

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: P508414

Luminaire Tested: **ASYX-X-S1-X-U-F-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508414
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-L40-1-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

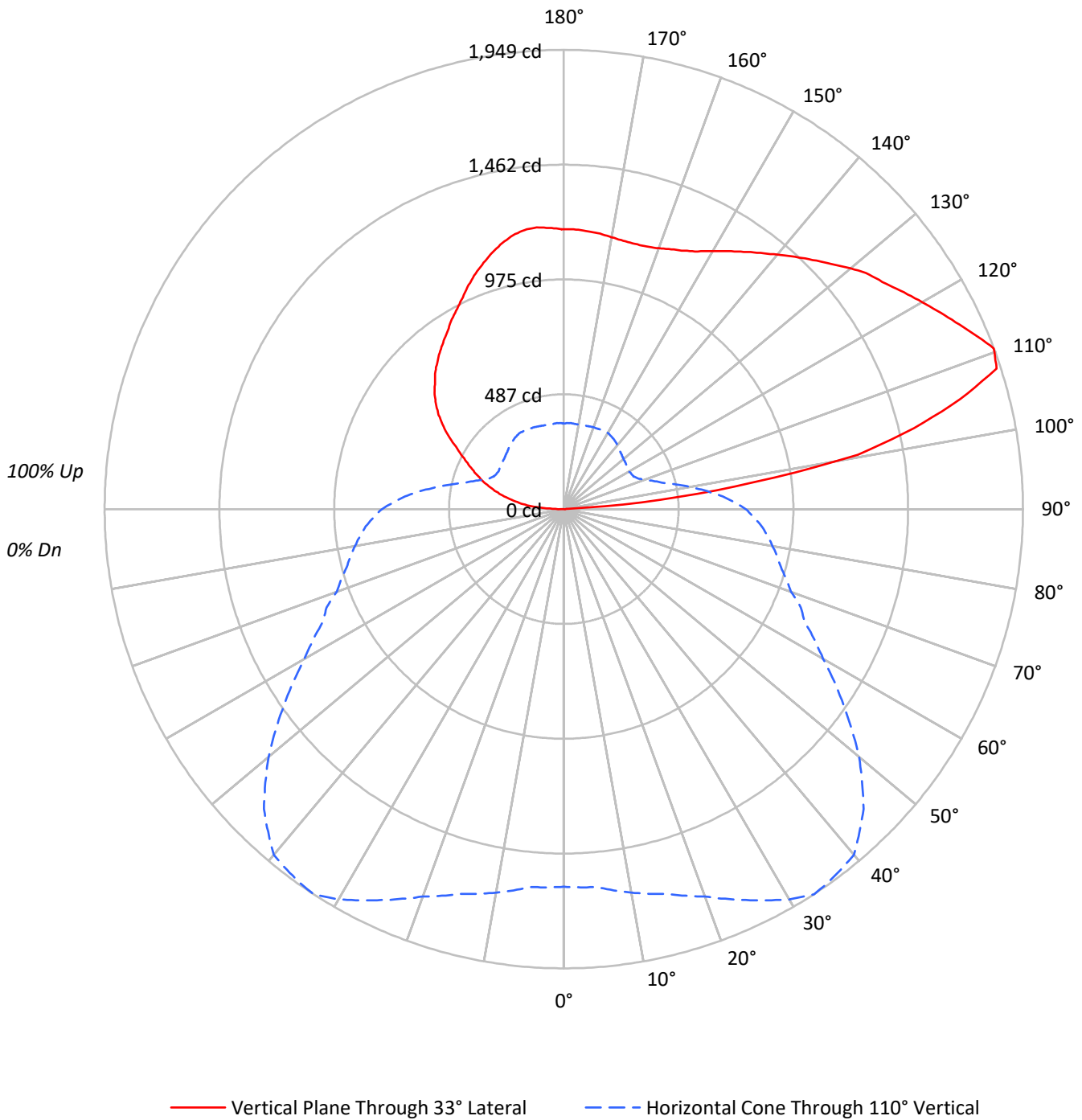
Lumens per Lamp: N/A
Luminaire Lumens: 5640.2 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508414
CATALOG NUMBER: ASYX-X-S1-X-U-F-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	82252	31567	68865
100°	208772	67194	56631
105°	202852	74377	48293
110°	201758	97222	45810
115°	175893	110232	42004
120°	146174	108337	40498
125°	124518	100978	41263
130°	106442	92570	43566
135°	91572	85094	44078
140°	79851	78547	43952
145°	70196	72435	44257
150°	61589	67649	44267
155°	56552	63445	44875
160°	52325	59152	46382
165°	50556	55994	48662
170°	50352	53483	50689
175°	51531	51782	51112



TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	204.7	3.6
100°-110°	755.1	13.4
110°-120°	1024.6	18.2
120°-130°	1020.0	18.1
130°-140°	908.1	16.1
140°-150°	737.9	13.1
150°-160°	541.8	9.6
160°-170°	334.4	5.9
170°-180°	113.6	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°	1984.4	35.2
90°-150°	4650.4	82.5
90°-180°	5640.0	100.0
0°-180°	5640.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	166	246	64	97	139	276
105°	1219	1638	447	263	290	1298
115°	1726	1777	1082	420	412	1688
125°	1659	1659	1345	596	550	1483
135°	1504	1510	1398	753	724	1172
145°	1336	1339	1378	892	842	840
155°	1190	1231	1336	1047	945	549
165°	1134	1175	1256	1163	1092	324
175°	1192	1181	1198	1198	1183	112
180°	1188	1188	1188	1188	1188	



TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-L40-1-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°	9.7	9.7	9.7	11.6	13.5	13.5	17.4	19.4	17.4	25.2	29.0
95°	166.5	191.6	274.9	327.1	323.2	305.8	325.2	381.3	410.3	373.6	317.4
97.5°	418.1	433.6	605.8	687.1	758.7	793.6	824.6	799.4	812.9	805.2	733.6
100°	842.0	892.3	952.3	1035.5	1138.1	1211.7	1267.8	1312.3	1269.7	1202.0	1004.6
102.5°	1078.1	1095.5	1136.2	1178.8	1289.1	1343.3	1399.4	1496.2	1525.2	1511.7	1405.2
