

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: P332794-940

Luminaire Tested: **S124DIW-S795D1340U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332794-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D1340U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7311.6 lumens
Efficiency: N/A
Efficacy: 119.1 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

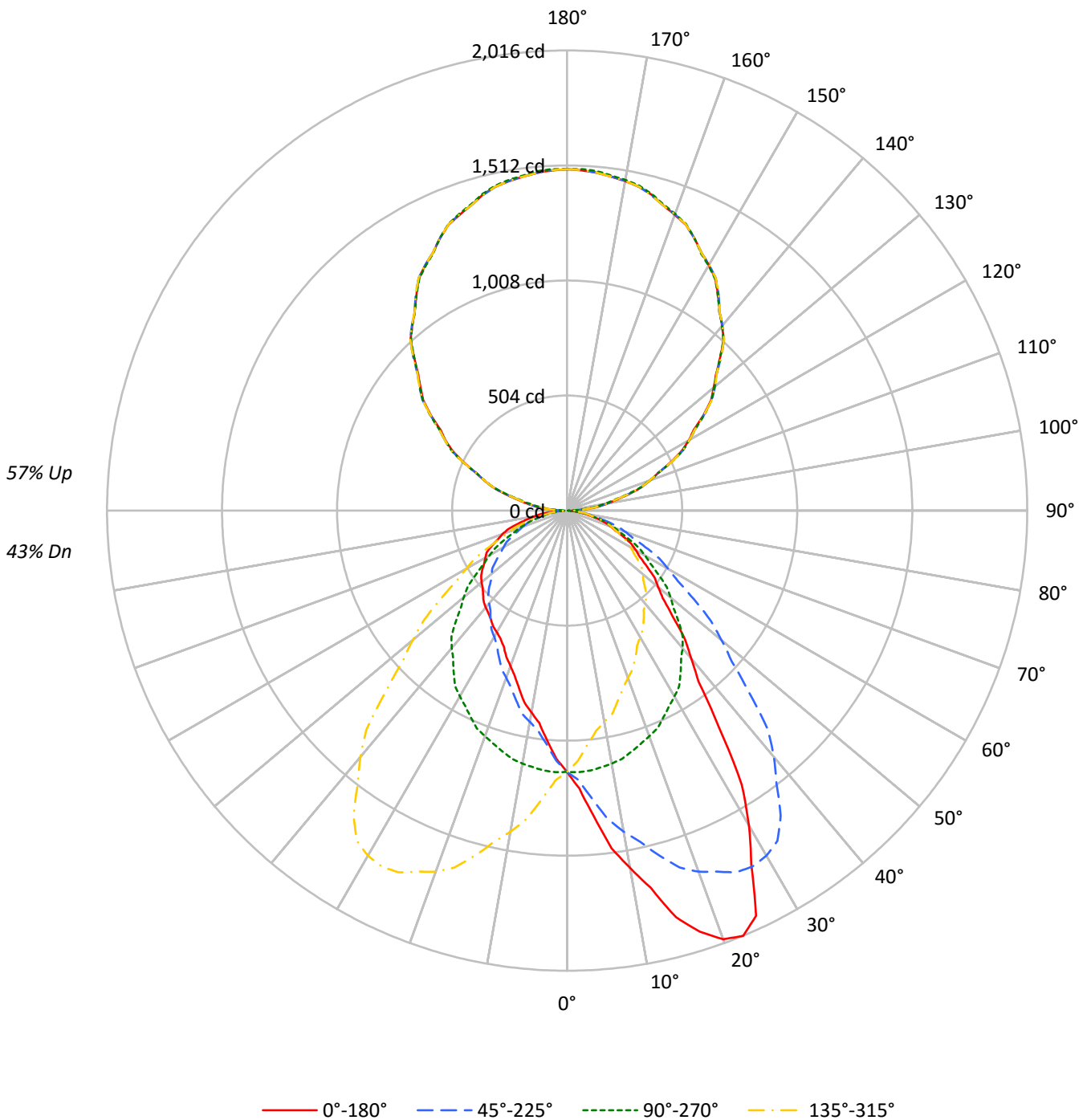
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37				
2	88	81	75	70	80	74	69	65	62	58	55	50	47	45	39	38	36	31				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	27				
4	74	63	55	49	67	58	51	46	48	43	39	40	36	33	31	29	27	23				
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	28	26	23	20				
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18				
7	58	46	38	32	53	42	35	30	35	30	26	29	25	22	24	21	18	16				
8	53	41	34	29	49	38	31	27	32	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13				
10	46	35	27	23	42	32	26	21	27	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9243	9243	9243	9243
5°	10884	9266	8178	9266
10°	13032	9225	7363	9225
15°	15419	9132	6761	9132
20°	17169	9037	6225	9037
25°	17446	8897	5855	8897
30°	14845	8763	5738	8763
35°	11413	8544	5740	8544
40°	8897	8286	5848	8286
45°	7418	7900	5946	7900
50°	6528	7428	6148	7428
55°	5980	6861	6394	6861
60°	5604	6355	6692	6355
65°	5217	5788	6940	5788
70°	4770	5228	7098	5228
75°	4261	4601	7012	4601
80°	3575	3770	6792	3770
85°	2631	2723	6502	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.5
10°-20°	343.8	4.7
20°-30°	545.1	7.5
30°-40°	606.7	8.3
40°-50°	552.2	7.6
50°-60°	451.3	6.2
60°-70°	322.2	4.4
70°-80°	177.4	2.4
80°-90°	52.9	0.7
90°-100°	98.6	1.3
100°-110°	292.2	4.0
110°-120°	495.9	6.8
120°-130°	653.9	8.9
130°-140°	734.3	10.0
140°-150°	721.6	9.9
150°-160°	606.9	8.3
160°-170°	403.8	5.5
170°-180°	141.4	1.9
0°-30°	1000.4	13.7
0°-40°	1607.1	22.0
0°-60°	2610.6	35.7
0°-90°	3163.1	43.3
90°-120°	886.7	12.1
90°-150°	2996.4	41.0
90°-180°	4149.0	56.7
0°-180°	7311.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1145	1145	1145	1145	1145	
5°	1343	1143	1009	1143	1343	137
15°	1845	1093	809	1093	1845	521
25°	1959	999	657	999	1959	863
35°	1158	867	582	867	1158	735
45°	650	692	521	692	650	512
55°	425	488	454	488	425	384
65°	273	303	363	303	273	270
75°	137	148	225	148	137	145
85°	28	29	70	29	28	36
90°	35	4	35	4	35	19
95°	91	69	91	69	91	95
105°	282	270	282	270	282	297
115°	500	504	500	504	500	494
125°	728	734	728	734	728	650
135°	948	947	948	947	948	732
145°	1152	1151	1152	1151	1152	721
155°	1317	1318	1317	1318	1317	606
165°	1432	1435	1432	1435	1432	403
175°	1486	1493	1486	1493	1486	141
180°	1495	1495	1495	1495	1495	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1218.4	1218.1	1214.2	1213.5	1210.9	1207.5	1206.7	1200.6	1188.5	1182.8	1181.2
5°	1343.1	1352.5	1340.2	1337.8	1336.4	1320.8	1312.7	1303.2	1281.4	1268.6	1258.6
7.5°	1491.8	1492.9	1487.6	1483.2	1471.1	1457.4	1437.0	1415.1	1389.2	1362.1	1341.8
10°	1589.7	1593.5	1587.3	1586.4	1562.2	1547.0	1516.6	1491.0	1461.6	1428.9	1399.0
12.5°	1692.9	1687.6	1684.4	1664.1	1659.7	1632.0	1596.7	1570.3	1525.0	1487.4	1447.6
15°	1844.9	1834.4	1827.7	1799.7	1786.0	1747.6	1710.1	1681.2	1621.9	1565.5	1522.8
17.5°	1933.9	1944.4	1929.0	1917.5	1882.0	1855.0	1816.8	1756.0	1709.7	1639.6	1585.7
20°	1998.5	1999.4	1990.9	1979.1	1951.1	1916.9	1875.2	1808.7	1753.3	1683.6	1609.6
22.5°	2015.9	2016.2	2012.5	2001.4	1980.2	1952.6	1910.5	1855.0	1787.8	1712.0	1638.1
25°	1958.6	1956.8	1961.1	1973.4	1965.2	1956.8	1932.5	1891.3	1828.7	1748.6	1668.8
27.5°	1745.8	1758.9	1783.0	1813.3	1842.5	1864.8	1871.1	1862.6	1823.8	1757.9	1674.5
