

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: P332787

Luminaire Tested: **S124DIW-S795D1050U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332787
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: S124DIW-S795D1050U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7736.4 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

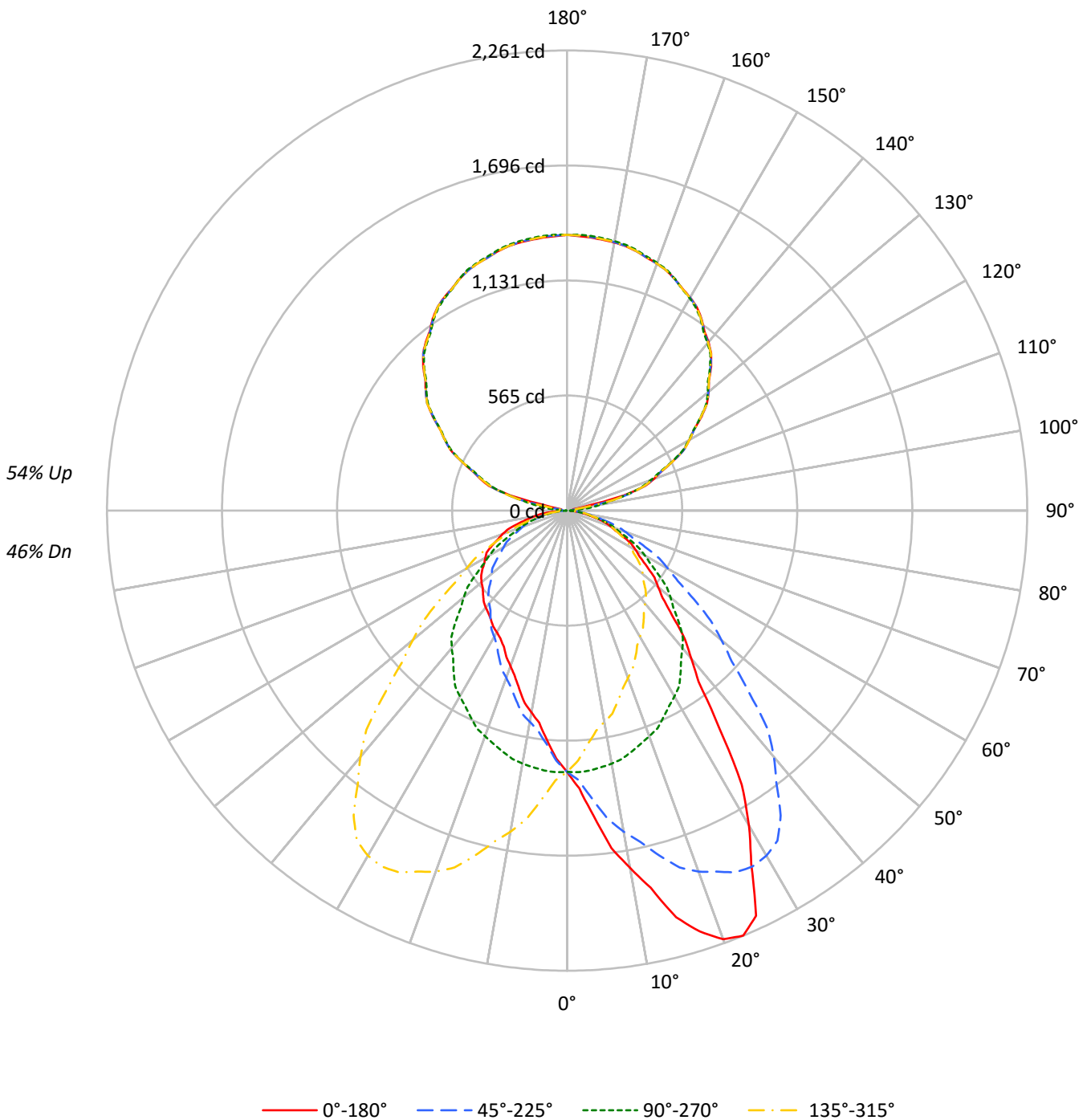
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.6
10°-20°	385.5	5.0
20°-30°	611.3	7.9
30°-40°	680.3	8.8
40°-50°	619.3	8.0
50°-60°	506.1	6.5
60°-70°	361.3	4.7
70°-80°	198.9	2.6
80°-90°	58.2	0.8
90°-100°	46.3	0.6
100°-110°	295.4	3.8
110°-120°	565.1	7.3
120°-130°	717.4	9.3
130°-140°	767.5	9.9
140°-150°	717.7	9.3
150°-160°	578.8	7.5
160°-170°	373.3	4.8
170°-180°	128.7	1.7
0°-30°	1121.9	14.5
0°-40°	1802.3	23.3
0°-60°	2927.7	37.8
0°-90°	3546.1	45.8
90°-120°	906.8	11.7
90°-150°	3109.5	40.2
90°-180°	4190.0	54.2
0°-180°	7736.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	40
90°	30	3	30	3	30	14
95°	29	56	29	56	29	23
105°	289	305	289	305	289	252
115°	574	569	574	569	574	568
125°	806	800	806	800	806	718
135°	1000	993	1000	993	1000	770
145°	1151	1145	1151	1145	1151	719
155°	1254	1255	1254	1255	1254	578
165°	1318	1324	1318	1324	1318	372
175°	1346	1355	1346	1355	1346	128
180°	1355	1355	1355	1355	1355	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	15.4	16.6	16.5	16.9	17.6	17.9	18.0	17.3	18.8	18.9	20.3
90°	30.4	29.9	29.5	29.0	28.6	27.7	26.3	25.0	23.6	22.3	20.5
92.5°	28.0	27.9	27.8	27.7	27.6	26.9	25.5	24.2	22.8	21.5	19.7
95°	29.4	29.2	28.9	28.7	28.5	27.7	26.3	25.0	23.6	22.3	22.1
97.5°	28.4	28.1	27.9	27.7	27.5	27.3	27.2	27.0	26.9	26.7	51.9
100°	28.4	28.1	27.9	27.7	27.5	29.3	33.1	36.9	40.8	44.6	75.7
102.5°	29.2	29.1	29.1	29.0	29.0	49.6	90.9	132.2	173.5	214.8	218.8
105°	288.8	296.9	305.0	313.1	321.2	324.2	322.2	320.2	318.1	316.1	315.0
107.5°	402.4	401.6	400.7	399.9	399.0	398.1	397.1	396.1	395.1	394.1	392.6
110°	451.9	451.2	450.5	449.9	449.2	448.6	448.2	447.7	447.3	446.8	445.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	501.3	500.5	499.6	498.8	497.9	497.5	497.6	497.7	497.8	497.9	497.2
115°	573.5	573.5	573.5	573.5	573.5	573.2	572.8	572.3	571.9	571.4	571.7
117.5°	646.8	646.9	647.0	647.1	647.2	647.3	647.4	647.4	647.5	647.6	647.1
120°	693.0	693.5	693.9	694.4	694.8	694.8	694.4	693.9	693.5	693.0	693.2
122.5°	738.4	738.9	739.3	739.8	740.2	740.3	740.0	739.8	739.5	739.2	738.9
125°	806.5	806.3	806.0	805.8	805.6	805.1	804.5	803.8	803.1	802.4	802.9
127.5°	866.3	866.4	866.6	866.8	867.0	867.1	867.3	867.4	867.6	867.7	866.6
130°	906.8	906.8	906.8	906.8	906.8	906.7	906.5	906.2	906.0	905.8	905.1
