

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: P333063-830

Luminaire Tested: **S124RDIW-S795D1050U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333063-830
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-S795D1050U830-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7098.2 lumens
Efficiency: N/A
Efficacy: 134.9 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: General Diffuse

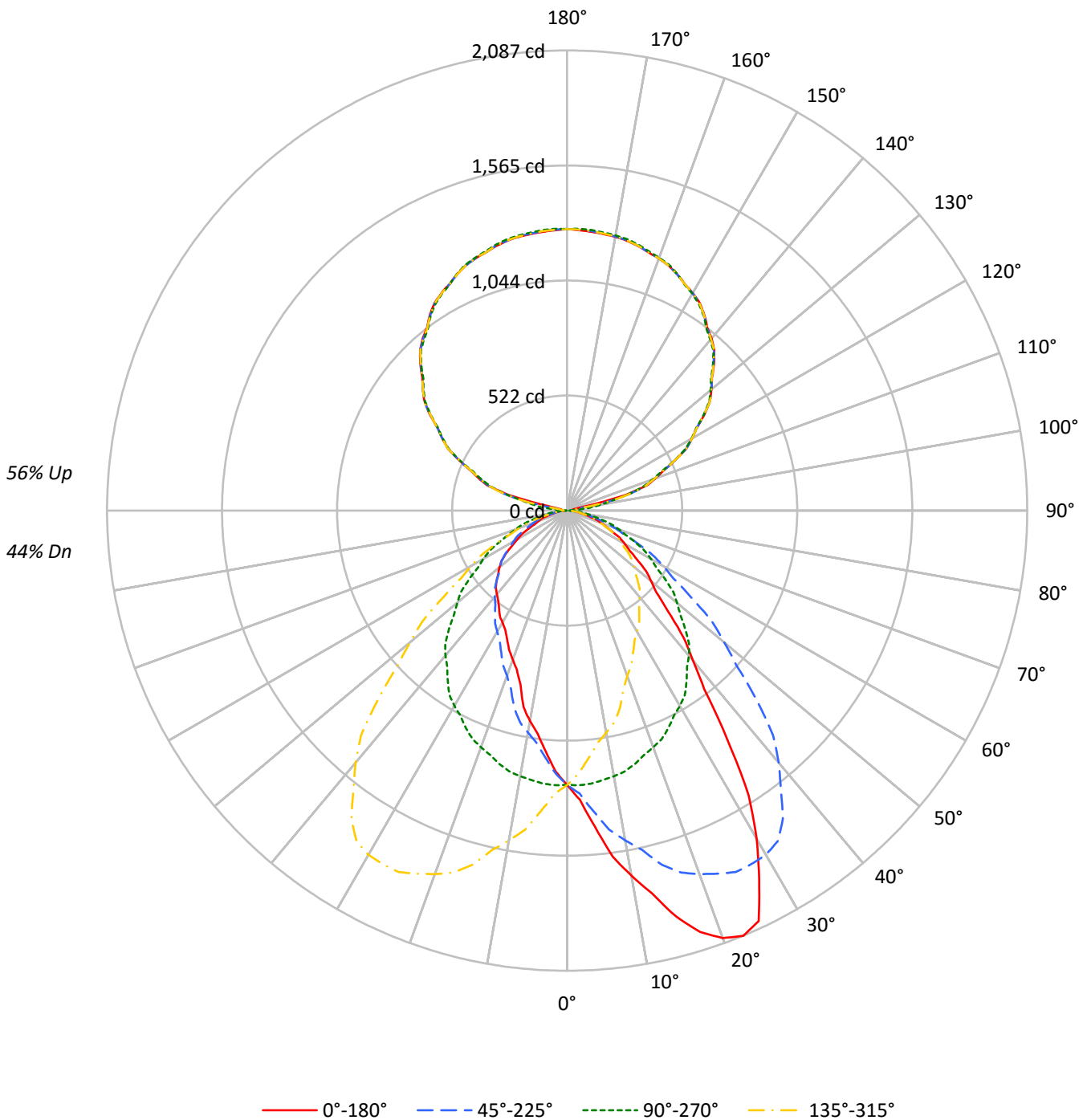
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44					44			
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38					38			
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33					33			
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28					28			
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24					24			
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21					21			
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19					19			
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17					17			
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15					15			
9	50	38	31	26	46	36	29	25	30	25	22	26	22	19	21	18	16	14					14			
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	19	17	15	13					13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10044	10044	10044	10044
5°	11651	10075	8904	10075
10°	13782	10030	7947	10030
15°	15921	9937	6829	9937
20°	17725	9810	6176	9810
25°	18299	9685	5734	9685
30°	16018	9533	5466	9533
35°	12470	9307	5306	9307
40°	9351	9049	5220	9049
45°	7383	8636	5174	8636
50°	6232	8160	5024	8160
55°	5433	7633	4756	7633
60°	4887	7090	4209	7090
65°	4309	6502	3620	6502
70°	3880	5894	3267	5894
75°	3250	5221	2785	5221
80°	2752	4454	2613	4454
85°	2325	3483	2325	3483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.7
10°-20°	363.6	5.1
20°-30°	568.8	8.0
30°-40°	632.3	8.9
40°-50°	561.0	7.9
50°-60°	437.1	6.2
60°-70°	286.2	4.0
70°-80°	140.7	2.0
80°-90°	38.4	0.5
90°-100°	43.7	0.6
100°-110°	278.4	3.9
110°-120°	532.6	7.5
120°-130°	676.2	9.5
130°-140°	723.4	10.2
140°-150°	676.5	9.5
150°-160°	545.5	7.7
160°-170°	351.9	5.0
170°-180°	121.3	1.7
0°-30°	1052.9	14.8
0°-40°	1685.2	23.7
0°-60°	2683.3	37.8
0°-90°	3148.7	44.4
90°-120°	854.7	12.0
90°-150°	2930.8	41.3
90°-180°	3949.0	55.6
0°-180°	7098.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1244	1244	1244	1244	1244	
5°	1438	1243	1099	1243	1438	145
15°	1905	1189	817	1189	1905	542
25°	2054	1087	644	1087	2054	911
35°	1265	944	538	944	1265	793
45°	647	756	453	756	647	512
55°	386	542	338	542	386	351
65°	226	340	190	340	226	227
75°	104	167	89	167	104	115
85°	25	38	25	38	25	29
90°	29	3	29	3	29	13
95°	28	52	28	52	28	22
105°	272	288	272	288	272	237
115°	540	537	540	537	540	535
125°	760	754	760	754	760	677
135°	942	936	942	936	942	726
145°	1085	1079	1085	1079	1085	678
155°	1182	1183	1182	1183	1182	545
165°	1242	1248	1242	1248	1242	351
175°	1269	1277	1269	1277	1269	121
180°	1277	1277	1277	1277	1277	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1312.3	1316.0	1312.3	1311.9	1308.0	1306.7	1305.1	1300.0	1290.2	1284.7	1285.9
5°	1437.7	1450.2	1443.2	1442.2	1431.2	1420.1	1413.1	1397.0	1380.0	1368.5	1359.0
7.5°	1582.6	1589.9	1585.5	1578.4	1560.6	1550.5	1534.2	1513.1	1482.5	1459.2	1437.8
10°	1681.3	1687.3	1685.3	1672.3	1659.3	1632.7	1617.6	1588.1	1549.4	1518.9	1490.3
12.5°	1778.3	1784.8	1767.1	1767.7	1743.0	1722.1	1698.3	1661.0	1616.5	1577.1	1541.2
15°	1904.9	1896.9	1896.9	1886.8	1859.3	1830.1	1805.6	1766.5	1710.3	1663.2	1613.6
17.5°	2003.9	2006.7	2002.6	1979.0	1957.3	1927.2	1882.2	1836.5	1784.4	1721.2	1670.5
20°	2063.2	2063.2	2058.8	2042.7	2014.7	1982.5	1933.9	1884.3	1818.2	1754.4	1697.3
22.5°	2087.4	2089.0	2083.6	2070.4	2045.1	2013.8	1972.5	1922.0	1853.8	1782.2	1711.4
25°	2054.3	2063.8	2064.7	2061.2	2053.7	2034.7	1999.1	1947.5	1886.3	1808.6	1732.4
27.5°	1886.0	1898.0	1908.6	1925.9	1949.0	1961.0	1962.6	1936.4	1883.0	1808.2	1731.5
30°	1718.3	1728.4	1761.0	1803.6	1836.7	1866.8	1892.8	1899.9	1869.8	1802.6	1721.9
32.5°	1532.3	1546.0	1578.6	1624.4	1679.5	1730.4	1788.9	1818.8	1818.1	1777.7	1703.1
35°	1265.3	1275.3	1305.3	1353.5	1419.7	1495.3	1588.1	1660.2	1709.4	1705.8	1660.2
37.5°	1020.4	1031.7	1062.2	1102.0	1166.2	1259.9	1349.6	1449.1	1539.9	1590.9	1575.7
40°	887.3	887.8	917.4	958.5	1018.6	1100.3	1198.1	1308.3	1409.6	1492.3	1508.4
42.5°	782.2	782.3	801.8	846.1	889.5	966.4	1059.7	1169.2	1287.7	1383.3	1425.8
45°	646.7	651.2	667.2	693.8	727.8	793.1	867.7	969.5	1102.3	1215.6	1286.3
47.5°	547.6	554.2	564.4	586.1	613.2	656.7	718.4	809.8	917.9	1042.5	1143.1
50°	496.2	497.3	510.3	522.4	545.9	580.5	634.6	710.8	810.0	929.9	1041.7
52.5°	452.1	451.9	459.8	475.0	494.2	521.1	564.9	634.2	722.3	829.6	945.0
55°	386.0	388.5	394.5	406.5	421.0	440.2	474.7	526.9	596.1	687.8	792.5
57.5°	335.6	337.0	341.7	346.8	360.1	374.0	399.9	436.1	494.5	569.6	667.2
60°	302.7	303.3	304.8	312.3	322.8	335.8	353.4	384.0	433.1	501.8	579.0
62.5°	270.7	271.5	273.9	279.4	287.6	296.5	314.9	339.5	380.1	438.8	508.4
65°	225.6	226.1	229.6	231.6	238.1	246.1	259.7	276.2	304.3	353.4	406.0
67.5°	188.5	188.5	188.7	191.4	195.9	201.2	209.3	222.5	243.7	273.9	320.3
70°	164.4	164.4	165.4	166.9	169.5	173.9	178.4	188.5	204.1	228.6	264.2
72.5°	141.9	142.3	143.4	143.6	145.0	148.6	152.0	158.4	169.9	188.5	217.3
75°	104.2	105.8	108.3	110.3	112.8	112.3	115.8	119.8	123.3	134.3	150.9
77.5°	77.6	76.8	77.1	78.8	79.1	79.6	82.1	85.2	87.8	93.0	99.0
80°	59.2	59.2	60.7	61.2	60.7	61.2	63.6	65.1	66.2	68.1	73.7
82.5°	44.7	45.5	45.1	45.5	45.8	46.3	48.4	48.7	49.8	50.5	52.9
85°	25.1	25.5	26.1	25.1	25.1	25.1	26.1	26.6	27.6	27.1	28.1
87.5°	14.5	14.0	14.4	14.3	14.6	14.0	14.2	14.7	13.7	13.9	13.5
90°	28.7	28.2	27.8	27.3	27.0	26.1	24.8	23.6	22.2	21.0	19.3
92.5°	26.4	26.3	26.2	26.1	26.0	25.4	24.0	22.8	21.5	20.3	18.6
95°	27.7	27.5	27.2	27.1	26.9	26.1	24.8	23.6	22.2	21.0	20.8
97.5°	26.8	26.5	26.3	26.1	25.9	25.7	25.6	25.4	25.4	25.2	48.9