30°	1592.5	1608.6	1626.7	1657.0	1715.8	1749.5	1786.5	1814.5	1798.8	1746.1	1668.4
32.5°	1424.1	1428.1	1454.8	1489.3	1543.2	1608.0	1666.6	1723.4	1742.3	1714.7	1649.8
35°	1158.1	1164.8	1193.6	1227.8	1293.8	1373.0	1461.2	1539.9	1604.8	1630.9	1597.8
37.5°	945.0	964.1	984.5	1021.3	1079.3	1150.6	1242.2	1344.1	1440.9	1505.8	1516.8
40°	844.2	856.0	870.8	898.7	948.0	1018.2	1096.9	1213.6	1316.5	1409.4	1439.8
42.5°	764.5	771.4	780.4	805.7	843.3	913.1	985.0	1087.6	1191.0	1302.1	1352.9
45°	649.7	656.8	672.0	686.7	715.2	763.6	830.4	914.8	1018.7	1125.9	1219.8
47.5°	566.9	571.4	580.4	596.1	620.3	652.2	706.6	777.1	873.3	977.4	1077.5
50°	519.8	523.5	530.7	544.9	563.4	591.8	636.4	702.4	777.8	882.6	980.7
52.5°	482.6	484.1	489.4	499.0	513.7	537.6	574.2	628.7	698.8	792.3	890.1
55°	424.9	426.9	431.6	438.7	451.5	466.6	494.6	535.4	596.6	677.7	762.6
57.5°	377.5	378.8	382.8	385.6	396.1	408.4	430.0	459.1	505.4	574.2	650.0
60°	347.1	346.2	351.0	353.3	360.4	370.9	387.4	415.4	455.8	511.2	580.9
62.5°	317.5	316.2	320.2	323.3	327.4	336.4	349.9	371.8	404.6	454.7	515.0
65°	273.1	271.3	273.7	277.4	281.2	286.0	296.0	315.4	341.4	377.5	423.5
67.5°	228.5	230.6	231.0	232.8	235.1	241.5	248.3	262.1	280.4	309.3	348.3
70°	202.1	202.5	204.4	204.4	205.8	211.5	217.2	225.2	243.3	269.8	301.6
72.5°	175.5	177.5	176.7	178.3	179.2	183.1	187.3	194.9	210.3	230.0	256.8
75°	136.6	138.0	138.0	138.5	139.9	141.3	144.6	150.3	161.2	175.9	194.5
77.5°	99.6	99.8	100.4	102.2	102.2	104.4	106.9	111.5	116.8	126.9	138.2
80°	76.9	77.8	77.3	78.3	78.3	80.2	81.1	86.8	89.2	95.8	104.8
82.5°	56.4	57.2	57.2	58.5	59.3	59.7	61.0	63.2	65.6	71.5	75.2
85°	28.4	29.4	28.4	29.4	30.9	31.3	32.7	33.2	35.1	36.6	39.9
87.5°	15.2	16.3	16.2	16.5	17.1	17.3	17.4	16.7	17.9	18.0	19.1
90°	34.7	34.2	33.7	33.2	32.6	31.6	30.1	28.5	27.0	25.4	23.4
92.5°	51.4	51.0	50.7	50.4	50.1	49.5	48.6	47.6	46.7	45.8	44.3
95°	91.4	91.4	91.4	91.4	91.4	91.0	90.2	89.4	88.6	87.9	86.1
97.5°	143.2	143.2	143.2	143.2	143.2	142.7	141.8	140.9	139.9	139.0	136.9
100°	179.2	179.2	179.2	179.2	179.2	179.0	178.5	178.0	177.5	176.9	174.6
102.5°	220.0	219.7	219.5	219.4	219.1	218.6	217.9	217.2	216.5	215.8	213.7
105°	282.1	281.4	280.6	279.8	279.1	278.3	277.6	276.8	276.0	275.3	274.2
107.5°	342.8	342.9	342.9	343.0	343.0	342.7	341.9	341.2	340.5	339.7	339.7
110°	386.3	385.5	384.7	384.0	383.2	383.1	383.5	384.1	384.6	385.1	385.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	430.7	430.5	430.3	430.2	430.1	430.0	430.2	430.3	430.3	430.4	430.9
115°	499.6	499.8	500.1	500.3	500.6	500.9	501.1	501.4	501.7	501.9	502.4
117.5°	565.3	565.8	566.3	566.8	567.3	568.0	568.9	569.8	570.6	571.5	571.9
120°	615.2	614.7	614.2	613.7	613.1	613.6	614.8	616.2	617.4	618.7	619.5
122.5°	656.8	657.8	658.7	659.6	660.6	661.5	662.4	663.2	664.1	664.9	665.3
125°	728.5	729.1	729.6	730.1	730.6	731.1	731.6	732.2	732.6	733.2	733.4
127.5°	795.0	795.3	795.8	796.2	796.6	797.0	797.5	798.1	798.6	799.1	799.5
130°	838.4	839.5	840.4	841.5	842.6	843.3	843.8	844.4	844.8	845.3	845.3
132.5°	884.7	885.1	885.5	885.9	886.4	886.8	887.3	887.8	888.3	888.9	889.0
135°	948.2	949.0	949.9	950.6	951.4	952.0	952.5	953.1	953.6	954.0	954.0
137.5°	1015.1	1014.9	1014.9	1014.7	1014.5	1014.8	1015.5	1016.1	1016.7	1017.4	1017.0
140°	1055.9	1056.1	1056.3	1056.6	1056.9	1057.1	1057.4	1057.7	1057.9	1058.1	1058.1
142.5°	1096.5	1096.6	1096.6	1096.7	1096.7	1096.8	1096.9	1096.9	1097.0	1097.0	1097.3
145°	1151.8	1152.6	1153.3	1154.1	1154.9	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2
147.5°	1207.8	1208.1	1208.3	1208.5	1208.8	1209.1	1209.2	1209.4	1209.7	1209.9	1210.1