132.5°	944.1	944.3	944.4	944.6	944.8	944.8	944.6	944.3	944.1	943.9	943.0
135°	1000.0	999.6	999.1	998.7	998.2	997.8	997.3	996.9	996.4	996.0	995.1
137.5°	1047.8	1048.0	1048.1	1048.2	1048.4	1048.2	1047.7	1047.2	1046.7	1046.2	1045.2
140°	1081.1	1080.8	1080.6	1080.4	1080.2	1079.7	1079.0	1078.4	1077.7	1077.0	1076.6
142.5°	1108.6	1108.6	1108.5	1108.5	1108.4	1108.2	1107.7	1107.2	1106.7	1106.2	1105.9
145°	1151.0	1150.5	1150.1	1149.6	1149.2	1148.8	1148.6	1148.4	1148.2	1147.9	1147.9
147.5°	1186.0	1185.8	1185.6	1185.4	1185.1	1184.9	1184.7	1184.6	1184.4	1184.2	1184.4
150°	1208.7	1208.5	1208.3	1208.0	1207.8	1207.7	1207.7	1207.7	1207.7	1207.7	1207.9
152.5°	1228.2	1228.3	1228.4	1228.6	1228.7	1228.6	1228.2	1227.9	1227.5	1227.2	1227.6
155°	1254.3	1255.0	1255.7	1256.3	1257.0	1256.9	1256.0	1255.1	1254.2	1253.3	1254.0
157.5°	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9	1279.7	1278.5	1277.4	1276.2	1277.0
160°	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2	1294.8	1293.5	1292.1	1290.8	1291.0
162.5°	1302.1	1303.7	1305.2	1306.7	1308.3	1308.3	1307.0	1305.6	1304.3	1302.9	1303.2
165°	1318.1	1320.2	1322.2	1324.2	1326.2	1326.4	1324.6	1322.8	1321.0	1319.2	1319.2
167.5°	1330.1	1332.4	1334.6	1336.9	1339.1	1339.2	1337.3	1335.3	1333.3	1331.3	1331.5
170°	1337.4	1339.6	1341.9	1344.1	1346.4	1346.6	1344.8	1343.0	1341.2	1339.4	1339.2
172.5°	1341.4	1343.9	1346.3	1348.7	1351.2	1351.5	1349.7	1347.9	1346.1	1344.3	1344.1
175°	1346.5	1349.2	1351.9	1354.6	1357.3	1357.7	1355.6	1353.6	1351.6	1349.6	1349.3
177.5°	1349.8	1351.9	1354.1	1356.2	1358.4	1358.8	1357.3	1355.9	1354.4	1353.0	1352.6
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	19.9	20.0	19.2	17.1	15.3	13.5	12.6	11.7	12.6	13.5	14.4
90°	18.7	16.9	15.1	12.9	10.5	8.0	5.5	3.0	5.5	8.0	10.5
92.5°	17.9	16.1	14.3	13.3	13.2	13.0	12.9	12.8	12.9	13.0	13.2
95°	21.8	21.6	21.4	25.1	32.8	40.4	48.1	55.7	48.1	40.4	32.8
97.5°	77.0	102.1	127.3	137.4	132.7	127.9	123.1	118.3	123.1	127.9	132.7
100°	106.7	137.8	168.9	182.4	178.3	174.3	170.2	166.2	170.2	174.3	178.3
102.5°	222.9	227.0	231.0	231.5	228.6	225.6	222.6	219.7	222.6	225.6	228.6
105°	313.9	312.7	311.6	310.4	309.0	307.7	306.3	305.0	306.3	307.7	309.0
107.5°	391.1	389.5	388.0	386.9	386.2	385.5	384.9	384.2	384.9	385.5	386.2
110°	444.1	442.8	441.4	440.4	439.7	439.0	438.4	437.7	438.4	439.0	439.7



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	496.6	496.0	495.4	494.4	493.2	492.0	490.8	489.6	490.8	492.0	493.2
115°	571.9	572.1	572.3	572.1	571.4	570.8	570.1	569.4	570.1	570.8	571.4
117.5°	646.6	646.1	645.6	644.9	644.0	643.1	642.2	641.3	642.2	643.1	644.0