100°	26.8	26.5	26.3	26.1	25.9	27.6	31.2	34.8	38.5	42.0	71.4
102.5°	27.5	27.4	27.4	27.3	27.3	46.8	85.7	124.6	163.5	202.5	206.2
105°	272.2	279.8	287.5	295.1	302.7	305.6	303.7	301.8	299.8	297.9	296.9
107.5°	379.3	378.5	377.7	376.9	376.1	375.2	374.3	373.3	372.4	371.5	370.0
110°	425.9	425.3	424.6	424.0	423.4	422.8	422.4	422.0	421.6	421.1	419.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	472.5	471.7	470.9	470.1	469.3	468.9	469.0	469.1	469.2	469.3	468.6
115°	540.5	540.5	540.5	540.5	540.5	540.3	539.9	539.4	539.0	538.6	538.9
117.5°	609.6	609.7	609.8	609.9	610.0	610.1	610.2	610.2	610.3	610.4	609.9
120°	653.2	653.7	654.0	654.5	654.9	654.9	654.5	654.0	653.7	653.2	653.4
122.5°	696.0	696.4	696.8	697.3	697.7	697.8	697.5	697.3	697.0	696.7	696.4
125°	760.2	760.0	759.7	759.5	759.3	758.8	758.3	757.6	757.0	756.3	756.8
127.5°	816.5	816.6	816.8	817.0	817.2	817.3	817.5	817.6	817.7	817.8	816.8
130°	854.7	854.7	854.7	854.7	854.7	854.6	854.4	854.1	853.9	853.8	853.1
132.5°	889.9	890.0	890.1	890.3	890.5	890.5	890.3	890.0	889.9	889.7	888.8
135°	942.5	942.2	941.7	941.3	940.8	940.5	940.0	939.6	939.1	938.8	937.9
137.5°	987.6	987.8	987.9	988.0	988.2	988.0	987.5	987.0	986.6	986.1	985.1
140°	1019.0	1018.7	1018.5	1018.3	1018.1	1017.7	1017.0	1016.4	1015.8	1015.1	1014.7
142.5°	1044.9	1044.9	1044.8	1044.8	1044.7	1044.5	1044.1	1043.6	1043.1	1042.6	1042.4
145°	1084.9	1084.4	1084.0	1083.5	1083.2	1082.8	1082.6	1082.4	1082.2	1081.9	1081.9
147.5°	1117.9	1117.7	1117.5	1117.3	1117.0	1116.8	1116.6	1116.5	1116.3	1116.2	1116.3
150°	1139.3	1139.1	1138.9	1138.6	1138.4	1138.3	1138.3	1138.3	1138.3	1138.3	1138.5
152.5°	1157.6	1157.7	1157.8	1158.0	1158.1	1158.0	1157.6	1157.3	1157.0	1156.7	1157.1
155°	1182.2	1182.9	1183.6	1184.1	1184.8	1184.7	1183.8	1183.0	1182.1	1181.3	1181.9
157.5°	1202.9	1204.0	1205.0	1206.2	1207.3	1207.3	1206.2	1205.0	1204.0	1202.9	1203.6
160°	1216.6	1217.9	1219.2	1220.4	1221.7	1221.7	1220.4	1219.2	1217.9	1216.6	1216.8
162.5°	1227.3	1228.8	1230.2	1231.6	1233.1	1233.1	1231.9	1230.6	1229.4	1228.0	1228.3
165°	1242.4	1244.3	1246.2	1248.1	1250.0	1250.2	1248.5	1246.8	1245.1	1243.4	1243.4
167.5°	1253.7	1255.8	1257.9	1260.1	1262.2	1262.3	1260.5	1258.6	1256.7	1254.8	1255.0
170°	1260.6	1262.6	1264.8	1266.9	1269.0	1269.2	1267.5	1265.8	1264.1	1262.4	1262.3
172.5°	1264.3	1266.7	1268.9	1271.2	1273.6	1273.8	1272.1	1270.5	1268.8	1267.1	1266.9
175°	1269.1	1271.7	1274.2	1276.8	1279.3	1279.7	1277.7	1275.8	1273.9	1272.1	1271.8
177.5°	1272.2	1274.2	1276.3	1278.3	1280.3	1280.7	1279.3	1278.0	1276.6	1275.3	1274.9
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1281.9	1276.3	1273.5	1267.1	1259.4	1255.4	1251.8	1246.6	1239.7	1232.6	1227.3
5°	1346.9	1334.9	1319.8	1301.8	1285.8	1270.3	1256.7	1243.2	1227.7	1211.5	1195.5
7.5°	1413.7	1390.1	1364.5	1334.9	1306.2	1280.0	1255.9	1232.8	1206.7	1183.5	1162.2
10°	1460.2	1428.1	1392.5	1355.0	1317.4	1284.8	1252.7	1223.6	1191.6	1163.0	1138.9
12.5°	1497.9	1460.2	1417.4	1370.6	1325.4	1286.0	1249.1	1211.2	1174.7	1143.7	1111.6
15°	1560.5	1508.8	1451.2	1395.1	1336.4	1282.8	1233.1	1189.0	1147.5	1103.8	1073.3
17.5°	1603.5	1542.2	1472.2	1404.7	1335.4	1272.1	1214.9	1162.3	1114.4	1069.8	1033.4
20°	1629.2	1561.5	1483.8	1407.1	1329.4	1261.7	1200.0	1141.9	1092.3	1044.1	1006.5
22.5°	1643.6	1568.7	1483.8	1403.4	1323.0	1249.7	1182.0	1121.4	1067.4	1019.3	977.7
25°	1648.2	1568.0	1481.3	1389.0	1300.8	1223.1	1152.9	1087.3	1027.1	979.0	934.9
27.5°	1641.8	1547.4	1458.5	1363.9	1272.8	1190.9	1117.3	1048.3	988.1	936.4	891.2
30°	1632.2	1530.9	1435.7	1337.4	1245.2	1166.5	1088.7	1022.6	960.0	906.3	860.7
32.5°	1611.3	1510.9	1408.3	1307.8	1214.3	1133.2	1059.5	993.0	931.5	876.7	828.2
35°	1570.0	1468.3	1357.0	1253.7	1162.0	1077.7	1008.6	944.4	885.8	827.1	776.0
37.5°	1515.6	1411.6	1300.9	1187.8	1096.0	1016.5	953.0	892.8	835.6	782.0	725.4
40°	1464.2	1369.5	1255.2	1142.9	1048.7	971.9	913.3	858.7	801.1	747.9	691.3
42.5°	1402.0	1321.4	1205.9	1093.2	1000.1	926.2	871.7	818.2	765.7	714.3	655.2
45°	1298.4	1237.2	1128.9	1020.6	926.9	853.7	803.5	756.4	710.3	661.2	605.6
47.5°	1179.4	1138.0	1044.5	933.7	847.0	781.1	732.6	694.2	655.2	606.1	557.2
50°	1096.8	1070.3	980.0	878.7	796.1	735.4	685.8	649.7	617.1	570.0	526.3
52.5°	1008.6	994.5	918.2	821.4	741.5	682.0	639.6	607.2	574.2	535.1	494.3
55°	874.2	881.7	817.1	733.4	658.2	608.0	569.5	542.3	514.3	481.3	449.7
57.5°	736.9	764.3	721.0	647.4	576.9	530.7	501.6	478.8	455.2	427.8	400.9
60°	654.7	677.7	653.2	588.5	526.9	483.7	456.7	439.1	415.6	390.5	369.9
62.5°	574.5	599.2	584.6	532.3	475.1	438.0	414.2	397.8	380.3	358.4	337.1
65°	473.7	489.7	482.8	446.7	406.0	374.5	352.4	340.4	324.3	308.3	289.3
67.5°	362.8	393.8	389.7	370.5	335.5	310.8	296.3	285.7	271.1	259.2	246.2
70°	298.2	326.9	326.3	310.8	291.7	268.7	258.6	249.7	236.6	225.1	214.5
72.5°	244.1	270.3	274.2	262.3	249.2	231.8	222.2	215.9	203.3	195.4	186.9
75°	171.0	190.0	195.0	195.0	189.0	179.9	171.4	167.4	158.4	151.4	146.4
77.5°	112.1	124.1	132.0	133.7	134.7	131.7	124.6	121.8	114.9	112.4	107.5
80°	79.2	87.2	96.2	99.2	101.8	100.8	97.7	95.8	89.3	86.7	84.7
82.5°	54.8	59.2	66.5	73.1	72.5	75.1	72.5	70.9	66.0	65.0	63.1
85°	28.6	29.0	30.1	34.6	37.1	38.1	38.6	37.6	36.1	36.1	32.6
87.5°	13.1	12.4	12.9	12.4	12.4	13.6	14.2	14.2	13.5	12.7	12.0
90°	17.6	15.9	14.2	12.2	9.9	7.5	5.2	2.8	5.2	7.5	9.9
92.5°	16.9	15.2	13.5	12.5	12.4	12.3	12.2	12.1	12.2	12.3	12.4
95°	20.5	20.4	20.2	23.7	30.9	38.1	45.3	52.5	45.3	38.1	30.9
97.5°	72.6	96.2	120.0	129.5	125.1	120.6	116.0	111.5	116.0	120.6	125.1
100°	100.6	129.9	159.2	171.9	168.1	164.3	160.4	156.7	160.4	164.3	168.1
102.5°	210.1	214.0	217.7	218.2	215.5	212.6	209.8	207.1	209.8	212.6	215.5
105°	295.9	294.7	293.7	292.6	291.2	290.0	288.7	287.5	288.7	290.0	291.2
107.5°	368.6	367.1	365.7	364.7	364.0	363.4	362.8	362.1	362.8	363.4	364.0
110°	418.6	417.4	416.0	415.1	414.4	413.8	413.2	412.6	413.2	413.8	414.4



