

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: P333071-840

Luminaire Tested: **S124RDIW-S795D1560U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333071-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S795D1560U840-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9673.9 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

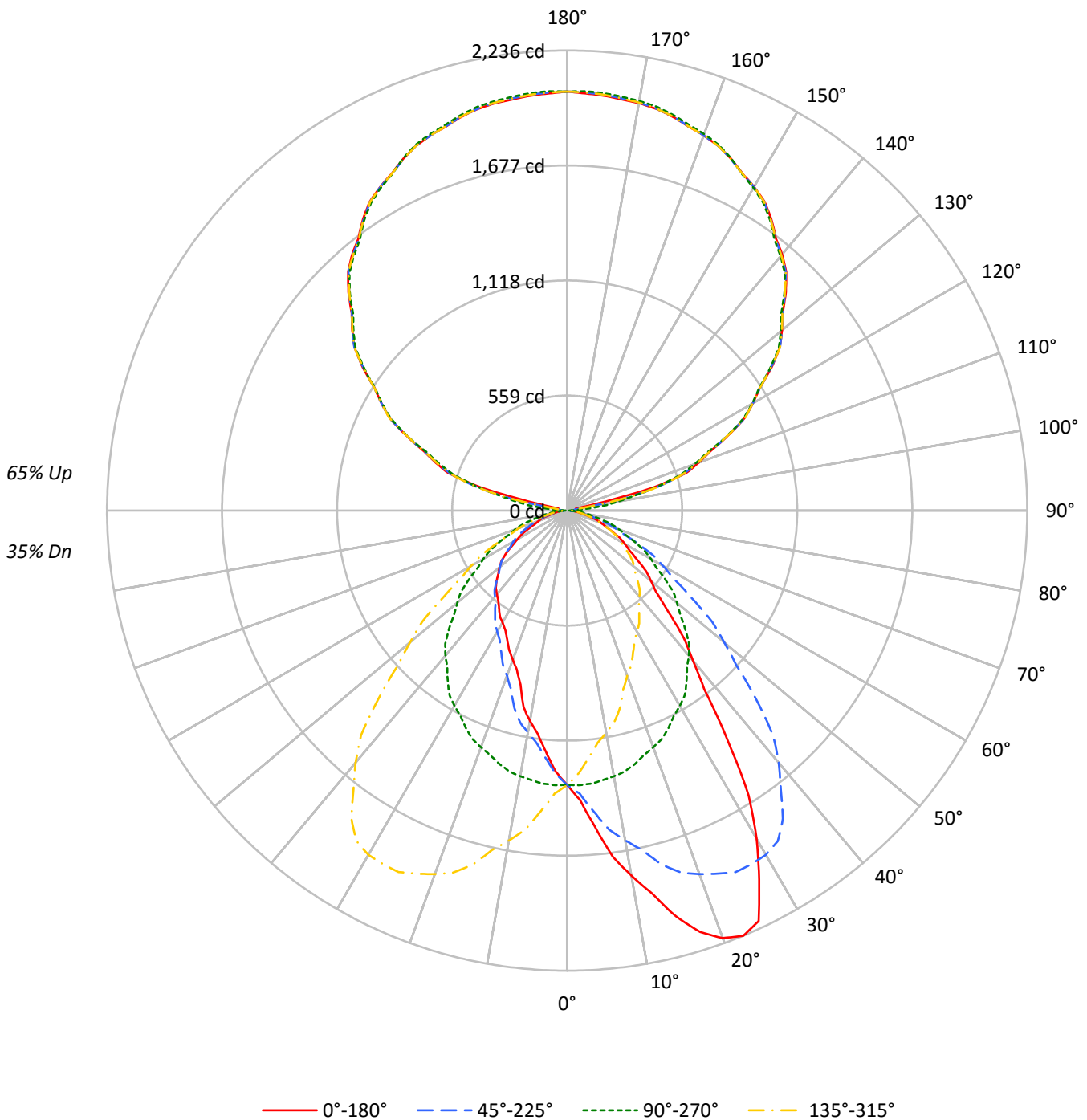
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	34	32	31	26
3	79	70	63	58	71	64	58	53	52	47	44	40	38	35	30	28	27	22
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19
5	66	55	48	42	60	50	44	39	41	36	32	33	29	26	24	22	20	17
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	20	18	15
7	57	45	37	32	51	41	34	29	34	29	25	27	23	20	20	18	16	13
8	52	41	33	28	47	37	31	26	31	26	22	24	21	18	19	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10761	10761	10761	10761
5°	12482	10794	9541	10794
10°	14767	10747	8515	10747
15°	17057	10647	7317	10647
20°	18991	10511	6617	10511
25°	19605	10377	6143	10377
30°	17162	10213	5857	10213
35°	13360	9973	5685	9973
40°	10019	9695	5593	9695
45°	7911	9252	5543	9252
50°	6678	8743	5383	8743
55°	5820	8179	5095	8179
60°	5238	7597	4510	7597
65°	4617	6967	3878	6967
70°	4157	6314	3498	6314
75°	3484	5596	2982	5596
80°	2947	4770	2799	4770
85°	2492	3733	2492	3733



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.2	1.3
10°-20°	389.6	4.0
20°-30°	609.4	6.3
30°-40°	677.4	7.0
40°-50°	601.0	6.2
50°-60°	468.4	4.8
60°-70°	306.6	3.2
70°-80°	150.8	1.6
80°-90°	43.1	0.4
90°-100°	69.6	0.7
100°-110°	444.0	4.6
110°-120°	849.4	8.8
120°-130°	1078.3	11.1
130°-140°	1153.7	11.9
140°-150°	1078.8	11.2
150°-160°	870.0	9.0
160°-170°	561.1	5.8
170°-180°	193.4	2.0
0°-30°	1128.1	11.7
0°-40°	1805.6	18.7
0°-60°	2875.0	29.7
0°-90°	3375.5	34.9
90°-120°	1363.1	14.1
90°-150°	4673.9	48.3
90°-180°	6298.0	65.1
0°-180°	9673.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1333	1333	1333	1333	1333	
5°	1540	1332	1177	1332	1540	156
15°	2041	1274	876	1274	2041	580
25°	2201	1165	690	1165	2201	976
35°	1356	1012	577	1012	1356	850
45°	693	810	486	810	693	549
55°	414	581	362	581	414	376
65°	242	365	203	365	242	243
75°	112	179	96	179	112	123
85°	27	40	27	40	27	31
90°	46	4	46	4	46	21
95°	44	84	44	84	44	35
105°	434	458	434	458	434	379
115°	862	856	862	856	862	853
125°	1212	1203	1212	1203	1212	1080
135°	1503	1492	1503	1492	1503	1157
145°	1730	1721	1730	1721	1730	1081
155°	1885	1887	1885	1887	1885	869
165°	1981	1990	1981	1990	1981	560
175°	2024	2036	2024	2036	2024	193
180°	2036	2036	2036	2036	2036	



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1406.0	1410.0	1406.0	1405.6	1401.4	1400.1	1398.4	1392.8	1382.4	1376.4	1377.8
5°	1540.3	1553.8	1546.3	1545.2	1533.4	1521.6	1514.0	1496.8	1478.5	1466.2	1456.0
7.5°	1695.7	1703.4	1698.7	1691.1	1672.0	1661.2	1643.8	1621.1	1588.4	1563.4	1540.4
10°	1801.4	1807.9	1805.6	1791.7	1777.8	1749.3	1733.1	1701.5	1660.1	1627.4	1596.8
12.5°	1905.3	1912.3	1893.3	1894.0	1867.5	1845.1	1819.6	1779.7	1731.9	1689.7	1651.3
15°	2040.9	2032.4	2032.4	2021.5	1992.1	1960.9	1934.6	1892.7	1832.5	1782.0	1728.9
17.5°	2147.1	2150.0	2145.7	2120.3	2097.1	2064.9	2016.6	1967.7	1911.9	1844.1	1789.8
20°	2210.6	2210.6	2205.8	2188.6	2158.6	2124.2	2072.0	2018.9	1948.0	1879.8	1818.6
22.5°	2236.4	2238.2	2232.4	2218.3	2191.2	2157.7	2113.3	2059.3	1986.2	1909.5	1833.6
25°	2201.0	2211.2	2212.2	2208.5	2200.4	2180.0	2141.9	2086.6	2021.0	1937.8	1856.1
27.5°	2020.7	2033.6	2044.9	2063.5	2088.2	2101.0	2102.7	2074.7	2017.5	1937.3	1855.2
30°	1841.1	1851.9	1886.7	1932.4	1967.9	2000.1	2028.0	2035.6	2003.4	1931.4	1844.9
32.5°	1641.7	1656.4	1691.3	1740.4	1799.5	1854.0	1916.7	1948.7	1947.9	1904.7	1824.7
35°	1355.6	1366.3	1398.6	1450.2	1521.1	1602.2	1701.5	1778.8	1831.5	1827.7	1778.8
37.5°	1093.3	1105.4	1138.0	1180.7	1249.5	1349.9	1446.0	1552.6	1649.9	1704.6	1688.3
40°	950.7	951.2	982.9	1026.9	1091.4	1178.9	1283.6	1401.8	1510.3	1598.9	1616.1
42.5°	838.1	838.2	859.1	906.6	953.0	1035.4	1135.4	1252.7	1379.7	1482.1	1527.6
45°	692.9	697.7	714.9	743.4	779.8	849.7	929.7	1038.7	1181.0	1302.4	1378.2
47.5°	586.7	593.8	604.7	627.9	657.0	703.6	769.7	867.7	983.5	1117.0	1224.8
50°	531.7	532.8	546.7	559.7	584.9	622.0	679.9	761.5	867.9	996.3	1116.1
52.5°	484.4	484.2	492.6	509.0	529.5	558.4	605.2	679.5	773.9	888.9	1012.5
55°	413.5	416.3	422.7	435.6	451.1	471.6	508.6	564.5	638.6	736.9	849.1
57.5°	359.6	361.0	366.1	371.5	385.9	400.7	428.5	467.3	529.8	610.3	714.9
60°	324.4	325.0	326.6	334.6	345.9	359.8	378.6	411.4	464.0	537.7	620.4
62.5°	290.0	290.9	293.5	299.3	308.1	317.7	337.4	363.8	407.3	470.2	544.7
65°	241.7	242.3	246.0	248.1	255.1	263.7	278.2	295.9	326.0	378.6	435.0
67.5°	202.0	202.0	202.2	205.1	209.8	215.6	224.3	238.4	261.2	293.5	343.2
70°	176.1	176.1	177.2	178.8	181.6	186.3	191.2	202.0	218.6	244.9	283.1
72.5°	152.1	152.5	153.6	153.9	155.3	159.3	162.9	169.8	182.1	202.0	232.8
75°	111.7	113.3	116.0	118.2	120.9	120.3	124.1	128.4	132.1	143.9	161.7