105°	1219.4	1229.1	1267.8	1331.7	1416.8	1476.8	1546.5	1672.3	1745.9	1753.6	1761.4
107.5°	1397.5	1418.8	1465.2	1505.9	1606.5	1676.2	1738.1	1867.8	1931.7	1935.6	1908.5
110°	1602.7	1610.4	1653.0	1691.7	1749.8	1790.4	1831.1	1912.3	1949.1	1943.3	1916.2
112.5°	1713.0	1722.7	1738.1	1751.7	1778.8	1796.2	1821.4	1873.6	1894.9	1900.7	1873.6
115°	1726.5	1726.5	1738.1	1740.1	1771.1	1771.1	1782.7	1833.0	1842.7	1850.4	1834.9
117.5°	1714.9	1718.8	1726.5	1722.7	1736.2	1755.6	1751.7	1782.7	1794.3	1788.5	1794.3
120°	1697.5	1693.6	1709.1	1701.4	1711.0	1722.7	1714.9	1738.1	1747.8	1744.0	1763.3
122.5°	1680.1	1680.1	1685.9	1684.0	1680.1	1676.2	1678.1	1693.6	1703.3	1701.4	1713.0
125°	1658.8	1656.9	1654.9	1647.2	1656.9	1651.0	1641.4	1653.0	1660.7	1656.9	1668.5
127.5°	1623.9	1625.9	1622.0	1618.1	1606.5	1604.6	1614.3	1608.5	1627.8	1616.2	1627.8
130°	1589.1	1589.1	1585.2	1577.5	1573.6	1565.9	1563.9	1567.8	1579.4	1583.3	1565.9
132.5°	1562.0	1548.5	1538.8	1533.0	1533.0	1525.2	1521.4	1525.2	1531.0	1540.7	1542.7
135°	1503.9	1496.2	1496.2	1488.5	1500.1	1482.7	1478.8	1484.6	1486.5	1486.5	1498.1
137.5°	1471.0	1451.7	1443.9	1442.0	1440.1	1434.3	1434.3	1442.0	1443.9	1442.0	1451.7
140°	1420.7	1399.4	1407.2	1397.5	1399.4	1389.7	1393.6	1393.6	1401.4	1401.4	1411.0
142.5°	1391.7	1360.7	1356.8	1351.0	1353.0	1349.1	1368.5	1354.9	1362.6	1376.2	1370.4
145°	1335.5	1310.4	1316.2	1310.4	1312.3	1308.4	1318.1	1316.2	1325.9	1323.9	1333.6
147.5°	1275.5	1273.6	1275.5	1271.7	1275.5	1271.7	1283.3	1281.4	1291.0	1296.8	1298.8
150°	1238.8	1231.0	1233.0	1236.8	1233.0	1240.7	1240.7	1248.4	1258.1	1260.1	1267.8
152.5°	1200.1	1198.1	1207.8	1202.0	1205.9	1205.9	1211.7	1213.6	1227.2	1229.1	1248.4
155°	1190.4	1173.0	1173.0	1171.0	1180.7	1180.7	1188.4	1200.1	1205.9	1215.5	1217.5
157.5°	1155.5	1153.6	1153.6	1161.3	1151.7	1163.3	1180.7	1174.9	1190.4	1192.3	1200.1
160°	1142.0	1136.2	1140.1	1143.9	1143.9	1153.6	1167.2	1165.2	1174.9	1186.5	1188.4
162.5°	1149.7	1130.4	1132.3	1142.0	1138.1	1151.7	1153.6	1157.5	1167.2	1171.0	1182.6
165°	1134.2	1128.4	1124.6	1128.4	1140.1	1145.9	1151.7	1155.5	1165.2	1167.2	1173.0
167.5°	1140.1	1138.1	1138.1	1142.0	1149.7	1149.7	1159.4	1157.5	1167.2	1167.2	1171.0