150°	1242.1	1242.2	1242.5	1242.8	1243.0	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1
152.5°	1273.5	1274.2	1274.8	1275.5	1276.1	1276.2	1275.6	1275.0	1274.3	1273.7	1273.5
155°	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3	1320.3	1319.3	1318.2	1317.2	1317.4
157.5°	1356.3	1357.2	1358.0	1358.9	1359.8	1359.9	1359.1	1358.3	1357.5	1356.7	1356.8
160°	1378.5	1379.7	1381.1	1382.3	1383.6	1383.8	1383.1	1382.3	1381.5	1380.8	1381.1
162.5°	1401.6	1402.9	1404.2	1405.4	1406.8	1406.7	1405.3	1403.9	1402.6	1401.1	1401.4
165°	1431.6	1432.7	1433.7	1434.8	1435.8	1435.6	1434.0	1432.4	1430.9	1429.3	1429.9
167.5°	1453.2	1454.8	1456.3	1457.9	1459.6	1459.6	1458.0	1456.5	1455.0	1453.4	1453.4
170°	1465.3	1467.0	1468.8	1470.6	1472.4	1472.6	1471.0	1469.5	1467.9	1466.3	1466.2
172.5°	1475.4	1477.2	1479.0	1480.8	1482.6	1482.6	1480.9	1479.1	1477.4	1475.6	1475.6
175°	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3	1491.4	1489.6	1487.8	1486.0	1486.3
177.5°	1491.6	1493.3	1494.9	1496.6	1498.2	1498.3	1496.8	1495.4	1494.0	1492.5	1492.5
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1181.6	1176.3	1172.5	1169.5	1161.2	1156.2	1152.4	1147.1	1141.0	1134.6	1126.6
5°	1248.7	1232.5	1220.8	1202.7	1185.6	1171.4	1156.7	1143.4	1127.3	1109.7	1096.9
7.5°	1319.2	1295.2	1264.4	1237.8	1207.8	1181.7	1158.4	1134.5	1109.6	1085.6	1063.5
10°	1364.0	1333.1	1299.0	1258.6	1220.8	1187.0	1155.7	1125.4	1096.0	1066.6	1041.4
12.5°	1412.1	1373.7	1323.2	1276.1	1233.6	1188.6	1150.8	1113.7	1078.2	1047.2	1017.9
15°	1476.8	1421.3	1363.0	1299.9	1243.9	1191.3	1139.6	1092.7	1052.8	1012.0	983.6
17.5°	1516.5	1447.9	1381.2	1315.3	1247.6	1181.2	1125.4	1071.2	1021.4	980.8	944.9
20°	1542.7	1474.4	1391.4	1325.5	1244.9	1176.6	1112.1	1051.9	999.7	956.5	919.5
22.5°	1565.5	1486.6	1403.6	1316.8	1236.5	1164.1	1093.5	1032.9	979.6	934.2	898.7
25°	1577.8	1487.2	1397.1	1310.8	1219.8	1133.9	1069.9	998.8	941.8	893.9	856.0
27.5°	1579.1	1482.3	1380.4	1284.4	1190.4	1110.5	1029.7	966.2	907.0	856.4	819.9
30°	1574.9	1474.0	1364.4	1260.5	1166.2	1079.4	1009.2	940.0	879.8	829.5	791.5
32.5°	1561.7	1456.5	1343.9	1233.9	1136.2	1051.3	978.8	913.0	854.3	804.8	765.0
35°	1523.3	1419.4	1299.4	1185.2	1085.0	999.3	933.8	866.9	808.2	761.2	722.7
37.5°	1463.2	1369.3	1247.3	1129.1	1030.8	944.6	879.8	819.3	766.2	718.5	679.2
40°	1410.9	1328.4	1206.0	1090.7	984.5	902.5	841.8	786.3	733.7	688.6	651.1
42.5°	1350.6	1278.6	1165.8	1043.7	941.3	858.9	799.7	749.8	700.3	658.6	621.2
45°	1243.0	1195.6	1089.3	976.5	869.8	792.0	735.6	692.0	650.2	609.4	578.1
47.5°	1119.3	1095.8	1006.4	899.2	797.9	721.2	672.3	632.0	595.4	560.9	533.2
50°	1036.3	1024.8	947.5	844.2	747.4	675.3	626.0	591.4	560.1	529.8	503.6
52.5°	954.3	953.9	884.2	789.5	700.0	630.5	581.6	549.3	522.2	497.5	474.0
55°	829.0	842.2	787.7	703.3	623.1	560.5	516.5	487.5	468.6	448.2	430.6
57.5°	713.9	735.9	691.0	616.6	549.7	492.0	453.7	431.9	411.7	399.4	386.6
60°	638.8	659.7	624.6	562.0	498.9	449.6	413.0	393.6	376.0	367.6	358.6
62.5°	572.0	590.7	564.6	506.6	451.8	404.5	373.6	354.9	343.0	333.8	327.8
65°	476.6	492.2	470.0	427.8	380.8	342.9	317.7	303.0	291.7	287.8	281.2
67.5°	385.3	399.5	387.4	351.6	314.0	285.2	265.6	251.5	244.7	241.4	236.7
70°	331.0	345.3	332.4	301.1	272.2	248.1	229.5	221.5	214.4	212.9	206.3
72.5°	285.1	294.8	282.0	257.5	232.7	212.4	198.0	189.6	185.9	183.3	179.8
75°	213.9	222.4	213.9	194.9	177.4	163.2	150.8	147.5	143.2	141.8	139.5
77.5°	151.4	158.8	152.2	140.4	127.2	116.3	109.7	105.4	104.4	101.9	103.1
80°	115.7	120.5	114.3	106.2	95.8	88.2	83.5	81.1	78.3	77.3	79.2
82.5°	83.1	85.2	82.0	76.6	68.8	63.9	60.7	58.0	57.4	57.6	57.6