77.5°	83.1	82.3	82.6	84.4	84.7	85.3	88.0	91.3	94.1	99.7	106.0
80°	63.4	63.4	65.0	65.5	65.0	65.5	68.2	69.8	70.9	73.0	79.0
82.5°	47.9	48.8	48.3	48.8	49.1	49.6	51.9	52.2	53.3	54.1	56.7
85°	26.9	27.4	28.0	26.9	26.9	26.9	28.0	28.5	29.6	29.0	30.1
87.5°	18.6	18.0	18.3	18.2	18.5	17.8	17.8	18.3	17.0	17.0	16.5
90°	45.6	45.0	44.3	43.6	43.0	41.6	39.6	37.6	35.5	33.5	30.8
92.5°	42.0	41.9	41.8	41.6	41.5	40.4	38.4	36.4	34.3	32.3	29.6
95°	44.1	43.8	43.5	43.1	42.8	41.6	39.6	37.6	35.5	33.5	33.1
97.5°	42.6	42.3	42.0	41.6	41.3	41.0	40.8	40.6	40.4	40.2	78.0
100°	42.6	42.3	42.0	41.6	41.3	44.0	49.8	55.5	61.3	67.1	113.7
102.5°	43.8	43.8	43.7	43.6	43.6	74.6	136.6	198.7	260.7	322.9	328.9
105°	434.0	446.3	458.4	470.6	482.7	487.4	484.3	481.2	478.2	475.1	473.4
107.5°	604.9	603.6	602.3	601.1	599.8	598.3	596.9	595.4	593.9	592.4	590.1
110°	679.2	678.2	677.2	676.2	675.2	674.3	673.7	673.0	672.3	671.6	669.5



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	753.6	752.2	750.9	749.7	748.4	747.8	747.9	748.1	748.2	748.4	747.4
115°	862.0	862.0	862.0	862.0	862.0	861.6	860.9	860.3	859.6	858.9	859.3
117.5°	972.2	972.4	972.5	972.6	972.8	972.9	973.0	973.2	973.3	973.4	972.7
120°	1041.7	1042.4	1043.0	1043.7	1044.4	1044.4	1043.7	1043.0	1042.4	1041.7	1042.0
122.5°	1109.9	1110.5	1111.3	1112.0	1112.6	1112.8	1112.4	1112.0	1111.6	1111.2	1110.6
125°	1212.2	1211.9	1211.5	1211.2	1210.9	1210.2	1209.2	1208.2	1207.2	1206.2	1206.8
127.5°	1302.1	1302.3	1302.6	1302.9	1303.1	1303.4	1303.6	1303.8	1304.0	1304.2	1302.6
130°	1363.0	1363.0	1363.0	1363.0	1363.0	1362.8	1362.5	1362.2	1361.8	1361.5	1360.5
132.5°	1419.1	1419.4	1419.6	1419.9	1420.2	1420.1	1419.8	1419.5	1419.1	1418.8	1417.4
135°	1503.1	1502.5	1501.8	1501.1	1500.5	1499.8	1499.0	1498.3	1497.7	1497.0	1495.7
137.5°	1575.0	1575.2	1575.4	1575.6	1575.8	1575.6	1574.8	1574.1	1573.3	1572.6	1571.0
140°	1625.0	1624.6	1624.3	1624.0	1623.6	1623.0	1621.9	1620.9	1619.9	1618.8	1618.2
142.5°	1666.4	1666.3	1666.3	1666.2	1666.1	1665.7	1665.0	1664.3	1663.4	1662.7	1662.3
145°	1730.0	1729.4	1728.7	1728.0	1727.4	1726.8	1726.5	1726.2	1725.8	1725.5	1725.5
147.5°	1782.7	1782.4	1782.0	1781.7	1781.4	1781.1	1780.8	1780.5	1780.3	1780.0	1780.3
150°	1816.8	1816.5	1816.1	1815.8	1815.5	1815.3	1815.3	1815.3	1815.3	1815.3	1815.6
152.5°	1846.0	1846.2	1846.4	1846.6	1846.8	1846.7	1846.1	1845.6	1845.1	1844.5	1845.1
155°	1885.4	1886.4	1887.4	1888.4	1889.5	1889.3	1887.9	1886.5	1885.2	1883.8	1884.9
157.5°	1918.2	1920.1	1921.8	1923.6	1925.3	1925.3	1923.6	1921.8	1920.1	1918.2	1919.5
160°	1940.2	1942.3	1944.3	1946.3	1948.3	1948.3	1946.3	1944.3	1942.3	1940.2	1940.6
162.5°	1957.2	1959.5	1961.9	1964.2	1966.4	1966.6	1964.6	1962.6	1960.5	1958.4	1958.8
165°	1981.4	1984.4	1987.4	1990.4	1993.5	1993.7	1990.9	1988.2	1985.5	1982.9	1982.9
167.5°	1999.3	2002.7	2006.1	2009.4	2012.9	2013.1	2010.0	2007.1	2004.1	2001.1	2001.4
170°	2010.2	2013.7	2017.0	2020.4	2023.8	2024.2	2021.4	2018.7	2016.0	2013.3	2013.0
172.5°	2016.3	2020.0	2023.7	2027.3	2030.9	2031.4	2028.7	2026.0	2023.3	2020.6	2020.2
175°	2024.0	2028.0	2032.1	2036.1	2040.2	2040.7	2037.7	2034.6	2031.5	2028.5	2028.2
177.5°	2028.8	2032.1	2035.3	2038.6	2041.8	2042.4	2040.2	2038.0	2035.9	2033.7	2033.2
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1373.4	1367.5	1364.4	1357.6	1349.4	1345.0	1341.2	1335.6	1328.3	1320.6	1314.9
5°	1443.1	1430.3	1414.1	1394.8	1377.7	1361.0	1346.5	1332.0	1315.3	1298.1	1280.9
7.5°	1514.7	1489.3	1462.0	1430.3	1399.5	1371.4	1345.6	1320.9	1292.9	1268.0	1245.2
10°	1564.5	1530.1	1492.0	1451.8	1411.5	1376.5	1342.2	1311.0	1276.7	1246.1	1220.2
12.5°	1604.9	1564.5	1518.6	1468.4	1420.1	1377.9	1338.3	1297.7	1258.6	1225.4	1191.0
15°	1671.9	1616.6	1554.9	1494.7	1431.9	1374.4	1321.2	1273.9	1229.4	1182.7	1149.9
17.5°	1718.0	1652.3	1577.3	1505.0	1430.8	1363.0	1301.7	1245.4	1194.0	1146.2	1107.2
20°	1745.6	1673.0	1589.7	1507.6	1424.3	1351.8	1285.8	1223.5	1170.3	1118.7	1078.4
22.5°	1761.0	1680.7	1589.7	1503.7	1417.4	1339.0	1266.5	1201.5	1143.7	1092.1	1047.5
25°	1766.0	1680.0	1587.1	1488.2	1393.7	1310.5	1235.3	1165.0	1100.4	1048.9	1001.7
27.5°	1759.1	1657.9	1562.7	1461.3	1363.7	1276.0	1197.1	1123.2	1058.6	1003.3	954.8
30°	1748.8	1640.2	1538.2	1432.9	1334.1	1249.8	1166.5	1095.6	1028.5	971.1	922.2
32.5°	1726.4	1618.8	1508.9	1401.2	1301.0	1214.2	1135.2	1063.9	998.0	939.3	887.4
35°	1682.1	1573.2	1453.9	1343.2	1245.0	1154.7	1080.7	1011.9	949.1	886.2	831.4
37.5°	1623.9	1512.5	1393.8	1272.6	1174.3	1089.1	1021.1	956.5	895.2	837.9	777.2
40°	1568.8	1467.3	1344.8	1224.6	1123.6	1041.4	978.6	920.0	858.3	801.3	740.6
42.5°	1502.2	1415.7	1292.0	1171.2	1071.6	992.4	933.9	876.7	820.4	765.3	702.0
45°	1391.1	1325.5	1209.5	1093.5	993.1	914.6	860.9	810.4	761.0	708.4	648.8
47.5°	1263.6	1219.3	1119.1	1000.4	907.5	836.9	785.0	743.8	702.0	649.3	597.0
50°	1175.2	1146.7	1050.0	941.5	852.9	787.9	734.8	696.1	661.2	610.7	563.9
52.5°	1080.7	1065.5	983.8	880.1	794.5	730.7	685.3	650.6	615.2	573.3	529.6
55°	936.6	944.7	875.5	785.8	705.2	651.5	610.2	581.1	551.1	515.6	481.8
