

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: NEO-RAY

Report Number: P333448-930

Luminaire Tested: **S125DIW-S1090D1340U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333448-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1090D1340U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8034.3 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

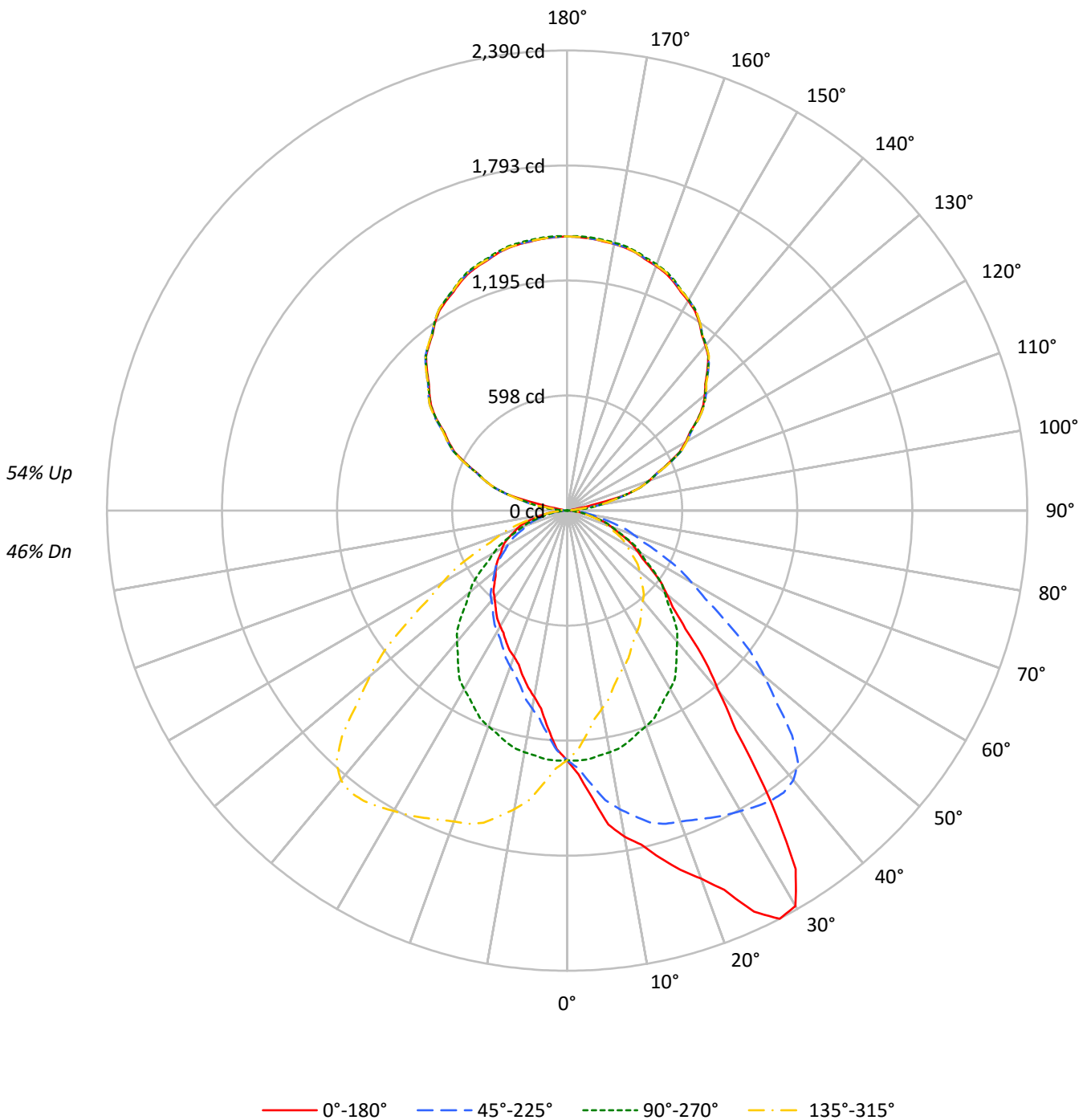
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



