

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: P508411

Luminaire Tested: **ASYX-X-S1-X-U-F-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: AMETRIX
Catalog Number: ASYX-X-S1-X-U-F-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(1) AF LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

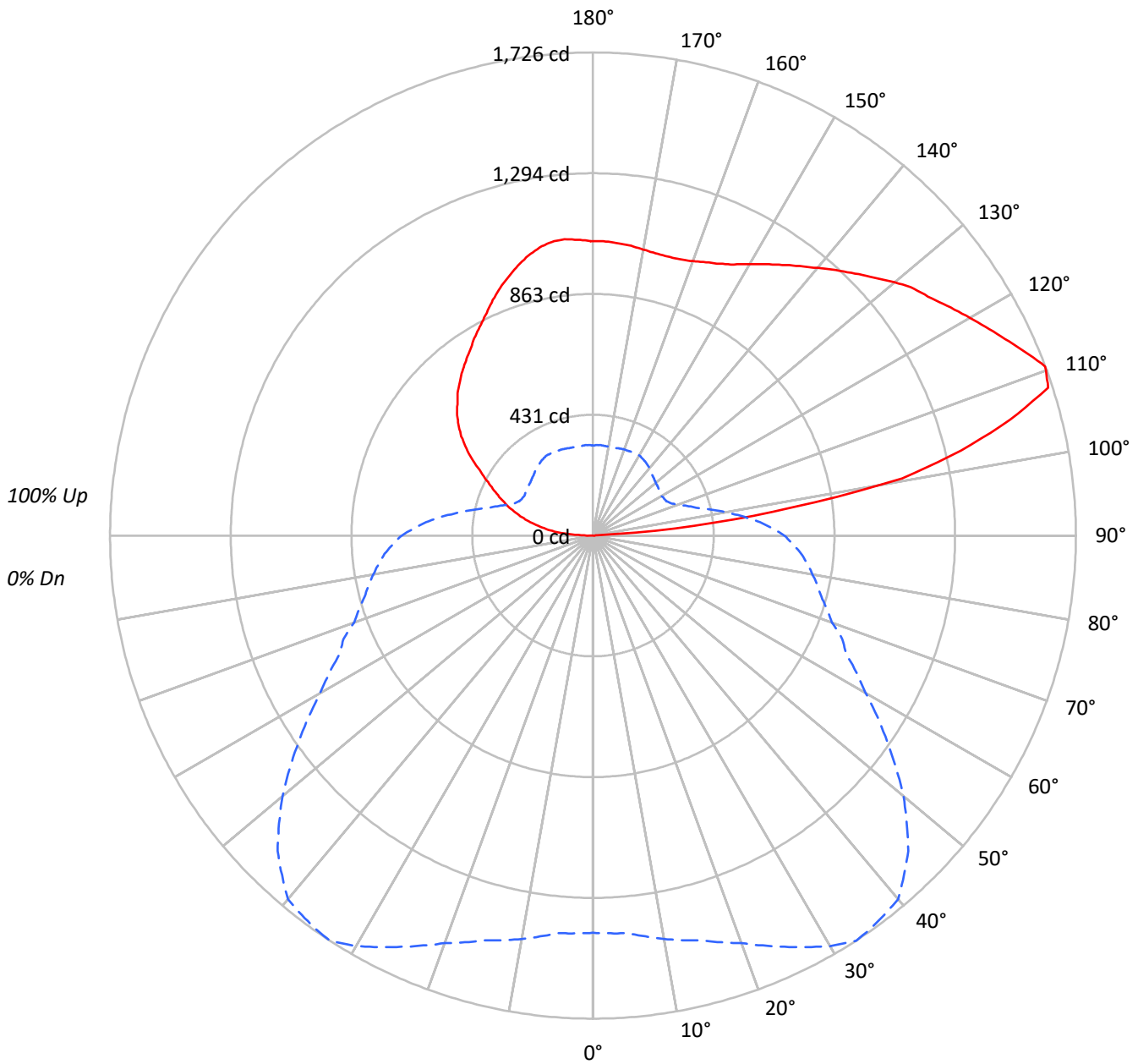
Lumens per Lamp: N/A
Luminaire Lumens: 4993.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
N/A
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 56
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: P508411
CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