57.5°	789.5	818.9	772.4	693.7	618.1	568.6	537.5	513.0	487.8	458.4	429.5
60°	701.5	726.1	699.8	630.6	564.5	518.3	489.3	470.5	445.2	418.4	396.4
62.5°	615.5	642.0	626.3	570.4	509.1	469.3	443.7	426.3	407.5	384.1	361.1
65°	507.6	524.7	517.3	478.6	435.0	401.2	377.6	364.7	347.5	330.3	309.9
67.5°	388.7	421.9	417.6	397.0	359.4	333.0	317.5	306.1	290.4	277.7	263.8
70°	319.5	350.2	349.6	333.0	312.6	287.9	277.1	267.5	253.5	241.2	229.8
72.5°	261.6	289.6	293.8	281.0	267.0	248.3	238.0	231.4	217.8	209.3	200.3
75°	183.2	203.6	208.9	208.9	202.5	192.8	183.7	179.4	169.8	162.2	156.8
77.5°	120.1	133.0	141.4	143.3	144.3	141.1	133.5	130.5	123.1	120.4	115.2
80°	84.8	93.4	103.1	106.3	109.1	108.0	104.7	102.6	95.6	92.9	90.8
82.5°	58.7	63.4	71.3	78.4	77.7	80.5	77.7	75.9	70.7	69.7	67.6
85°	30.6	31.1	32.2	37.1	39.8	40.8	41.4	40.3	38.7	38.7	34.9
87.5°	16.0	14.9	15.2	14.6	14.3	15.2	15.9	15.6	14.9	14.4	13.9
90°	28.1	25.3	22.7	19.5	15.8	12.0	8.3	4.5	8.3	12.0	15.8
92.5°	26.9	24.1	21.4	20.0	19.8	19.6	19.4	19.2	19.4	19.6	19.8
95°	32.8	32.5	32.1	37.8	49.3	60.8	72.2	83.7	72.2	60.8	49.3
97.5°	115.7	153.5	191.3	206.6	199.4	192.2	185.0	177.8	185.0	192.2	199.4
100°	160.4	207.1	253.8	274.1	268.0	262.0	255.9	249.7	255.9	262.0	268.0
102.5°	335.1	341.1	347.2	348.0	343.6	339.1	334.7	330.1	334.7	339.1	343.6
105°	471.8	470.1	468.4	466.6	464.5	462.4	460.4	458.4	460.4	462.4	464.5
107.5°	587.8	585.5	583.2	581.6	580.6	579.6	578.6	577.4	578.6	579.6	580.6
110°	667.5	665.5	663.5	662.0	661.0	659.9	658.9	657.9	658.9	659.9	661.0





TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	746.5	745.5	744.6	743.2	741.3	739.5	737.7	735.9	737.7	739.5	741.3
115°	859.6	859.9	860.3	859.9	858.9	857.9	856.9	855.9	856.9	857.9	858.9
117.5°	972.0	971.2	970.5	969.5	968.1	966.7	965.3	964.0	965.3	966.7	968.1
120°	1042.4	1042.7	1043.0	1042.5	1041.2	1039.9	1038.4	1037.1	1038.4	1039.9	1041.2
122.5°	1110.1	1109.7	1109.2	1108.6	1107.7	1106.9	1106.1	1105.3	1106.1	1106.9	1107.7
125°	1207.5	1208.2	1208.8	1208.5	1207.2	1205.8	1204.5	1203.2	1204.5	1205.8	1207.2
127.5°	1301.1	1299.6	1298.0	1297.1	1296.7	1296.4	1296.1	1295.7	1296.1	1296.4	1296.7
130°	1359.5	1358.5	1357.5	1356.8	1356.5	1356.0	1355.7	1355.4	1355.7	1356.0	1356.5
132.5°	1416.1	1414.9	1413.6	1412.7	1412.1	1411.5	1410.8	1410.2	1410.8	1411.5	1412.1
135°	1494.3	1493.0	1491.6	1491.1	1491.5	1491.8	1492.1	1492.5	1492.1	1491.8	1491.5
137.5°	1569.6	1568.1	1566.6	1565.8	1565.7	1565.5	1565.4	1565.3	1565.4	1565.5	1565.7
140°	1617.5	1616.8	1616.2	1615.5	1614.8	1614.2	1613.5	1612.8	1613.5	1614.2	1614.8
142.5°	1661.9	1661.5	1661.1	1660.3	1659.1	1657.9	1656.6	1655.4	1656.6	1657.9	1659.1
145°	1725.5	1725.5	1725.5	1725.0	1723.9	1722.9	1721.9	1720.9	1721.9	1722.9	1723.9
147.5°	1780.7	1781.0	1781.3	1780.6	1778.7	1776.8	1774.8	1773.0	1774.8	1776.8	1778.7
150°	1816.0	1816.3	1816.6	1816.1	1814.8	1813.4	1812.1	1810.8	1812.1	1813.4	1814.8
152.5°	1845.7	1846.3	1847.0	1846.7	1845.6	1844.6	1843.5	1842.4	1843.5	1844.6	1845.6
155°	1885.9	1886.9	1887.9	1888.2	1887.9	1887.5	1887.2	1886.9	1887.2	1887.5	1887.9
157.5°	1920.6	1921.7	1922.9	1923.6	1923.8	1924.0	1924.2	1924.4	1924.2	1924.0	1923.8
160°	1940.9	1941.2	1941.6	1942.3	1943.3	1944.3	1945.3	1946.3	1945.3	1944.3	1943.3
162.5°	1959.1	1959.4	1959.8	1960.7	1962.0	1963.2	1964.5	1965.8	1964.5	1963.2	1962.0
165°	1982.9	1982.9	1982.9	1983.7	1985.4	1987.1	1988.7	1990.4	1988.7	1987.1	1985.4
167.5°	2001.6	2001.8	2002.0	2002.9	2004.7	2006.4	2008.2	2009.9	2008.2	2006.4	2004.7
170°	2012.7	2012.3	2012.0	2012.8	2014.8	2016.8	2018.9	2020.9	2018.9	2016.8	2014.8
172.5°	2019.9	2019.6	2019.2	2020.1	2022.2	2024.2	2026.2	2028.2	2026.2	2024.2	2022.2
175°	2027.8	2027.5	2027.2	2028.0	2030.0	2032.1	2034.1	2036.1	2034.1	2032.1	2030.0
177.5°	2032.7	2032.1	2031.5	2032.3	2034.1	2036.0	2037.9	2039.8	2037.9	2036.0	2034.1
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1309.0	1304.6	1299.1	1292.6	1285.0	1278.1	1275.1	1277.6	1278.9	1275.5	1275.1
5°	1269.1	1255.7	1245.0	1228.8	1216.0	1205.2	1197.7	1194.5	1195.6	1187.0	1184.8
7.5°	1224.4	1208.4	1190.8	1171.7	1153.9	1138.1	1129.8	1125.3	1116.2	1112.3	1105.7
10°	1195.6	1174.1	1156.9	1134.3	1113.9	1095.1	1086.0	1078.4	1069.3	1065.0	1055.9
12.5°	1165.9	1140.9	1122.1	1098.6	1077.8	1055.1	1046.4	1032.5	1018.2	1009.2	997.4
15°	1124.1	1094.1	1071.0	1043.0	1018.3	992.5	969.5	943.6	934.0	913.6	901.8
17.5°	1075.2	1044.7	1016.1	978.7	940.6	908.6	883.9	859.2	844.4	831.4	825.4
20°	1043.0	1015.1	975.3	931.8	889.4	853.9	834.0	818.0	801.8	792.7	786.3
22.5°	1012.5	976.8	930.7	883.7	841.3	813.5	796.7	780.1	767.1	758.4	749.7
25°	961.4	914.6	865.8	812.0	783.0	758.9	740.6	727.2	719.1	707.9	703.6
27.5°	908.9	852.2	798.3	762.2	732.1	709.9	694.0	683.9	673.7	666.5	661.0
30°	868.5	811.0	762.7	728.3	697.7	679.4	666.5	654.7	646.6	640.8	636.4
32.5°	828.5	771.0	730.4	693.5	669.3	651.5	637.7	628.9	622.6	615.0	612.4
35°	770.7	719.7	684.3	651.0	626.2	610.2	599.4	590.3	584.9	582.7	581.1