TEST NUMBER: P333063-830

CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	468.1	467.5	466.9	466.0	464.9	463.7	462.6	461.5	462.6	463.7	464.9
115°	539.0	539.2	539.4	539.2	538.6	538.0	537.3	536.7	537.3	538.0	538.6
117.5°	609.4	609.0	608.5	607.8	607.0	606.1	605.3	604.5	605.3	606.1	607.0
120°	653.7	653.8	654.0	653.7	652.9	652.1	651.2	650.4	651.2	652.1	652.9
122.5°	696.2	695.9	695.6	695.1	694.7	694.1	693.6	693.1	693.6	694.1	694.7
125°	757.1	757.6	758.0	757.8	757.0	756.1	755.3	754.4	755.3	756.1	757.0
127.5°	815.9	814.9	813.9	813.3	813.1	812.9	812.7	812.5	812.7	812.9	813.1
130°	852.4	851.9	851.2	850.7	850.6	850.4	850.2	849.9	850.2	850.4	850.6
132.5°	888.1	887.2	886.5	885.8	885.4	885.0	884.7	884.3	884.7	885.0	885.4
135°	937.1	936.2	935.4	935.0	935.2	935.5	935.7	935.9	935.7	935.5	935.2
137.5°	984.2	983.3	982.3	981.8	981.8	981.7	981.6	981.5	981.6	981.7	981.8
140°	1014.3	1013.9	1013.4	1013.0	1012.6	1012.2	1011.7	1011.3	1011.7	1012.2	1012.6
142.5°	1042.1	1041.9	1041.6	1041.1	1040.4	1039.5	1038.8	1038.0	1038.8	1039.5	1040.4
145°	1081.9	1081.9	1081.9	1081.7	1081.0	1080.3	1079.8	1079.1	1079.8	1080.3	1081.0
147.5°	1116.6	1116.8	1117.0	1116.5	1115.3	1114.2	1113.0	1111.7	1113.0	1114.2	1115.3
150°	1138.8	1139.0	1139.2	1138.9	1138.0	1137.2	1136.3	1135.5	1136.3	1137.2	1138.0
152.5°	1157.4	1157.8	1158.2	1158.0	1157.3	1156.7	1156.0	1155.3	1156.0	1156.7	1157.3
155°	1182.6	1183.2	1183.8	1184.0	1183.8	1183.6	1183.5	1183.2	1183.5	1183.6	1183.8
157.5°	1204.3	1205.0	1205.8	1206.2	1206.3	1206.5	1206.5	1206.7	1206.5	1206.5	1206.3
160°	1217.0	1217.3	1217.5	1217.9	1218.5	1219.2	1219.8	1220.4	1219.8	1219.2	1218.5
162.5°	1228.5	1228.7	1228.9	1229.5	1230.2	1231.1	1231.9	1232.7	1231.9	1231.1	1230.2
165°	1243.4	1243.4	1243.4	1243.9	1244.9	1246.0	1247.1	1248.1	1247.1	1246.0	1244.9
167.5°	1255.1	1255.2	1255.4	1255.9	1257.1	1258.2	1259.2	1260.4	1259.2	1258.2	1257.1
170°	1262.1	1261.8	1261.6	1262.2	1263.4	1264.7	1265.9	1267.2	1265.9	1264.7	1263.4
172.5°	1266.6	1266.4	1266.2	1266.7	1268.0	1269.2	1270.5	1271.8	1270.5	1269.2	1268.0
175°	1271.6	1271.4	1271.2	1271.7	1273.0	1274.2	1275.5	1276.8	1275.5	1274.2	1273.0
177.5°	1274.6	1274.2	1273.9	1274.3	1275.5	1276.7	1277.9	1279.0	1277.9	1276.7	1275.5
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