170°	1151.7	1145.9	1149.7	1157.5	1143.9	1165.2	1163.3	1157.5	1173.0	1173.0	1178.8
172.5°	1167.2	1161.3	1163.3	1163.3	1163.3	1174.9	1176.8	1178.8	1180.7	1178.8	1178.8
175°	1192.3	1176.8	1174.9	1174.9	1178.8	1178.8	1182.6	1173.0	1184.6	1184.6	1182.6
177.5°	1186.5	1180.7	1190.4	1180.7	1176.8	1184.6	1190.4	1182.6	1188.4	1182.6	1188.4
180°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4



TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	25.2	25.2	25.2	23.2	21.3	21.3	21.3	21.3	19.4	17.4	17.4
95°	245.8	195.5	178.1	147.1	123.9	114.2	98.7	98.7	73.6	60.0	63.9
97.5°	617.4	480.0	381.3	288.4	274.9	257.4	255.5	216.8	191.6	174.2	151.0
100°	801.3	658.1	571.0	522.6	458.7	429.7	408.4	367.8	342.6	307.8	271.0
102.5°	1190.4	989.1	818.7	675.5	578.7	538.1	511.0	468.4	437.4	402.6	356.1
105°	1637.5	1354.9	1070.4	855.5	725.8	673.6	627.1	584.5	543.9	489.7	447.1
107.5°	1757.5	1552.3	1337.5	1097.5	917.5	865.2	811.0	739.4	685.2	638.7	565.2
110°	1800.1	1635.6	1449.7	1271.7	1126.5	1089.7	1025.9	954.2	900.0	843.9	772.3
112.5°	1782.7	1680.1	1531.0	1372.3	1254.3	1217.5	1171.0	1126.5	1097.5	1054.9	960.0
115°	1776.9	1693.6	1589.1	1447.8	1341.4	1300.7	1263.9	1223.3	1215.5	1186.5	1082.0
117.5°	1751.7	1695.6	1616.2	1502.0	1407.2	1380.1	1343.3	1310.4	1306.5	1277.5	1186.5
120°	1734.3	1687.8	1620.1	1544.6	1463.3	1434.3	1403.3	1378.1	1366.5	1345.2	1258.1
122.5°	1693.6	1676.2	1623.9	1560.1	1486.5	1473.0	1443.9	1401.4	1420.7	1397.5	1314.3
125°	1658.8	1649.1	1635.6	1558.1	1505.9	1488.5	1467.2	1442.0	1447.8	1432.3	1345.2
127.5°	1622.0	1620.1	1610.4	1563.9	1515.6	1507.8	1482.7	1463.3	1459.4	1443.9	1366.5
130°	1593.0	1591.0	1577.5	1546.5	1515.6	1513.6	1488.5	1473.0	1471.0	1457.5	1382.0
132.5°	1550.4	1550.4	1558.1	1527.2	1507.8	1502.0	1490.4	1471.0	1476.8	1447.8	1389.7
135°	1509.7	1511.7	1517.5	1502.0	1513.6	1492.3	1480.7	1455.6	1467.2	1455.6	1397.5
137.5°	1463.3	1469.1	1480.7	1474.9	1480.7	1482.7	1467.2	1461.4	1461.4	1449.7	1395.6
140°	1407.2	1430.4	1451.7	1449.7	1461.4	1459.4	1453.6	1426.5	1451.7	1443.9	1397.5
142.5°	1382.0	1395.6	1420.7	1414.9	1440.1	1440.1	1436.2	1434.3	1440.1	1426.5	1389.7
