

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: P508413

Luminaire Tested: **ASYX-X-S1-X-U-F-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508413
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-L35-1-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

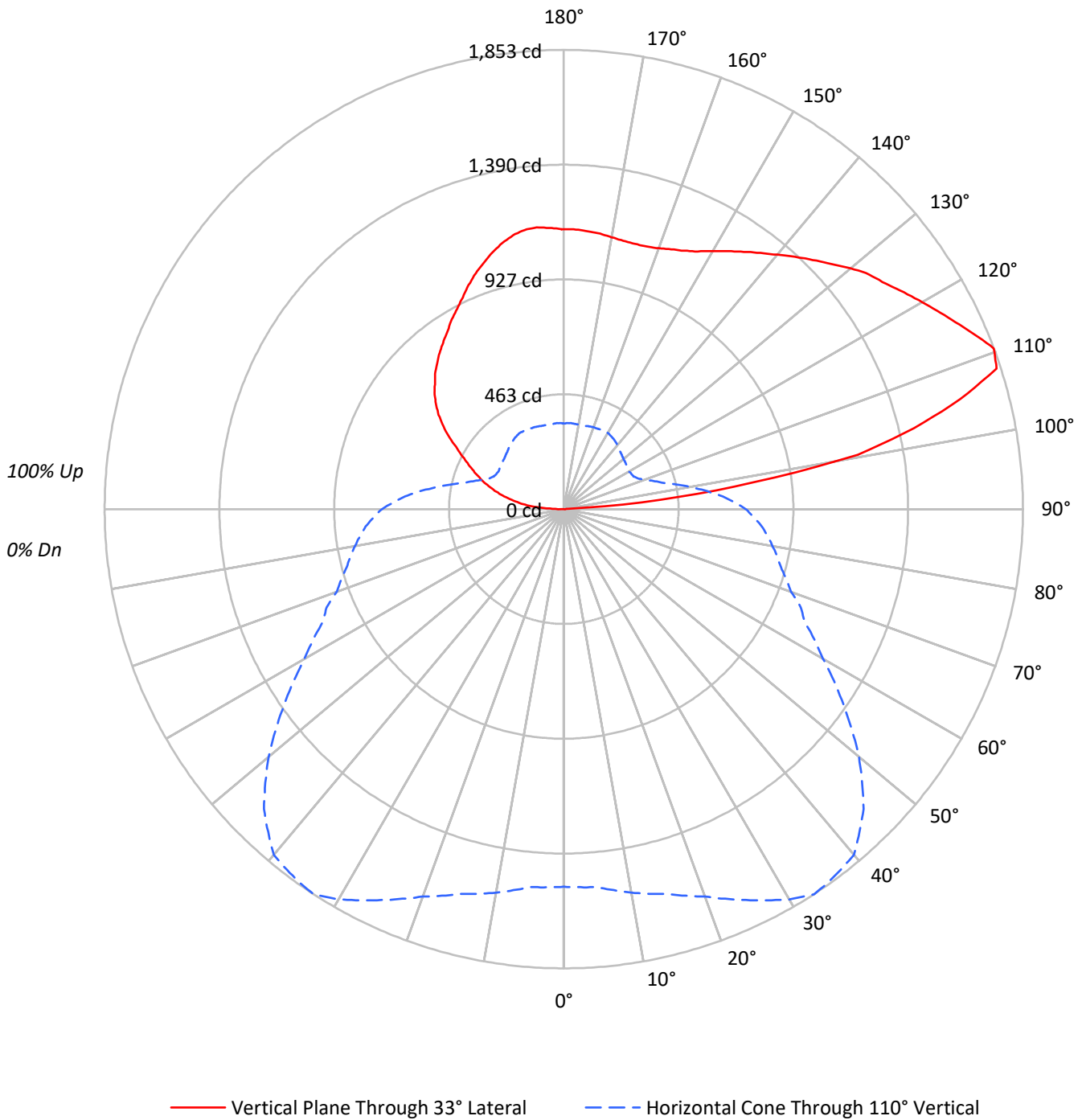
Lumens per Lamp: N/A
Luminaire Lumens: 5362.8 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
N/A
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Indirect