TEST NUMBER: P333063-830

CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1221.7	1217.7	1212.5	1206.5	1199.3	1192.9	1190.1	1192.4	1193.6	1190.4	1190.1
5°	1184.5	1172.0	1162.0	1146.9	1134.9	1124.8	1117.9	1114.8	1115.9	1107.9	1105.8
7.5°	1142.7	1127.8	1111.4	1093.6	1076.9	1062.2	1054.5	1050.3	1041.8	1038.1	1032.0
10°	1115.9	1095.8	1079.8	1058.7	1039.6	1022.1	1013.6	1006.5	998.1	994.0	985.5
12.5°	1088.2	1064.9	1047.3	1025.4	1006.0	984.8	976.7	963.7	950.4	941.9	930.9
15°	1049.1	1021.2	999.6	973.5	950.5	926.3	904.8	880.7	871.8	852.7	841.7
17.5°	1003.5	975.1	948.4	913.4	877.9	848.0	825.0	801.9	788.2	776.0	770.3
20°	973.5	947.4	910.3	869.7	830.1	797.0	778.4	763.5	748.4	739.9	733.9
22.5°	945.0	911.7	868.6	824.8	785.2	759.3	743.6	728.1	716.0	707.8	699.7
25°	897.3	853.7	808.0	757.9	730.8	708.3	691.3	678.7	671.2	660.7	656.7
27.5°	848.3	795.4	745.1	711.4	683.2	662.6	647.7	638.3	628.8	622.1	616.9
30°	810.6	757.0	711.8	679.8	651.2	634.1	622.1	611.1	603.5	598.0	594.0
32.5°	773.3	719.6	681.7	647.2	624.7	608.0	595.2	587.0	581.1	574.0	571.6
35°	719.3	671.8	638.7	607.6	584.5	569.5	559.4	550.9	545.9	543.8	542.3
37.5°	667.5	628.5	593.0	567.4	546.9	535.1	523.2	519.1	515.6	512.0	513.6
40°	634.6	598.0	566.5	539.4	522.8	509.8	502.8	497.8	494.7	494.7	494.7
42.5°	606.1	570.3	539.6	515.3	498.8	487.8	479.9	475.7	474.7	474.3	476.7
45°	561.9	528.9	497.8	477.7	463.6	452.6	448.2	444.6	444.6	446.7	447.1
47.5°	518.1	487.1	462.2	439.7	426.9	420.0	416.0	414.2	414.4	416.5	418.8
50°	491.3	460.7	436.1	416.0	404.1	397.5	394.0	393.0	394.0	394.0	397.5
52.5°	461.9	434.6	410.5	393.6	379.9	373.8	371.9	370.5	371.2	372.8	374.3
55°	419.1	394.5	371.5	355.4	345.3	341.4	336.9	337.3	336.4	337.3	337.3
57.5°	376.1	354.0	332.5	319.8	311.0	305.2	300.3	301.7	300.2	300.0	299.2
60°	348.4	324.3	307.3	295.8	285.7	280.7	276.2	277.2	275.7	274.7	272.7
62.5°	318.3	298.2	282.0	270.9	262.9	257.0	252.5	251.6	248.1	244.6	240.3
65°	274.7	258.2	243.6	233.1	225.6	221.0	217.5	214.5	207.0	199.0	195.0
67.5°	232.3	220.4	206.8	197.9	191.8	185.9	179.2	174.1	167.0	162.6	160.1
70°	205.0	193.5	182.0	173.4	166.9	161.5	153.9	150.4	145.3	143.4	140.8
72.5°	179.0	168.2	157.5	149.8	142.9	138.6	132.6	129.1	127.0	126.1	123.7
75°	139.4	130.8	122.8	115.8	110.3	107.3	104.8	102.3	101.2	96.7	94.3
77.5°	101.7	96.0	91.0	86.1	82.1	80.1	75.3	72.4	70.7	68.6	68.1
80°	79.2	75.2	70.2	67.2	61.6	59.7	57.7	57.1	56.6	56.2	55.6
82.5°	59.6	55.5	50.5	48.7	47.2	46.0	44.8	44.3	43.8	44.1	44.0
85°	30.1	28.1	28.1	27.6	27.1	26.6	26.1	26.1	25.5	26.1	25.5
87.5°	12.4	12.4	12.8	12.3	13.1	13.4	13.3	13.6	14.2	13.7	13.9
90°	12.2	14.2	15.9	17.6	19.3	21.0	22.2	23.6	24.8	26.1	27.0
92.5°	12.5	13.5	15.2	16.9	18.6	20.3	21.5	22.8	24.0	25.4	26.0
95°	23.7	20.2	20.4	20.5	20.8	21.0	22.2	23.6	24.8	26.1	26.9
97.5°	129.5	120.0	96.2	72.6	48.9	25.2	25.4	25.4	25.6	25.7	25.9
100°	171.9	159.2	129.9	100.6	71.4	42.0	38.5	34.8	31.2	27.6	25.9
102.5°	218.2	217.7	214.0	210.1	206.2	202.5	163.5	124.6	85.7	46.8	27.3
105°	292.6	293.7	294.7	295.9	296.9	297.9	299.8	301.8	303.7	305.6	302.7
107.5°	364.7	365.7	367.1	368.6	370.0	371.5	372.4	373.3	374.3	375.2	376.1
110°	415.1	416.0	417.4	418.6	419.9	421.1	421.6	422.0	422.4	422.8	423.4



TEST NUMBER: P333063-830

CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	466.0	466.9	467.5	468.1	468.6	469.3	469.2	469.1	469.0	468.9	469.3
115°	539.2	539.4	539.2	539.0	538.9	538.6	539.0	539.4	539.9	540.3	540.5
117.5°	607.8	608.5	609.0	609.4	609.9	610.4	610.3	610.2	610.2	610.1	610.0
120°	653.7	654.0	653.8	653.7	653.4	653.2	653.7	654.0	654.5	654.9	654.9
122.5°	695.1	695.6	695.9	696.2	696.4	696.7	697.0	697.3	697.5	697.8	697.7
125°	757.8	758.0	757.6	757.1	756.8	756.3	757.0	757.6	758.3	758.8	759.3
127.5°	813.3	813.9	814.9	815.9	816.8	817.8	817.7	817.6	817.5	817.3	817.2
130°	850.7	851.2	851.9	852.4	853.1	853.8	853.9	854.1	854.4	854.6	854.7
132.5°	885.8	886.5	887.2	888.1	888.8	889.7	889.9	890.0	890.3	890.5	890.5
135°	935.0	935.4	936.2	937.1	937.9	938.8	939.1	939.6	940.0	940.5	940.8
137.5°	981.8	982.3	983.3	984.2	985.1	986.1	986.6	987.0	987.5	988.0	988.2
140°	1013.0	1013.4	1013.9	1014.3	1014.7	1015.1	1015.8	1016.4	1017.0	1017.7	1018.1
142.5°	1041.1	1041.6	1041.9	1042.1	1042.4	1042.6	1043.1	1043.6	1044.1	1044.5	1044.7
145°	1081.7	1081.9	1081.9	1081.9	1081.9	1081.9	1082.2	1082.4	1082.6	1082.8	1083.2
147.5°	1116.5	1117.0	1116.8	1116.6	1116.3	1116.2	1116.3	1116.5	1116.6	1116.8	1117.0
150°	1138.9	1139.2	1139.0	1138.8	1138.5	1138.3	1138.3	1138.3	1138.3	1138.3	1138.4
152.5°	1158.0	1158.2	1157.8	1157.4	1157.1	1156.7	1157.0	1157.3	1157.6	1158.0	1158.1
155°	1184.0	1183.8	1183.2	1182.6	1181.9	1181.3	1182.1	1183.0	1183.8	1184.7	1184.8
157.5°	1206.2	1205.8	1205.0	1204.3	1203.6	1202.9	1204.0	1205.0	1206.2	1207.3	1207.3
160°	1217.9	1217.5	1217.3	1217.0	1216.8	1216.6	1217.9	1219.2	1220.4	1221.7	1221.7
162.5°	1229.5	1228.9	1228.7	1228.5	1228.3	1228.0	1229.4	1230.6	1231.9	1233.1	1233.1
165°	1243.9	1243.4	1243.4	1243.4	1243.4	1243.4	1245.1	1246.8	1248.5	1250.2	1250.0
167.5°	1255.9	1255.4	1255.2	1255.1	1255.0	1254.8	1256.7	1258.6	1260.5	1262.3	1262.2
170°	1262.2	1261.6	1261.8	1262.1	1262.3	1262.4	1264.1	1265.8	1267.5	1269.2	1269.0
172.5°	1266.7	1266.2	1266.4	1266.6	1266.9	1267.1	1268.8	1270.5	1272.1	1273.8	1273.6
175°	1271.7	1271.2	1271.4	1271.6	1271.8	1272.1	1273.9	1275.8	1277.7	1279.7	1279.3
177.5°	1274.3	1273.9	1274.2	1274.6	1274.9	1275.3	1276.6	1278.0	1279.3	1280.7	1280.3
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