145°	1339.4	1360.7	1380.1	1391.7	1407.2	1422.6	1416.8	1420.7	1422.6	1422.6	1378.1
147.5°	1312.3	1335.5	1360.7	1364.6	1391.7	1395.6	1397.5	1403.3	1414.9	1399.4	1382.0
150°	1283.3	1298.8	1327.8	1339.4	1368.5	1374.3	1372.3	1380.1	1399.4	1387.8	1360.7
152.5°	1238.8	1271.7	1296.8	1314.3	1335.5	1349.1	1351.0	1351.0	1368.5	1368.5	1353.0
155°	1231.0	1248.4	1271.7	1289.1	1312.3	1325.9	1327.8	1327.8	1345.2	1339.4	1335.5
157.5°	1213.6	1236.8	1256.2	1262.0	1291.0	1302.6	1302.6	1306.5	1322.0	1325.9	1312.3
160°	1202.0	1213.6	1236.8	1254.3	1269.7	1283.3	1285.2	1289.1	1298.8	1296.8	1291.0
162.5°	1184.6	1202.0	1223.3	1233.0	1250.4	1263.9	1262.0	1262.0	1279.4	1283.3	1275.5
165°	1174.9	1194.3	1219.4	1225.2	1236.8	1244.6	1242.6	1248.4	1263.9	1260.1	1256.2
167.5°	1178.8	1188.4	1209.7	1207.8	1221.3	1227.2	1227.2	1223.3	1233.0	1219.4	1231.0
170°	1184.6	1184.6	1196.2	1200.1	1211.7	1217.5	1211.7	1211.7	1217.5	1221.3	1223.3
172.5°	1186.5	1184.6	1194.3	1192.3	1196.2	1205.9	1200.1	1192.3	1203.9	1211.7	1202.0
175°	1180.7	1182.6	1198.1	1194.3	1188.4	1198.1	1188.4	1186.5	1203.9	1202.0	1198.1
177.5°	1174.9	1174.9	1184.6	1176.8	1190.4	1190.4	1180.7	1180.7	1200.1	1186.5	1182.6
180°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4



TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	19.4	21.3	23.2	27.1	29.0	31.0	34.8	38.7	44.5	44.5	52.3
95°	61.9	63.9	63.9	67.7	69.7	69.7	71.6	79.4	87.1	96.8	114.2
97.5°	131.6	116.1	112.3	112.3	114.2	114.2	116.1	120.0	125.8	137.4	154.8
100°	232.3	197.4	172.3	158.7	154.8	152.9	154.8	154.8	164.5	180.0	199.4
102.5°	303.9	257.4	214.8	195.5	187.8	189.7	187.8	191.6	205.2	218.7	240.0
105°	383.2	323.2	269.0	240.0	228.4	226.5	226.5	230.3	245.8	263.2	278.7
107.5°	491.6	416.1	336.8	294.2	276.8	272.9	272.9	278.7	288.4	300.0	317.4
110°	665.8	542.0	431.6	363.9	340.7	327.1	319.4	325.2	331.0	340.7	354.2
112.5°	828.4	675.5	530.3	427.8	396.8	375.5	363.9	363.9	371.6	379.4	389.1
115°	940.7	770.4	613.6	493.6	449.1	429.7	404.5	406.5	412.3	420.0	425.8
117.5°	1041.3	859.4	683.3	555.5	505.2	474.2	449.1	443.2	454.9	464.5	468.4
120°	1113.0	936.8	752.9	619.4	561.3	526.5	491.6	485.8	497.4	499.4	518.7
