

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: P508412

Luminaire Tested: **ASYX-X-S1-X-U-F-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508412
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-L30-1-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

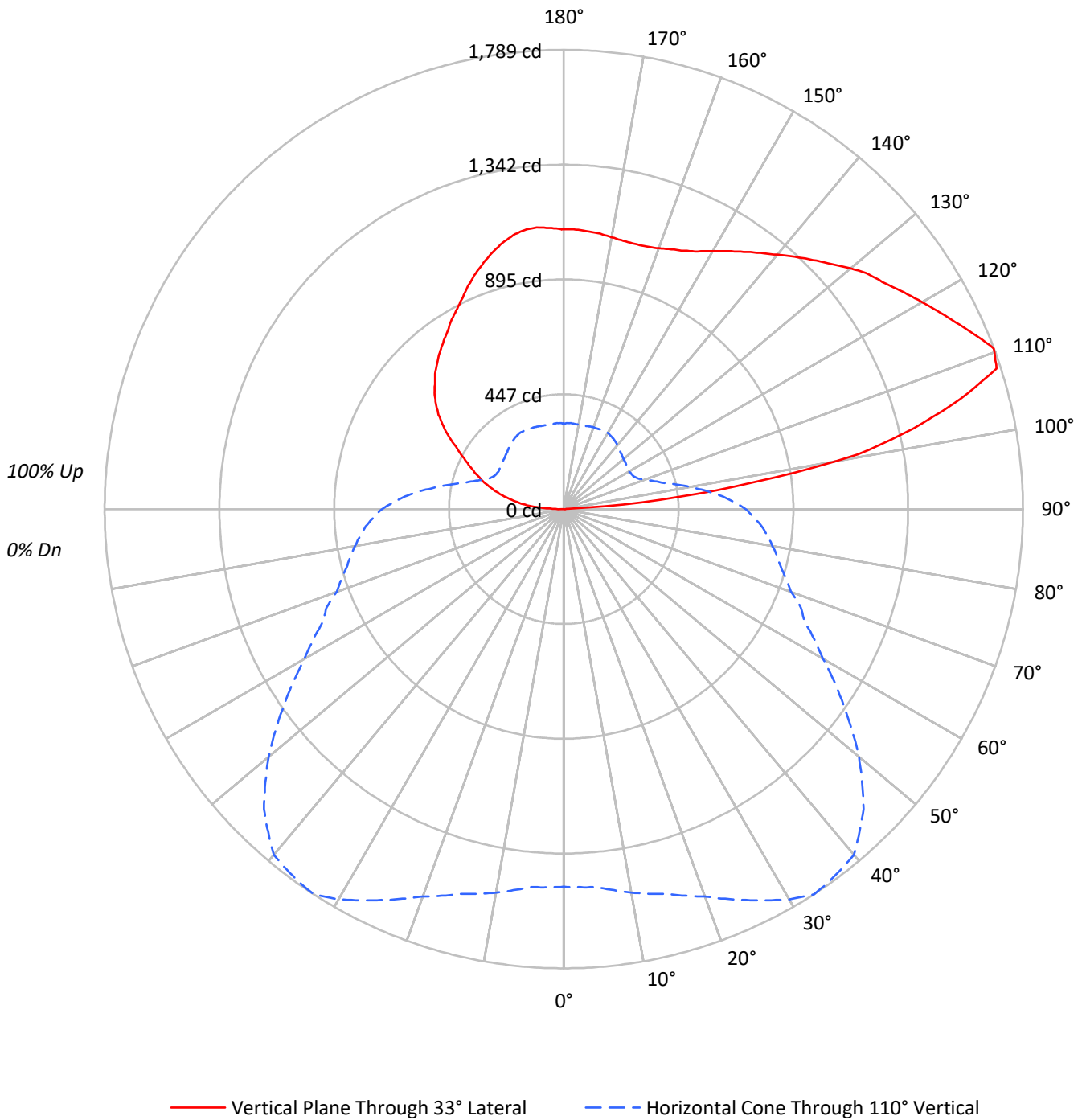
Lumens per Lamp: N/A
Luminaire Lumens: 5177.9 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
N/A
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508412
CATALOG NUMBER: ASYX-X-S1-X-U-F-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-L30-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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°	75484	28949	63184
100°	191664	61689	51995
105°	186234	68288	44333
110°	185217	89253	42059
115°	161477	101196	38561
120°	134196	99459	37183
125°	114309	92706	37878
130°	97721	84981	39989
135°	84071	78116	40467
140°	73308	72106	40350
145°	64445	66501	40630
150°	56537	62106	40638
155°	51915	58248	41193
160°	48037	54305	42579
165°	46415	51403	44673
170°	46225	49097	46535
175°	47309	47538	46924



TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	188.0	3.6
100°-110°	693.2	13.4
110°-120°	940.6	18.2
120°-130°	936.4	18.1
130°-140°	833.6	16.1
140°-150°	677.4	13.1
150°-160°	497.4	9.6
160°-170°	307.0	5.9
170°-180°	104.3	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°	1821.8	35.2
90°-150°	4269.2	82.5
90°-180°	5178.0	100.0
0°-180°	5177.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	153	226	59	89	128	253
105°	1120	1503	410	242	266	1191
115°	1585	1631	993	386	378	1550
125°	1523	1523	1235	547	505	1361
135°	1381	1386	1283	691	665	1076
145°	1226	1230	1265	819	773	771
155°	1093	1130	1226	961	867	504
165°	1041	1079	1153	1068	1002	297
175°	1095	1084	1100	1100	1086	103
180°	1091	1091	1091	1091	1091	



TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-L30-1-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°	8.9	8.9	8.9	10.7	12.4	12.4	16.0	17.8	16.0	23.1	26.7
95°	152.8	175.9	252.3	300.3	296.7	280.8	298.5	350.1	376.7	342.9	291.4
97.5°	383.8	398.0	556.2	630.8	696.6	728.5	757.0	733.9	746.3	739.2	673.5