TEST NUMBER: P333063-830

CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1187.6	1188.5	1185.6	1184.8	1185.6	1188.5	1187.6	1190.1	1190.4	1193.6	1192.4
5°	1101.8	1100.8	1098.3	1098.8	1098.3	1100.8	1101.8	1105.8	1107.9	1115.9	1114.8
7.5°	1028.4	1024.5	1025.6	1021.6	1025.6	1024.5	1028.4	1032.0	1038.1	1041.8	1050.3
10°	983.5	978.0	973.5	969.5	973.5	978.0	983.5	985.5	994.0	998.1	1006.5
12.5°	922.2	917.5	911.3	912.6	911.3	917.5	922.2	930.9	941.9	950.4	963.7
15°	835.1	827.6	815.6	817.1	815.6	827.6	835.1	841.7	852.7	871.8	880.7
17.5°	761.5	761.6	756.0	757.3	756.0	761.6	761.5	770.3	776.0	788.2	801.9
20°	723.3	719.8	720.3	718.9	720.3	719.8	723.3	733.9	739.9	748.4	763.5
22.5°	696.9	692.6	689.1	686.0	689.1	692.6	696.9	699.7	707.8	716.0	728.1
25°	652.1	649.1	644.6	643.7	644.6	649.1	652.1	656.7	660.7	671.2	678.7
27.5°	612.8	612.3	610.5	608.1	610.5	612.3	612.8	616.9	622.1	628.8	638.3
30°	590.0	589.0	588.0	586.4	588.0	589.0	590.0	594.0	598.0	603.5	611.1
32.5°	569.6	568.9	568.0	568.1	568.0	568.9	569.6	571.6	574.0	581.1	587.0
35°	540.4	539.9	538.9	538.4	538.9	539.9	540.4	542.3	543.8	545.9	550.9
37.5°	513.1	514.4	513.8	513.7	513.8	514.4	513.1	513.6	512.0	515.6	519.1
40°	494.3	494.7	495.8	495.3	495.8	494.7	494.3	494.7	494.7	494.7	497.8
42.5°	478.6	478.7	480.1	478.4	480.1	478.7	478.6	476.7	474.3	474.7	475.7
45°	450.6	453.6	453.2	453.2	453.2	453.6	450.6	447.1	446.7	444.6	444.6
47.5°	420.1	422.6	423.4	423.3	423.4	422.6	420.1	418.8	416.5	414.4	414.2
50°	400.0	399.0	400.5	400.0	400.5	399.0	400.0	397.5	394.0	394.0	393.0
52.5°	375.6	375.8	375.7	375.1	375.7	375.8	375.6	374.3	372.8	371.2	370.5
55°	337.9	338.4	337.3	337.9	337.3	338.4	337.9	337.3	337.3	336.4	337.3
57.5°	297.0	294.5	295.6	294.4	295.6	294.5	297.0	299.2	300.0	300.2	301.7
60°	267.7	263.6	262.7	260.7	262.7	263.6	267.7	272.7	274.7	275.7	277.2
62.5°	234.8	232.0	228.6	230.2	228.6	232.0	234.8	240.3	244.6	248.1	251.6
65°	191.0	189.0	187.5	189.5	187.5	189.0	191.0	195.0	199.0	207.0	214.5
67.5°	158.1	157.0	157.0	156.0	157.0	157.0	158.1	160.1	162.6	167.0	174.1
70°	140.8	139.4	139.4	138.4	139.4	139.4	140.8	140.8	143.4	145.3	150.4
72.5°	123.2	121.7	122.2	121.5	122.2	121.7	123.2	123.7	126.1	127.0	129.1
75°	91.2	88.7	88.7	89.3	88.7	88.7	91.2	94.3	96.7	101.2	102.3
77.5°	68.1	67.6	68.2	67.4	68.2	67.6	68.1	68.1	68.6	70.7	72.4
80°	55.6	55.1	54.7	56.2	54.7	55.1	55.6	55.6	56.2	56.6	57.1
82.5°	43.2	43.1	43.0	45.0	43.0	43.1	43.2	44.0	44.1	43.8	44.3
85°	26.1	25.1	26.1	25.1	26.1	25.1	26.1	25.5	26.1	25.5	26.1
87.5°	14.7	14.4	14.0	14.5	14.0	14.4	14.7	13.9	13.7	14.2	13.6
90°	27.3	27.8	28.2	28.7	28.2	27.8	27.3	27.0	26.1	24.8	23.6
92.5°	26.1	26.2	26.3	26.4	26.3	26.2	26.1	26.0	25.4	24.0	22.8
95°	27.1	27.2	27.5	27.7	27.5	27.2	27.1	26.9	26.1	24.8	23.6
97.5°	26.1	26.3	26.5	26.8	26.5	26.3	26.1	25.9	25.7	25.6	25.4
100°	26.1	26.3	26.5	26.8	26.5	26.3	26.1	25.9	27.6	31.2	34.8
102.5°	27.3	27.4	27.4	27.5	27.4	27.4	27.3	27.3	46.8	85.7	124.6
105°	295.1	287.5	279.8	272.2	279.8	287.5	295.1	302.7	305.6	303.7	301.8
107.5°	376.9	377.7	378.5	379.3	378.5	377.7	376.9	376.1	375.2	374.3	373.3
110°	424.0	424.6	425.3	425.9	425.3	424.6	424.0	423.4	422.8	422.4	422.0



TEST NUMBER: P333063-830

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	470.1	470.9	471.7	472.5	471.7	470.9	470.1	469.3	468.9	469.0	469.1
115°	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.5	540.3	539.9	539.4
117.5°	609.9	609.8	609.7	609.6	609.7	609.8	609.9	610.0	610.1	610.2	610.2
120°	654.5	654.0	653.7	653.2	653.7	654.0	654.5	654.9	654.9	654.5	654.0
122.5°	697.3	696.8	696.4	696.0	696.4	696.8	697.3	697.7	697.8	697.5	697.3
125°	759.5	759.7	760.0	760.2	760.0	759.7	759.5	759.3	758.8	758.3	757.6
127.5°	817.0	816.8	816.6	816.5	816.6	816.8	817.0	817.2	817.3	817.5	817.6
130°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.6	854.4	854.1
132.5°	890.3	890.1	890.0	889.9	890.0	890.1	890.3	890.5	890.5	890.3	890.0
135°	941.3	941.7	942.2	942.5	942.2	941.7	941.3	940.8	940.5	940.0	939.6
137.5°	988.0	987.9	987.8	987.6	987.8	987.9	988.0	988.2	988.0	987.5	987.0
140°	1018.3	1018.5	1018.7	1019.0	1018.7	1018.5	1018.3	1018.1	1017.7	1017.0	1016.4
142.5°	1044.8	1044.8	1044.9	1044.9	1044.9	1044.8	1044.8	1044.7	1044.5	1044.1	1043.6
145°	1083.5	1084.0	1084.4	1084.9	1084.4	1084.0	1083.5	1083.2	1082.8	1082.6	1082.4
147.5°	1117.3	1117.5	1117.7	1117.9	1117.7	1117.5	1117.3	1117.0	1116.8	1116.6	1116.5
150°	1138.6	1138.9	1139.1	1139.3	1139.1	1138.9	1138.6	1138.4	1138.3	1138.3	1138.3
152.5°	1158.0	1157.8	1157.7	1157.6	1157.7	1157.8	1158.0	1158.1	1158.0	1157.6	1157.3
155°	1184.1	1183.6	1182.9	1182.2	1182.9	1183.6	1184.1	1184.8	1184.7	1183.8	1183.0
157.5°	1206.2	1205.0	1204.0	1202.9	1204.0	1205.0	1206.2	1207.3	1207.3	1206.2	1205.0
160°	1220.4	1219.2	1217.9	1216.6	1217.9	1219.2	1220.4	1221.7	1221.7	1220.4	1219.2
162.5°	1231.6	1230.2	1228.8	1227.3	1228.8	1230.2	1231.6	1233.1	1233.1	1231.9	1230.6
165°	1248.1	1246.2	1244.3	1242.4	1244.3	1246.2	1248.1	1250.0	1250.2	1248.5	1246.8
167.5°	1260.1	1257.9	1255.8	1253.7	1255.8	1257.9	1260.1	1262.2	1262.3	1260.5	1258.6
170°	1266.9	1264.8	1262.6	1260.6	1262.6	1264.8	1266.9	1269.0	1269.2	1267.5	1265.8
172.5°	1271.2	1268.9	1266.7	1264.3	1266.7	1268.9	1271.2	1273.6	1273.8	1272.1	1270.5
175°	1276.8	1274.2	1271.7	1269.1	1271.7	1274.2	1276.8	1279.3	1279.7	1277.7	1275.8
177.5°	1278.3	1276.3	1274.2	1272.2	1274.2	1276.3	1278.3	1280.3	1280.7	1279.3	1278.0
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