120°	693.5	693.7	693.9	693.6	692.7	691.8	690.9	690.0	690.9	691.8	692.7
122.5°	738.6	738.3	738.0	737.5	737.0	736.4	735.9	735.4	735.9	736.4	737.0
125°	803.3	803.8	804.2	804.0	803.1	802.2	801.3	800.4	801.3	802.2	803.1
127.5°	865.6	864.6	863.5	862.9	862.7	862.5	862.2	862.0	862.2	862.5	862.7
130°	904.4	903.8	903.1	902.6	902.4	902.2	902.0	901.7	902.0	902.2	902.4
132.5°	942.2	941.3	940.5	939.8	939.4	939.0	938.6	938.2	938.6	939.0	939.4
135°	994.2	993.3	992.4	992.0	992.2	992.5	992.7	992.9	992.7	992.5	992.2
137.5°	1044.2	1043.2	1042.2	1041.7	1041.6	1041.5	1041.4	1041.3	1041.4	1041.5	1041.6
140°	1076.1	1075.7	1075.2	1074.8	1074.3	1073.9	1073.4	1073.0	1073.4	1073.9	1074.3
142.5°	1105.6	1105.4	1105.1	1104.6	1103.8	1102.9	1102.1	1101.3	1102.1	1102.9	1103.8
145°	1147.9	1147.9	1147.9	1147.6	1146.9	1146.2	1145.6	1144.9	1145.6	1146.2	1146.9
147.5°	1184.7	1184.9	1185.1	1184.6	1183.3	1182.1	1180.8	1179.5	1180.8	1182.1	1183.3
150°	1208.2	1208.4	1208.6	1208.3	1207.4	1206.5	1205.6	1204.7	1205.6	1206.5	1207.4
152.5°	1228.0	1228.4	1228.8	1228.6	1227.9	1227.2	1226.5	1225.7	1226.5	1227.2	1227.9
155°	1254.7	1255.3	1256.0	1256.2	1256.0	1255.8	1255.6	1255.3	1255.6	1255.8	1256.0
157.5°	1277.7	1278.5	1279.3	1279.7	1279.8	1280.0	1280.1	1280.3	1280.1	1280.0	1279.8
160°	1291.2	1291.5	1291.7	1292.1	1292.8	1293.5	1294.2	1294.8	1294.2	1293.5	1292.8
162.5°	1303.4	1303.6	1303.8	1304.4	1305.2	1306.1	1307.0	1307.8	1307.0	1306.1	1305.2
165°	1319.2	1319.2	1319.2	1319.7	1320.8	1322.0	1323.1	1324.2	1323.1	1322.0	1320.8
167.5°	1331.6	1331.7	1331.9	1332.5	1333.7	1334.9	1336.0	1337.2	1336.0	1334.9	1333.7
170°	1339.0	1338.7	1338.5	1339.1	1340.4	1341.8	1343.1	1344.5	1343.1	1341.8	1340.4
172.5°	1343.8	1343.6	1343.4	1343.9	1345.3	1346.6	1348.0	1349.3	1348.0	1346.6	1345.3
175°	1349.1	1348.9	1348.7	1349.2	1350.6	1351.9	1353.3	1354.6	1353.3	1351.9	1350.6
177.5°	1352.3	1351.9	1351.6	1352.0	1353.3	1354.5	1355.8	1357.0	1355.8	1354.5	1353.3
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	16.2	16.6	18.7	19.9	21.5	24.0	25.2	30.1	32.1	34.5	38.5
90°	12.9	15.1	16.9	18.7	20.5	22.3	23.6	25.0	26.3	27.7	28.6
92.5°	13.3	14.3	16.1	17.9	19.7	21.5	22.8	24.2	25.5	26.9	27.6
95°	25.1	21.4	21.6	21.8	22.1	22.3	23.6	25.0	26.3	27.7	28.5
97.5°	137.4	127.3	102.1	77.0	51.9	26.7	26.9	27.0	27.2	27.3	27.5
100°	182.4	168.9	137.8	106.7	75.7	44.6	40.8	36.9	33.1	29.3	27.5
102.5°	231.5	231.0	227.0	222.9	218.8	214.8	173.5	132.2	90.9	49.6	29.0
105°	310.4	311.6	312.7	313.9	315.0	316.1	318.1	320.2	322.2	324.2	321.2
107.5°	386.9	388.0	389.5	391.1	392.6	394.1	395.1	396.1	397.1	398.1	399.0
110°	440.4	441.4	442.8	444.1	445.5	446.8	447.3	447.7	448.2	448.6	449.2