100°	773.0	819.2	874.2	950.7	1044.8	1112.4	1163.9	1204.8	1165.7	1103.5	922.2
102.5°	989.7	1005.7	1043.1	1082.1	1183.4	1233.2	1284.7	1373.6	1400.2	1387.8	1290.0
105°	1119.5	1128.3	1163.9	1222.5	1300.7	1355.8	1419.8	1535.3	1602.8	1609.9	1617.0
107.5°	1282.9	1302.5	1345.1	1382.4	1474.8	1538.8	1595.7	1714.7	1773.4	1776.9	1752.0
110°	1471.3	1478.4	1517.5	1553.0	1606.3	1643.7	1681.0	1755.6	1789.4	1784.0	1759.2
112.5°	1572.6	1581.5	1595.7	1608.1	1633.0	1649.0	1672.1	1720.1	1739.6	1744.9	1720.1
115°	1585.0	1585.0	1595.7	1597.5	1625.9	1625.9	1636.5	1682.7	1691.6	1698.7	1684.5
117.5°	1574.4	1577.9	1585.0	1581.5	1593.9	1611.7	1608.1	1636.5	1647.2	1641.9	1647.2
120°	1558.4	1554.8	1569.0	1561.9	1570.8	1581.5	1574.4	1595.7	1604.6	1601.0	1618.8
122.5°	1542.4	1542.4	1547.7	1545.9	1542.4	1538.8	1540.6	1554.8	1563.7	1561.9	1572.6
125°	1522.8	1521.0	1519.3	1512.2	1521.0	1515.7	1506.8	1517.5	1524.6	1521.0	1531.7
127.5°	1490.8	1492.6	1489.1	1485.5	1474.8	1473.1	1482.0	1476.6	1494.4	1483.7	1494.4
130°	1458.9	1458.9	1455.3	1448.2	1444.6	1437.5	1435.8	1439.3	1450.0	1453.5	1437.5
132.5°	1434.0	1421.5	1412.7	1407.3	1407.3	1400.2	1396.7	1400.2	1405.5	1414.4	1416.2
135°	1380.7	1373.6	1373.6	1366.5	1377.1	1361.1	1357.6	1362.9	1364.7	1364.7	1375.3
137.5°	1350.5	1332.7	1325.6	1323.8	1322.0	1316.7	1316.7	1323.8	1325.6	1323.8	1332.7
140°	1304.3	1284.7	1291.8	1282.9	1284.7	1275.8	1279.4	1279.4	1286.5	1286.5	1295.4
142.5°	1277.6	1249.2	1245.6	1240.3	1242.1	1238.5	1256.3	1243.8	1251.0	1263.4	1258.1
145°	1226.1	1203.0	1208.3	1203.0	1204.8	1201.2	1210.1	1208.3	1217.2	1215.4	1224.3
147.5°	1171.0	1169.2	1171.0	1167.4	1171.0	1167.4	1178.1	1176.3	1185.2	1190.5	1192.3
150°	1137.2	1130.1	1131.9	1135.5	1131.9	1139.0	1139.0	1146.1	1155.0	1156.8	1163.9
152.5°	1101.7	1099.9	1108.8	1103.5	1107.0	1107.0	1112.4	1114.1	1126.6	1128.3	1146.1
155°	1092.8	1076.8	1076.8	1075.0	1083.9	1083.9	1091.0	1101.7	1107.0	1115.9	1117.7
157.5°	1060.8	1059.0	1059.0	1066.2	1057.3	1067.9	1083.9	1078.6	1092.8	1094.6	1101.7
160°	1048.4	1043.1	1046.6	1050.2	1050.2	1059.0	1071.5	1069.7	1078.6	1089.3	1091.0
162.5°	1055.5	1037.7	1039.5	1048.4	1044.8	1057.3	1059.0	1062.6	1071.5	1075.0	1085.7