37.5°	715.2	673.4	635.3	607.9	585.9	573.3	560.6	556.1	552.4	548.6	550.3
40°	679.9	640.8	606.9	577.9	560.2	546.2	538.7	533.3	530.1	530.1	530.1
42.5°	649.4	611.1	578.1	552.1	534.4	522.6	514.2	509.7	508.6	508.2	510.8
45°	602.1	566.6	533.3	511.8	496.8	484.9	480.2	476.4	476.4	478.6	479.1
47.5°	555.1	521.9	495.2	471.1	457.4	450.0	445.8	443.8	444.0	446.3	448.7
50°	526.3	493.6	467.3	445.8	432.9	425.9	422.1	421.1	422.1	422.1	425.9
52.5°	494.9	465.6	439.8	421.7	407.1	400.5	398.5	397.0	397.7	399.4	401.0
55°	449.0	422.7	398.0	380.8	370.0	365.8	360.9	361.4	360.4	361.4	361.4
57.5°	402.9	379.3	356.3	342.6	333.3	327.0	321.7	323.3	321.6	321.4	320.5
60°	373.2	347.5	329.2	316.9	306.1	300.7	295.9	297.0	295.4	294.3	292.2
62.5°	341.0	319.5	302.2	290.2	281.7	275.4	270.5	269.5	265.8	262.1	257.4
65°	294.3	276.6	261.1	249.7	241.7	236.8	233.1	229.8	221.8	213.2	208.9
67.5°	248.9	236.1	221.6	212.1	205.5	199.1	192.0	186.5	178.9	174.2	171.6
70°	219.6	207.3	195.0	185.8	178.8	173.0	164.9	161.2	155.7	153.6	150.9
72.5°	191.8	180.3	168.7	160.5	153.1	148.5	142.1	138.4	136.0	135.1	132.5
75°	149.4	140.2	131.6	124.1	118.2	114.9	112.3	109.6	108.5	103.6	101.0
77.5°	109.0	102.9	97.6	92.2	88.0	85.8	80.7	77.6	75.7	73.5	72.9
80°	84.8	80.6	75.2	72.0	66.0	63.9	61.8	61.2	60.7	60.2	59.6
82.5°	63.8	59.5	54.1	52.2	50.6	49.3	48.0	47.5	47.0	47.3	47.2
85°	32.2	30.1	30.1	29.6	29.0	28.5	28.0	28.0	27.4	28.0	27.4
87.5°	14.6	14.8	15.3	15.0	16.1	16.6	16.6	17.0	17.8	17.4	17.6
90°	19.5	22.7	25.3	28.1	30.8	33.5	35.5	37.6	39.6	41.6	43.0
92.5°	20.0	21.4	24.1	26.9	29.6	32.3	34.3	36.4	38.4	40.4	41.5
95°	37.8	32.1	32.5	32.8	33.1	33.5	35.5	37.6	39.6	41.6	42.8
97.5°	206.6	191.3	153.5	115.7	78.0	40.2	40.4	40.6	40.8	41.0	41.3
100°	274.1	253.8	207.1	160.4	113.7	67.1	61.3	55.5	49.8	44.0	41.3
102.5°	348.0	347.2	341.1	335.1	328.9	322.9	260.7	198.7	136.6	74.6	43.6
105°	466.6	468.4	470.1	471.8	473.4	475.1	478.2	481.2	484.3	487.4	482.7
107.5°	581.6	583.2	585.5	587.8	590.1	592.4	593.9	595.4	596.9	598.3	599.8
110°	662.0	663.5	665.5	667.5	669.5	671.6	672.3	673.0	673.7	674.3	675.2



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	743.2	744.6	745.5	746.5	747.4	748.4	748.2	748.1	747.9	747.8	748.4
115°	859.9	860.3	859.9	859.6	859.3	858.9	859.6	860.3	860.9	861.6	862.0
117.5°	969.5	970.5	971.2	972.0	972.7	973.4	973.3	973.2	973.0	972.9	972.8
120°	1042.5	1043.0	1042.7	1042.4	1042.0	1041.7	1042.4	1043.0	1043.7	1044.4	1044.4
122.5°	1108.6	1109.2	1109.7	1110.1	1110.6	1111.2	1111.6	1112.0	1112.4	1112.8	1112.6
125°	1208.5	1208.8	1208.2	1207.5	1206.8	1206.2	1207.2	1208.2	1209.2	1210.2	1210.9
127.5°	1297.1	1298.0	1299.6	1301.1	1302.6	1304.2	1304.0	1303.8	1303.6	1303.4	1303.1
130°	1356.8	1357.5	1358.5	1359.5	1360.5	1361.5	1361.8	1362.2	1362.5	1362.8	1363.0
132.5°	1412.7	1413.6	1414.9	1416.1	1417.4	1418.8	1419.1	1419.5	1419.8	1420.1	1420.2
135°	1491.1	1491.6	1493.0	1494.3	1495.7	1497.0	1497.7	1498.3	1499.0	1499.8	1500.5
137.5°	1565.8	1566.6	1568.1	1569.6	1571.0	1572.6	1573.3	1574.1	1574.8	1575.6	1575.8
140°	1615.5	1616.2	1616.8	1617.5	1618.2	1618.8	1619.9	1620.9	1621.9	1623.0	1623.6
142.5°	1660.3	1661.1	1661.5	1661.9	1662.3	1662.7	1663.4	1664.3	1665.0	1665.7	1666.1
145°	1725.0	1725.5	1725.5	1725.5	1725.5	1725.5	1725.8	1726.2	1726.5	1726.8	1727.4
147.5°	1780.6	1781.3	1781.0	1780.7	1780.3	1780.0	1780.3	1780.5	1780.8	1781.1	1781.4
150°	1816.1	1816.6	1816.3	1816.0	1815.6	1815.3	1815.3	1815.3	1815.3	1815.3	1815.5
152.5°	1846.7	1847.0	1846.3	1845.7	1845.1	1844.5	1845.1	1845.6	1846.1	1846.7	1846.8
155°	1888.2	1887.9	1886.9	1885.9	1884.9	1883.8	1885.2	1886.5	1887.9	1889.3	1889.5
157.5°	1923.6	1922.9	1921.7	1920.6	1919.5	1918.2	1920.1	1921.8	1923.6	1925.3	1925.3
160°	1942.3	1941.6	1941.2	1940.9	1940.6	1940.2	1942.3	1944.3	1946.3	1948.3	1948.3
162.5°	1960.7	1959.8	1959.4	1959.1	1958.8	1958.4	1960.5	1962.6	1964.6	1966.6	1966.4
165°	1983.7	1982.9	1982.9	1982.9	1982.9	1982.9	1985.5	1988.2	1990.9	1993.7	1993.5
167.5°	2002.9	2002.0	2001.8	2001.6	2001.4	2001.1	2004.1	2007.1	2010.0	2013.1	2012.9
170°	2012.8	2012.0	2012.3	2012.7	2013.0	2013.3	2016.0	2018.7	2021.4	2024.2	2023.8
172.5°	2020.1	2019.2	2019.6	2019.9	2020.2	2020.6	2023.3	2026.0	2028.7	2031.4	2030.9
175°	2028.0	2027.2	2027.5	2027.8	2028.2	2028.5	2031.5	2034.6	2037.7	2040.7	2040.2
177.5°	2032.3	2031.5	2032.1	2032.7	2033.2	2033.7	2035.9	2038.0	2040.2	2042.4	2041.8
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1272.4	1273.3	1270.3	1269.4	1270.3	1273.3	1272.4	1275.1	1275.5	1278.9	1277.6
5°	1180.5	1179.4	1176.8	1177.3	1176.8	1179.4	1180.5	1184.8	1187.0	1195.6	1194.5
7.5°	1101.9	1097.7	1098.8	1094.6	1098.8	1097.7	1101.9	1105.7	1112.3	1116.2	1125.3
10°	1053.8	1047.8	1043.0	1038.7	1043.0	1047.8	1053.8	1055.9	1065.0	1069.3	1078.4
12.5°	988.1	983.0	976.4	977.8	976.4	983.0	988.1	997.4	1009.2	1018.2	1032.5
15°	894.7	886.8	873.8	875.5	873.8	886.8	894.7	901.8	913.6	934.0	943.6
17.5°	815.9	816.0	810.0	811.4	810.0	816.0	815.9	825.4	831.4	844.4	859.2