122.5°	1173.0	993.0	812.9	675.5	613.6	584.5	542.0	534.2	542.0	555.5	571.0
125°	1211.7	1043.3	867.1	727.8	669.7	631.0	586.5	580.7	586.5	596.2	613.6
127.5°	1242.6	1083.9	919.4	782.0	714.2	683.3	638.7	627.1	634.9	638.7	658.1
130°	1265.9	1130.4	967.8	834.2	774.2	743.3	683.3	671.6	675.5	685.2	694.9
132.5°	1289.1	1159.4	1016.2	888.4	830.4	795.5	737.5	712.3	714.2	722.0	731.6
135°	1304.6	1190.4	1066.5	942.6	878.8	851.7	789.7	764.6	754.9	752.9	764.6
137.5°	1320.1	1219.4	1105.2	993.0	938.8	907.8	834.2	805.2	795.5	793.6	797.5
140°	1333.6	1244.6	1140.1	1047.1	993.0	956.2	888.4	851.7	836.2	828.4	832.3
142.5°	1339.4	1265.9	1176.8	1105.2	1039.4	996.8	940.7	903.9	871.0	861.3	853.6
145°	1343.3	1298.8	1211.7	1142.0	1091.7	1066.5	998.8	950.4	911.7	892.3	888.4
147.5°	1343.3	1296.8	1234.9	1173.0	1130.4	1103.3	1029.7	998.8	967.8	934.9	919.4
150°	1339.4	1318.1	1252.3	1203.9	1159.4	1138.1	1085.9	1027.8	994.9	971.7	954.2
152.5°	1329.7	1300.7	1262.0	1219.4	1186.5	1173.0	1113.0	1076.2	1041.3	1006.5	993.0
155°	1320.1	1296.8	1267.8	1233.0	1205.9	1188.4	1145.9	1109.1	1083.9	1047.1	1033.6
157.5°	1308.4	1293.0	1267.8	1248.4	1217.5	1205.9	1163.3	1138.1	1116.8	1080.1	1062.6
160°	1291.0	1281.4	1265.9	1238.8	1225.2	1215.5	1180.7	1161.3	1140.1	1113.0	1099.4
162.5°	1273.6	1275.5	1256.2	1250.4	1229.1	1221.3	1198.1	1176.8	1155.5	1140.1	1128.4
165°	1260.1	1267.8	1248.4	1229.1	1229.1	1225.2	1200.1	1190.4	1180.7	1163.3	1149.7
167.5°	1234.9	1244.6	1244.6	1221.3	1219.4	1225.2	1209.7	1200.1	1192.3	1178.8	1171.0
170°	1231.0	1231.0	1217.5	1219.4	1225.2	1211.7	1202.0	1200.1	1200.1	1192.3	1186.5
172.5°	1207.8	1219.4	1213.6	1209.7	1203.9	1203.9	1198.1	1200.1	1196.2	1198.1	1196.2
175°	1200.1	1202.0	1203.9	1202.0	1196.2	1196.2	1194.3	1196.2	1198.1	1198.1	1194.3
177.5°	1188.4	1194.3	1203.9	1194.3	1198.1	1190.4	1188.4	1192.3	1192.3	1194.3	1190.4
180°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4



TEST NUMBER: P508414

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	58.1	61.9	63.9	65.8	67.7	61.9	61.9	56.1	52.3
95°	123.9	133.6	133.6	133.6	139.4	143.2	141.3	139.4	139.4