54% Up

46% Dn



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39				
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	56	48	43	62	52	45	40	44	39	35	37	33	29	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18				
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.6
10°-20°	371.6	4.6
20°-30°	603.4	7.5
30°-40°	736.0	9.2
40°-50°	669.6	8.3
50°-60°	533.4	6.6
60°-70°	371.5	4.6
70°-80°	198.1	2.5
80°-90°	53.0	0.7
90°-100°	51.7	0.6
100°-110°	318.9	4.0
110°-120°	578.4	7.2
120°-130°	742.3	9.2
130°-140°	798.4	9.9
140°-150°	749.4	9.3
150°-160°	606.3	7.5
160°-170°	392.1	4.9
170°-180°	135.2	1.7
0°-30°	1099.8	13.7
0°-40°	1835.9	22.9
0°-60°	3038.8	37.8
0°-90°	3661.4	45.6
90°-120°	949.1	11.8
90°-150°	3239.3	40.3
90°-180°	4373.0	54.4
0°-180°	8034.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	43
90°	25	1	25	1	25	12
95°	22	60	22	60	22	18
105°	314	310	314	310	314	283
115°	578	583	578	583	578	574
125°	829	829	829	829	829	737
135°	1029	1034	1029	1034	1029	794
145°	1195	1198	1195	1198	1195	746
155°	1310	1320	1310	1320	1310	604
165°	1385	1392	1385	1392	1385	391
175°	1418	1424	1418	1424	1418	135
180°	1424	1424	1424	1424	1424	



TEST NUMBER: P333448-930

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	15.7	16.4	16.6	16.6	16.8	16.6	18.2	17.9	19.0	20.1	21.5
90°	25.4	24.6	23.9	23.2	22.5	21.6	20.4	19.2	18.1	16.9	15.2
92.5°	23.6	23.3	23.0	22.7	22.3	21.6	20.4	19.2	18.1	16.9	15.4
95°	22.2	22.2	22.2	22.2	22.2	21.6	20.4	19.2	18.1	16.9	25.8
97.5°	22.2	22.2	22.2	22.2	22.2	25.4	32.1	38.7	45.3	51.9	69.5
100°	22.2	23.1	24.1	24.9	25.9	43.9	78.8	113.7	148.7	183.7	182.7
102.5°	132.8	148.7	164.7	180.7	196.6	207.9	214.5	221.1	227.7	234.3	233.7
105°	313.5	313.7	314.0	314.2	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	395.3	395.9	396.6	397.3	398.0	398.4	398.4	398.3	398.2	398.2	397.7
110°	451.8	451.6	451.3	451.1	450.9	451.1	451.8	452.5	453.2	453.9	453.5



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	502.5	502.8	503.1	503.4	503.8	504.4	505.3	506.1	507.0	507.9	507.7
115°	578.5	579.8	581.3	582.7	584.1	585.3	586.2	587.2	588.1	589.1	588.8
117.5°	659.6	660.1	660.8	661.4	661.9	662.9	664.1	665.4	666.6	667.8	666.9
120°	709.4	710.5	711.7	712.9	714.0	714.9	715.3	715.8	716.3	716.7	716.1
122.5°	756.7	758.0	759.4	760.8	762.1	763.0	763.4	763.9	764.4	764.9	764.6
125°	828.7	829.3	830.1	830.8	831.4	832.3	833.2	834.1	835.1	836.0	836.0
127.5°	889.2	891.0	892.8	894.5	896.2	897.3	897.8	898.4	898.9	899.4	899.5
130°	933.2	934.3	935.5	936.7	937.8	938.8	939.5	940.2	940.9	941.6	941.3
132.5°	973.7	974.9	976.1	977.2	978.4	979.0	979.2	979.3	979.5	979.6	980.2
135°	1029.2	1030.6	1032.0	1033.5	1034.9	1035.8	1036.2	1036.7	1037.2	1037.6	1038.1
137.5°	1084.9	1086.1	1087.4	1088.6	1089.8	1090.4	1090.3	1090.2	1090.1	1090.1	1090.5
140°	1117.9	1119.3	1120.7	1122.1	1123.5	1124.0	1123.5	1123.1	1122.6	1122.1	1122.3
142.5°	1149.2	1150.6	1151.9	1153.3	1154.8	1155.4	1155.4	1155.2	1155.1	1155.0	1154.7
145°	1195.0	1196.4	1197.8	1199.1	1200.6	1201.2	1200.9	1200.7	1200.4	1200.2	1200.2
147.5°	1232.7	1234.4	1236.1	1237.8	1239.5	1240.2	1239.9	1239.7	1239.3	1239.1	1238.8
150°	1257.2	1259.1	1260.9	1262.8	1264.7	1265.4	1264.9	1264.5	1264.0	1263.6	1263.1
152.5°	1280.0	1281.7	1283.4	1285.1	1286.8	1287.4	1286.9	1286.5	1286.0	1285.5	1285.1
155°	1310.0	1311.9	1313.8	1315.6	1317.5	1318.1	1317.4	1316.7	1316.0	1315.3	1314.8
157.5°	1335.1	1337.0	1338.9	1340.8	1342.6	1343.2	1342.5	1341.7	1340.9	1340.2	1340.2
160°	1351.2	1353.1	1354.9	1356.8	1358.7	1359.2	1358.2	1357.3	1356.3	1355.4	1355.2
162.5°	1365.5	1367.6	1369.6	1371.7	1373.8	1374.2	1372.9	1371.5	1370.2	1368.9	1368.6
165°	1384.9	1386.8	1388.7	1390.6	1392.4	1392.7	1391.3	1389.8	1388.5	1387.1	1386.8
167.5°	1398.5	1400.6	1402.7	1404.8	1406.9	1407.1	1405.4	1403.8	1402.1	1400.4	1400.1
170°	1406.1	1408.2	1410.3	1412.4	1414.5	1414.6	1412.8	1410.9	1409.0	1407.1	1406.9
172.5°	1411.1	1413.2	1415.4	1417.5	1419.6	1419.8	1418.1	1416.4	1414.7	1413.0	1412.6
175°	1417.6	1419.8	1421.9	1424.0	1426.1	1426.2	1424.3	1422.5	1420.6	1418.7	1418.5
177.5°	1421.5	1422.9	1424.5	1426.0	1427.5	1427.6	1426.3	1425.0	1423.7	1422.3	1422.1
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	22.1	20.9	18.8	17.1	14.5	12.9	12.1	12.1	11.2	11.1	11.9
90°	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1	2.9	4.8	6.7
92.5°	13.9	12.6	11.1	11.0	12.3	13.6	14.9	16.2	14.9	13.6	12.3
95°	34.7	43.6	52.5	57.3	58.0	58.8	59.4	60.2	59.4	58.8	58.0
97.5°	87.2	104.8	122.5	130.7	129.4	128.2	126.9	125.6	126.9	128.2	129.4
100°	181.8	180.8	179.9	179.1	178.4	177.7	177.0	176.3	177.0	177.7	178.4
102.5°	233.3	232.7	232.1	231.4	230.5	229.6	228.7	227.8	228.7	229.6	230.5
105°	314.5	314.5	314.5	314.1	313.2	312.3	311.3	310.4	311.3	312.3	313.2
107.5°	397.2	396.8	396.3	396.1	396.1	396.1	396.1	396.1	396.1	396.1	396.1
110°	453.0	452.5	452.0	451.8	451.8	451.8	451.8	451.8	451.8	451.8	451.8