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: P508413
CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	78202	29986	65456
100°	198507	63896	53854
105°	192871	70717	45930
110°	191826	92438	43557
115°	167244	104812	39936
120°	138984	103006	38509
125°	118393	96016	39237
130°	101211	88015	41422
135°	87073	80910	41911
140°	75922	74685	41789
145°	66748	68876	42081
150°	58556	64323	42090
155°	53768	60329	42666
160°	49750	56243	44101
165°	48074	53240	46268
170°	47873	50851	48197
175°	48999	49236	48601



TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	194.7	3.6
100°-110°	718.0	13.4
110°-120°	974.2	18.2
120°-130°	969.9	18.1
130°-140°	863.4	16.1
140°-150°	701.6	13.1
150°-160°	515.2	9.6
160°-170°	317.9	5.9
170°-180°	108.0	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°	1886.8	35.2
90°-150°	4421.7	82.5
90°-180°	5363.0	100.0
0°-180°	5362.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	158	234	61	92	132	262
105°	1159	1557	425	250	276	1234
115°	1642	1690	1029	399	392	1605
125°	1577	1577	1279	567	523	1410
135°	1430	1436	1329	716	688	1114
145°	1270	1274	1310	848	801	799
155°	1132	1170	1270	996	898	522
165°	1078	1117	1194	1106	1038	308
175°	1134	1123	1139	1139	1124	106
180°	1130	1130	1130	1130	1130	



TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	9.2	9.2	9.2	11.0	12.9	12.9	16.6	18.4	16.6	23.9	27.6
95°	158.3	182.2	261.3	311.0	307.3	290.8	309.2	362.6	390.2	355.2	301.8
97.5°	397.5	412.2	576.0	653.3	721.4	754.6	784.0	760.1	773.0	765.6	697.5
100°	800.6	848.4	905.5	984.6	1082.1	1152.1	1205.5	1247.8	1207.3	1142.9	955.2
102.5°	1025.1	1041.7	1080.3	1120.8	1225.7	1277.2	1330.6	1422.6	1450.2	1437.3	1336.1
105°	1159.4	1168.6	1205.5	1266.2	1347.2	1404.2	1470.5	1590.1	1660.0	1667.4	1674.7
107.5°	1328.8	1349.0	1393.2	1431.8	1527.5	1593.8	1652.7	1776.0	1836.7	1840.4	1814.6
110°	1523.8	1531.2	1571.7	1608.5	1663.7	1702.4	1741.0	1818.3	1853.3	1847.7	1822.0
112.5°	1628.7	1637.9	1652.7	1665.5	1691.3	1707.9	1731.8	1781.5	1801.7	1807.3	1781.5
115°	1641.6	1641.6	1652.7	1654.5	1684.0	1684.0	1695.0	1742.8	1752.0	1759.4	1744.7
117.5°	1630.6	1634.3	1641.6	1637.9	1650.8	1669.2	1665.5	1695.0	1706.0	1700.5	1706.0
120°	1614.0	1610.3	1625.1	1617.7	1626.9	1637.9	1630.6	1652.7	1661.9	1658.2	1676.6
122.5°	1597.5	1597.5	1603.0	1601.1	1597.5	1593.8	1595.6	1610.3	1619.5	1617.7	1628.7
125°	1577.2	1575.4	1573.5	1566.2	1575.4	1569.8	1560.6	1571.7	1579.0	1575.4	1586.4
127.5°	1544.1	1545.9	1542.2	1538.6	1527.5	1525.7	1534.9	1529.4	1547.8	1536.7	1547.8
130°	1511.0	1511.0	1507.3	1499.9	1496.2	1488.9	1487.0	1490.7	1501.8	1505.4	1488.9
132.5°	1485.2	1472.3	1463.1	1457.6	1457.6	1450.2	1446.5	1450.2	1455.7	1464.9	1466.8
135°	1430.0	1422.6	1422.6	1415.3	1426.3	1409.7	1406.1	1411.6	1413.4	1413.4	1424.5
137.5°	1398.7	1380.3	1372.9	1371.1	1369.2	1363.7	1363.7	1371.1	1372.9	1371.1	1380.3
140°	1350.8	1330.6	1338.0	1328.8	1330.6	1321.4	1325.1	1325.1	1332.4	1332.4	1341.6
142.5°	1323.2	1293.8	1290.1	1284.6	1286.4	1282.7	1301.2	1288.3	1295.6	1308.5	1303.0
145°	1269.9	1245.9	1251.5	1245.9	1247.8	1244.1	1253.3	1251.5	1260.7	1258.8	1268.0
147.5°	1212.8	1211.0	1212.8	1209.1	1212.8	1209.1	1220.2	1218.3	1227.5	1233.1	1234.9
150°	1177.8	1170.5	1172.3	1176.0	1172.3	1179.7	1179.7	1187.0	1196.2	1198.1	1205.5
152.5°	1141.0	1139.2	1148.4	1142.9	1146.6	1146.6	1152.1	1153.9	1166.8	1168.6	1187.0
155°	1131.8	1115.3	1115.3	1113.4	1122.6	1122.6	1130.0	1141.0	1146.6	1155.8	1157.6
157.5°	1098.7	1096.9	1096.9	1104.2	1095.0	1106.1	1122.6	1117.1	1131.8	1133.7	1141.0
160°	1085.8	1080.3	1084.0	1087.7	1087.7	1096.9	1109.8	1107.9	1117.1	1128.2	1130.0
162.5°	1093.2	1074.8	1076.6	1085.8	1082.1	1095.0	1096.9	1100.5	1109.8	1113.4	1124.5
165°	1078.5	1072.9	1069.3	1072.9	1084.0	1089.5	1095.0	1098.7	1107.9	1109.8	1115.3
167.5°	1084.0	1082.1	1082.1	1085.8	1093.2	1093.2	1102.4	1100.5	1109.8	1109.8	1113.4
170°	1095.0	1089.5	1093.2	1100.5	1087.7	1107.9	1106.1	1100.5	1115.3	1115.3	1120.8
172.5°	1109.8	1104.2	1106.1	1106.1	1106.1	1117.1	1119.0	1120.8	1122.6	1120.8	1120.8
175°	1133.7	1119.0	1117.1	1117.1	1120.8	1120.8	1124.5	1115.3	1126.3	1126.3	1124.5
177.5°	1128.2	1122.6	1131.8	1122.6	1119.0	1126.3	1131.8	1124.5	1130.0	1124.5	1130.0
180°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0



TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	23.9	23.9	23.9	22.1	20.2	20.2	20.2	20.2	18.4	16.6	16.6
95°	233.7	185.9	169.3	139.9	117.8	108.6	93.9	93.9	69.9	57.1	60.7
97.5°	587.1	456.4	362.6	274.2	261.3	244.8	242.9	206.1	182.2	165.6	143.5
100°	761.9	625.7	542.9	496.9	436.2	408.6	388.3	349.7	325.7	292.6	257.7
102.5°	1131.8	940.4	778.5	642.3	550.3	511.6	485.9	445.4	415.9	382.8	338.6
105°	1557.0	1288.3	1017.7	813.4	690.1	640.5	596.3	555.8	517.1	465.6	425.1
107.5°	1671.1	1476.0	1271.7	1043.5	872.3	822.7	771.1	703.0	651.5	607.3	537.4
110°	1711.6	1555.1	1378.4	1209.1	1071.1	1036.1	975.4	907.3	855.8	802.4	734.3
112.5°	1695.0	1597.5	1455.7	1304.8	1192.6	1157.6	1113.4	1071.1	1043.5	1003.0	912.8
115°	1689.5	1610.3	1511.0	1376.6	1275.4	1236.7	1201.8	1163.1	1155.8	1128.2	1028.8
117.5°	1665.5	1612.2	1536.7	1428.1	1338.0	1312.2	1277.2	1245.9	1242.3	1214.7	1128.2
120°	1649.0	1604.8	1540.4	1468.6	1391.3	1363.7	1334.3	1310.4	1299.3	1279.1	1196.2
122.5°	1610.3	1593.8	1544.1	1483.3	1413.4	1400.5	1372.9	1332.4	1350.8	1328.8	1249.6
125°	1577.2	1568.0	1555.1	1481.5	1431.8	1415.3	1395.0	1371.1	1376.6	1361.9	1279.1
127.5°	1542.2	1540.4	1531.2	1487.0	1441.0	1433.7	1409.7	1391.3	1387.6	1372.9	1299.3
130°	1514.6	1512.8	1499.9	1470.5	1441.0	1439.2	1415.3	1400.5	1398.7	1385.8	1314.0
132.5°	1474.1	1474.1	1481.5	1452.1	1433.7	1428.1	1417.1	1398.7	1404.2	1376.6	1321.4
135°	1435.5	1437.3	1442.9	1428.1	1439.2	1418.9	1407.9	1384.0	1395.0	1384.0	1328.8
137.5°	1391.3	1396.9	1407.9	1402.4	1407.9	1409.7	1395.0	1389.5	1389.5	1378.4	1326.9
140°	1338.0	1360.0	1380.3	1378.4	1389.5	1387.6	1382.1	1356.4	1380.3	1372.9	1328.8
142.5°	1314.0	1326.9	1350.8	1345.3	1369.2	1369.2	1365.6	1363.7	1369.2	1356.4	1321.4
145°	1273.5	1293.8	1312.2	1323.2	1338.0	1352.7	1347.2	1350.8	1352.7	1352.7	1310.4
147.5°	1247.8	1269.9	1293.8	1297.5	1323.2	1326.9	1328.8	1334.3	1345.3	1330.6	1314.0
150°	1220.2	1234.9	1262.5	1273.5	1301.2	1306.7	1304.8	1312.2	1330.6	1319.6	1293.8
152.5°	1177.8	1209.1	1233.1	1249.6	1269.9	1282.7	1284.6	1284.6	1301.2	1301.2	1286.4
155°	1170.5	1187.0	1209.1	1225.7	1247.8	1260.7	1262.5	1262.5	1279.1	1273.5	1269.9
157.5°	1153.9	1176.0	1194.4	1199.9	1227.5	1238.6	1238.6	1242.3	1257.0	1260.7	1247.8
160°	1142.9	1153.9	1176.0	1192.6	1207.3	1220.2	1222.0	1225.7	1234.9	1233.1	1227.5
162.5°	1126.3	1142.9	1163.1	1172.3	1188.9	1201.8	1199.9	1199.9	1216.5	1220.2	1212.8
165°	1117.1	1135.5	1159.4	1165.0	1176.0	1183.4	1181.5	1187.0	1201.8	1198.1	1194.4
167.5°	1120.8	1130.0	1150.2	1148.4	1161.3	1166.8	1166.8	1163.1	1172.3	1159.4	1170.5
170°	1126.3	1126.3	1137.4	1141.0	1152.1	1157.6	1152.1	1152.1	1157.6	1161.3	1163.1
172.5°	1128.2	1126.3	1135.5	1133.7	1137.4	1146.6	1141.0	1133.7	1144.7	1152.1	1142.9
175°	1122.6	1124.5	1139.2	1135.5	1130.0	1139.2	1130.0	1128.2	1144.7	1142.9	1139.2
177.5°	1117.1	1117.1	1126.3	1119.0	1131.8	1131.8	1122.6	1122.6	1141.0	1128.2	1124.5
180°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0



TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	18.4	20.2	22.1	25.8	27.6	29.4	33.1	36.8	42.3	42.3	49.7
95°	58.9	60.7	60.7	64.4	66.3	66.3	68.1	75.5	82.8	92.0	108.6
97.5°	125.1	110.4	106.7	106.7	108.6	108.6	110.4	114.1	119.6	130.7	147.2
100°	220.8	187.7	163.8	150.9	147.2	145.4	147.2	147.2	156.4	171.2	189.6
102.5°	288.9	244.8	204.3	185.9	178.5	180.4	178.5	182.2	195.1	208.0	228.2
105°	364.4	307.3	255.8	228.2	217.2	215.3	215.3	219.0	233.7	250.3	265.0
107.5°	467.5	395.7	320.2	279.7	263.2	259.5	259.5	265.0	274.2	285.3	301.8
110°	633.1	515.3	410.4	346.0	323.9	311.0	303.7	309.2	314.7	323.9	336.8
112.5°	787.7	642.3	504.3	406.7	377.3	357.0	346.0	346.0	353.4	360.7	369.9
115°	894.4	732.5	583.4	469.3	427.0	408.6	384.6	386.5	392.0	399.4	404.9
117.5°	990.1	817.1	649.7	528.2	480.3	450.9	427.0	421.4	432.5	441.7	445.4
120°	1058.2	890.7	715.9	588.9	533.7	500.6	467.5	461.9	473.0	474.8	493.2
122.5°	1115.3	944.1	773.0	642.3	583.4	555.8	515.3	507.9	515.3	528.2	542.9
125°	1152.1	992.0	824.5	692.0	636.8	600.0	557.6	552.1	557.6	566.8	583.4
127.5°	1181.5	1030.6	874.2	743.5	679.1	649.7	607.3	596.3	603.6	607.3	625.7
130°	1203.6	1074.8	920.2	793.2	736.2	706.7	649.7	638.6	642.3	651.5	660.7
132.5°	1225.7	1102.4	966.2	844.7	789.5	756.4	701.2	677.3	679.1	686.5	695.7
135°	1240.4	1131.8	1014.1	896.3	835.5	809.8	750.9	727.0	717.7	715.9	727.0
137.5°	1255.1	1159.4	1050.9	944.1	892.6	863.1	793.2	765.6	756.4	754.6	758.2
140°	1268.0	1183.4	1084.0	995.6	944.1	909.1	844.7	809.8	795.0	787.7	791.4
142.5°	1273.5	1203.6	1119.0	1050.9	988.3	947.8	894.4	859.5	828.2	819.0	811.6
145°	1277.2	1234.9	1152.1	1085.8	1038.0	1014.1	949.6	903.6	866.8	848.4	844.7
147.5°	1277.2	1233.1	1174.2	1115.3	1074.8	1049.0	979.1	949.6	920.2	888.9	874.2
150°	1273.5	1253.3	1190.7	1144.7	1102.4	1082.1	1032.5	977.2	946.0	923.9	907.3
152.5°	1264.3	1236.7	1199.9	1159.4	1128.2	1115.3	1058.2	1023.3	990.1	957.0	944.1
155°	1255.1	1233.1	1205.5	1172.3	1146.6	1130.0	1089.5	1054.5	1030.6	995.6	982.8
157.5°	1244.1	1229.4	1205.5	1187.0	1157.6	1146.6	1106.1	1082.1	1061.9	1026.9	1010.4
160°	1227.5	1218.3	1203.6	1177.8	1165.0	1155.8	1122.6	1104.2	1084.0	1058.2	1045.3
162.5°	1211.0	1212.8	1194.4	1188.9	1168.6	1161.3	1139.2	1119.0	1098.7	1084.0	1072.9
165°	1198.1	1205.5	1187.0	1168.6	1168.6	1165.0	1141.0	1131.8	1122.6	1106.1	1093.2
167.5°	1174.2	1183.4	1183.4	1161.3	1159.4	1165.0	1150.2	1141.0	1133.7	1120.8	1113.4
170°	1170.5	1170.5	1157.6	1159.4	1165.0	1152.1	1142.9	1141.0	1141.0	1133.7	1128.2
172.5°	1148.4	1159.4	1153.9	1150.2	1144.7	1144.7	1139.2	1141.0	1137.4	1139.2	1137.4
175°	1141.0	1142.9	1144.7	1142.9	1137.4	1137.4	1135.5	1137.4	1139.2	1139.2	1135.5
177.5°	1130.0	1135.5	1144.7	1135.5	1139.2	1131.8	1130.0	1133.7	1133.7	1135.5	1131.8
180°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0