165°	1041.3	1035.9	1032.4	1035.9	1046.6	1051.9	1057.3	1060.8	1069.7	1071.5	1076.8
167.5°	1046.6	1044.8	1044.8	1048.4	1055.5	1055.5	1064.4	1062.6	1071.5	1071.5	1075.0
170°	1057.3	1051.9	1055.5	1062.6	1050.2	1069.7	1067.9	1062.6	1076.8	1076.8	1082.1
172.5°	1071.5	1066.2	1067.9	1067.9	1067.9	1078.6	1080.4	1082.1	1083.9	1082.1	1082.1
175°	1094.6	1080.4	1078.6	1078.6	1082.1	1082.1	1085.7	1076.8	1087.5	1087.5	1085.7
177.5°	1089.3	1083.9	1092.8	1083.9	1080.4	1087.5	1092.8	1085.7	1091.0	1085.7	1091.0
180°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0



TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	23.1	23.1	23.1	21.3	19.5	19.5	19.5	19.5	17.8	16.0	16.0
95°	225.7	179.5	163.5	135.0	113.7	104.8	90.6	90.6	67.5	55.1	58.6
97.5°	566.8	440.7	350.1	264.8	252.3	236.3	234.6	199.0	175.9	159.9	138.6
100°	735.6	604.2	524.2	479.8	421.1	394.5	374.9	337.6	314.5	282.5	248.8
102.5°	1092.8	908.0	751.6	620.1	531.3	494.0	469.1	430.0	401.6	369.6	327.0
105°	1503.3	1243.8	982.6	785.4	666.3	618.4	575.7	536.6	499.3	449.6	410.5
107.5°	1613.4	1425.1	1227.9	1007.5	842.3	794.3	744.5	678.8	629.0	586.4	518.9
110°	1652.5	1501.5	1330.9	1167.4	1034.2	1000.4	941.8	876.0	826.3	774.7	709.0
112.5°	1636.5	1542.4	1405.5	1259.8	1151.4	1117.7	1075.0	1034.2	1007.5	968.4	881.4
115°	1631.2	1554.8	1458.9	1329.1	1231.4	1194.1	1160.3	1123.0	1115.9	1089.3	993.3
117.5°	1608.1	1556.6	1483.7	1378.9	1291.8	1266.9	1233.2	1203.0	1199.4	1172.8	1089.3
120°	1592.1	1549.5	1487.3	1418.0	1343.4	1316.7	1288.3	1265.2	1254.5	1235.0	1155.0
122.5°	1554.8	1538.8	1490.8	1432.2	1364.7	1352.2	1325.6	1286.5	1304.3	1282.9	1206.5
125°	1522.8	1513.9	1501.5	1430.4	1382.4	1366.5	1346.9	1323.8	1329.1	1314.9	1235.0
127.5°	1489.1	1487.3	1478.4	1435.8	1391.3	1384.2	1361.1	1343.4	1339.8	1325.6	1254.5
130°	1462.4	1460.6	1448.2	1419.8	1391.3	1389.6	1366.5	1352.2	1350.5	1338.0	1268.7
132.5°	1423.3	1423.3	1430.4	1402.0	1384.2	1378.9	1368.2	1350.5	1355.8	1329.1	1275.8
135°	1386.0	1387.8	1393.1	1378.9	1389.6	1370.0	1359.3	1336.2	1346.9	1336.2	1282.9
137.5°	1343.4	1348.7	1359.3	1354.0	1359.3	1361.1	1346.9	1341.6	1341.6	1330.9	1281.2
140°	1291.8	1313.1	1332.7	1330.9	1341.6	1339.8	1334.5	1309.6	1332.7	1325.6	1282.9