20°	775.0	771.2	771.7	770.2	771.7	771.2	775.0	786.3	792.7	801.8	818.0
22.5°	746.7	742.0	738.3	735.0	738.3	742.0	746.7	749.7	758.4	767.1	780.1
25°	698.7	695.5	690.6	689.6	690.6	695.5	698.7	703.6	707.9	719.1	727.2
27.5°	656.6	656.0	654.1	651.6	654.1	656.0	656.6	661.0	666.5	673.7	683.9
30°	632.2	631.1	630.0	628.3	630.0	631.1	632.2	636.4	640.8	646.6	654.7
32.5°	610.3	609.6	608.5	608.6	608.5	609.6	610.3	612.4	615.0	622.6	628.9
35°	579.0	578.5	577.3	576.8	577.3	578.5	579.0	581.1	582.7	584.9	590.3
37.5°	549.8	551.2	550.5	550.4	550.5	551.2	549.8	550.3	548.6	552.4	556.1
40°	529.6	530.1	531.2	530.7	531.2	530.1	529.6	530.1	530.1	530.1	533.3
42.5°	512.8	512.9	514.4	512.6	514.4	512.9	512.8	510.8	508.2	508.6	509.7
45°	482.8	486.0	485.5	485.5	485.5	486.0	482.8	479.1	478.6	476.4	476.4
47.5°	450.1	452.8	453.6	453.5	453.6	452.8	450.1	448.7	446.3	444.0	443.8
50°	428.6	427.5	429.1	428.6	429.1	427.5	428.6	425.9	422.1	422.1	421.1
52.5°	402.4	402.6	402.5	401.9	402.5	402.6	402.4	401.0	399.4	397.7	397.0
55°	362.0	362.5	361.4	362.0	361.4	362.5	362.0	361.4	361.4	360.4	361.4
57.5°	318.2	315.6	316.7	315.4	316.7	315.6	318.2	320.5	321.4	321.6	323.3
60°	286.8	282.5	281.4	279.3	281.4	282.5	286.8	292.2	294.3	295.4	297.0
62.5°	251.6	248.5	244.9	246.6	244.9	248.5	251.6	257.4	262.1	265.8	269.5
65°	204.6	202.5	200.9	203.0	200.9	202.5	204.6	208.9	213.2	221.8	229.8
67.5°	169.4	168.2	168.2	167.1	168.2	168.2	169.4	171.6	174.2	178.9	186.5
70°	150.9	149.4	149.4	148.2	149.4	149.4	150.9	150.9	153.6	155.7	161.2
72.5°	132.0	130.4	130.9	130.2	130.9	130.4	132.0	132.5	135.1	136.0	138.4
75°	97.8	95.0	95.0	95.6	95.0	95.0	97.8	101.0	103.6	108.5	109.6
77.5°	72.9	72.4	73.1	72.2	73.1	72.4	72.9	72.9	73.5	75.7	77.6
80°	59.6	59.1	58.6	60.2	58.6	59.1	59.6	59.6	60.2	60.7	61.2
82.5°	46.3	46.2	46.0	48.2	46.0	46.2	46.3	47.2	47.3	47.0	47.5
85°	28.0	26.9	28.0	26.9	28.0	26.9	28.0	27.4	28.0	27.4	28.0
87.5°	18.6	18.3	18.0	18.6	18.0	18.3	18.6	17.6	17.4	17.8	17.0
90°	43.6	44.3	45.0	45.6	45.0	44.3	43.6	43.0	41.6	39.6	37.6
92.5°	41.6	41.8	41.9	42.0	41.9	41.8	41.6	41.5	40.4	38.4	36.4
95°	43.1	43.5	43.8	44.1	43.8	43.5	43.1	42.8	41.6	39.6	37.6
97.5°	41.6	42.0	42.3	42.6	42.3	42.0	41.6	41.3	41.0	40.8	40.6
100°	41.6	42.0	42.3	42.6	42.3	42.0	41.6	41.3	44.0	49.8	55.5
102.5°	43.6	43.7	43.8	43.8	43.8	43.7	43.6	43.6	74.6	136.6	198.7
105°	470.6	458.4	446.3	434.0	446.3	458.4	470.6	482.7	487.4	484.3	481.2
107.5°	601.1	602.3	603.6	604.9	603.6	602.3	601.1	599.8	598.3	596.9	595.4
110°	676.2	677.2	678.2	679.2	678.2	677.2	676.2	675.2	674.3	673.7	673.0



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	749.7	750.9	752.2	753.6	752.2	750.9	749.7	748.4	747.8	747.9	748.1
115°	862.0	862.0	862.0	862.0	862.0	862.0	862.0	862.0	861.6	860.9	860.3
117.5°	972.6	972.5	972.4	972.2	972.4	972.5	972.6	972.8	972.9	973.0	973.2
120°	1043.7	1043.0	1042.4	1041.7	1042.4	1043.0	1043.7	1044.4	1044.4	1043.7	1043.0
122.5°	1112.0	1111.3	1110.5	1109.9	1110.5	1111.3	1112.0	1112.6	1112.8	1112.4	1112.0
125°	1211.2	1211.5	1211.9	1212.2	1211.9	1211.5	1211.2	1210.9	1210.2	1209.2	1208.2
127.5°	1302.9	1302.6	1302.3	1302.1	1302.3	1302.6	1302.9	1303.1	1303.4	1303.6	1303.8
130°	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1362.8	1362.5	1362.2
132.5°	1419.9	1419.6	1419.4	1419.1	1419.4	1419.6	1419.9	1420.2	1420.1	1419.8	1419.5
135°	1501.1	1501.8	1502.5	1503.1	1502.5	1501.8	1501.1	1500.5	1499.8	1499.0	1498.3
137.5°	1575.6	1575.4	1575.2	1575.0	1575.2	1575.4	1575.6	1575.8	1575.6	1574.8	1574.1
140°	1624.0	1624.3	1624.6	1625.0	1624.6	1624.3	1624.0	1623.6	1623.0	1621.9	1620.9
142.5°	1666.2	1666.3	1666.3	1666.4	1666.3	1666.3	1666.2	1666.1	1665.7	1665.0	1664.3
145°	1728.0	1728.7	1729.4	1730.0	1729.4	1728.7	1728.0	1727.4	1726.8	1726.5	1726.2
147.5°	1781.7	1782.0	1782.4	1782.7	1782.4	1782.0	1781.7	1781.4	1781.1	1780.8	1780.5
150°	1815.8	1816.1	1816.5	1816.8	1816.5	1816.1	1815.8	1815.5	1815.3	1815.3	1815.3
152.5°	1846.6	1846.4	1846.2	1846.0	1846.2	1846.4	1846.6	1846.8	1846.7	1846.1	1845.6
155°	1888.4	1887.4	1886.4	1885.4	1886.4	1887.4	1888.4	1889.5	1889.3	1887.9	1886.5
157.5°	1923.6	1921.8	1920.1	1918.2	1920.1	1921.8	1923.6	1925.3	1925.3	1923.6	1921.8
160°	1946.3	1944.3	1942.3	1940.2	1942.3	1944.3	1946.3	1948.3	1948.3	1946.3	1944.3
162.5°	1964.2	1961.9	1959.5	1957.2	1959.5	1961.9	1964.2	1966.4	1966.6	1964.6	1962.6
165°	1990.4	1987.4	1984.4	1981.4	1984.4	1987.4	1990.4	1993.5	1993.7	1990.9	1988.2
167.5°	2009.4	2006.1	2002.7	1999.3	2002.7	2006.1	2009.4	2012.9	2013.1	2010.0	2007.1
170°	2020.4	2017.0	2013.7	2010.2	2013.7	2017.0	2020.4	2023.8	2024.2	2021.4	2018.7
172.5°	2027.3	2023.7	2020.0	2016.3	2020.0	2023.7	2027.3	2030.9	2031.4	2028.7	2026.0
175°	2036.1	2032.1	2028.0	2024.0	2028.0	2032.1	2036.1	2040.2	2040.7	2037.7	2034.6
177.5°	2038.6	2035.3	2032.1	2028.8	2032.1	2035.3	2038.6	2041.8	2042.4	2040.2	2038.0
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1275.1	1278.1	1285.0	1292.6	1299.1	1304.6	1309.0	1314.9	1320.6	1328.3	1335.6