— Vertical Plane Through 33° Lateral - - - Horizontal Cone Through 110° Vertical



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CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20								20				20				20
RC	80								50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
95°	72817	27911	60961
100°	184820	59483	50135
105°	179579	65843	42753
110°	178595	86068	40548
115°	155711	97579	37186
120°	129399	95902	35857
125°	110226	89395	36527
130°	94231	81947	38562
135°	81069	75327	39018
140°	70689	69531	38905
145°	62143	64125	39179
150°	54519	59888	39186
155°	50063	56167	39725
160°	46318	52366	41058
165°	44757	49567	43077
170°	44572	47344	44874
175°	45619	45839	45247



TEST NUMBER: P508411

CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-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°	181.2	3.6
100°-110°	668.5	13.4
110°-120°	907.0	18.2
120°-130°	903.0	18.1
130°-140°	803.9	16.1
140°-150°	653.2	13.1
150°-160°	479.6	9.6
160°-170°	296.0	5.9
170°-180°	100.6	2.0
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°	1756.7	35.2
90°-150°	4116.8	82.5
90°-180°	4993.0	100.0
0°-180°	4993.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	147	218	56	86	123	244
105°	1080	1450	396	233	257	1149
115°	1528	1573	958	372	365	1494
125°	1468	1468	1191	528	487	1312
135°	1331	1336	1237	666	641	1037
145°	1182	1186	1220	790	745	744
155°	1054	1090	1182	927	836	486
165°	1004	1040	1112	1030	966	287
175°	1056	1045	1061	1061	1047	99
180°	1052	1052	1052	1052	1052	