TEST NUMBER: P333063-830

CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1190.1	1192.9	1199.3	1206.5	1212.5	1217.7	1221.7	1227.3	1232.6	1239.7	1246.6
5°	1117.9	1124.8	1134.9	1146.9	1162.0	1172.0	1184.5	1195.5	1211.5	1227.7	1243.2
7.5°	1054.5	1062.2	1076.9	1093.6	1111.4	1127.8	1142.7	1162.2	1183.5	1206.7	1232.8
10°	1013.6	1022.1	1039.6	1058.7	1079.8	1095.8	1115.9	1138.9	1163.0	1191.6	1223.6
12.5°	976.7	984.8	1006.0	1025.4	1047.3	1064.9	1088.2	1111.6	1143.7	1174.7	1211.2
15°	904.8	926.3	950.5	973.5	999.6	1021.2	1049.1	1073.3	1103.8	1147.5	1189.0
17.5°	825.0	848.0	877.9	913.4	948.4	975.1	1003.5	1033.4	1069.8	1114.4	1162.3
20°	778.4	797.0	830.1	869.7	910.3	947.4	973.5	1006.5	1044.1	1092.3	1141.9
22.5°	743.6	759.3	785.2	824.8	868.6	911.7	945.0	977.7	1019.3	1067.4	1121.4
25°	691.3	708.3	730.8	757.9	808.0	853.7	897.3	934.9	979.0	1027.1	1087.3
27.5°	647.7	662.6	683.2	711.4	745.1	795.4	848.3	891.2	936.4	988.1	1048.3
30°	622.1	634.1	651.2	679.8	711.8	757.0	810.6	860.7	906.3	960.0	1022.6
32.5°	595.2	608.0	624.7	647.2	681.7	719.6	773.3	828.2	876.7	931.5	993.0
35°	559.4	569.5	584.5	607.6	638.7	671.8	719.3	776.0	827.1	885.8	944.4
37.5°	523.2	535.1	546.9	567.4	593.0	628.5	667.5	725.4	782.0	835.6	892.8
40°	502.8	509.8	522.8	539.4	566.5	598.0	634.6	691.3	747.9	801.1	858.7
42.5°	479.9	487.8	498.8	515.3	539.6	570.3	606.1	655.2	714.3	765.7	818.2
45°	448.2	452.6	463.6	477.7	497.8	528.9	561.9	605.6	661.2	710.3	756.4
47.5°	416.0	420.0	426.9	439.7	462.2	487.1	518.1	557.2	606.1	655.2	694.2
50°	394.0	397.5	404.1	416.0	436.1	460.7	491.3	526.3	570.0	617.1	649.7
52.5°	371.9	373.8	379.9	393.6	410.5	434.6	461.9	494.3	535.1	574.2	607.2
55°	336.9	341.4	345.3	355.4	371.5	394.5	419.1	449.7	481.3	514.3	542.3
57.5°	300.3	305.2	311.0	319.8	332.5	354.0	376.1	400.9	427.8	455.2	478.8
60°	276.2	280.7	285.7	295.8	307.3	324.3	348.4	369.9	390.5	415.6	439.1
62.5°	252.5	257.0	262.9	270.9	282.0	298.2	318.3	337.1	358.4	380.3	397.8
65°	217.5	221.0	225.6	233.1	243.6	258.2	274.7	289.3	308.3	324.3	340.4
67.5°	179.2	185.9	191.8	197.9	206.8	220.4	232.3	246.2	259.2	271.1	285.7
70°	153.9	161.5	166.9	173.4	182.0	193.5	205.0	214.5	225.1	236.6	249.7
72.5°	132.6	138.6	142.9	149.8	157.5	168.2	179.0	186.9	195.4	203.3	215.9
75°	104.8	107.3	110.3	115.8	122.8	130.8	139.4	146.4	151.4	158.4	167.4
77.5°	75.3	80.1	82.1	86.1	91.0	96.0	101.7	107.5	112.4	114.9	121.8
80°	57.7	59.7	61.6	67.2	70.2	75.2	79.2	84.7	86.7	89.3	95.8
82.5°	44.8	46.0	47.2	48.7	50.5	55.5	59.6	63.1	65.0	66.0	70.9
85°	26.1	26.6	27.1	27.6	28.1	28.1	30.1	32.6	36.1	36.1	37.6
87.5°	13.3	13.4	13.1	12.3	12.8	12.4	12.4	12.0	12.7	13.5	14.2
90°	22.2	21.0	19.3	17.6	15.9	14.2	12.2	9.9	7.5	5.2	2.8
92.5°	21.5	20.3	18.6	16.9	15.2	13.5	12.5	12.4	12.3	12.2	12.1
95°	22.2	21.0	20.8	20.5	20.4	20.2	23.7	30.9	38.1	45.3	52.5
97.5°	25.4	25.2	48.9	72.6	96.2	120.0	129.5	125.1	120.6	116.0	111.5
100°	38.5	42.0	71.4	100.6	129.9	159.2	171.9	168.1	164.3	160.4	156.7
102.5°	163.5	202.5	206.2	210.1	214.0	217.7	218.2	215.5	212.6	209.8	207.1
105°	299.8	297.9	296.9	295.9	294.7	293.7	292.6	291.2	290.0	288.7	287.5
107.5°	372.4	371.5	370.0	368.6	367.1	365.7	364.7	364.0	363.4	362.8	362.1
110°	421.6	421.1	419.9	418.6	417.4	416.0	415.1	414.4	413.8	413.2	412.6



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CATALOG NUMBER: S124RDIW-S795D1050U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	469.2	469.3	468.6	468.1	467.5	466.9	466.0	464.9	463.7	462.6	461.5
115°	539.0	538.6	538.9	539.0	539.2	539.4	539.2	538.6	538.0	537.3	536.7
117.5°	610.3	610.4	609.9	609.4	609.0	608.5	607.8	607.0	606.1	605.3	604.5
120°	653.7	653.2	653.4	653.7	653.8	654.0	653.7	652.9	652.1	651.2	650.4
122.5°	697.0	696.7	696.4	696.2	695.9	695.6	695.1	694.7	694.1	693.6	693.1
125°	757.0	756.3	756.8	757.1	757.6	758.0	757.8	757.0	756.1	755.3	754.4
127.5°	817.7	817.8	816.8	815.9	814.9	813.9	813.3	813.1	812.9	812.7	812.5
130°	853.9	853.8	853.1	852.4	851.9	851.2	850.7	850.6	850.4	850.2	849.9
132.5°	889.9	889.7	888.8	888.1	887.2	886.5	885.8	885.4	885.0	884.7	884.3
135°	939.1	938.8	937.9	937.1	936.2	935.4	935.0	935.2	935.5	935.7	935.9
137.5°	986.6	986.1	985.1	984.2	983.3	982.3	981.8	981.8	981.7	981.6	981.5
140°	1015.8	1015.1	1014.7	1014.3	1013.9	1013.4	1013.0	1012.6	1012.2	1011.7	1011.3
142.5°	1043.1	1042.6	1042.4	1042.1	1041.9	1041.6	1041.1	1040.4	1039.5	1038.8	1038.0
145°	1082.2	1081.9	1081.9	1081.9	1081.9	1081.9	1081.7	1081.0	1080.3	1079.8	1079.1
147.5°	1116.3	1116.2	1116.3	1116.6	1116.8	1117.0	1116.5	1115.3	1114.2	1113.0	1111.7
150°	1138.3	1138.3	1138.5	1138.8	1139.0	1139.2	1138.9	1138.0	1137.2	1136.3	1135.5
152.5°	1157.0	1156.7	1157.1	1157.4	1157.8	1158.2	1158.0	1157.3	1156.7	1156.0	1155.3
155°	1182.1	1181.3	1181.9	1182.6	1183.2	1183.8	1184.0	1183.8	1183.6	1183.5	1183.2
157.5°	1204.0	1202.9	1203.6	1204.3	1205.0	1205.8	1206.2	1206.3	1206.5	1206.5	1206.7
160°	1217.9	1216.6	1216.8	1217.0	1217.3	1217.5	1217.9	1218.5	1219.2	1219.8	1220.4
162.5°	1229.4	1228.0	1228.3	1228.5	1228.7	1228.9	1229.5	1230.2	1231.1	1231.9	1232.7
165°	1245.1	1243.4	1243.4	1243.4	1243.4	1243.4	1243.9	1244.9	1246.0	1247.1	1248.1
167.5°	1256.7	1254.8	1255.0	1255.1	1255.2	1255.4	1255.9	1257.1	1258.2	1259.2	1260.4
170°	1264.1	1262.4	1262.3	1262.1	1261.8	1261.6	1262.2	1263.4	1264.7	1265.9	1267.2
172.5°	1268.8	1267.1	1266.9	1266.6	1266.4	1266.2	1266.7	1268.0	1269.2	1270.5	1271.8
175°	1273.9	1272.1	1271.8	1271.6	1271.4	1271.2	1271.7	1273.0	1274.2	1275.5	1276.8
177.5°	1276.6	1275.3	1274.9	1274.6	1274.2	1273.9	1274.3	1275.5	1276.7	1277.9	1279.0
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