142.5°	1268.7	1281.2	1304.3	1298.9	1322.0	1322.0	1318.5	1316.7	1322.0	1309.6	1275.8
145°	1229.6	1249.2	1266.9	1277.6	1291.8	1306.0	1300.7	1304.3	1306.0	1306.0	1265.2
147.5°	1204.8	1226.1	1249.2	1252.7	1277.6	1281.2	1282.9	1288.3	1298.9	1284.7	1268.7
150°	1178.1	1192.3	1219.0	1229.6	1256.3	1261.6	1259.8	1266.9	1284.7	1274.1	1249.2
152.5°	1137.2	1167.4	1190.5	1206.5	1226.1	1238.5	1240.3	1240.3	1256.3	1256.3	1242.1
155°	1130.1	1146.1	1167.4	1183.4	1204.8	1217.2	1219.0	1219.0	1235.0	1229.6	1226.1
157.5°	1114.1	1135.5	1153.2	1158.6	1185.2	1195.9	1195.9	1199.4	1213.6	1217.2	1204.8
160°	1103.5	1114.1	1135.5	1151.4	1165.7	1178.1	1179.9	1183.4	1192.3	1190.5	1185.2
162.5°	1087.5	1103.5	1123.0	1131.9	1147.9	1160.3	1158.6	1158.6	1174.5	1178.1	1171.0
165°	1078.6	1096.4	1119.5	1124.8	1135.5	1142.6	1140.8	1146.1	1160.3	1156.8	1153.2
167.5°	1082.1	1091.0	1110.6	1108.8	1121.2	1126.6	1126.6	1123.0	1131.9	1119.5	1130.1
170°	1087.5	1087.5	1098.1	1101.7	1112.4	1117.7	1112.4	1112.4	1117.7	1121.2	1123.0
172.5°	1089.3	1087.5	1096.4	1094.6	1098.1	1107.0	1101.7	1094.6	1105.2	1112.4	1103.5
175°	1083.9	1085.7	1099.9	1096.4	1091.0	1099.9	1091.0	1089.3	1105.2	1103.5	1099.9
177.5°	1078.6	1078.6	1087.5	1080.4	1092.8	1092.8	1083.9	1083.9	1101.7	1089.3	1085.7
180°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0



TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	17.8	19.5	21.3	24.9	26.7	28.4	32.0	35.5	40.9	40.9	48.0
95°	56.9	58.6	58.6	62.2	64.0	64.0	65.7	72.9	80.0	88.8	104.8
97.5°	120.8	106.6	103.1	103.1	104.8	104.8	106.6	110.2	115.5	126.2	142.2
100°	213.2	181.2	158.1	145.7	142.2	140.4	142.2	142.2	151.0	165.3	183.0
102.5°	279.0	236.3	197.2	179.5	172.4	174.1	172.4	175.9	188.4	200.8	220.3
105°	351.8	296.7	247.0	220.3	209.7	207.9	207.9	211.5	225.7	241.7	255.9
107.5°	451.3	382.0	309.2	270.1	254.1	250.5	250.5	255.9	264.8	275.4	291.4
110°	611.3	497.5	396.3	334.1	312.7	300.3	293.2	298.5	303.9	312.7	325.2
112.5°	760.5	620.1	486.9	392.7	364.3	344.7	334.1	334.1	341.2	348.3	357.2
115°	863.6	707.2	563.3	453.1	412.2	394.5	371.4	373.2	378.5	385.6	390.9
117.5°	956.0	789.0	627.3	510.0	463.8	435.3	412.2	406.9	417.6	426.5	430.0