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	507.4	507.1	506.9	506.4	505.8	505.3	504.8	504.2	504.8	505.3	505.8
115°	588.6	588.3	588.1	587.4	586.2	585.1	583.8	582.7	583.8	585.1	586.2
117.5°	666.0	665.1	664.2	663.8	663.8	663.9	663.9	664.0	663.9	663.9	663.8
120°	715.3	714.6	714.0	713.7	714.0	714.2	714.4	714.6	714.4	714.2	714.0
122.5°	764.3	763.9	763.6	763.0	762.1	761.2	760.3	759.4	760.3	761.2	762.1
125°	836.0	836.0	836.0	835.2	833.6	831.9	830.3	828.7	830.3	831.9	833.6
127.5°	899.7	899.8	899.9	899.4	898.2	897.1	895.9	894.7	895.9	897.1	898.2
130°	941.1	940.9	940.7	940.0	938.8	937.6	936.5	935.2	936.5	937.6	938.8
132.5°	980.6	981.1	981.7	981.2	979.9	978.5	977.1	975.8	977.1	978.5	979.9
135°	1038.6	1039.1	1039.5	1039.1	1037.6	1036.2	1034.9	1033.5	1034.9	1036.2	1037.6
137.5°	1090.9	1091.3	1091.7	1091.3	1090.1	1088.8	1087.6	1086.5	1087.6	1088.8	1090.1
140°	1122.6	1122.8	1123.1	1122.9	1122.4	1122.0	1121.5	1121.0	1121.5	1122.0	1122.4
142.5°	1154.4	1154.1	1153.7	1153.4	1153.2	1152.8	1152.6	1152.3	1152.6	1152.8	1153.2
145°	1200.2	1200.2	1200.2	1200.0	1199.5	1199.1	1198.6	1198.1	1198.6	1199.1	1199.5
147.5°	1238.5	1238.2	1238.0	1237.9	1238.0	1238.0	1238.1	1238.2	1238.1	1238.0	1238.0
150°	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1263.1	1262.7	1262.2
152.5°	1284.6	1284.1	1283.6	1283.9	1285.0	1286.0	1287.0	1288.0	1287.0	1286.0	1285.0
155°	1314.3	1313.9	1313.4	1313.9	1315.3	1316.7	1318.1	1319.5	1318.1	1316.7	1315.3
157.5°	1340.1	1340.0	1340.0	1340.4	1341.2	1342.1	1343.0	1343.8	1343.0	1342.1	1341.2
160°	1354.9	1354.7	1354.5	1355.0	1356.4	1357.9	1359.3	1360.7	1359.3	1357.9	1356.4
162.5°	1368.5	1368.2	1368.0	1368.6	1369.9	1371.3	1372.8	1374.2	1372.8	1371.3	1369.9
165°	1386.6	1386.3	1386.1	1386.7	1388.1	1389.5	1390.9	1392.4	1390.9	1389.5	1388.1
167.5°	1399.9	1399.6	1399.5	1400.0	1401.5	1403.0	1404.4	1405.8	1404.4	1403.0	1401.5
170°	1406.6	1406.4	1406.1	1406.9	1408.5	1410.1	1411.9	1413.5	1411.9	1410.1	1408.5
172.5°	1412.2	1411.8	1411.4	1411.9	1413.6	1415.3	1416.9	1418.5	1416.9	1415.3	1413.6
175°	1418.3	1418.1	1417.8	1418.4	1419.8	1421.2	1422.6	1424.0	1422.6	1421.2	1419.8
177.5°	1422.0	1421.8	1421.6	1422.0	1423.2	1424.3	1425.4	1426.5	1425.4	1424.3	1423.2
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	12.7	13.9	13.9	14.6	14.9	16.1	15.9	17.9	19.1	20.1	19.9
90°	8.6	10.4	12.0	13.6	15.2	16.9	18.1	19.2	20.4	21.6	22.5
92.5°	11.0	11.1	12.6	13.9	15.4	16.9	18.1	19.2	20.4	21.6	22.3
95°	57.3	52.5	43.6	34.7	25.8	16.9	18.1	19.2	20.4	21.6	22.2
97.5°	130.7	122.5	104.8	87.2	69.5	51.9	45.3	38.7	32.1	25.4	22.2
100°	179.1	179.9	180.8	181.8	182.7	183.7	148.7	113.7	78.8	43.9	25.9
102.5°	231.4	232.1	232.7	233.3	233.7	234.3	227.7	221.1	214.5	207.9	196.6
105°	314.1	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	396.1	396.3	396.8	397.2	397.7	398.2	398.2	398.3	398.4	398.4	398.0
110°	451.8	452.0	452.5	453.0	453.5	453.9	453.2	452.5	451.8	451.1	450.9