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	494.4	495.4	496.0	496.6	497.2	497.9	497.8	497.7	497.6	497.5	497.9
115°	572.1	572.3	572.1	571.9	571.7	571.4	571.9	572.3	572.8	573.2	573.5
117.5°	644.9	645.6	646.1	646.6	647.1	647.6	647.5	647.4	647.4	647.3	647.2
120°	693.6	693.9	693.7	693.5	693.2	693.0	693.5	693.9	694.4	694.8	694.8
122.5°	737.5	738.0	738.3	738.6	738.9	739.2	739.5	739.8	740.0	740.3	740.2
125°	804.0	804.2	803.8	803.3	802.9	802.4	803.1	803.8	804.5	805.1	805.6
127.5°	862.9	863.5	864.6	865.6	866.6	867.7	867.6	867.4	867.3	867.1	867.0
130°	902.6	903.1	903.8	904.4	905.1	905.8	906.0	906.2	906.5	906.7	906.8
132.5°	939.8	940.5	941.3	942.2	943.0	943.9	944.1	944.3	944.6	944.8	944.8
135°	992.0	992.4	993.3	994.2	995.1	996.0	996.4	996.9	997.3	997.8	998.2
137.5°	1041.7	1042.2	1043.2	1044.2	1045.2	1046.2	1046.7	1047.2	1047.7	1048.2	1048.4
140°	1074.8	1075.2	1075.7	1076.1	1076.6	1077.0	1077.7	1078.4	1079.0	1079.7	1080.2
142.5°	1104.6	1105.1	1105.4	1105.6	1105.9	1106.2	1106.7	1107.2	1107.7	1108.2	1108.4
145°	1147.6	1147.9	1147.9	1147.9	1147.9	1147.9	1148.2	1148.4	1148.6	1148.8	1149.2
147.5°	1184.6	1185.1	1184.9	1184.7	1184.4	1184.2	1184.4	1184.6	1184.7	1184.9	1185.1
150°	1208.3	1208.6	1208.4	1208.2	1207.9	1207.7	1207.7	1207.7	1207.7	1207.7	1207.8
152.5°	1228.6	1228.8	1228.4	1228.0	1227.6	1227.2	1227.5	1227.9	1228.2	1228.6	1228.7
155°	1256.2	1256.0	1255.3	1254.7	1254.0	1253.3	1254.2	1255.1	1256.0	1256.9	1257.0
157.5°	1279.7	1279.3	1278.5	1277.7	1277.0	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9
160°	1292.1	1291.7	1291.5	1291.2	1291.0	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2
162.5°	1304.4	1303.8	1303.6	1303.4	1303.2	1302.9	1304.3	1305.6	1307.0	1308.3	1308.3
165°	1319.7	1319.2	1319.2	1319.2	1319.2	1319.2	1321.0	1322.8	1324.6	1326.4	1326.2
167.5°	1332.5	1331.9	1331.7	1331.6	1331.5	1331.3	1333.3	1335.3	1337.3	1339.2	1339.1
170°	1339.1	1338.5	1338.7	1339.0	1339.2	1339.4	1341.2	1343.0	1344.8	1346.6	1346.4
172.5°	1343.9	1343.4	1343.6	1343.8	1344.1	1344.3	1346.1	1347.9	1349.7	1351.5	1351.2
175°	1349.2	1348.7	1348.9	1349.1	1349.3	1349.6	1351.6	1353.6	1355.6	1357.7	1357.3
177.5°	1352.0	1351.6	1351.9	1352.3	1352.6	1353.0	1354.4	1355.9	1357.3	1358.8	1358.4
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332787

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	39.8	40.4	41.7	42.7	41.7	40.4	39.8	38.5	34.5	32.1	30.1
90°	29.0	29.5	29.9	30.4	29.9	29.5	29.0	28.6	27.7	26.3	25.0
92.5°	27.7	27.8	27.9	28.0	27.9	27.8	27.7	27.6	26.9	25.5	24.2
95°	28.7	28.9	29.2	29.4	29.2	28.9	28.7	28.5	27.7	26.3	25.0
97.5°	27.7	27.9	28.1	28.4	28.1	27.9	27.7	27.5	27.3	27.2	27.0