85°	43.2	42.7	42.2	37.5	35.1	31.7	29.9	29.4	28.9	29.9	30.9
87.5°	18.7	18.6	17.8	15.9	14.2	12.5	11.5	10.5	11.5	12.5	13.4
90°	21.3	19.3	17.2	14.8	11.9	9.1	6.3	3.5	6.3	9.1	11.9
92.5°	42.9	41.5	40.0	37.7	34.4	31.2	28.0	24.8	28.0	31.2	34.4
95°	84.3	82.5	80.7	78.6	76.3	74.0	71.7	69.4	71.7	74.0	76.3
97.5°	134.8	132.7	130.5	128.6	126.7	124.9	123.1	121.2	123.1	124.9	126.7
100°	172.3	170.0	167.6	166.0	165.0	164.0	162.9	161.9	162.9	164.0	165.0
102.5°	211.6	209.5	207.3	206.1	205.7	205.3	204.9	204.5	204.9	205.3	205.7
105°	273.2	272.2	271.1	270.5	270.2	270.0	269.7	269.5	269.7	270.0	270.2
107.5°	339.5	339.3	339.1	338.9	338.6	338.3	338.0	337.7	338.0	338.3	338.6
110°	385.6	385.8	386.1	386.0	385.5	385.0	384.4	384.0	384.4	385.0	385.5



TEST NUMBER: P332794-940

CATALOG NUMBER: S124DIW-S795D1340U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	431.3	431.9	432.3	432.5	432.4	432.2	432.1	432.0	432.1	432.2	432.4
115°	502.9	503.5	504.0	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2
117.5°	572.2	572.6	572.9	573.0	572.8	572.7	572.4	572.2	572.4	572.7	572.8
120°	620.3	621.0	621.8	621.6	620.6	619.6	618.6	617.5	618.6	619.6	620.6
122.5°	665.7	666.0	666.4	666.4	665.9	665.6	665.1	664.7	665.1	665.6	665.9
125°	733.7	734.0	734.2	734.3	734.3	734.3	734.3	734.3	734.3	734.3	734.3
127.5°	800.0	800.3	800.8	800.6	799.8	799.1	798.3	797.5	798.3	799.1	799.8
130°	845.3	845.3	845.3	845.0	844.2	843.5	842.7	841.9	842.7	843.5	844.2
132.5°	889.2	889.5	889.7	889.5	888.9	888.3	887.8	887.3	887.8	888.3	888.9
135°	954.0	954.0	954.0	953.3	951.7	950.2	948.7	947.1	948.7	950.2	951.7
137.5°	1016.6	1016.2	1015.8	1015.2	1014.5	1013.8	1013.1	1012.4	1013.1	1013.8	1014.5
140°	1058.1	1058.1	1058.1	1057.9	1057.4	1056.9	1056.3	1055.9	1056.3	1056.9	1057.4
142.5°	1097.4	1097.6	1097.8	1097.7	1097.2	1096.6	1096.1	1095.6	1096.1	1096.6	1097.2
145°	1155.9	1155.7	1155.4	1154.8	1153.8	1152.7	1151.7	1150.7	1151.7	1152.7	1153.8
147.5°	1210.3	1210.5	1210.7	1210.1	1209.0	1207.7	1206.5	1205.2	1206.5	1207.7	1209.0
150°	1243.1	1243.1	1243.1	1242.7	1241.6	1240.6	1239.6	1238.6	1239.6	1240.6	1241.6
152.5°	1273.3	1273.1	1272.9	1272.5	1271.8	1271.2	1270.6	1270.0	1270.6	1271.2	1271.8
155°	1317.7	1317.9	1318.2	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3
157.5°	1356.8	1356.9	1356.9	1357.2	1357.6	1358.2	1358.6	1359.1	1358.6	1358.2	1357.6
160°	1381.3	1381.5	1381.8	1382.1	1382.3	1382.6	1382.9	1383.1	1382.9	1382.6	1382.3
162.5°	1401.7	1401.9	1402.2	1402.7	1403.3	1404.0	1404.6	1405.3	1404.6	1404.0	1403.3
165°	1430.4	1430.9	1431.5	1432.1	1432.8	1433.6	1434.4	1435.1	1434.4	1433.6	1432.8
167.5°	1453.3	1453.3	1453.2	1453.8	1454.8	1455.9	1457.0	1458.0	1457.0	1455.9	1454.8
170°	1465.9	1465.6	1465.3	1465.9	1467.1	1468.5	1469.7	1471.0	1469.7	1468.5	1467.1
172.5°	1475.5	1475.5	1475.4	1476.0	1477.0	1478.1	1479.2	1480.2	1479.2	1478.1	1477.0
175°	1486.6	1486.8	1487.0	1487.8	1489.2	1490.4	1491.7	1493.0	1491.7	1490.4	1489.2
177.5°	1492.5	1492.5	1492.5	1493.0	1494.1	1495.0	1496.1	1497.1	1496.1	1495.0	1494.1
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1122.8	1119.5	1114.5	1107.7	1102.0	1095.9	1094.4	1092.1	1096.6	1092.9	1091.7
5°	1086.0	1076.0	1063.3	1048.6	1040.0	1027.7	1025.3	1020.6	1015.8	1015.4	1010.6
7.5°	1047.0	1032.4	1015.7	1000.7	986.8	973.3	964.6	962.6	955.6	951.5	946.8
10°	1022.0	1004.0	984.5	970.3	954.2	940.0	930.0	924.3	919.5	914.4	909.6
12.5°	992.4	973.2	957.3	941.8	922.7	911.9	895.5	885.6	884.7	884.8	872.4
15°	958.0	939.0	914.4	892.5	882.1	861.2	852.2	840.8	833.7	826.6	820.9
17.5°	918.6	895.0	875.7	850.7	830.8	814.2	802.4	795.5	784.8	774.7	767.4
20°	893.9	868.8	848.5	821.9	800.0	779.6	769.7	760.2	752.2	743.6	735.6