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	506.4	506.9	507.1	507.4	507.7	507.9	507.0	506.1	505.3	504.4	503.8
115°	587.4	588.1	588.3	588.6	588.8	589.1	588.1	587.2	586.2	585.3	584.1
117.5°	663.8	664.2	665.1	666.0	666.9	667.8	666.6	665.4	664.1	662.9	661.9
120°	713.7	714.0	714.6	715.3	716.1	716.7	716.3	715.8	715.3	714.9	714.0
122.5°	763.0	763.6	763.9	764.3	764.6	764.9	764.4	763.9	763.4	763.0	762.1
125°	835.2	836.0	836.0	836.0	836.0	836.0	835.1	834.1	833.2	832.3	831.4
127.5°	899.4	899.9	899.8	899.7	899.5	899.4	898.9	898.4	897.8	897.3	896.2
130°	940.0	940.7	940.9	941.1	941.3	941.6	940.9	940.2	939.5	938.8	937.8
132.5°	981.2	981.7	981.1	980.6	980.2	979.6	979.5	979.3	979.2	979.0	978.4
135°	1039.1	1039.5	1039.1	1038.6	1038.1	1037.6	1037.2	1036.7	1036.2	1035.8	1034.9
137.5°	1091.3	1091.7	1091.3	1090.9	1090.5	1090.1	1090.1	1090.2	1090.3	1090.4	1089.8
140°	1122.9	1123.1	1122.8	1122.6	1122.3	1122.1	1122.6	1123.1	1123.5	1124.0	1123.5
142.5°	1153.4	1153.7	1154.1	1154.4	1154.7	1155.0	1155.1	1155.2	1155.4	1155.4	1154.8
145°	1200.0	1200.2	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7	1200.9	1201.2	1200.6
147.5°	1237.9	1238.0	1238.2	1238.5	1238.8	1239.1	1239.3	1239.7	1239.9	1240.2	1239.5
150°	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1264.0	1264.5	1264.9	1265.4	1264.7
152.5°	1283.9	1283.6	1284.1	1284.6	1285.1	1285.5	1286.0	1286.5	1286.9	1287.4	1286.8
155°	1313.9	1313.4	1313.9	1314.3	1314.8	1315.3	1316.0	1316.7	1317.4	1318.1	1317.5
157.5°	1340.4	1340.0	1340.0	1340.1	1340.2	1340.2	1340.9	1341.7	1342.5	1343.2	1342.6
160°	1355.0	1354.5	1354.7	1354.9	1355.2	1355.4	1356.3	1357.3	1358.2	1359.2	1358.7
162.5°	1368.6	1368.0	1368.2	1368.5	1368.6	1368.9	1370.2	1371.5	1372.9	1374.2	1373.8
165°	1386.7	1386.1	1386.3	1386.6	1386.8	1387.1	1388.5	1389.8	1391.3	1392.7	1392.4
167.5°	1400.0	1399.5	1399.6	1399.9	1400.1	1400.4	1402.1	1403.8	1405.4	1407.1	1406.9
170°	1406.9	1406.1	1406.4	1406.6	1406.9	1407.1	1409.0	1410.9	1412.8	1414.6	1414.5
172.5°	1411.9	1411.4	1411.8	1412.2	1412.6	1413.0	1414.7	1416.4	1418.1	1419.8	1419.6
175°	1418.4	1417.8	1418.1	1418.3	1418.5	1418.7	1420.6	1422.5	1424.3	1426.2	1426.1
177.5°	1422.0	1421.6	1421.8	1422.0	1422.1	1422.3	1423.7	1425.0	1426.3	1427.6	1427.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	21.0	20.6	20.8	21.8	20.8	20.6	21.0	19.9	20.1	19.1	17.9
90°	23.2	23.9	24.6	25.4	24.6	23.9	23.2	22.5	21.6	20.4	19.2
92.5°	22.7	23.0	23.3	23.6	23.3	23.0	22.7	22.3	21.6	20.4	19.2
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.6	20.4	19.2
97.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	25.4	32.1	38.7
100°	24.9	24.1	23.1	22.2	23.1	24.1	24.9	25.9	43.9	78.8	113.7
102.5°	180.7	164.7	148.7	132.8	148.7	164.7	180.7	196.6	207.9	214.5	221.1
105°	314.2	314.0	313.7	313.5	313.7	314.0	314.2	314.5	314.5	314.5	314.5
107.5°	397.3	396.6	395.9	395.3	395.9	396.6	397.3	398.0	398.4	398.4	398.3
110°	451.1	451.3	451.6	451.8	451.6	451.3	451.1	450.9	451.1	451.8	452.5