5°	1197.7	1205.2	1216.0	1228.8	1245.0	1255.7	1269.1	1280.9	1298.1	1315.3	1332.0
7.5°	1129.8	1138.1	1153.9	1171.7	1190.8	1208.4	1224.4	1245.2	1268.0	1292.9	1320.9
10°	1086.0	1095.1	1113.9	1134.3	1156.9	1174.1	1195.6	1220.2	1246.1	1276.7	1311.0
12.5°	1046.4	1055.1	1077.8	1098.6	1122.1	1140.9	1165.9	1191.0	1225.4	1258.6	1297.7
15°	969.5	992.5	1018.3	1043.0	1071.0	1094.1	1124.1	1149.9	1182.7	1229.4	1273.9
17.5°	883.9	908.6	940.6	978.7	1016.1	1044.7	1075.2	1107.2	1146.2	1194.0	1245.4
20°	834.0	853.9	889.4	931.8	975.3	1015.1	1043.0	1078.4	1118.7	1170.3	1223.5
22.5°	796.7	813.5	841.3	883.7	930.7	976.8	1012.5	1047.5	1092.1	1143.7	1201.5
25°	740.6	758.9	783.0	812.0	865.8	914.6	961.4	1001.7	1048.9	1100.4	1165.0
27.5°	694.0	709.9	732.1	762.2	798.3	852.2	908.9	954.8	1003.3	1058.6	1123.2
30°	666.5	679.4	697.7	728.3	762.7	811.0	868.5	922.2	971.1	1028.5	1095.6
32.5°	637.7	651.5	669.3	693.5	730.4	771.0	828.5	887.4	939.3	998.0	1063.9
35°	599.4	610.2	626.2	651.0	684.3	719.7	770.7	831.4	886.2	949.1	1011.9
37.5°	560.6	573.3	585.9	607.9	635.3	673.4	715.2	777.2	837.9	895.2	956.5
40°	538.7	546.2	560.2	577.9	606.9	640.8	679.9	740.6	801.3	858.3	920.0
42.5°	514.2	522.6	534.4	552.1	578.1	611.1	649.4	702.0	765.3	820.4	876.7
45°	480.2	484.9	496.8	511.8	533.3	566.6	602.1	648.8	708.4	761.0	810.4
47.5°	445.8	450.0	457.4	471.1	495.2	521.9	555.1	597.0	649.3	702.0	743.8
50°	422.1	425.9	432.9	445.8	467.3	493.6	526.3	563.9	610.7	661.2	696.1
52.5°	398.5	400.5	407.1	421.7	439.8	465.6	494.9	529.6	573.3	615.2	650.6
55°	360.9	365.8	370.0	380.8	398.0	422.7	449.0	481.8	515.6	551.1	581.1
57.5°	321.7	327.0	333.3	342.6	356.3	379.3	402.9	429.5	458.4	487.8	513.0
60°	295.9	300.7	306.1	316.9	329.2	347.5	373.2	396.4	418.4	445.2	470.5
62.5°	270.5	275.4	281.7	290.2	302.2	319.5	341.0	361.1	384.1	407.5	426.3
65°	233.1	236.8	241.7	249.7	261.1	276.6	294.3	309.9	330.3	347.5	364.7
67.5°	192.0	199.1	205.5	212.1	221.6	236.1	248.9	263.8	277.7	290.4	306.1
70°	164.9	173.0	178.8	185.8	195.0	207.3	219.6	229.8	241.2	253.5	267.5
72.5°	142.1	148.5	153.1	160.5	168.7	180.3	191.8	200.3	209.3	217.8	231.4
75°	112.3	114.9	118.2	124.1	131.6	140.2	149.4	156.8	162.2	169.8	179.4
77.5°	80.7	85.8	88.0	92.2	97.6	102.9	109.0	115.2	120.4	123.1	130.5
80°	61.8	63.9	66.0	72.0	75.2	80.6	84.8	90.8	92.9	95.6	102.6
82.5°	48.0	49.3	50.6	52.2	54.1	59.5	63.8	67.6	69.7	70.7	75.9
85°	28.0	28.5	29.0	29.6	30.1	30.1	32.2	34.9	38.7	38.7	40.3
87.5°	16.6	16.6	16.1	15.0	15.3	14.8	14.6	13.9	14.4	14.9	15.6
90°	35.5	33.5	30.8	28.1	25.3	22.7	19.5	15.8	12.0	8.3	4.5
92.5°	34.3	32.3	29.6	26.9	24.1	21.4	20.0	19.8	19.6	19.4	19.2
95°	35.5	33.5	33.1	32.8	32.5	32.1	37.8	49.3	60.8	72.2	83.7
97.5°	40.4	40.2	78.0	115.7	153.5	191.3	206.6	199.4	192.2	185.0	177.8
100°	61.3	67.1	113.7	160.4	207.1	253.8	274.1	268.0	262.0	255.9	249.7
102.5°	260.7	322.9	328.9	335.1	341.1	347.2	348.0	343.6	339.1	334.7	330.1
105°	478.2	475.1	473.4	471.8	470.1	468.4	466.6	464.5	462.4	460.4	458.4
107.5°	593.9	592.4	590.1	587.8	585.5	583.2	581.6	580.6	579.6	578.6	577.4
110°	672.3	671.6	669.5	667.5	665.5	663.5	662.0	661.0	659.9	658.9	657.9



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	748.2	748.4	747.4	746.5	745.5	744.6	743.2	741.3	739.5	737.7	735.9
115°	859.6	858.9	859.3	859.6	859.9	860.3	859.9	858.9	857.9	856.9	855.9
117.5°	973.3	973.4	972.7	972.0	971.2	970.5	969.5	968.1	966.7	965.3	964.0
120°	1042.4	1041.7	1042.0	1042.4	1042.7	1043.0	1042.5	1041.2	1039.9	1038.4	1037.1
122.5°	1111.6	1111.2	1110.6	1110.1	1109.7	1109.2	1108.6	1107.7	1106.9	1106.1	1105.3
125°	1207.2	1206.2	1206.8	1207.5	1208.2	1208.8	1208.5	1207.2	1205.8	1204.5	1203.2
127.5°	1304.0	1304.2	1302.6	1301.1	1299.6	1298.0	1297.1	1296.7	1296.4	1296.1	1295.7
130°	1361.8	1361.5	1360.5	1359.5	1358.5	1357.5	1356.8	1356.5	1356.0	1355.7	1355.4
132.5°	1419.1	1418.8	1417.4	1416.1	1414.9	1413.6	1412.7	1412.1	1411.5	1410.8	1410.2
135°	1497.7	1497.0	1495.7	1494.3	1493.0	1491.6	1491.1	1491.5	1491.8	1492.1	1492.5
137.5°	1573.3	1572.6	1571.0	1569.6	1568.1	1566.6	1565.8	1565.7	1565.5	1565.4	1565.3
140°	1619.9	1618.8	1618.2	1617.5	1616.8	1616.2	1615.5	1614.8	1614.2	1613.5	1612.8
142.5°	1663.4	1662.7	1662.3	1661.9	1661.5	1661.1	1660.3	1659.1	1657.9	1656.6	1655.4
145°	1725.8	1725.5	1725.5	1725.5	1725.5	1725.5	1725.0	1723.9	1722.9	1721.9	1720.9
147.5°	1780.3	1780.0	1780.3	1780.7	1781.0	1781.3	1780.6	1778.7	1776.8	1774.8	1773.0
150°	1815.3	1815.3	1815.6	1816.0	1816.3	1816.6	1816.1	1814.8	1813.4	1812.1	1810.8
152.5°	1845.1	1844.5	1845.1	1845.7	1846.3	1847.0	1846.7	1845.6	1844.6	1843.5	1842.4
155°	1885.2	1883.8	1884.9	1885.9	1886.9	1887.9	1888.2	1887.9	1887.5	1887.2	1886.9
157.5°	1920.1	1918.2	1919.5	1920.6	1921.7	1922.9	1923.6	1923.8	1924.0	1924.2	1924.4
160°	1942.3	1940.2	1940.6	1940.9	1941.2	1941.6	1942.3	1943.3	1944.3	1945.3	1946.3
162.5°	1960.5	1958.4	1958.8	1959.1	1959.4	1959.8	1960.7	1962.0	1963.2	1964.5	1965.8
165°	1985.5	1982.9	1982.9	1982.9	1982.9	1982.9	1983.7	1985.4	1987.1	1988.7	1990.4