22.5°	868.9	842.7	817.7	791.9	771.6	750.1	740.5	727.5	719.9	715.2	707.1
25°	829.5	801.0	772.6	747.9	727.0	708.0	695.3	685.3	676.7	673.0	667.7
27.5°	786.6	758.3	730.8	702.8	679.1	665.4	655.1	647.6	642.7	637.7	635.3
30°	759.3	729.9	700.4	674.4	652.6	638.8	629.3	624.1	620.3	618.0	615.5
32.5°	731.6	702.6	671.6	647.8	628.3	616.1	608.9	603.6	601.7	600.8	600.0
35°	687.2	657.8	629.3	608.0	589.5	584.8	578.5	575.8	574.8	578.1	579.5
37.5°	644.2	616.9	590.8	570.1	557.9	551.0	548.8	549.0	552.4	555.4	558.7
40°	616.5	590.0	565.3	547.2	535.9	531.6	530.7	533.1	536.8	540.2	543.9
42.5°	589.6	563.4	541.0	524.1	516.2	512.3	512.8	515.2	520.5	524.6	530.3
45°	547.8	525.9	504.1	490.4	483.8	484.6	484.6	488.9	494.2	500.3	506.5
47.5°	508.4	486.4	468.4	456.9	453.4	452.6	455.3	460.8	468.3	476.0	484.6
50°	481.8	460.9	445.3	434.9	431.1	432.5	436.3	441.5	450.5	460.0	469.0
52.5°	454.9	436.0	421.4	411.7	409.1	411.6	415.4	423.7	431.6	441.8	452.7
55°	413.0	396.9	385.6	378.4	377.5	378.9	383.2	392.2	403.6	416.4	426.9
57.5°	371.4	357.9	347.5	342.6	343.0	344.4	351.4	362.1	374.3	387.9	401.4
60°	343.4	331.0	322.5	318.7	319.1	322.0	330.6	340.5	355.7	369.0	383.2
62.5°	316.8	305.9	297.8	294.4	293.7	300.0	308.2	318.5	333.7	348.5	363.8
65°	274.1	265.6	259.0	257.1	258.5	263.2	273.7	287.4	300.2	315.8	332.0
67.5°	232.4	225.3	220.8	221.7	223.4	230.4	239.2	250.9	265.5	281.7	297.7
70°	205.8	199.2	195.4	195.8	198.7	207.2	214.8	226.7	242.4	259.0	272.2
72.5°	178.5	174.2	170.8	172.7	175.6	181.5	190.9	202.8	216.5	232.0	246.0
75°	137.1	137.1	135.2	136.6	140.9	146.5	153.6	165.9	179.8	192.1	203.5
77.5°	101.7	100.7	101.8	103.6	106.0	112.8	120.9	129.7	140.1	152.4	161.8
80°	77.8	78.3	80.6	83.5	84.4	89.6	98.2	106.2	114.3	124.8	133.8
82.5°	58.4	58.9	60.1	63.8	64.6	70.3	75.8	83.8	91.1	98.2	105.7
85°	31.7	31.7	34.2	35.6	37.9	41.7	45.0	49.8	56.4	61.2	68.3
87.5°	15.1	15.6	17.5	18.7	20.2	22.6	23.6	28.1	29.9	32.1	35.8
90°	14.8	17.2	19.3	21.3	23.4	25.4	27.0	28.5	30.1	31.6	32.6
92.5°	37.7	40.0	41.5	42.9	44.3	45.8	46.7	47.6	48.6	49.5	50.1
95°	78.6	80.7	82.5	84.3	86.1	87.9	88.6	89.4	90.2	91.0	91.4
97.5°	128.6	130.5	132.7	134.8	136.9	139.0	139.9	140.9	141.8	142.7	143.2
100°	166.0	167.6	170.0	172.3	174.6	176.9	177.5	178.0	178.5	179.0	179.2
102.5°	206.1	207.3	209.5	211.6	213.7	215.8	216.5	217.2	217.9	218.6	219.1
105°	270.5	271.1	272.2	273.2	274.2	275.3	276.0	276.8	277.6	278.3	279.1
107.5°	338.9	339.1	339.3	339.5	339.7	339.7	340.5	341.2	341.9	342.7	343.0
110°	386.0	386.1	385.8	385.6	385.4	385.1	384.6	384.1	383.5	383.1	383.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.5	432.3	431.9	431.3	430.9	430.4	430.3	430.3	430.2	430.0	430.1
115°	504.2	504.0	503.5	502.9	502.4	501.9	501.7	501.4	501.1	500.9	500.6
117.5°	573.0	572.9	572.6	572.2	571.9	571.5	570.6	569.8	568.9	568.0	567.3
120°	621.6	621.8	621.0	620.3	619.5	618.7	617.4	616.2	614.8	613.6	613.1
122.5°	666.4	666.4	666.0	665.7	665.3	664.9	664.1	663.2	662.4	661.5	660.6
125°	734.3	734.2	734.0	733.7	733.4	733.2	732.6	732.2	731.6	731.1	730.6
127.5°	800.6	800.8	800.3	800.0	799.5	799.1	798.6	798.1	797.5	797.0	796.6
130°	845.0	845.3	845.3	845.3	845.3	845.3	844.8	844.4	843.8	843.3	842.6
132.5°	889.5	889.7	889.5	889.2	889.0	888.9	888.3	887.8	887.3	886.8	886.4
135°	953.3	954.0	954.0	954.0	954.0	954.0	953.6	953.1	952.5	952.0	951.4
137.5°	1015.2	1015.8	1016.2	1016.6	1017.0	1017.4	1016.7	1016.1	1015.5	1014.8	1014.5
140°	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.7	1057.4	1057.1	1056.9
142.5°	1097.7	1097.8	1097.6	1097.4	1097.3	1097.0	1097.0	1096.9	1096.9	1096.8	1096.7