TEST NUMBER: P508411

CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	33°	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°	8.6	8.6	8.6	10.3	12.0	12.0	15.4	17.1	15.4	22.3	25.7
95°	147.4	169.6	243.3	289.6	286.1	270.7	287.9	337.6	363.3	330.7	281.0
97.5°	370.1	383.8	536.3	608.3	671.7	702.5	729.9	707.7	719.7	712.8	649.4
100°	745.4	789.9	843.0	916.7	1007.5	1072.6	1122.3	1161.7	1124.0	1064.1	889.3
102.5°	954.4	969.8	1005.8	1043.5	1141.2	1189.1	1238.8	1324.5	1350.2	1338.2	1244.0
105°	1079.5	1088.0	1122.3	1178.9	1254.3	1307.4	1369.1	1480.4	1545.5	1552.4	1559.2
107.5°	1237.1	1256.0	1297.1	1333.1	1422.2	1483.9	1538.7	1653.5	1710.0	1713.5	1689.5
110°	1418.7	1425.6	1463.3	1497.6	1549.0	1585.0	1620.9	1692.9	1725.5	1720.3	1696.3
112.5°	1516.4	1525.0	1538.7	1550.7	1574.7	1590.1	1612.4	1658.6	1677.5	1682.6	1658.6
115°	1528.4	1528.4	1538.7	1540.4	1567.8	1567.8	1578.1	1622.6	1631.2	1638.1	1624.4
117.5°	1518.1	1521.6	1528.4	1525.0	1537.0	1554.1	1550.7	1578.1	1588.4	1583.2	1588.4
120°	1502.7	1499.3	1513.0	1506.1	1514.7	1525.0	1518.1	1538.7	1547.3	1543.8	1561.0
122.5°	1487.3	1487.3	1492.4	1490.7	1487.3	1483.9	1485.6	1499.3	1507.8	1506.1	1516.4
125°	1468.4	1466.7	1465.0	1458.2	1466.7	1461.6	1453.0	1463.3	1470.1	1466.7	1477.0
127.5°	1437.6	1439.3	1435.9	1432.5	1422.2	1420.5	1429.0	1423.9	1441.0	1430.7	1441.0
130°	1406.8	1406.8	1403.3	1396.5	1393.0	1386.2	1384.5	1387.9	1398.2	1401.6	1386.2
132.5°	1382.8	1370.8	1362.2	1357.1	1357.1	1350.2	1346.8	1350.2	1355.3	1363.9	1365.6
135°	1331.4	1324.5	1324.5	1317.7	1327.9	1312.5	1309.1	1314.2	1315.9	1315.9	1326.2
137.5°	1302.2	1285.1	1278.2	1276.5	1274.8	1269.7	1269.7	1276.5	1278.2	1276.5	1285.1
140°	1257.7	1238.8	1245.7	1237.1	1238.8	1230.3	1233.7	1233.7	1240.5	1240.5	1249.1
142.5°	1232.0	1204.6	1201.1	1196.0	1197.7	1194.3	1211.4	1199.4	1206.3	1218.3	1213.1
145°	1182.3	1160.0	1165.2	1160.0	1161.7	1158.3	1166.9	1165.2	1173.7	1172.0	1180.6
147.5°	1129.2	1127.5	1129.2	1125.7	1129.2	1125.7	1136.0	1134.3	1142.9	1148.0	1149.7
150°	1096.6	1089.8	1091.5	1094.9	1091.5	1098.3	1098.3	1105.2	1113.7	1115.5	1122.3
152.5°	1062.3	1060.6	1069.2	1064.1	1067.5	1067.5	1072.6	1074.3	1086.3	1088.0	1105.2
155°	1053.8	1038.4	1038.4	1036.6	1045.2	1045.2	1052.1	1062.3	1067.5	1076.1	1077.8
157.5°	1022.9	1021.2	1021.2	1028.1	1019.5	1029.8	1045.2	1040.1	1053.8	1055.5	1062.3
160°	1010.9	1005.8	1009.2	1012.7	1012.7	1021.2	1033.2	1031.5	1040.1	1050.4	1052.1
162.5°	1017.8	1000.7	1002.4	1010.9	1007.5	1019.5	1021.2	1024.6	1033.2	1036.6	1046.9
165°	1004.1	998.9	995.5	998.9	1009.2	1014.4	1019.5	1022.9	1031.5	1033.2	1038.4
167.5°	1009.2	1007.5	1007.5	1010.9	1017.8	1017.8	1026.4	1024.6	1033.2	1033.2	1036.6
170°	1019.5	1014.4	1017.8	1024.6	1012.7	1031.5	1029.8	1024.6	1038.4	1038.4	1043.5
172.5°	1033.2	1028.1	1029.8	1029.8	1029.8	1040.1	1041.8	1043.5	1045.2	1043.5	1043.5
175°	1055.5	1041.8	1040.1	1040.1	1043.5	1043.5	1046.9	1038.4	1048.6	1048.6	1046.9
177.5°	1050.4	1045.2	1053.8	1045.2	1041.8	1048.6	1053.8	1046.9	1052.1	1046.9	1052.1
180°	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1