120°	1021.7	860.0	691.2	568.6	515.3	483.3	451.3	446.0	456.7	458.4	476.2
122.5°	1076.8	911.6	746.3	620.1	563.3	536.6	497.5	490.4	497.5	510.0	524.2
125°	1112.4	957.8	796.1	668.1	614.8	579.3	538.4	533.1	538.4	547.3	563.3
127.5°	1140.8	995.1	844.0	717.9	655.7	627.3	586.4	575.7	582.8	586.4	604.2
130°	1162.1	1037.7	888.5	765.9	710.8	682.3	627.3	616.6	620.1	629.0	637.9
132.5°	1183.4	1064.4	932.9	815.6	762.3	730.3	677.0	653.9	655.7	662.8	671.7
135°	1197.6	1092.8	979.1	865.4	806.7	781.8	725.0	701.9	693.0	691.2	701.9
137.5°	1211.9	1119.5	1014.6	911.6	861.8	833.4	765.9	739.2	730.3	728.5	732.1
140°	1224.3	1142.6	1046.6	961.3	911.6	877.8	815.6	781.8	767.6	760.5	764.1
142.5°	1229.6	1162.1	1080.4	1014.6	954.2	915.1	863.6	829.8	799.6	790.7	783.6
145°	1233.2	1192.3	1112.4	1048.4	1002.2	979.1	916.9	872.5	836.9	819.2	815.6
147.5°	1233.2	1190.5	1133.7	1076.8	1037.7	1012.8	945.3	916.9	888.5	858.3	844.0
150°	1229.6	1210.1	1149.7	1105.2	1064.4	1044.8	996.9	943.5	913.3	892.0	876.0
152.5°	1220.7	1194.1	1158.6	1119.5	1089.3	1076.8	1021.7	988.0	956.0	924.0	911.6
155°	1211.9	1190.5	1163.9	1131.9	1107.0	1091.0	1051.9	1018.2	995.1	961.3	948.9
157.5°	1201.2	1187.0	1163.9	1146.1	1117.7	1107.0	1067.9	1044.8	1025.3	991.5	975.5
160°	1185.2	1176.3	1162.1	1137.2	1124.8	1115.9	1083.9	1066.2	1046.6	1021.7	1009.3
162.5°	1169.2	1171.0	1153.2	1147.9	1128.3	1121.2	1099.9	1080.4	1060.8	1046.6	1035.9
165°	1156.8	1163.9	1146.1	1128.3	1128.3	1124.8	1101.7	1092.8	1083.9	1067.9	1055.5
167.5°	1133.7	1142.6	1142.6	1121.2	1119.5	1124.8	1110.6	1101.7	1094.6	1082.1	1075.0
170°	1130.1	1130.1	1117.7	1119.5	1124.8	1112.4	1103.5	1101.7	1101.7	1094.6	1089.3
172.5°	1108.8	1119.5	1114.1	1110.6	1105.2	1105.2	1099.9	1101.7	1098.1	1099.9	1098.1
175°	1101.7	1103.5	1105.2	1103.5	1098.1	1098.1	1096.4	1098.1	1099.9	1099.9	1096.4
177.5°	1091.0	1096.4	1105.2	1096.4	1099.9	1092.8	1091.0	1094.6	1094.6	1096.4	1092.8
180°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0



TEST NUMBER: P508412

CATALOG NUMBER: ASYX-X-S1-X-U-F-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°	53.3	56.9	58.6	60.4	62.2	56.9	56.9	51.5	48.0
95°	113.7	122.6	122.6	122.6	127.9	131.5	129.7	127.9	127.9