TEST NUMBER: P508413

CATALOG NUMBER: ASYX-X-S1-X-U-F-L35-1-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°	55.2	58.9	60.7	62.6	64.4	58.9	58.9	53.4	49.7
95°	117.8	127.0	127.0	127.0	132.5	136.2	134.3	132.5	132.5
97.5°	160.1	174.8	185.9	187.7	187.7	187.7	189.6	189.6	185.9
100°	202.4	209.8	217.2	219.0	217.2	217.2	215.3	219.0	217.2
102.5°	242.9	250.3	252.1	254.0	252.1	250.3	246.6	250.3	242.9
105°	277.9	285.3	283.4	281.6	279.7	276.1	272.4	277.9	276.1
107.5°	316.5	318.4	320.2	322.1	314.7	312.9	312.9	316.5	314.7
110°	347.8	355.2	353.4	351.5	351.5	347.8	346.0	347.8	346.0
112.5°	381.0	384.6	382.8	382.8	381.0	375.4	369.9	371.8	369.9
115°	415.9	417.8	415.9	412.2	408.6	404.9	397.5	393.8	392.0
117.5°	452.7	450.9	447.2	445.4	441.7	439.9	428.8	423.3	421.4
120°	495.1	489.5	482.2	480.3	474.8	473.0	458.3	449.1	447.2
122.5°	546.6	537.4	522.7	515.3	513.5	507.9	489.5	485.9	480.3
125°	590.8	587.1	577.9	572.4	565.0	548.4	528.2	519.0	522.7
127.5°	633.1	631.3	627.6	620.2	611.0	603.6	587.1	572.4	568.7
130°	668.1	669.9	664.4	658.9	653.3	646.0	627.6	618.4	618.4
132.5°	701.2	703.0	706.7	692.0	688.3	680.9	664.4	653.3	657.0
135°	727.0	730.6	725.1	719.6	715.9	708.5	692.0	686.5	688.3
137.5°	761.9	758.2	752.7	749.0	739.8	738.0	725.1	715.9	712.2
140°	784.0	785.8	785.8	776.6	767.4	763.8	750.9	741.7	743.5
142.5°	813.4	806.1	809.8	800.6	795.0	789.5	773.0	771.1	771.1
145°	835.5	831.9	830.0	822.7	820.8	809.8	804.2	795.0	800.6
147.5°	859.5	859.5	859.5	842.9	839.2	833.7	828.2	820.8	826.3
150°	894.4	881.5	877.9	868.7	861.3	857.6	844.7	841.1	846.6
152.5°	922.0	907.3	896.3	890.7	888.9	883.4	876.0	870.5	870.5
155°	955.2	934.9	934.9	914.7	909.1	905.5	898.1	896.3	898.1
157.5°	990.1	971.7	962.5	951.5	942.3	938.6	929.4	925.7	929.4
160°	1015.9	1014.1	993.8	988.3	979.1	973.6	971.7	962.5	962.5
162.5°	1056.4	1030.6	1026.9	1021.4	1014.1	1006.7	1003.0	999.3	1003.0
165°	1078.5	1071.1	1061.9	1054.5	1049.0	1047.2	1036.1	1039.8	1038.0
167.5°	1104.2	1098.7	1089.5	1084.0	1085.8	1078.5	1078.5	1069.3	1071.1
170°	1122.6	1126.3	1115.3	1109.8	1106.1	1106.1	1098.7	1098.7	1102.4
172.5°	1135.5	1141.0	1131.8	1128.2	1124.5	1128.2	1120.8	1119.0	1122.6
175°	1139.2	1146.6	1139.2	1137.4	1133.7	1144.7	1131.8	1131.8	1124.5
177.5°	1135.5	1137.4	1144.7	1133.7	1133.7	1137.4	1139.2	1124.5	1133.7
180°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0

(END OF REPORT)