100°	27.7	27.9	28.1	28.4	28.1	27.9	27.7	27.5	29.3	33.1	36.9
102.5°	29.0	29.1	29.1	29.2	29.1	29.1	29.0	29.0	49.6	90.9	132.2
105°	313.1	305.0	296.9	288.8	296.9	305.0	313.1	321.2	324.2	322.2	320.2
107.5°	399.9	400.7	401.6	402.4	401.6	400.7	399.9	399.0	398.1	397.1	396.1
110°	449.9	450.5	451.2	451.9	451.2	450.5	449.9	449.2	448.6	448.2	447.7



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	498.8	499.6	500.5	501.3	500.5	499.6	498.8	497.9	497.5	497.6	497.7
115°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.2	572.8	572.3
117.5°	647.1	647.0	646.9	646.8	646.9	647.0	647.1	647.2	647.3	647.4	647.4
120°	694.4	693.9	693.5	693.0	693.5	693.9	694.4	694.8	694.8	694.4	693.9
122.5°	739.8	739.3	738.9	738.4	738.9	739.3	739.8	740.2	740.3	740.0	739.8
125°	805.8	806.0	806.3	806.5	806.3	806.0	805.8	805.6	805.1	804.5	803.8
127.5°	866.8	866.6	866.4	866.3	866.4	866.6	866.8	867.0	867.1	867.3	867.4
130°	906.8	906.8	906.8	906.8	906.8	906.8	906.8	906.8	906.7	906.5	906.2
132.5°	944.6	944.4	944.3	944.1	944.3	944.4	944.6	944.8	944.8	944.6	944.3
135°	998.7	999.1	999.6	1000.0	999.6	999.1	998.7	998.2	997.8	997.3	996.9
137.5°	1048.2	1048.1	1048.0	1047.8	1048.0	1048.1	1048.2	1048.4	1048.2	1047.7	1047.2
140°	1080.4	1080.6	1080.8	1081.1	1080.8	1080.6	1080.4	1080.2	1079.7	1079.0	1078.4
142.5°	1108.5	1108.5	1108.6	1108.6	1108.6	1108.5	1108.5	1108.4	1108.2	1107.7	1107.2
145°	1149.6	1150.1	1150.5	1151.0	1150.5	1150.1	1149.6	1149.2	1148.8	1148.6	1148.4
147.5°	1185.4	1185.6	1185.8	1186.0	1185.8	1185.6	1185.4	1185.1	1184.9	1184.7	1184.6
150°	1208.0	1208.3	1208.5	1208.7	1208.5	1208.3	1208.0	1207.8	1207.7	1207.7	1207.7
152.5°	1228.6	1228.4	1228.3	1228.2	1228.3	1228.4	1228.6	1228.7	1228.6	1228.2	1227.9
155°	1256.3	1255.7	1255.0	1254.3	1255.0	1255.7	1256.3	1257.0	1256.9	1256.0	1255.1
157.5°	1279.7	1278.5	1277.4	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9	1279.7	1278.5
160°	1294.8	1293.5	1292.1	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2	1294.8	1293.5
162.5°	1306.7	1305.2	1303.7	1302.1	1303.7	1305.2	1306.7	1308.3	1308.3	1307.0	1305.6
165°	1324.2	1322.2	1320.2	1318.1	1320.2	1322.2	1324.2	1326.2	1326.4	1324.6	1322.8
167.5°	1336.9	1334.6	1332.4	1330.1	1332.4	1334.6	1336.9	1339.1	1339.2	1337.3	1335.3
170°	1344.1	1341.9	1339.6	1337.4	1339.6	1341.9	1344.1	1346.4	1346.6	1344.8	1343.0
172.5°	1348.7	1346.3	1343.9	1341.4	1343.9	1346.3	1348.7	1351.2	1351.5	1349.7	1347.9
175°	1354.6	1351.9	1349.2	1346.5	1349.2	1351.9	1354.6	1357.3	1357.7	1355.6	1353.6
177.5°	1356.2	1354.1	1351.9	1349.8	1351.9	1354.1	1356.2	1358.4	1358.8	1357.3	1355.9
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	25.2	24.0	21.5	19.9	18.7	16.6	16.2	14.4	13.5	12.6	11.7