97.5°	154.6	168.8	179.5	181.2	181.2	181.2	183.0	183.0	179.5
100°	195.5	202.6	209.7	211.5	209.7	209.7	207.9	211.5	209.7
102.5°	234.6	241.7	243.4	245.2	243.4	241.7	238.1	241.7	234.6
105°	268.3	275.4	273.6	271.9	270.1	266.5	263.0	268.3	266.5
107.5°	305.6	307.4	309.2	311.0	303.9	302.1	302.1	305.6	303.9
110°	335.8	342.9	341.2	339.4	339.4	335.8	334.1	335.8	334.1
112.5°	367.8	371.4	369.6	369.6	367.8	362.5	357.2	358.9	357.2
115°	401.6	403.4	401.6	398.0	394.5	390.9	383.8	380.3	378.5
117.5°	437.1	435.3	431.8	430.0	426.5	424.7	414.0	408.7	406.9
120°	478.0	472.7	465.6	463.8	458.4	456.7	442.5	433.6	431.8
122.5°	527.7	518.9	504.6	497.5	495.8	490.4	472.7	469.1	463.8
125°	570.4	566.8	558.0	552.6	545.5	529.5	510.0	501.1	504.6
127.5°	611.3	609.5	605.9	598.8	589.9	582.8	566.8	552.6	549.1
130°	645.0	646.8	641.5	636.1	630.8	623.7	605.9	597.0	597.0
132.5°	677.0	678.8	682.3	668.1	664.6	657.5	641.5	630.8	634.4
135°	701.9	705.4	700.1	694.8	691.2	684.1	668.1	662.8	664.6
137.5°	735.6	732.1	726.8	723.2	714.3	712.5	700.1	691.2	687.7
140°	757.0	758.7	758.7	749.9	741.0	737.4	725.0	716.1	717.9
142.5°	785.4	778.3	781.8	773.0	767.6	762.3	746.3	744.5	744.5
145°	806.7	803.2	801.4	794.3	792.5	781.8	776.5	767.6	773.0
147.5°	829.8	829.8	829.8	813.8	810.3	804.9	799.6	792.5	797.8
150°	863.6	851.1	847.6	838.7	831.6	828.0	815.6	812.1	817.4
152.5°	890.2	876.0	865.4	860.0	858.3	852.9	845.8	840.5	840.5
155°	922.2	902.7	902.7	883.1	877.8	874.2	867.1	865.4	867.1
157.5°	956.0	938.2	929.3	918.7	909.8	906.2	897.3	893.8	897.3
160°	980.9	979.1	959.5	954.2	945.3	940.0	938.2	929.3	929.3
162.5°	1020.0	995.1	991.5	986.2	979.1	972.0	968.4	964.9	968.4
165°	1041.3	1034.2	1025.3	1018.2	1012.8	1011.1	1000.4	1004.0	1002.2
167.5°	1066.2	1060.8	1051.9	1046.6	1048.4	1041.3	1041.3	1032.4	1034.2
170°	1083.9	1087.5	1076.8	1071.5	1067.9	1067.9	1060.8	1060.8	1064.4
172.5°	1096.4	1101.7	1092.8	1089.3	1085.7	1089.3	1082.1	1080.4	1083.9
175°	1099.9	1107.0	1099.9	1098.1	1094.6	1105.2	1092.8	1092.8	1085.7
177.5°	1096.4	1098.1	1105.2	1094.6	1094.6	1098.1	1099.9	1085.7	1094.6
180°	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0	1091.0

(END OF REPORT)