145°	1154.8	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2	1155.9	1155.7	1155.4	1154.9
147.5°	1210.1	1210.7	1210.5	1210.3	1210.1	1209.9	1209.7	1209.4	1209.2	1209.1	1208.8
150°	1242.7	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.0
152.5°	1272.5	1272.9	1273.1	1273.3	1273.5	1273.7	1274.3	1275.0	1275.6	1276.2	1276.1
155°	1318.3	1318.2	1317.9	1317.7	1317.4	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3
157.5°	1357.2	1356.9	1356.9	1356.8	1356.8	1356.7	1357.5	1358.3	1359.1	1359.9	1359.8
160°	1382.1	1381.8	1381.5	1381.3	1381.1	1380.8	1381.5	1382.3	1383.1	1383.8	1383.6
162.5°	1402.7	1402.2	1401.9	1401.7	1401.4	1401.1	1402.6	1403.9	1405.3	1406.7	1406.8
165°	1432.1	1431.5	1430.9	1430.4	1429.9	1429.3	1430.9	1432.4	1434.0	1435.6	1435.8
167.5°	1453.8	1453.2	1453.3	1453.3	1453.4	1453.4	1455.0	1456.5	1458.0	1459.6	1459.6
170°	1465.9	1465.3	1465.6	1465.9	1466.2	1466.3	1467.9	1469.5	1471.0	1472.6	1472.4
172.5°	1476.0	1475.4	1475.5	1475.5	1475.6	1475.6	1477.4	1479.1	1480.9	1482.6	1482.6
175°	1487.8	1487.0	1486.8	1486.6	1486.3	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3
177.5°	1493.0	1492.5	1492.5	1492.5	1492.5	1492.5	1494.0	1495.4	1496.8	1498.3	1498.2
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



TEST NUMBER: P332794-940

CATALOG NUMBER: S124DIW-S795D1340U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1090.9	1090.2	1087.5	1087.2	1087.5	1090.2	1090.9	1091.7	1092.9	1096.6	1092.1
5°	1007.8	1005.4	1004.0	1009.2	1004.0	1005.4	1007.8	1010.6	1015.4	1015.8	1020.6
7.5°	945.0	943.2	939.0	937.7	939.0	943.2	945.0	946.8	951.5	955.6	962.6
10°	904.8	902.9	899.2	898.2	899.2	902.9	904.8	909.6	914.4	919.5	924.3
12.5°	866.1	862.4	861.6	862.6	861.6	862.4	866.1	872.4	884.8	884.7	885.6
15°	814.8	812.9	807.6	809.0	807.6	812.9	814.8	820.9	826.6	833.7	840.8
17.5°	764.1	761.8	755.5	761.1	755.5	761.8	764.1	767.4	774.7	784.8	795.5
20°	732.3	728.4	725.1	724.6	725.1	728.4	732.3	735.6	743.6	752.2	760.2
22.5°	701.9	698.5	698.2	695.1	698.2	698.5	701.9	707.1	715.2	719.9	727.5
25°	664.0	660.7	659.7	657.3	659.7	660.7	664.0	667.7	673.0	676.7	685.3
27.5°	634.8	633.2	631.5	632.2	631.5	633.2	634.8	635.3	637.7	642.7	647.6
30°	617.0	616.5	615.5	615.5	615.5	616.5	617.0	615.5	618.0	620.3	624.1
32.5°	602.2	602.1	602.7	602.7	602.7	602.1	602.2	600.0	600.8	601.7	603.6
35°	581.4	582.8	583.8	582.4	583.8	582.8	581.4	579.5	578.1	574.8	575.8
37.5°	562.7	564.1	565.4	567.0	565.4	564.1	562.7	558.7	555.4	552.4	549.0
40°	548.2	551.5	552.5	554.9	552.5	551.5	548.2	543.9	540.2	536.8	533.1
42.5°	534.6	538.2	540.7	541.2	540.7	538.2	534.6	530.3	524.6	520.5	515.2
45°	513.6	517.4	520.8	520.8	520.8	517.4	513.6	506.5	500.3	494.2	488.9
47.5°	491.9	497.4	500.7	501.6	500.7	497.4	491.9	484.6	476.0	468.3	460.8
50°	477.1	483.8	487.1	489.5	487.1	483.8	477.1	469.0	460.0	450.5	441.5
52.5°	462.7	469.3	473.8	475.0	473.8	469.3	462.7	452.7	441.8	431.6	423.7
55°	437.7	447.2	452.5	454.3	452.5	447.2	437.7	426.9	416.4	403.6	392.2
57.5°	414.2	422.9	429.0	430.4	429.0	422.9	414.2	401.4	387.9	374.3	362.1
60°	396.0	405.5	413.0	414.5	413.0	405.5	396.0	383.2	369.0	355.7	340.5
62.5°	377.4	387.3	394.1	397.8	394.1	387.3	377.4	363.8	348.5	333.7	318.5
65°	345.3	355.2	361.9	363.3	361.9	355.2	345.3	332.0	315.8	300.2	287.4
67.5°	310.1	320.1	324.5	327.3	324.5	320.1	310.1	297.7	281.7	265.5	250.9
70°	285.5	293.6	298.3	300.7	298.3	293.6	285.5	272.2	259.0	242.4	226.7
72.5°	257.4	265.8	271.3	271.8	271.3	265.8	257.4	246.0	232.0	216.5	202.8
75°	214.4	221.9	224.8	224.8	224.8	221.9	214.4	203.5	192.1	179.8	165.9
77.5°	169.7	173.6	177.2	177.9	177.2	173.6	169.7	161.8	152.4	140.1	129.7
