2	1241.5	987.8	806.6	688.7
150°	4241.2	3924.0	3534.3	2972.5	2682.5	2401.5	1930.3	1522.5	1232.5	1015.0	870.0
152.5°	4232.1	3942.1	3634.0	3180.9	2936.2	2673.4	2202.2	1803.4	1495.3	1268.7	1096.5
155°	4277.4	3951.2	3733.7	3389.3	3171.8	2936.2	2510.3	2129.7	1803.4	1576.9	1377.5
157.5°	4313.7	4069.0	3851.5	3579.6	3389.3	3190.0	2827.5	2474.0	2165.9	1930.3	1685.6
160°	4368.1	4132.4	3942.1	3733.7	3606.8	3398.4	3135.6	2854.6	2555.6	2301.8	2102.5
162.5°	4395.2	4232.1	4069.0	3860.6	3779.0	3634.0	3416.5	3208.1	2954.3	2718.7	2528.4
165°	4449.6	4286.5	4177.8	4005.6	3924.0	3797.1	3661.2	3470.9	3316.8	3117.5	2972.5
167.5°	4504.0	4395.2	4304.6	4168.7	4096.2	4005.6	3887.8	3760.9	3679.3	3525.3	3380.3
170°	4558.4	4467.7	4422.4	4359.0	4250.3	4177.8	4123.4	4032.8	3924.0	3851.5	3769.9
172.5°	4603.7	4567.4	4540.2	4522.1	4413.4	4359.0	4322.7	4223.1	4223.1	4123.4	4059.9
175°	4676.2	4558.4	4639.9	4594.6	4558.4	4513.1	4494.9	4467.7	4440.6	4404.3	4368.1
177.5°	4712.4	4694.3	4712.4	4694.3	4685.2	4639.9	4667.1	4639.9	4630.9	4621.8	4594.6
180°	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6





TEST NUMBER: P508384

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L30-1-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°	99.7	99.7	108.7	108.7	108.7	108.7	117.8	108.7	99.7
95°	108.7	117.8	117.8	117.8	126.9	126.9	126.9	126.9	126.9
97.5°	117.8	117.8	126.9	126.9	126.9	135.9	135.9	135.9	135.9
100°	126.9	126.9	126.9	135.9	135.9	135.9	135.9	135.9	135.9
102.5°	126.9	126.9	126.9	135.9	135.9	135.9	135.9	135.9	135.9
105°	135.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9
107.5°	135.9	135.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9
110°	145.0	135.9	126.9	126.9	126.9	126.9	126.9	126.9	117.8
112.5°	154.1	145.0	135.9	126.9	126.9	126.9	126.9	117.8	117.8
115°	163.1	154.1	145.0	145.0	135.9	135.9	135.9	126.9	126.9
117.5°	172.2	163.1	154.1	154.1	145.0	145.0	135.9	135.9	135.9
120°	181.2	181.2	172.2	163.1	163.1	154.1	154.1	145.0	145.0
122.5°	199.4	181.2	181.2	181.2	181.2	172.2	163.1	163.1	163.1
125°	208.4	199.4	199.4	199.4	190.3	190.3	181.2	172.2	172.2
127.5°	226.6	217.5	217.5	208.4	208.4	199.4	199.4	190.3	190.3
130°	244.7	235.6	226.6	226.6	226.6	217.5	217.5	208.4	208.4
132.5°	262.8	253.7	253.7	244.7	244.7	235.6	235.6	226.6	226.6
135°	290.0	271.9	271.9	271.9	262.8	253.7	253.7	253.7	244.7
137.5°	308.1	299.1	290.0	280.9	280.9	280.9	271.9	271.9	271.9
140°	353.4	326.2	317.2	308.1	308.1	299.1	299.1	299.1	299.1
142.5°	407.8	380.6	353.4	344.4	335.3	326.2	326.2	317.2	317.2
145°	498.4	453.1	416.9	407.8	389.7	371.6	371.6	362.5	362.5
147.5°	607.2	552.8	507.5	489.4	480.3	462.2	444.1	435.0	425.9
150°	761.2	679.7	634.4	616.2	598.1	561.9	543.7	534.7	534.7
152.5°	960.6	870.0	797.5	761.2	743.1	706.9	679.7	670.6	679.7
155°	1205.3	1096.5	1024.0	978.7	942.5	897.2	879.0	870.0	851.9
157.5°	1549.7	1404.7	1295.9	1259.7	1214.4	1169.0	1141.9	1114.7	1096.5
160°	1921.2	1758.1	1658.4	1613.1	1558.7	1486.2	1450.0	1413.7	1395.6
162.5°	2329.0	2193.1	2075.3	2002.8	1975.6	1885.0	1848.7	1803.4	1812.5
165°	2782.1	2637.1	2546.5	2492.2	2419.7	2374.3	2347.2	2283.7	2256.5
167.5°	3262.5	3099.3	3054.0	2981.5	2918.1	2854.6	2854.6	2827.5	2800.3
170°	3624.9	3588.7	3534.3	3452.8	3443.7	3398.4	3398.4	3371.2	3380.3
172.5°	3969.3	3914.9	3914.9	3887.8	3860.6	3842.4	3797.1	3815.3	3815.3
175°	4313.7	4286.5	4268.4	4195.9	4214.0	4214.0	4186.8	4186.8	4204.9
177.5°	4594.6	4594.6	4576.5	4567.4	4558.4	4567.4	4576.5	4585.6	4567.4
180°	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6	4730.6

(END OF REPORT)