90°	23.6	22.3	20.5	18.7	16.9	15.1	12.9	10.5	8.0	5.5	3.0
92.5°	22.8	21.5	19.7	17.9	16.1	14.3	13.3	13.2	13.0	12.9	12.8
95°	23.6	22.3	22.1	21.8	21.6	21.4	25.1	32.8	40.4	48.1	55.7
97.5°	26.9	26.7	51.9	77.0	102.1	127.3	137.4	132.7	127.9	123.1	118.3
100°	40.8	44.6	75.7	106.7	137.8	168.9	182.4	178.3	174.3	170.2	166.2
102.5°	173.5	214.8	218.8	222.9	227.0	231.0	231.5	228.6	225.6	222.6	219.7
105°	318.1	316.1	315.0	313.9	312.7	311.6	310.4	309.0	307.7	306.3	305.0
107.5°	395.1	394.1	392.6	391.1	389.5	388.0	386.9	386.2	385.5	384.9	384.2
110°	447.3	446.8	445.5	444.1	442.8	441.4	440.4	439.7	439.0	438.4	437.7



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	497.8	497.9	497.2	496.6	496.0	495.4	494.4	493.2	492.0	490.8	489.6
115°	571.9	571.4	571.7	571.9	572.1	572.3	572.1	571.4	570.8	570.1	569.4
117.5°	647.5	647.6	647.1	646.6	646.1	645.6	644.9	644.0	643.1	642.2	641.3
120°	693.5	693.0	693.2	693.5	693.7	693.9	693.6	692.7	691.8	690.9	690.0
122.5°	739.5	739.2	738.9	738.6	738.3	738.0	737.5	737.0	736.4	735.9	735.4
125°	803.1	802.4	802.9	803.3	803.8	804.2	804.0	803.1	802.2	801.3	800.4
127.5°	867.6	867.7	866.6	865.6	864.6	863.5	862.9	862.7	862.5	862.2	862.0
130°	906.0	905.8	905.1	904.4	903.8	903.1	902.6	902.4	902.2	902.0	901.7
132.5°	944.1	943.9	943.0	942.2	941.3	940.5	939.8	939.4	939.0	938.6	938.2
135°	996.4	996.0	995.1	994.2	993.3	992.4	992.0	992.2	992.5	992.7	992.9
137.5°	1046.7	1046.2	1045.2	1044.2	1043.2	1042.2	1041.7	1041.6	1041.5	1041.4	1041.3
140°	1077.7	1077.0	1076.6	1076.1	1075.7	1075.2	1074.8	1074.3	1073.9	1073.4	1073.0
142.5°	1106.7	1106.2	1105.9	1105.6	1105.4	1105.1	1104.6	1103.8	1102.9	1102.1	1101.3
145°	1148.2	1147.9	1147.9	1147.9	1147.9	1147.9	1147.6	1146.9	1146.2	1145.6	1144.9
147.5°	1184.4	1184.2	1184.4	1184.7	1184.9	1185.1	1184.6	1183.3	1182.1	1180.8	1179.5
150°	1207.7	1207.7	1207.9	1208.2	1208.4	1208.6	1208.3	1207.4	1206.5	1205.6	1204.7
152.5°	1227.5	1227.2	1227.6	1228.0	1228.4	1228.8	1228.6	1227.9	1227.2	1226.5	1225.7
155°	1254.2	1253.3	1254.0	1254.7	1255.3	1256.0	1256.2	1256.0	1255.8	1255.6	1255.3
157.5°	1277.4	1276.2	1277.0	1277.7	1278.5	1279.3	1279.7	1279.8	1280.0	1280.1	1280.3
160°	1292.1	1290.8	1291.0	1291.2	1291.5	1291.7	1292.1	1292.8	1293.5	1294.2	1294.8
162.5°	1304.3	1302.9	1303.2	1303.4	1303.6	1303.8	1304.4	1305.2	1306.1	1307.0	1307.8
165°	1321.0	1319.2	1319.2	1319.2	1319.2	1319.2	1319.7	1320.8	1322.0	1323.1	1324.2
167.5°	1333.3	1331.3	1331.5	1331.6	1331.7	1331.9	1332.5	1333.7	1334.9	1336.0	1337.2
170°	1341.2	1339.4	1339.2	1339.0	1338.7	1338.5	1339.1	1340.4	1341.8	1343.1	1344.5