80°	140.9	143.2	146.1	146.1	146.1	143.2	140.9	133.8	124.8	114.3	106.2
82.5°	111.3	113.2	116.1	115.7	116.1	113.2	111.3	105.7	98.2	91.1	83.8
85°	67.3	71.6	71.2	70.2	71.2	71.6	67.3	68.3	61.2	56.4	49.8
87.5°	37.0	37.5	38.7	39.6	38.7	37.5	37.0	35.8	32.1	29.9	28.1
90°	33.2	33.7	34.2	34.7	34.2	33.7	33.2	32.6	31.6	30.1	28.5
92.5°	50.4	50.7	51.0	51.4	51.0	50.7	50.4	50.1	49.5	48.6	47.6
95°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.0	90.2	89.4
97.5°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	142.7	141.8	140.9
100°	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.0	178.5	178.0
102.5°	219.4	219.5	219.7	220.0	219.7	219.5	219.4	219.1	218.6	217.9	217.2
105°	279.8	280.6	281.4	282.1	281.4	280.6	279.8	279.1	278.3	277.6	276.8
107.5°	343.0	342.9	342.9	342.8	342.9	342.9	343.0	343.0	342.7	341.9	341.2
110°	384.0	384.7	385.5	386.3	385.5	384.7	384.0	383.2	383.1	383.5	384.1



TEST NUMBER: P332794-940

CATALOG NUMBER: S124DIW-S795D1340U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.2	430.3	430.5	430.7	430.5	430.3	430.2	430.1	430.0	430.2	430.3
115°	500.3	500.1	499.8	499.6	499.8	500.1	500.3	500.6	500.9	501.1	501.4
117.5°	566.8	566.3	565.8	565.3	565.8	566.3	566.8	567.3	568.0	568.9	569.8
120°	613.7	614.2	614.7	615.2	614.7	614.2	613.7	613.1	613.6	614.8	616.2
122.5°	659.6	658.7	657.8	656.8	657.8	658.7	659.6	660.6	661.5	662.4	663.2
125°	730.1	729.6	729.1	728.5	729.1	729.6	730.1	730.6	731.1	731.6	732.2
127.5°	796.2	795.8	795.3	795.0	795.3	795.8	796.2	796.6	797.0	797.5	798.1
130°	841.5	840.4	839.5	838.4	839.5	840.4	841.5	842.6	843.3	843.8	844.4
132.5°	885.9	885.5	885.1	884.7	885.1	885.5	885.9	886.4	886.8	887.3	887.8
135°	950.6	949.9	949.0	948.2	949.0	949.9	950.6	951.4	952.0	952.5	953.1
137.5°	1014.7	1014.9	1014.9	1015.1	1014.9	1014.9	1014.7	1014.5	1014.8	1015.5	1016.1
140°	1056.6	1056.3	1056.1	1055.9	1056.1	1056.3	1056.6	1056.9	1057.1	1057.4	1057.7
142.5°	1096.7	1096.6	1096.6	1096.5	1096.6	1096.6	1096.7	1096.7	1096.8	1096.9	1096.9
145°	1154.1	1153.3	1152.6	1151.8	1152.6	1153.3	1154.1	1154.9	1155.4	1155.7	1155.9
147.5°	1208.5	1208.3	1208.1	1207.8	1208.1	1208.3	1208.5	1208.8	1209.1	1209.2	1209.4
150°	1242.8	1242.5	1242.2	1242.1	1242.2	1242.5	1242.8	1243.0	1243.1	1243.1	1243.1
152.5°	1275.5	1274.8	1274.2	1273.5	1274.2	1274.8	1275.5	1276.1	1276.2	1275.6	1275.0
155°	1320.3	1319.3	1318.2	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3	1320.3	1319.3
157.5°	1358.9	1358.0	1357.2	1356.3	1357.2	1358.0	1358.9	1359.8	1359.9	1359.1	1358.3
160°	1382.3	1381.1	1379.7	1378.5	1379.7	1381.1	1382.3	1383.6	1383.8	1383.1	1382.3
162.5°	1405.4	1404.2	1402.9	1401.6	1402.9	1404.2	1405.4	1406.8	1406.7	1405.3	1403.9
165°	1434.8	1433.7	1432.7	1431.6	1432.7	1433.7	1434.8	1435.8	1435.6	1434.0	1432.4
167.5°	1457.9	1456.3	1454.8	1453.2	1454.8	1456.3	1457.9	1459.6	1459.6	1458.0	1456.5
170°	1470.6	1468.8	1467.0	1465.3	1467.0	1468.8	1470.6	1472.4	1472.6	1471.0	1469.5
172.5°	1480.8	1479.0	1477.2	1475.4	1477.2	1479.0	1480.8	1482.6	1482.6	1480.9	1479.1
175°	1491.4	1489.6	1487.8	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3	1491.4	1489.6
177.5°	1496.6	1494.9	1493.3	1491.6	1493.3	1494.9	1496.6	1498.2	1498.3	1496.8	1495.4
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



TEST NUMBER: P332794-940

CATALOG NUMBER: S124DIW-S795D1340U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1094.4	1095.9	1102.0	1107.7	1114.5	1119.5	1122.8	1126.6	1134.6	1141.0	1147.1
5°	1025.3	1027.7	1040.0	1048.6	1063.3	1076.0	1086.0	1096.9	1109.7	1127.3	1143.4
7.5°	964.6	973.3	986.8	1000.7	1015.7	1032.4	1047.0	1063.5	1085.6	1109.6	1134.5