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	503.4	503.1	502.8	502.5	502.8	503.1	503.4	503.8	504.4	505.3	506.1
115°	582.7	581.3	579.8	578.5	579.8	581.3	582.7	584.1	585.3	586.2	587.2
117.5°	661.4	660.8	660.1	659.6	660.1	660.8	661.4	661.9	662.9	664.1	665.4
120°	712.9	711.7	710.5	709.4	710.5	711.7	712.9	714.0	714.9	715.3	715.8
122.5°	760.8	759.4	758.0	756.7	758.0	759.4	760.8	762.1	763.0	763.4	763.9
125°	830.8	830.1	829.3	828.7	829.3	830.1	830.8	831.4	832.3	833.2	834.1
127.5°	894.5	892.8	891.0	889.2	891.0	892.8	894.5	896.2	897.3	897.8	898.4
130°	936.7	935.5	934.3	933.2	934.3	935.5	936.7	937.8	938.8	939.5	940.2
132.5°	977.2	976.1	974.9	973.7	974.9	976.1	977.2	978.4	979.0	979.2	979.3
135°	1033.5	1032.0	1030.6	1029.2	1030.6	1032.0	1033.5	1034.9	1035.8	1036.2	1036.7
137.5°	1088.6	1087.4	1086.1	1084.9	1086.1	1087.4	1088.6	1089.8	1090.4	1090.3	1090.2
140°	1122.1	1120.7	1119.3	1117.9	1119.3	1120.7	1122.1	1123.5	1124.0	1123.5	1123.1
142.5°	1153.3	1151.9	1150.6	1149.2	1150.6	1151.9	1153.3	1154.8	1155.4	1155.4	1155.2
145°	1199.1	1197.8	1196.4	1195.0	1196.4	1197.8	1199.1	1200.6	1201.2	1200.9	1200.7
147.5°	1237.8	1236.1	1234.4	1232.7	1234.4	1236.1	1237.8	1239.5	1240.2	1239.9	1239.7
150°	1262.8	1260.9	1259.1	1257.2	1259.1	1260.9	1262.8	1264.7	1265.4	1264.9	1264.5
152.5°	1285.1	1283.4	1281.7	1280.0	1281.7	1283.4	1285.1	1286.8	1287.4	1286.9	1286.5
155°	1315.6	1313.8	1311.9	1310.0	1311.9	1313.8	1315.6	1317.5	1318.1	1317.4	1316.7
157.5°	1340.8	1338.9	1337.0	1335.1	1337.0	1338.9	1340.8	1342.6	1343.2	1342.5	1341.7
160°	1356.8	1354.9	1353.1	1351.2	1353.1	1354.9	1356.8	1358.7	1359.2	1358.2	1357.3
162.5°	1371.7	1369.6	1367.6	1365.5	1367.6	1369.6	1371.7	1373.8	1374.2	1372.9	1371.5
165°	1390.6	1388.7	1386.8	1384.9	1386.8	1388.7	1390.6	1392.4	1392.7	1391.3	1389.8
167.5°	1404.8	1402.7	1400.6	1398.5	1400.6	1402.7	1404.8	1406.9	1407.1	1405.4	1403.8
170°	1412.4	1410.3	1408.2	1406.1	1408.2	1410.3	1412.4	1414.5	1414.6	1412.8	1410.9
172.5°	1417.5	1415.4	1413.2	1411.1	1413.2	1415.4	1417.5	1419.6	1419.8	1418.1	1416.4
175°	1424.0	1421.9	1419.8	1417.6	1419.8	1421.9	1424.0	1426.1	1426.2	1424.3	1422.5
177.5°	1426.0	1424.5	1422.9	1421.5	1422.9	1424.5	1426.0	1427.5	1427.6	1426.3	1425.0
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	15.9	16.1	14.9	14.6	13.9	13.9	12.7	11.9	11.1	11.2	12.1
90°	18.1	16.9	15.2	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1
92.5°	18.1	16.9	15.4	13.9	12.6	11.1	11.0	12.3	13.6	14.9	16.2
95°	18.1	16.9	25.8	34.7	43.6	52.5	57.3	58.0	58.8	59.4	60.2
97.5°	45.3	51.9	69.5	87.2	104.8	122.5	130.7	129.4	128.2	126.9	125.6
100°	148.7	183.7	182.7	181.8	180.8	179.9	179.1	178.4	177.7	177.0	176.3
102.5°	227.7	234.3	233.7	233.3	232.7	232.1	231.4	230.5	229.6	228.7	227.8
105°	314.5	314.5	314.5	314.5	314.5	314.5	314.1	313.2	312.3	311.3	310.4
107.5°	398.2	398.2	397.7	397.2	396.8	396.3	396.1	396.1	396.1	396.1	396.1
110°	453.2	453.9	453.5	453.0	452.5	452.0	451.8	451.8	451.8	451.8	451.8