TEST NUMBER: P333063-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1251.8	1255.4	1259.4	1267.1	1273.5	1276.3	1281.9	1285.9	1284.7	1290.2	1300.0
5°	1256.7	1270.3	1285.8	1301.8	1319.8	1334.9	1346.9	1359.0	1368.5	1380.0	1397.0
7.5°	1255.9	1280.0	1306.2	1334.9	1364.5	1390.1	1413.7	1437.8	1459.2	1482.5	1513.1
10°	1252.7	1284.8	1317.4	1355.0	1392.5	1428.1	1460.2	1490.3	1518.9	1549.4	1588.1
12.5°	1249.1	1286.0	1325.4	1370.6	1417.4	1460.2	1497.9	1541.2	1577.1	1616.5	1661.0
15°	1233.1	1282.8	1336.4	1395.1	1451.2	1508.8	1560.5	1613.6	1663.2	1710.3	1766.5
17.5°	1214.9	1272.1	1335.4	1404.7	1472.2	1542.2	1603.5	1670.5	1721.2	1784.4	1836.5
20°	1200.0	1261.7	1329.4	1407.1	1483.8	1561.5	1629.2	1697.3	1754.4	1818.2	1884.3
22.5°	1182.0	1249.7	1323.0	1403.4	1483.8	1568.7	1643.6	1711.4	1782.2	1853.8	1922.0
25°	1152.9	1223.1	1300.8	1389.0	1481.3	1568.0	1648.2	1732.4	1808.6	1886.3	1947.5
27.5°	1117.3	1190.9	1272.8	1363.9	1458.5	1547.4	1641.8	1731.5	1808.2	1883.0	1936.4
30°	1088.7	1166.5	1245.2	1337.4	1435.7	1530.9	1632.2	1721.9	1802.6	1869.8	1899.9
32.5°	1059.5	1133.2	1214.3	1307.8	1408.3	1510.9	1611.3	1703.1	1777.7	1818.1	1818.8
35°	1008.6	1077.7	1162.0	1253.7	1357.0	1468.3	1570.0	1660.2	1705.8	1709.4	1660.2
37.5°	953.0	1016.5	1096.0	1187.8	1300.9	1411.6	1515.6	1575.7	1590.9	1539.9	1449.1
40°	913.3	971.9	1048.7	1142.9	1255.2	1369.5	1464.2	1508.4	1492.3	1409.6	1308.3
42.5°	871.7	926.2	1000.1	1093.2	1205.9	1321.4	1402.0	1425.8	1383.3	1287.7	1169.2
45°	803.5	853.7	926.9	1020.6	1128.9	1237.2	1298.4	1286.3	1215.6	1102.3	969.5
47.5°	732.6	781.1	847.0	933.7	1044.5	1138.0	1179.4	1143.1	1042.5	917.9	809.8
50°	685.8	735.4	796.1	878.7	980.0	1070.3	1096.8	1041.7	929.9	810.0	710.8
52.5°	639.6	682.0	741.5	821.4	918.2	994.5	1008.6	945.0	829.6	722.3	634.2
55°	569.5	608.0	658.2	733.4	817.1	881.7	874.2	792.5	687.8	596.1	526.9
57.5°	501.6	530.7	576.9	647.4	721.0	764.3	736.9	667.2	569.6	494.5	436.1
60°	456.7	483.7	526.9	588.5	653.2	677.7	654.7	579.0	501.8	433.1	384.0
62.5°	414.2	438.0	475.1	532.3	584.6	599.2	574.5	508.4	438.8	380.1	339.5
65°	352.4	374.5	406.0	446.7	482.8	489.7	473.7	406.0	353.4	304.3	276.2
67.5°	296.3	310.8	335.5	370.5	389.7	393.8	362.8	320.3	273.9	243.7	222.5
70°	258.6	268.7	291.7	310.8	326.3	326.9	298.2	264.2	228.6	204.1	188.5
72.5°	222.2	231.8	249.2	262.3	274.2	270.3	244.1	217.3	188.5	169.9	158.4
75°	171.4	179.9	189.0	195.0	195.0	190.0	171.0	150.9	134.3	123.3	119.8
77.5°	124.6	131.7	134.7	133.7	132.0	124.1	112.1	99.0	93.0	87.8	85.2
80°	97.7	100.8	101.8	99.2	96.2	87.2	79.2	73.7	68.1	66.2	65.1
82.5°	72.5	75.1	72.5	73.1	66.5	59.2	54.8	52.9	50.5	49.8	48.7
85°	38.6	38.1	37.1	34.6	30.1	29.0	28.6	28.1	27.1	27.6	26.6
87.5°	14.2	13.6	12.4	12.4	12.9	12.4	13.1	13.5	13.9	13.7	14.7
90°	5.2	7.5	9.9	12.2	14.2	15.9	17.6	19.3	21.0	22.2	23.6
92.5°	12.2	12.3	12.4	12.5	13.5	15.2	16.9	18.6	20.3	21.5	22.8
95°	45.3	38.1	30.9	23.7	20.2	20.4	20.5	20.8	21.0	22.2	23.6
97.5°	116.0	120.6	125.1	129.5	120.0	96.2	72.6	48.9	25.2	25.4	25.4
100°	160.4	164.3	168.1	171.9	159.2	129.9	100.6	71.4	42.0	38.5	34.8
102.5°	209.8	212.6	215.5	218.2	217.7	214.0	210.1	206.2	202.5	163.5	124.6
105°	288.7	290.0	291.2	292.6	293.7	294.7	295.9	296.9	297.9	299.8	301.8
107.5°	362.8	363.4	364.0	364.7	365.7	367.1	368.6	370.0	371.5	372.4	373.3
110°	413.2	413.8	414.4	415.1	416.0	417.4	418.6	419.9	421.1	421.6	422.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	462.6	463.7	464.9	466.0	466.9	467.5	468.1	468.6	469.3	469.2	469.1
115°	537.3	538.0	538.6	539.2	539.4	539.2	539.0	538.9	538.6	539.0	539.4
117.5°	605.3	606.1	607.0	607.8	608.5	609.0	609.4	609.9	610.4	610.3	610.2
120°	651.2	652.1	652.9	653.7	654.0	653.8	653.7	653.4	653.2	653.7	654.0
122.5°	693.6	694.1	694.7	695.1	695.6	695.9	696.2	696.4	696.7	697.0	697.3
125°	755.3	756.1	757.0	757.8	758.0	757.6	757.1	756.8	756.3	757.0	757.6
127.5°	812.7	812.9	813.1	813.3	813.9	814.9	815.9	816.8	817.8	817.7	817.6
130°	850.2	850.4	850.6	850.7	851.2	851.9	852.4	853.1	853.8	853.9	854.1
132.5°	884.7	885.0	885.4	885.8	886.5	887.2	888.1	888.8	889.7	889.9	890.0
135°	935.7	935.5	935.2	935.0	935.4	936.2	937.1	937.9	938.8	939.1	939.6
137.5°	981.6	981.7	981.8	981.8	982.3	983.3	984.2	985.1	986.1	986.6	987.0
140°	1011.7	1012.2	1012.6	1013.0	1013.4	1013.9	1014.3	1014.7	1015.1	1015.8	1016.4
142.5°	1038.8	1039.5	1040.4	1041.1	1041.6	1041.9	1042.1	1042.4	1042.6	1043.1	1043.6
145°	1079.8	1080.3	1081.0	1081.7	1081.9	1081.9	1081.9	1081.9	1081.9	1082.2	1082.4
147.5°	1113.0	1114.2	1115.3	1116.5	1117.0	1116.8	1116.6	1116.3	1116.2	1116.3	1116.5
150°	1136.3	1137.2	1138.0	1138.9	1139.2	1139.0	1138.8	1138.5	1138.3	1138.3	1138.3