172.5°	1346.1	1344.3	1344.1	1343.8	1343.6	1343.4	1343.9	1345.3	1346.6	1348.0	1349.3
175°	1351.6	1349.6	1349.3	1349.1	1348.9	1348.7	1349.2	1350.6	1351.9	1353.3	1354.6
177.5°	1354.4	1353.0	1352.6	1352.3	1351.9	1351.6	1352.0	1353.3	1354.5	1355.8	1357.0
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332787

CATALOG NUMBER: S124DIW-S795D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.6	13.5	15.3	17.1	19.2	20.0	19.9	20.3	18.9	18.8	17.3
90°	5.5	8.0	10.5	12.9	15.1	16.9	18.7	20.5	22.3	23.6	25.0
92.5°	12.9	13.0	13.2	13.3	14.3	16.1	17.9	19.7	21.5	22.8	24.2
95°	48.1	40.4	32.8	25.1	21.4	21.6	21.8	22.1	22.3	23.6	25.0
97.5°	123.1	127.9	132.7	137.4	127.3	102.1	77.0	51.9	26.7	26.9	27.0
100°	170.2	174.3	178.3	182.4	168.9	137.8	106.7	75.7	44.6	40.8	36.9
102.5°	222.6	225.6	228.6	231.5	231.0	227.0	222.9	218.8	214.8	173.5	132.2
105°	306.3	307.7	309.0	310.4	311.6	312.7	313.9	315.0	316.1	318.1	320.2
107.5°	384.9	385.5	386.2	386.9	388.0	389.5	391.1	392.6	394.1	395.1	396.1
110°	438.4	439.0	439.7	440.4	441.4	442.8	444.1	445.5	446.8	447.3	447.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	490.8	492.0	493.2	494.4	495.4	496.0	496.6	497.2	497.9	497.8	497.7
115°	570.1	570.8	571.4	572.1	572.3	572.1	571.9	571.7	571.4	571.9	572.3
117.5°	642.2	643.1	644.0	644.9	645.6	646.1	646.6	647.1	647.6	647.5	647.4
120°	690.9	691.8	692.7	693.6	693.9	693.7	693.5	693.2	693.0	693.5	693.9
122.5°	735.9	736.4	737.0	737.5	738.0	738.3	738.6	738.9	739.2	739.5	739.8
125°	801.3	802.2	803.1	804.0	804.2	803.8	803.3	802.9	802.4	803.1	803.8
127.5°	862.2	862.5	862.7	862.9	863.5	864.6	865.6	866.6	867.7	867.6	867.4
130°	902.0	902.2	902.4	902.6	903.1	903.8	904.4	905.1	905.8	906.0	906.2
132.5°	938.6	939.0	939.4	939.8	940.5	941.3	942.2	943.0	943.9	944.1	944.3
135°	992.7	992.5	992.2	992.0	992.4	993.3	994.2	995.1	996.0	996.4	996.9
137.5°	1041.4	1041.5	1041.6	1041.7	1042.2	1043.2	1044.2	1045.2	1046.2	1046.7	1047.2
140°	1073.4	1073.9	1074.3	1074.8	1075.2	1075.7	1076.1	1076.6	1077.0	1077.7	1078.4
142.5°	1102.1	1102.9	1103.8	1104.6	1105.1	1105.4	1105.6	1105.9	1106.2	1106.7	1107.2
145°	1145.6	1146.2	1146.9	1147.6	1147.9	1147.9	1147.9	1147.9	1147.9	1148.2	1148.4
147.5°	1180.8	1182.1	1183.3	1184.6	1185.1	1184.9	1184.7	1184.4	1184.2	1184.4	1184.6
150°	1205.6	1206.5	1207.4	1208.3	1208.6	1208.4	1208.2	1207.9	1207.7	1207.7	1207.7
152.5°	1226.5	1227.2	1227.9	1228.6	1228.8	1228.4	1228.0	1227.6	1227.2	1227.5	1227.9
155°	1255.6	1255.8	1256.0	1256.2	1256.0	1255.3	1254.7	1254.0	1253.3	1254.2	1255.1
157.5°	1280.1	1280.0	1279.8	1279.7	1279.3	1278.5	1277.7	1277.0	1276.2	1277.4	1278.5
160°	1294.2	1293.5	1292.8	1292.1	1291.7	1291.5	1291.2	1291.0	1290.8	1292.1	1293.5