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	507.0	507.9	507.7	507.4	507.1	506.9	506.4	505.8	505.3	504.8	504.2
115°	588.1	589.1	588.8	588.6	588.3	588.1	587.4	586.2	585.1	583.8	582.7
117.5°	666.6	667.8	666.9	666.0	665.1	664.2	663.8	663.8	663.9	663.9	664.0
120°	716.3	716.7	716.1	715.3	714.6	714.0	713.7	714.0	714.2	714.4	714.6
122.5°	764.4	764.9	764.6	764.3	763.9	763.6	763.0	762.1	761.2	760.3	759.4
125°	835.1	836.0	836.0	836.0	836.0	836.0	835.2	833.6	831.9	830.3	828.7
127.5°	898.9	899.4	899.5	899.7	899.8	899.9	899.4	898.2	897.1	895.9	894.7
130°	940.9	941.6	941.3	941.1	940.9	940.7	940.0	938.8	937.6	936.5	935.2
132.5°	979.5	979.6	980.2	980.6	981.1	981.7	981.2	979.9	978.5	977.1	975.8
135°	1037.2	1037.6	1038.1	1038.6	1039.1	1039.5	1039.1	1037.6	1036.2	1034.9	1033.5
137.5°	1090.1	1090.1	1090.5	1090.9	1091.3	1091.7	1091.3	1090.1	1088.8	1087.6	1086.5
140°	1122.6	1122.1	1122.3	1122.6	1122.8	1123.1	1122.9	1122.4	1122.0	1121.5	1121.0
142.5°	1155.1	1155.0	1154.7	1154.4	1154.1	1153.7	1153.4	1153.2	1152.8	1152.6	1152.3
145°	1200.4	1200.2	1200.2	1200.2	1200.2	1200.2	1200.0	1199.5	1199.1	1198.6	1198.1
147.5°	1239.3	1239.1	1238.8	1238.5	1238.2	1238.0	1237.9	1238.0	1238.0	1238.1	1238.2
150°	1264.0	1263.6	1263.1	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6
152.5°	1286.0	1285.5	1285.1	1284.6	1284.1	1283.6	1283.9	1285.0	1286.0	1287.0	1288.0
155°	1316.0	1315.3	1314.8	1314.3	1313.9	1313.4	1313.9	1315.3	1316.7	1318.1	1319.5
157.5°	1340.9	1340.2	1340.2	1340.1	1340.0	1340.0	1340.4	1341.2	1342.1	1343.0	1343.8
160°	1356.3	1355.4	1355.2	1354.9	1354.7	1354.5	1355.0	1356.4	1357.9	1359.3	1360.7
162.5°	1370.2	1368.9	1368.6	1368.5	1368.2	1368.0	1368.6	1369.9	1371.3	1372.8	1374.2
165°	1388.5	1387.1	1386.8	1386.6	1386.3	1386.1	1386.7	1388.1	1389.5	1390.9	1392.4
167.5°	1402.1	1400.4	1400.1	1399.9	1399.6	1399.5	1400.0	1401.5	1403.0	1404.4	1405.8
170°	1409.0	1407.1	1406.9	1406.6	1406.4	1406.1	1406.9	1408.5	1410.1	1411.9	1413.5
172.5°	1414.7	1413.0	1412.6	1412.2	1411.8	1411.4	1411.9	1413.6	1415.3	1416.9	1418.5
175°	1420.6	1418.7	1418.5	1418.3	1418.1	1417.8	1418.4	1419.8	1421.2	1422.6	1424.0
177.5°	1423.7	1422.3	1422.1	1422.0	1421.8	1421.6	1422.0	1423.2	1424.3	1425.4	1426.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	12.1	12.9	14.5	17.1	18.8	20.9	22.1	21.5	20.1	19.0	17.9
90°	2.9	4.8	6.7	8.6	10.4	12.0	13.6	15.2	16.9	18.1	19.2
92.5°	14.9	13.6	12.3	11.0	11.1	12.6	13.9	15.4	16.9	18.1	19.2
95°	59.4	58.8	58.0	57.3	52.5	43.6	34.7	25.8	16.9	18.1	19.2
97.5°	126.9	128.2	129.4	130.7	122.5	104.8	87.2	69.5	51.9	45.3	38.7
100°	177.0	177.7	178.4	179.1	179.9	180.8	181.8	182.7	183.7	148.7	113.7
102.5°	228.7	229.6	230.5	231.4	232.1	232.7	233.3	233.7	234.3	227.7	221.1
105°	311.3	312.3	313.2	314.1	314.5	314.5	314.5	314.5	314.5	314.5	314.5
107.5°	396.1	396.1	396.1	396.1	396.3	396.8	397.2	397.7	398.2	398.2	398.3
110°	451.8	451.8	451.8	451.8	452.0	452.5	453.0	453.5	453.9	453.2	452.5