152.5°	1156.0	1156.7	1157.3	1158.0	1158.2	1157.8	1157.4	1157.1	1156.7	1157.0	1157.3
155°	1183.5	1183.6	1183.8	1184.0	1183.8	1183.2	1182.6	1181.9	1181.3	1182.1	1183.0
157.5°	1206.5	1206.5	1206.3	1206.2	1205.8	1205.0	1204.3	1203.6	1202.9	1204.0	1205.0
160°	1219.8	1219.2	1218.5	1217.9	1217.5	1217.3	1217.0	1216.8	1216.6	1217.9	1219.2
162.5°	1231.9	1231.1	1230.2	1229.5	1228.9	1228.7	1228.5	1228.3	1228.0	1229.4	1230.6
165°	1247.1	1246.0	1244.9	1243.9	1243.4	1243.4	1243.4	1243.4	1243.4	1245.1	1246.8
167.5°	1259.2	1258.2	1257.1	1255.9	1255.4	1255.2	1255.1	1255.0	1254.8	1256.7	1258.6
170°	1265.9	1264.7	1263.4	1262.2	1261.6	1261.8	1262.1	1262.3	1262.4	1264.1	1265.8
172.5°	1270.5	1269.2	1268.0	1266.7	1266.2	1266.4	1266.6	1266.9	1267.1	1268.8	1270.5
175°	1275.5	1274.2	1273.0	1271.7	1271.2	1271.4	1271.6	1271.8	1272.1	1273.9	1275.8
177.5°	1277.9	1276.7	1275.5	1274.3	1273.9	1274.2	1274.6	1274.9	1275.3	1276.6	1278.0
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1305.1	1306.7	1308.0	1311.9	1312.3	1316.0	1312.3
5°	1413.1	1420.1	1431.2	1442.2	1443.2	1450.2	1437.7
7.5°	1534.2	1550.5	1560.6	1578.4	1585.5	1589.9	1582.6
10°	1617.6	1632.7	1659.3	1672.3	1685.3	1687.3	1681.3
12.5°	1698.3	1722.1	1743.0	1767.7	1767.1	1784.8	1778.3
15°	1805.6	1830.1	1859.3	1886.8	1896.9	1896.9	1904.9
17.5°	1882.2	1927.2	1957.3	1979.0	2002.6	2006.7	2003.9
20°	1933.9	1982.5	2014.7	2042.7	2058.8	2063.2	2063.2
22.5°	1972.5	2013.8	2045.1	2070.4	2083.6	2089.0	2087.4
25°	1999.1	2034.7	2053.7	2061.2	2064.7	2063.8	2054.3
27.5°	1962.6	1961.0	1949.0	1925.9	1908.6	1898.0	1886.0
30°	1892.8	1866.8	1836.7	1803.6	1761.0	1728.4	1718.3
32.5°	1788.9	1730.4	1679.5	1624.4	1578.6	1546.0	1532.3
35°	1588.1	1495.3	1419.7	1353.5	1305.3	1275.3	1265.3
37.5°	1349.6	1259.9	1166.2	1102.0	1062.2	1031.7	1020.4
40°	1198.1	1100.3	1018.6	958.5	917.4	887.8	887.3
42.5°	1059.7	966.4	889.5	846.1	801.8	782.3	782.2
45°	867.7	793.1	727.8	693.8	667.2	651.2	646.7
47.5°	718.4	656.7	613.2	586.1	564.4	554.2	547.6
50°	634.6	580.5	545.9	522.4	510.3	497.3	496.2
52.5°	564.9	521.1	494.2	475.0	459.8	451.9	452.1
55°	474.7	440.2	421.0	406.5	394.5	388.5	386.0
57.5°	399.9	374.0	360.1	346.8	341.7	337.0	335.6
60°	353.4	335.8	322.8	312.3	304.8	303.3	302.7
62.5°	314.9	296.5	287.6	279.4	273.9	271.5	270.7
65°	259.7	246.1	238.1	231.6	229.6	226.1	225.6
67.5°	209.3	201.2	195.9	191.4	188.7	188.5	188.5
70°	178.4	173.9	169.5	166.9	165.4	164.4	164.4
72.5°	152.0	148.6	145.0	143.6	143.4	142.3	141.9
75°	115.8	112.3	112.8	110.3	108.3	105.8	104.2
77.5°	82.1	79.6	79.1	78.8	77.1	76.8	77.6
80°	63.6	61.2	60.7	61.2	60.7	59.2	59.2
82.5°	48.4	46.3	45.8	45.5	45.1	45.5	44.7
85°	26.1	25.1	25.1	25.1	26.1	25.5	25.1
87.5°	14.2	14.0	14.6	14.3	14.4	14.0	14.5
90°	24.8	26.1	27.0	27.3	27.8	28.2	28.7
92.5°	24.0	25.4	26.0	26.1	26.2	26.3	26.4
95°	24.8	26.1	26.9	27.1	27.2	27.5	27.7
97.5°	25.6	25.7	25.9	26.1	26.3	26.5	26.8
100°	31.2	27.6	25.9	26.1	26.3	26.5	26.8
102.5°	85.7	46.8	27.3	27.3	27.4	27.4	27.5
105°	303.7	305.6	302.7	295.1	287.5	279.8	272.2
107.5°	374.3	375.2	376.1	376.9	377.7	378.5	379.3
110°	422.4	422.8	423.4	424.0	424.6	425.3	425.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	469.0	468.9	469.3	470.1	470.9	471.7	472.5
115°	539.9	540.3	540.5	540.5	540.5	540.5	540.5
117.5°	610.2	610.1	610.0	609.9	609.8	609.7	609.6
120°	654.5	654.9	654.9	654.5	654.0	653.7	653.2
122.5°	697.5	697.8	697.7	697.3	696.8	696.4	696.0
125°	758.3	758.8	759.3	759.5	759.7	760.0	760.2
127.5°	817.5	817.3	817.2	817.0	816.8	816.6	816.5
130°	854.4	854.6	854.7	854.7	854.7	854.7	854.7
132.5°	890.3	890.5	890.5	890.3	890.1	890.0	889.9
135°	940.0	940.5	940.8	941.3	941.7	942.2	942.5
137.5°	987.5	988.0	988.2	988.0	987.9	987.8	987.6
140°	1017.0	1017.7	1018.1	1018.3	1018.5	1018.7	1019.0
142.5°	1044.1	1044.5	1044.7	1044.8	1044.8	1044.9	1044.9
145°	1082.6	1082.8	1083.2	1083.5	1084.0	1084.4	1084.9
147.5°	1116.6	1116.8	1117.0	1117.3	1117.5	1117.7	1117.9
150°	1138.3	1138.3	1138.4	1138.6	1138.9	1139.1	1139.3
152.5°	1157.6	1158.0	1158.1	1158.0	1157.8	1157.7	1157.6
155°	1183.8	1184.7	1184.8	1184.1	1183.6	1182.9	1182.2
157.5°	1206.2	1207.3	1207.3	1206.2	1205.0	1204.0	1202.9
160°	1220.4	1221.7	1221.7	1220.4	1219.2	1217.9	1216.6
162.5°	1231.9	1233.1	1233.1	1231.6	1230.2	1228.8	1227.3
165°	1248.5	1250.2	1250.0	1248.1	1246.2	1244.3	1242.4
167.5°	1260.5	1262.3	1262.2	1260.1	1257.9	1255.8	1253.7
170°	1267.5	1269.2	1269.0	1266.9	1264.8	1262.6	1260.6
172.5°	1272.1	1273.8	1273.6	1271.2	1268.9	1266.7	1264.3
175°	1277.7	1279.7	1279.3	1276.8	1274.2	1271.7	1269.1
177.5°	1279.3	1280.7	1280.3	1278.3	1276.3	1274.2	1272.2
180°	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8	1276.8

(END OF REPORT)