TEST NUMBER: P508411

CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-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°	22.3	22.3	22.3	20.6	18.8	18.8	18.8	18.8	17.1	15.4	15.4
95°	217.6	173.1	157.6	130.2	109.7	101.1	87.4	87.4	65.1	53.1	56.5
97.5°	546.6	424.9	337.6	255.3	243.3	227.9	226.2	191.9	169.6	154.2	133.6
100°	709.4	582.6	505.5	462.6	406.1	380.4	361.5	325.6	303.3	272.4	239.9
102.5°	1053.8	875.6	724.8	598.0	512.3	476.3	452.4	414.7	387.2	356.4	315.3
105°	1449.6	1199.4	947.5	757.3	642.5	596.3	555.2	517.5	481.5	433.5	395.8
107.5°	1555.8	1374.2	1184.0	971.5	812.2	765.9	717.9	654.5	606.6	565.4	500.3
110°	1593.5	1447.9	1283.4	1125.7	997.2	964.7	908.1	844.7	796.8	747.1	683.7
112.5°	1578.1	1487.3	1355.3	1214.8	1110.3	1077.8	1036.6	997.2	971.5	933.8	849.9
115°	1573.0	1499.3	1406.8	1281.7	1187.4	1151.4	1118.9	1082.9	1076.1	1050.4	957.8
117.5°	1550.7	1501.0	1430.7	1329.6	1245.7	1221.7	1189.1	1160.0	1156.6	1130.9	1050.4
120°	1535.3	1494.1	1434.2	1367.3	1295.4	1269.7	1242.3	1220.0	1209.7	1190.9	1113.7
122.5°	1499.3	1483.9	1437.6	1381.0	1315.9	1303.9	1278.2	1240.5	1257.7	1237.1	1163.4
125°	1468.4	1459.9	1447.9	1379.3	1333.1	1317.7	1298.8	1276.5	1281.7	1268.0	1190.9
127.5°	1435.9	1434.2	1425.6	1384.5	1341.6	1334.8	1312.5	1295.4	1291.9	1278.2	1209.7
130°	1410.2	1408.5	1396.5	1369.1	1341.6	1339.9	1317.7	1303.9	1302.2	1290.2	1223.4
132.5°	1372.5	1372.5	1379.3	1351.9	1334.8	1329.6	1319.4	1302.2	1307.4	1281.7	1230.3
135°	1336.5	1338.2	1343.4	1329.6	1339.9	1321.1	1310.8	1288.5	1298.8	1288.5	1237.1
137.5°	1295.4	1300.5	1310.8	1305.7	1310.8	1312.5	1298.8	1293.7	1293.7	1283.4	1235.4
140°	1245.7	1266.2	1285.1	1283.4	1293.7	1291.9	1286.8	1262.8	1285.1	1278.2	1237.1
142.5°	1223.4	1235.4	1257.7	1252.5	1274.8	1274.8	1271.4	1269.7	1274.8	1262.8	1230.3
145°	1185.7	1204.6	1221.7	1232.0	1245.7	1259.4	1254.3	1257.7	1259.4	1259.4	1220.0
147.5°	1161.7	1182.3	1204.6	1208.0	1232.0	1235.4	1237.1	1242.3	1252.5	1238.8	1223.4
150°	1136.0	1149.7	1175.4	1185.7	1211.4	1216.6	1214.8	1221.7	1238.8	1228.6	1204.6
152.5°	1096.6	1125.7	1148.0	1163.4	1182.3	1194.3	1196.0	1196.0	1211.4	1211.4	1197.7
155°	1089.8	1105.2	1125.7	1141.2	1161.7	1173.7	1175.4	1175.4	1190.9	1185.7	1182.3
157.5°	1074.3	1094.9	1112.0	1117.2	1142.9	1153.2	1153.2	1156.6	1170.3	1173.7	1161.7
160°	1064.1	1074.3	1094.9	1110.3	1124.0	1136.0	1137.7	1141.2	1149.7	1148.0	1142.9
162.5°	1048.6	1064.1	1082.9	1091.5	1106.9	1118.9	1117.2	1117.2	1132.6	1136.0	1129.2
165°	1040.1	1057.2	1079.5	1084.6	1094.9	1101.8	1100.0	1105.2	1118.9	1115.5	1112.0
167.5°	1043.5	1052.1	1070.9	1069.2	1081.2	1086.3	1086.3	1082.9	1091.5	1079.5	1089.8
170°	1048.6	1048.6	1058.9	1062.3	1072.6	1077.8	1072.6	1072.6	1077.8	1081.2	1082.9
172.5°	1050.4	1048.6	1057.2	1055.5	1058.9	1067.5	1062.3	1055.5	1065.8	1072.6	1064.1
175°	1045.2	1046.9	1060.6	1057.2	1052.1	1060.6	1052.1	1050.4	1065.8	1064.1	1060.6
177.5°	1040.1	1040.1	1048.6	1041.8	1053.8	1053.8	1045.2	1045.2	1062.3	1050.4	1046.9
180°	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1