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	504.8	505.3	505.8	506.4	506.9	507.1	507.4	507.7	507.9	507.0	506.1
115°	583.8	585.1	586.2	587.4	588.1	588.3	588.6	588.8	589.1	588.1	587.2
117.5°	663.9	663.9	663.8	663.8	664.2	665.1	666.0	666.9	667.8	666.6	665.4
120°	714.4	714.2	714.0	713.7	714.0	714.6	715.3	716.1	716.7	716.3	715.8
122.5°	760.3	761.2	762.1	763.0	763.6	763.9	764.3	764.6	764.9	764.4	763.9
125°	830.3	831.9	833.6	835.2	836.0	836.0	836.0	836.0	836.0	835.1	834.1
127.5°	895.9	897.1	898.2	899.4	899.9	899.8	899.7	899.5	899.4	898.9	898.4
130°	936.5	937.6	938.8	940.0	940.7	940.9	941.1	941.3	941.6	940.9	940.2
132.5°	977.1	978.5	979.9	981.2	981.7	981.1	980.6	980.2	979.6	979.5	979.3
135°	1034.9	1036.2	1037.6	1039.1	1039.5	1039.1	1038.6	1038.1	1037.6	1037.2	1036.7
137.5°	1087.6	1088.8	1090.1	1091.3	1091.7	1091.3	1090.9	1090.5	1090.1	1090.1	1090.2
140°	1121.5	1122.0	1122.4	1122.9	1123.1	1122.8	1122.6	1122.3	1122.1	1122.6	1123.1
142.5°	1152.6	1152.8	1153.2	1153.4	1153.7	1154.1	1154.4	1154.7	1155.0	1155.1	1155.2
145°	1198.6	1199.1	1199.5	1200.0	1200.2	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7
147.5°	1238.1	1238.0	1238.0	1237.9	1238.0	1238.2	1238.5	1238.8	1239.1	1239.3	1239.7
150°	1263.1	1262.7	1262.2	1261.7	1261.7	1262.2	1262.7	1263.1	1263.6	1264.0	1264.5
152.5°	1287.0	1286.0	1285.0	1283.9	1283.6	1284.1	1284.6	1285.1	1285.5	1286.0	1286.5
155°	1318.1	1316.7	1315.3	1313.9	1313.4	1313.9	1314.3	1314.8	1315.3	1316.0	1316.7
157.5°	1343.0	1342.1	1341.2	1340.4	1340.0	1340.0	1340.1	1340.2	1340.2	1340.9	1341.7
160°	1359.3	1357.9	1356.4	1355.0	1354.5	1354.7	1354.9	1355.2	1355.4	1356.3	1357.3
162.5°	1372.8	1371.3	1369.9	1368.6	1368.0	1368.2	1368.5	1368.6	1368.9	1370.2	1371.5
165°	1390.9	1389.5	1388.1	1386.7	1386.1	1386.3	1386.6	1386.8	1387.1	1388.5	1389.8
167.5°	1404.4	1403.0	1401.5	1400.0	1399.5	1399.6	1399.9	1400.1	1400.4	1402.1	1403.8
170°	1411.9	1410.1	1408.5	1406.9	1406.1	1406.4	1406.6	1406.9	1407.1	1409.0	1410.9
172.5°	1416.9	1415.3	1413.6	1411.9	1411.4	1411.8	1412.2	1412.6	1413.0	1414.7	1416.4
175°	1422.6	1421.2	1419.8	1418.4	1417.8	1418.1	1418.3	1418.5	1418.7	1420.6	1422.5
177.5°	1425.4	1424.3	1423.2	1422.0	1421.6	1421.8	1422.0	1422.1	1422.3	1423.7	1425.0
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	18.2	16.6	16.8	16.6	16.6	16.4	15.7
90°	20.4	21.6	22.5	23.2	23.9	24.6	25.4
92.5°	20.4	21.6	22.3	22.7	23.0	23.3	23.6
95°	20.4	21.6	22.2	22.2	22.2	22.2	22.2
97.5°	32.1	25.4	22.2	22.2	22.2	22.2	22.2
100°	78.8	43.9	25.9	24.9	24.1	23.1	22.2
102.5°	214.5	207.9	196.6	180.7	164.7	148.7	132.8
105°	314.5	314.5	314.5	314.2	314.0	313.7	313.5
107.5°	398.4	398.4	398.0	397.3	396.6	395.9	395.3
110°	451.8	451.1	450.9	451.1	451.3	451.6	451.8