167.5°	2004.1	2001.1	2001.4	2001.6	2001.8	2002.0	2002.9	2004.7	2006.4	2008.2	2009.9
170°	2016.0	2013.3	2013.0	2012.7	2012.3	2012.0	2012.8	2014.8	2016.8	2018.9	2020.9
172.5°	2023.3	2020.6	2020.2	2019.9	2019.6	2019.2	2020.1	2022.2	2024.2	2026.2	2028.2
175°	2031.5	2028.5	2028.2	2027.8	2027.5	2027.2	2028.0	2030.0	2032.1	2034.1	2036.1
177.5°	2035.9	2033.7	2033.2	2032.7	2032.1	2031.5	2032.3	2034.1	2036.0	2037.9	2039.8
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1341.2	1345.0	1349.4	1357.6	1364.4	1367.5	1373.4	1377.8	1376.4	1382.4	1392.8
5°	1346.5	1361.0	1377.7	1394.8	1414.1	1430.3	1443.1	1456.0	1466.2	1478.5	1496.8
7.5°	1345.6	1371.4	1399.5	1430.3	1462.0	1489.3	1514.7	1540.4	1563.4	1588.4	1621.1
10°	1342.2	1376.5	1411.5	1451.8	1492.0	1530.1	1564.5	1596.8	1627.4	1660.1	1701.5
12.5°	1338.3	1377.9	1420.1	1468.4	1518.6	1564.5	1604.9	1651.3	1689.7	1731.9	1779.7
15°	1321.2	1374.4	1431.9	1494.7	1554.9	1616.6	1671.9	1728.9	1782.0	1832.5	1892.7
17.5°	1301.7	1363.0	1430.8	1505.0	1577.3	1652.3	1718.0	1789.8	1844.1	1911.9	1967.7
20°	1285.8	1351.8	1424.3	1507.6	1589.7	1673.0	1745.6	1818.6	1879.8	1948.0	2018.9
22.5°	1266.5	1339.0	1417.4	1503.7	1589.7	1680.7	1761.0	1833.6	1909.5	1986.2	2059.3
25°	1235.3	1310.5	1393.7	1488.2	1587.1	1680.0	1766.0	1856.1	1937.8	2021.0	2086.6
27.5°	1197.1	1276.0	1363.7	1461.3	1562.7	1657.9	1759.1	1855.2	1937.3	2017.5	2074.7
30°	1166.5	1249.8	1334.1	1432.9	1538.2	1640.2	1748.8	1844.9	1931.4	2003.4	2035.6
32.5°	1135.2	1214.2	1301.0	1401.2	1508.9	1618.8	1726.4	1824.7	1904.7	1947.9	1948.7
35°	1080.7	1154.7	1245.0	1343.2	1453.9	1573.2	1682.1	1778.8	1827.7	1831.5	1778.8
37.5°	1021.1	1089.1	1174.3	1272.6	1393.8	1512.5	1623.9	1688.3	1704.6	1649.9	1552.6
40°	978.6	1041.4	1123.6	1224.6	1344.8	1467.3	1568.8	1616.1	1598.9	1510.3	1401.8
42.5°	933.9	992.4	1071.6	1171.2	1292.0	1415.7	1502.2	1527.6	1482.1	1379.7	1252.7
45°	860.9	914.6	993.1	1093.5	1209.5	1325.5	1391.1	1378.2	1302.4	1181.0	1038.7
47.5°	785.0	836.9	907.5	1000.4	1119.1	1219.3	1263.6	1224.8	1117.0	983.5	867.7
50°	734.8	787.9	852.9	941.5	1050.0	1146.7	1175.2	1116.1	996.3	867.9	761.5
52.5°	685.3	730.7	794.5	880.1	983.8	1065.5	1080.7	1012.5	888.9	773.9	679.5
55°	610.2	651.5	705.2	785.8	875.5	944.7	936.6	849.1	736.9	638.6	564.5
57.5°	537.5	568.6	618.1	693.7	772.4	818.9	789.5	714.9	610.3	529.8	467.3
60°	489.3	518.3	564.5	630.6	699.8	726.1	701.5	620.4	537.7	464.0	411.4
62.5°	443.7	469.3	509.1	570.4	626.3	642.0	615.5	544.7	470.2	407.3	363.8
65°	377.6	401.2	435.0	478.6	517.3	524.7	507.6	435.0	378.6	326.0	295.9
67.5°	317.5	333.0	359.4	397.0	417.6	421.9	388.7	343.2	293.5	261.2	238.4
70°	277.1	287.9	312.6	333.0	349.6	350.2	319.5	283.1	244.9	218.6	202.0
72.5°	238.0	248.3	267.0	281.0	293.8	289.6	261.6	232.8	202.0	182.1	169.8
75°	183.7	192.8	202.5	208.9	208.9	203.6	183.2	161.7	143.9	132.1	128.4
77.5°	133.5	141.1	144.3	143.3	141.4	133.0	120.1	106.0	99.7	94.1	91.3
80°	104.7	108.0	109.1	106.3	103.1	93.4	84.8	79.0	73.0	70.9	69.8
82.5°	77.7	80.5	77.7	78.4	71.3	63.4	58.7	56.7	54.1	53.3	52.2
85°	41.4	40.8	39.8	37.1	32.2	31.1	30.6	30.1	29.0	29.6	28.5
87.5°	15.9	15.2	14.3	14.6	15.2	14.9	16.0	16.5	17.0	17.0	18.3
90°	8.3	12.0	15.8	19.5	22.7	25.3	28.1	30.8	33.5	35.5	37.6
92.5°	19.4	19.6	19.8	20.0	21.4	24.1	26.9	29.6	32.3	34.3	36.4
95°	72.2	60.8	49.3	37.8	32.1	32.5	32.8	33.1	33.5	35.5	37.6
97.5°	185.0	192.2	199.4	206.6	191.3	153.5	115.7	78.0	40.2	40.4	40.6
100°	255.9	262.0	268.0	274.1	253.8	207.1	160.4	113.7	67.1	61.3	55.5
102.5°	334.7	339.1	343.6	348.0	347.2	341.1	335.1	328.9	322.9	260.7	198.7
105°	460.4	462.4	464.5	466.6	468.4	470.1	471.8	473.4	475.1	478.2	481.2
107.5°	578.6	579.6	580.6	581.6	583.2	585.5	587.8	590.1	592.4	593.9	595.4
110°	658.9	659.9	661.0	662.0	663.5	665.5	667.5	669.5	671.6	672.3	673.0





TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	737.7	739.5	741.3	743.2	744.6	745.5	746.5	747.4	748.4	748.2	748.1
115°	856.9	857.9	858.9	859.9	860.3	859.9	859.6	859.3	858.9	859.6	860.3
117.5°	965.3	966.7	968.1	969.5	970.5	971.2	972.0	972.7	973.4	973.3	973.2
120°	1038.4	1039.9	1041.2	1042.5	1043.0	1042.7	1042.4	1042.0	1041.7	1042.4	1043.0
122.5°	1106.1	1106.9	1107.7	1108.6	1109.2	1109.7	1110.1	1110.6	1111.2	1111.6	1112.0
125°	1204.5	1205.8	1207.2	1208.5	1208.8	1208.2	1207.5	1206.8	1206.2	1207.2	1208.2
127.5°	1296.1	1296.4	1296.7	1297.1	1298.0	1299.6	1301.1	1302.6	1304.2	1304.0	1303.8
130°	1355.7	1356.0	1356.5	1356.8	1357.5	1358.5	1359.5	1360.5	1361.5	1361.8	1362.2
132.5°	1410.8	1411.5	1412.1	1412.7	1413.6	1414.9	1416.1	1417.4	1418.8	1419.1	1419.5
135°	1492.1	1491.8	1491.5	1491.1	1491.6	1493.0	1494.3	1495.7	1497.0	1497.7	1498.3
137.5°	1565.4	1565.5	1565.7	1565.8	1566.6	1568.1	1569.6	1571.0	1572.6	1573.3	1574.1
140°	1613.5	1614.2	1614.8	1615.5	1616.2	1616.8	1617.5	1618.2	1618.8	1619.9	1620.9
142.5°	1656.6	1657.9	1659.1	1660.3	1661.1	1661.5	1661.9	1662.3	1662.7	1663.4	1664.3
145°	1721.9	1722.9	1723.9	1725.0	1725.5	1725.5	1725.5	1725.5	1725.5	1725.8	1726.2