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CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-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°	17.1	18.8	20.6	24.0	25.7	27.4	30.8	34.3	39.4	39.4	46.3
95°	54.8	56.5	56.5	60.0	61.7	61.7	63.4	70.3	77.1	85.7	101.1
97.5°	116.5	102.8	99.4	99.4	101.1	101.1	102.8	106.2	111.4	121.7	137.1
100°	205.6	174.8	152.5	140.5	137.1	135.4	137.1	137.1	145.6	159.4	176.5
102.5°	269.0	227.9	190.2	173.1	166.2	167.9	166.2	169.6	181.6	193.6	212.5
105°	339.3	286.1	238.2	212.5	202.2	200.5	200.5	203.9	217.6	233.0	246.7
107.5°	435.2	368.4	298.1	260.4	245.0	241.6	241.6	246.7	255.3	265.6	281.0
110°	589.4	479.8	382.1	322.1	301.6	289.6	282.7	287.9	293.0	301.6	313.6
112.5°	733.4	598.0	469.5	378.7	351.3	332.4	322.1	322.1	329.0	335.8	344.4
115°	832.7	682.0	543.2	436.9	397.5	380.4	358.1	359.8	365.0	371.8	377.0
117.5°	921.8	760.8	604.9	491.8	447.2	419.8	397.5	392.4	402.7	411.2	414.7
120°	985.2	829.3	666.5	548.3	496.9	466.1	435.2	430.1	440.4	442.1	459.2
122.5°	1038.4	879.0	719.7	598.0	543.2	517.5	479.8	472.9	479.8	491.8	505.5
125°	1072.6	923.6	767.6	644.3	592.9	558.6	519.2	514.0	519.2	527.7	543.2
127.5°	1100.0	959.5	813.9	692.2	632.3	604.9	565.4	555.2	562.0	565.4	582.6
130°	1120.6	1000.7	856.7	738.5	685.4	658.0	604.9	594.6	598.0	606.6	615.1
132.5°	1141.2	1026.4	899.6	786.5	735.1	704.2	652.8	630.6	632.3	639.1	647.7
135°	1154.9	1053.8	944.1	834.5	777.9	753.9	699.1	676.8	668.2	666.5	676.8
137.5°	1168.6	1079.5	978.4	879.0	831.0	803.6	738.5	712.8	704.2	702.5	705.9
140°	1180.6	1101.8	1009.2	927.0	879.0	846.4	786.5	753.9	740.2	733.4	736.8
142.5°	1185.7	1120.6	1041.8	978.4	920.1	882.4	832.7	800.2	771.1	762.5	755.6
145°	1189.1	1149.7	1072.6	1010.9	966.4	944.1	884.1	841.3	807.0	789.9	786.5
147.5°	1189.1	1148.0	1093.2	1038.4	1000.7	976.7	911.6	884.1	856.7	827.6	813.9
150°	1185.7	1166.9	1108.6	1065.8	1026.4	1007.5	961.3	909.8	880.7	860.2	844.7
152.5°	1177.1	1151.4	1117.2	1079.5	1050.4	1038.4	985.2	952.7	921.8	891.0	879.0
155°	1168.6	1148.0	1122.3	1091.5	1067.5	1052.1	1014.4	981.8	959.5	927.0	915.0
157.5°	1158.3	1144.6	1122.3	1105.2	1077.8	1067.5	1029.8	1007.5	988.7	956.1	940.7
160°	1142.9	1134.3	1120.6	1096.6	1084.6	1076.1	1045.2	1028.1	1009.2	985.2	973.2
162.5°	1127.5	1129.2	1112.0	1106.9	1088.0	1081.2	1060.6	1041.8	1022.9	1009.2	998.9
165°	1115.5	1122.3	1105.2	1088.0	1088.0	1084.6	1062.3	1053.8	1045.2	1029.8	1017.8
167.5°	1093.2	1101.8	1101.8	1081.2	1079.5	1084.6	1070.9	1062.3	1055.5	1043.5	1036.6
170°	1089.8	1089.8	1077.8	1079.5	1084.6	1072.6	1064.1	1062.3	1062.3	1055.5	1050.4
172.5°	1069.2	1079.5	1074.3	1070.9	1065.8	1065.8	1060.6	1062.3	1058.9	1060.6	1058.9
175°	1062.3	1064.1	1065.8	1064.1	1058.9	1058.9	1057.2	1058.9	1060.6	1060.6	1057.2
177.5°	1052.1	1057.2	1065.8	1057.2	1060.6	1053.8	1052.1	1055.5	1055.5	1057.2	1053.8
180°	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1