97.5°	168.4	183.9	195.5	197.4	197.4	197.4	199.4	199.4	195.5
100°	212.9	220.7	228.4	230.3	228.4	228.4	226.5	230.3	228.4
102.5°	255.5	263.2	265.2	267.1	265.2	263.2	259.4	263.2	255.5
105°	292.3	300.0	298.1	296.1	294.2	290.3	286.5	292.3	290.3
107.5°	332.9	334.9	336.8	338.7	331.0	329.0	329.0	332.9	331.0
110°	365.8	373.6	371.6	369.7	369.7	365.8	363.9	365.8	363.9
112.5°	400.7	404.5	402.6	402.6	400.7	394.9	389.1	391.0	389.1
115°	437.4	439.4	437.4	433.6	429.7	425.8	418.1	414.2	412.3
117.5°	476.2	474.2	470.3	468.4	464.5	462.6	451.0	445.2	443.2
120°	520.7	514.9	507.1	505.2	499.4	497.4	482.0	472.3	470.3
122.5°	574.9	565.2	549.7	542.0	540.0	534.2	514.9	511.0	505.2
125°	621.3	617.4	607.8	602.0	594.2	576.8	555.5	545.8	549.7
127.5°	665.8	663.9	660.0	652.3	642.6	634.9	617.4	602.0	598.1
130°	702.6	704.5	698.7	692.9	687.1	679.4	660.0	650.4	650.4
132.5°	737.5	739.4	743.3	727.8	723.9	716.2	698.7	687.1	691.0
135°	764.6	768.4	762.6	756.8	752.9	745.2	727.8	722.0	723.9
137.5°	801.3	797.5	791.7	787.8	778.1	776.2	762.6	752.9	749.1
140°	824.6	826.5	826.5	816.8	807.1	803.3	789.7	780.0	782.0
142.5°	855.5	847.8	851.7	842.0	836.2	830.4	812.9	811.0	811.0
145°	878.8	874.9	872.9	865.2	863.3	851.7	845.8	836.2	842.0
147.5°	903.9	903.9	903.9	886.5	882.6	876.8	871.0	863.3	869.1
150°	940.7	927.1	923.3	913.6	905.8	902.0	888.4	884.6	890.4
152.5°	969.7	954.2	942.6	936.8	934.9	929.1	921.3	915.5	915.5
155°	1004.6	983.3	983.3	962.0	956.2	952.3	944.6	942.6	944.6
157.5°	1041.3	1022.0	1012.3	1000.7	991.0	987.1	977.5	973.6	977.5
160°	1068.4	1066.5	1045.2	1039.4	1029.7	1023.9	1022.0	1012.3	1012.3
162.5°	1111.0	1083.9	1080.1	1074.2	1066.5	1058.8	1054.9	1051.0	1054.9
165°	1134.2	1126.5	1116.8	1109.1	1103.3	1101.3	1089.7	1093.6	1091.7
167.5°	1161.3	1155.5	1145.9	1140.1	1142.0	1134.2	1134.2	1124.6	1126.5
170°	1180.7	1184.6	1173.0	1167.2	1163.3	1163.3	1155.5	1155.5	1159.4
172.5°	1194.3	1200.1	1190.4	1186.5	1182.6	1186.5	1178.8	1176.8	1180.7
175°	1198.1	1205.9	1198.1	1196.2	1192.3	1203.9	1190.4	1190.4	1182.6
177.5°	1194.3	1196.2	1203.9	1192.3	1192.3	1196.2	1198.1	1182.6	1192.3
180°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4

(END OF REPORT)