TEST NUMBER: P333448-930

CATALOG NUMBER: S125DIW-S1090D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	505.3	504.4	503.8	503.4	503.1	502.8	502.5
115°	586.2	585.3	584.1	582.7	581.3	579.8	578.5
117.5°	664.1	662.9	661.9	661.4	660.8	660.1	659.6
120°	715.3	714.9	714.0	712.9	711.7	710.5	709.4
122.5°	763.4	763.0	762.1	760.8	759.4	758.0	756.7
125°	833.2	832.3	831.4	830.8	830.1	829.3	828.7
127.5°	897.8	897.3	896.2	894.5	892.8	891.0	889.2
130°	939.5	938.8	937.8	936.7	935.5	934.3	933.2
132.5°	979.2	979.0	978.4	977.2	976.1	974.9	973.7
135°	1036.2	1035.8	1034.9	1033.5	1032.0	1030.6	1029.2
137.5°	1090.3	1090.4	1089.8	1088.6	1087.4	1086.1	1084.9
140°	1123.5	1124.0	1123.5	1122.1	1120.7	1119.3	1117.9
142.5°	1155.4	1155.4	1154.8	1153.3	1151.9	1150.6	1149.2
145°	1200.9	1201.2	1200.6	1199.1	1197.8	1196.4	1195.0
147.5°	1239.9	1240.2	1239.5	1237.8	1236.1	1234.4	1232.7
150°	1264.9	1265.4	1264.7	1262.8	1260.9	1259.1	1257.2
152.5°	1286.9	1287.4	1286.8	1285.1	1283.4	1281.7	1280.0
155°	1317.4	1318.1	1317.5	1315.6	1313.8	1311.9	1310.0
157.5°	1342.5	1343.2	1342.6	1340.8	1338.9	1337.0	1335.1
160°	1358.2	1359.2	1358.7	1356.8	1354.9	1353.1	1351.2
162.5°	1372.9	1374.2	1373.8	1371.7	1369.6	1367.6	1365.5
165°	1391.3	1392.7	1392.4	1390.6	1388.7	1386.8	1384.9
167.5°	1405.4	1407.1	1406.9	1404.8	1402.7	1400.6	1398.5
170°	1412.8	1414.6	1414.5	1412.4	1410.3	1408.2	1406.1
172.5°	1418.1	1419.8	1419.6	1417.5	1415.4	1413.2	1411.1
175°	1424.3	1426.2	1426.1	1424.0	1421.9	1419.8	1417.6
177.5°	1426.3	1427.6	1427.5	1426.0	1424.5	1422.9	1421.5
180°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0

(END OF REPORT)