TEST NUMBER: P508411

CATALOG NUMBER: ASYX-X-S1-X-U-F-L27-1-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°	51.4	54.8	56.5	58.3	60.0	54.8	54.8	49.7	46.3
95°	109.7	118.2	118.2	118.2	123.4	126.8	125.1	123.4	123.4
97.5°	149.1	162.8	173.1	174.8	174.8	174.8	176.5	176.5	173.1
100°	188.5	195.3	202.2	203.9	202.2	202.2	200.5	203.9	202.2
102.5°	226.2	233.0	234.7	236.5	234.7	233.0	229.6	233.0	226.2
105°	258.7	265.6	263.9	262.2	260.4	257.0	253.6	258.7	257.0
107.5°	294.7	296.4	298.1	299.9	293.0	291.3	291.3	294.7	293.0
110°	323.8	330.7	329.0	327.3	327.3	323.8	322.1	323.8	322.1
112.5°	354.7	358.1	356.4	356.4	354.7	349.5	344.4	346.1	344.4
115°	387.2	389.0	387.2	383.8	380.4	377.0	370.1	366.7	365.0
117.5°	421.5	419.8	416.4	414.7	411.2	409.5	399.2	394.1	392.4
120°	460.9	455.8	448.9	447.2	442.1	440.4	426.7	418.1	416.4
122.5°	508.9	500.3	486.6	479.8	478.1	472.9	455.8	452.4	447.2
125°	550.0	546.6	538.0	532.9	526.0	510.6	491.8	483.2	486.6
127.5°	589.4	587.7	584.3	577.4	568.9	562.0	546.6	532.9	529.5
130°	622.0	623.7	618.6	613.4	608.3	601.4	584.3	575.7	575.7
132.5°	652.8	654.5	658.0	644.3	640.8	634.0	618.6	608.3	611.7
135°	676.8	680.2	675.1	670.0	666.5	659.7	644.3	639.1	640.8
137.5°	709.4	705.9	700.8	697.4	688.8	687.1	675.1	666.5	663.1
140°	729.9	731.6	731.6	723.1	714.5	711.1	699.1	690.5	692.2
142.5°	757.3	750.5	753.9	745.4	740.2	735.1	719.7	717.9	717.9
145°	777.9	774.5	772.8	765.9	764.2	753.9	748.8	740.2	745.4
147.5°	800.2	800.2	800.2	784.8	781.3	776.2	771.1	764.2	769.3
150°	832.7	820.7	817.3	808.8	801.9	798.5	786.5	783.1	788.2
152.5°	858.4	844.7	834.5	829.3	827.6	822.5	815.6	810.5	810.5
155°	889.3	870.4	870.4	851.6	846.4	843.0	836.2	834.5	836.2
157.5°	921.8	904.7	896.1	885.9	877.3	873.9	865.3	861.9	865.3
160°	945.8	944.1	925.3	920.1	911.6	906.4	904.7	896.1	896.1
162.5°	983.5	959.5	956.1	951.0	944.1	937.3	933.8	930.4	933.8
165°	1004.1	997.2	988.7	981.8	976.7	975.0	964.7	968.1	966.4
167.5°	1028.1	1022.9	1014.4	1009.2	1010.9	1004.1	1004.1	995.5	997.2
170°	1045.2	1048.6	1038.4	1033.2	1029.8	1029.8	1022.9	1022.9	1026.4
172.5°	1057.2	1062.3	1053.8	1050.4	1046.9	1050.4	1043.5	1041.8	1045.2
175°	1060.6	1067.5	1060.6	1058.9	1055.5	1065.8	1053.8	1053.8	1046.9
177.5°	1057.2	1058.9	1065.8	1055.5	1055.5	1058.9	1060.6	1046.9	1055.5
180°	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1	1052.1

(END OF REPORT)