162.5°	1307.0	1306.1	1305.2	1304.4	1303.8	1303.6	1303.4	1303.2	1302.9	1304.3	1305.6
165°	1323.1	1322.0	1320.8	1319.7	1319.2	1319.2	1319.2	1319.2	1319.2	1321.0	1322.8
167.5°	1336.0	1334.9	1333.7	1332.5	1331.9	1331.7	1331.6	1331.5	1331.3	1333.3	1335.3
170°	1343.1	1341.8	1340.4	1339.1	1338.5	1338.7	1339.0	1339.2	1339.4	1341.2	1343.0
172.5°	1348.0	1346.6	1345.3	1343.9	1343.4	1343.6	1343.8	1344.1	1344.3	1346.1	1347.9
175°	1353.3	1351.9	1350.6	1349.2	1348.7	1348.9	1349.1	1349.3	1349.6	1351.6	1353.6
177.5°	1355.8	1354.5	1353.3	1352.0	1351.6	1351.9	1352.3	1352.6	1353.0	1354.4	1355.9
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	18.0	17.9	17.6	16.9	16.5	16.6	15.4
90°	26.3	27.7	28.6	29.0	29.5	29.9	30.4
92.5°	25.5	26.9	27.6	27.7	27.8	27.9	28.0
95°	26.3	27.7	28.5	28.7	28.9	29.2	29.4
97.5°	27.2	27.3	27.5	27.7	27.9	28.1	28.4
100°	33.1	29.3	27.5	27.7	27.9	28.1	28.4
102.5°	90.9	49.6	29.0	29.0	29.1	29.1	29.2
105°	322.2	324.2	321.2	313.1	305.0	296.9	288.8
107.5°	397.1	398.1	399.0	399.9	400.7	401.6	402.4
110°	448.2	448.6	449.2	449.9	450.5	451.2	451.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	497.6	497.5	497.9	498.8	499.6	500.5	501.3
115°	572.8	573.2	573.5	573.5	573.5	573.5	573.5
117.5°	647.4	647.3	647.2	647.1	647.0	646.9	646.8
120°	694.4	694.8	694.8	694.4	693.9	693.5	693.0
122.5°	740.0	740.3	740.2	739.8	739.3	738.9	738.4
125°	804.5	805.1	805.6	805.8	806.0	806.3	806.5
127.5°	867.3	867.1	867.0	866.8	866.6	866.4	866.3
130°	906.5	906.7	906.8	906.8	906.8	906.8	906.8
132.5°	944.6	944.8	944.8	944.6	944.4	944.3	944.1
135°	997.3	997.8	998.2	998.7	999.1	999.6	1000.0
137.5°	1047.7	1048.2	1048.4	1048.2	1048.1	1048.0	1047.8
140°	1079.0	1079.7	1080.2	1080.4	1080.6	1080.8	1081.1
142.5°	1107.7	1108.2	1108.4	1108.5	1108.5	1108.6	1108.6
145°	1148.6	1148.8	1149.2	1149.6	1150.1	1150.5	1151.0
147.5°	1184.7	1184.9	1185.1	1185.4	1185.6	1185.8	1186.0
150°	1207.7	1207.7	1207.8	1208.0	1208.3	1208.5	1208.7
152.5°	1228.2	1228.6	1228.7	1228.6	1228.4	1228.3	1228.2
155°	1256.0	1256.9	1257.0	1256.3	1255.7	1255.0	1254.3
157.5°	1279.7	1280.9	1280.9	1279.7	1278.5	1277.4	1276.2
160°	1294.8	1296.2	1296.2	1294.8	1293.5	1292.1	1290.8
162.5°	1307.0	1308.3	1308.3	1306.7	1305.2	1303.7	1302.1
165°	1324.6	1326.4	1326.2	1324.2	1322.2	1320.2	1318.1
167.5°	1337.3	1339.2	1339.1	1336.9	1334.6	1332.4	1330.1
170°	1344.8	1346.6	1346.4	1344.1	1341.9	1339.6	1337.4
172.5°	1349.7	1351.5	1351.2	1348.7	1346.3	1343.9	1341.4
175°	1355.6	1357.7	1357.3	1354.6	1351.9	1349.2	1346.5
177.5°	1357.3	1358.8	1358.4	1356.2	1354.1	1351.9	1349.8
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6

(END OF REPORT)