147.5°	1774.8	1776.8	1778.7	1780.6	1781.3	1781.0	1780.7	1780.3	1780.0	1780.3	1780.5
150°	1812.1	1813.4	1814.8	1816.1	1816.6	1816.3	1816.0	1815.6	1815.3	1815.3	1815.3
152.5°	1843.5	1844.6	1845.6	1846.7	1847.0	1846.3	1845.7	1845.1	1844.5	1845.1	1845.6
155°	1887.2	1887.5	1887.9	1888.2	1887.9	1886.9	1885.9	1884.9	1883.8	1885.2	1886.5
157.5°	1924.2	1924.0	1923.8	1923.6	1922.9	1921.7	1920.6	1919.5	1918.2	1920.1	1921.8
160°	1945.3	1944.3	1943.3	1942.3	1941.6	1941.2	1940.9	1940.6	1940.2	1942.3	1944.3
162.5°	1964.5	1963.2	1962.0	1960.7	1959.8	1959.4	1959.1	1958.8	1958.4	1960.5	1962.6
165°	1988.7	1987.1	1985.4	1983.7	1982.9	1982.9	1982.9	1982.9	1982.9	1985.5	1988.2
167.5°	2008.2	2006.4	2004.7	2002.9	2002.0	2001.8	2001.6	2001.4	2001.1	2004.1	2007.1
170°	2018.9	2016.8	2014.8	2012.8	2012.0	2012.3	2012.7	2013.0	2013.3	2016.0	2018.7
172.5°	2026.2	2024.2	2022.2	2020.1	2019.2	2019.6	2019.9	2020.2	2020.6	2023.3	2026.0
175°	2034.1	2032.1	2030.0	2028.0	2027.2	2027.5	2027.8	2028.2	2028.5	2031.5	2034.6
177.5°	2037.9	2036.0	2034.1	2032.3	2031.5	2032.1	2032.7	2033.2	2033.7	2035.9	2038.0
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1398.4	1400.1	1401.4	1405.6	1406.0	1410.0	1406.0
5°	1514.0	1521.6	1533.4	1545.2	1546.3	1553.8	1540.3
7.5°	1643.8	1661.2	1672.0	1691.1	1698.7	1703.4	1695.7
10°	1733.1	1749.3	1777.8	1791.7	1805.6	1807.9	1801.4
12.5°	1819.6	1845.1	1867.5	1894.0	1893.3	1912.3	1905.3
15°	1934.6	1960.9	1992.1	2021.5	2032.4	2032.4	2040.9
17.5°	2016.6	2064.9	2097.1	2120.3	2145.7	2150.0	2147.1
20°	2072.0	2124.2	2158.6	2188.6	2205.8	2210.6	2210.6
22.5°	2113.3	2157.7	2191.2	2218.3	2232.4	2238.2	2236.4
25°	2141.9	2180.0	2200.4	2208.5	2212.2	2211.2	2201.0
27.5°	2102.7	2101.0	2088.2	2063.5	2044.9	2033.6	2020.7
30°	2028.0	2000.1	1967.9	1932.4	1886.7	1851.9	1841.1
32.5°	1916.7	1854.0	1799.5	1740.4	1691.3	1656.4	1641.7
35°	1701.5	1602.2	1521.1	1450.2	1398.6	1366.3	1355.6
37.5°	1446.0	1349.9	1249.5	1180.7	1138.0	1105.4	1093.3
40°	1283.6	1178.9	1091.4	1026.9	982.9	951.2	950.7
42.5°	1135.4	1035.4	953.0	906.6	859.1	838.2	838.1
45°	929.7	849.7	779.8	743.4	714.9	697.7	692.9
47.5°	769.7	703.6	657.0	627.9	604.7	593.8	586.7
50°	679.9	622.0	584.9	559.7	546.7	532.8	531.7
52.5°	605.2	558.4	529.5	509.0	492.6	484.2	484.4
55°	508.6	471.6	451.1	435.6	422.7	416.3	413.5
57.5°	428.5	400.7	385.9	371.5	366.1	361.0	359.6
60°	378.6	359.8	345.9	334.6	326.6	325.0	324.4
62.5°	337.4	317.7	308.1	299.3	293.5	290.9	290.0
65°	278.2	263.7	255.1	248.1	246.0	242.3	241.7
67.5°	224.3	215.6	209.8	205.1	202.2	202.0	202.0
70°	191.2	186.3	181.6	178.8	177.2	176.1	176.1
72.5°	162.9	159.3	155.3	153.9	153.6	152.5	152.1
75°	124.1	120.3	120.9	118.2	116.0	113.3	111.7
77.5°	88.0	85.3	84.7	84.4	82.6	82.3	83.1
80°	68.2	65.5	65.0	65.5	65.0	63.4	63.4
82.5°	51.9	49.6	49.1	48.8	48.3	48.8	47.9
85°	28.0	26.9	26.9	26.9	28.0	27.4	26.9
87.5°	17.8	17.8	18.5	18.2	18.3	18.0	18.6
90°	39.6	41.6	43.0	43.6	44.3	45.0	45.6
92.5°	38.4	40.4	41.5	41.6	41.8	41.9	42.0
95°	39.6	41.6	42.8	43.1	43.5	43.8	44.1
97.5°	40.8	41.0	41.3	41.6	42.0	42.3	42.6
100°	49.8	44.0	41.3	41.6	42.0	42.3	42.6
102.5°	136.6	74.6	43.6	43.6	43.7	43.8	43.8
105°	484.3	487.4	482.7	470.6	458.4	446.3	434.0
107.5°	596.9	598.3	599.8	601.1	602.3	603.6	604.9
110°	673.7	674.3	675.2	676.2	677.2	678.2	679.2



TEST NUMBER: P333071-840

CATALOG NUMBER: S124RDIW-S795D1560U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	747.9	747.8	748.4	749.7	750.9	752.2	753.6
115°	860.9	861.6	862.0	862.0	862.0	862.0	862.0
117.5°	973.0	972.9	972.8	972.6	972.5	972.4	972.2
120°	1043.7	1044.4	1044.4	1043.7	1043.0	1042.4	1041.7
122.5°	1112.4	1112.8	1112.6	1112.0	1111.3	1110.5	1109.9
125°	1209.2	1210.2	1210.9	1211.2	1211.5	1211.9	1212.2
127.5°	1303.6	1303.4	1303.1	1302.9	1302.6	1302.3	1302.1
130°	1362.5	1362.8	1363.0	1363.0	1363.0	1363.0	1363.0
132.5°	1419.8	1420.1	1420.2	1419.9	1419.6	1419.4	1419.1
135°	1499.0	1499.8	1500.5	1501.1	1501.8	1502.5	1503.1
137.5°	1574.8	1575.6	1575.8	1575.6	1575.4	1575.2	1575.0
140°	1621.9	1623.0	1623.6	1624.0	1624.3	1624.6	1625.0
142.5°	1665.0	1665.7	1666.1	1666.2	1666.3	1666.3	1666.4
145°	1726.5	1726.8	1727.4	1728.0	1728.7	1729.4	1730.0
147.5°	1780.8	1781.1	1781.4	1781.7	1782.0	1782.4	1782.7
150°	1815.3	1815.3	1815.5	1815.8	1816.1	1816.5	1816.8
152.5°	1846.1	1846.7	1846.8	1846.6	1846.4	1846.2	1846.0
155°	1887.9	1889.3	1889.5	1888.4	1887.4	1886.4	1885.4
157.5°	1923.6	1925.3	1925.3	1923.6	1921.8	1920.1	1918.2
160°	1946.3	1948.3	1948.3	1946.3	1944.3	1942.3	1940.2
162.5°	1964.6	1966.6	1966.4	1964.2	1961.9	1959.5	1957.2
165°	1990.9	1993.7	1993.5	1990.4	1987.4	1984.4	1981.4
167.5°	2010.0	2013.1	2012.9	2009.4	2006.1	2002.7	1999.3
170°	2021.4	2024.2	2023.8	2020.4	2017.0	2013.7	2010.2
172.5°	2028.7	2031.4	2030.9	2027.3	2023.7	2020.0	2016.3
175°	2037.7	2040.7	2040.2	2036.1	2032.1	2028.0	2024.0
177.5°	2040.2	2042.4	2041.8	2038.6	2035.3	2032.1	2028.8
180°	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1	2036.1

(END OF REPORT)