10°	930.0	940.0	954.2	970.3	984.5	1004.0	1022.0	1041.4	1066.6	1096.0	1125.4
12.5°	895.5	911.9	922.7	941.8	957.3	973.2	992.4	1017.9	1047.2	1078.2	1113.7
15°	852.2	861.2	882.1	892.5	914.4	939.0	958.0	983.6	1012.0	1052.8	1092.7
17.5°	802.4	814.2	830.8	850.7	875.7	895.0	918.6	944.9	980.8	1021.4	1071.2
20°	769.7	779.6	800.0	821.9	848.5	868.8	893.9	919.5	956.5	999.7	1051.9
22.5°	740.5	750.1	771.6	791.9	817.7	842.7	868.9	898.7	934.2	979.6	1032.9
25°	695.3	708.0	727.0	747.9	772.6	801.0	829.5	856.0	893.9	941.8	998.8
27.5°	655.1	665.4	679.1	702.8	730.8	758.3	786.6	819.9	856.4	907.0	966.2
30°	629.3	638.8	652.6	674.4	700.4	729.9	759.3	791.5	829.5	879.8	940.0
32.5°	608.9	616.1	628.3	647.8	671.6	702.6	731.6	765.0	804.8	854.3	913.0
35°	578.5	584.8	589.5	608.0	629.3	657.8	687.2	722.7	761.2	808.2	866.9
37.5°	548.8	551.0	557.9	570.1	590.8	616.9	644.2	679.2	718.5	766.2	819.3
40°	530.7	531.6	535.9	547.2	565.3	590.0	616.5	651.1	688.6	733.7	786.3
42.5°	512.8	512.3	516.2	524.1	541.0	563.4	589.6	621.2	658.6	700.3	749.8
45°	484.6	484.6	483.8	490.4	504.1	525.9	547.8	578.1	609.4	650.2	692.0
47.5°	455.3	452.6	453.4	456.9	468.4	486.4	508.4	533.2	560.9	595.4	632.0
50°	436.3	432.5	431.1	434.9	445.3	460.9	481.8	503.6	529.8	560.1	591.4
52.5°	415.4	411.6	409.1	411.7	421.4	436.0	454.9	474.0	497.5	522.2	549.3
55°	383.2	378.9	377.5	378.4	385.6	396.9	413.0	430.6	448.2	468.6	487.5
57.5°	351.4	344.4	343.0	342.6	347.5	357.9	371.4	386.6	399.4	411.7	431.9
60°	330.6	322.0	319.1	318.7	322.5	331.0	343.4	358.6	367.6	376.0	393.6
62.5°	308.2	300.0	293.7	294.4	297.8	305.9	316.8	327.8	333.8	343.0	354.9
65°	273.7	263.2	258.5	257.1	259.0	265.6	274.1	281.2	287.8	291.7	303.0
67.5°	239.2	230.4	223.4	221.7	220.8	225.3	232.4	236.7	241.4	244.7	251.5
70°	214.8	207.2	198.7	195.8	195.4	199.2	205.8	206.3	212.9	214.4	221.5
72.5°	190.9	181.5	175.6	172.7	170.8	174.2	178.5	179.8	183.3	185.9	189.6
75°	153.6	146.5	140.9	136.6	135.2	137.1	137.1	139.5	141.8	143.2	147.5
77.5°	120.9	112.8	106.0	103.6	101.8	100.7	101.7	103.1	101.9	104.4	105.4
80°	98.2	89.6	84.4	83.5	80.6	78.3	77.8	79.2	77.3	78.3	81.1
82.5°	75.8	70.3	64.6	63.8	60.1	58.9	58.4	57.6	57.6	57.4	58.0
85°	45.0	41.7	37.9	35.6	34.2	31.7	31.7	30.9	29.9	28.9	29.4
87.5°	23.6	22.6	20.2	18.7	17.5	15.6	15.1	13.4	12.5	11.5	10.5
90°	27.0	25.4	23.4	21.3	19.3	17.2	14.8	11.9	9.1	6.3	3.5
92.5°	46.7	45.8	44.3	42.9	41.5	40.0	37.7	34.4	31.2	28.0	24.8
95°	88.6	87.9	86.1	84.3	82.5	80.7	78.6	76.3	74.0	71.7	69.4
97.5°	139.9	139.0	136.9	134.8	132.7	130.5	128.6	126.7	124.9	123.1	121.2
100°	177.5	176.9	174.6	172.3	170.0	167.6	166.0	165.0	164.0	162.9	161.9
102.5°	216.5	215.8	213.7	211.6	209.5	207.3	206.1	205.7	205.3	204.9	204.5
105°	276.0	275.3	274.2	273.2	272.2	271.1	270.5	270.2	270.0	269.7	269.5
107.5°	340.5	339.7	339.7	339.5	339.3	339.1	338.9	338.6	338.3	338.0	337.7
110°	384.6	385.1	385.4	385.6	385.8	386.1	386.0	385.5	385.0	384.4	384.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	430.3	430.4	430.9	431.3	431.9	432.3	432.5	432.4	432.2	432.1	432.0
115°	501.7	501.9	502.4	502.9	503.5	504.0	504.2	504.2	504.2	504.2	504.2
117.5°	570.6	571.5	571.9	572.2	572.6	572.9	573.0	572.8	572.7	572.4	572.2
120°	617.4	618.7	619.5	620.3	621.0	621.8	621.6	620.6	619.6	618.6	617.5
122.5°	664.1	664.9	665.3	665.7	666.0	666.4	666.4	665.9	665.6	665.1	664.7
125°	732.6	733.2	733.4	733.7	734.0	734.2	734.3	734.3	734.3	734.3	734.3
127.5°	798.6	799.1	799.5	800.0	800.3	800.8	800.6	799.8	799.1	798.3	797.5
130°	844.8	845.3	845.3	845.3	845.3	845.3	845.0	844.2	843.5	842.7	841.9
132.5°	888.3	888.9	889.0	889.2	889.5	889.7	889.5	888.9	888.3	887.8	887.3
135°	953.6	954.0	954.0	954.0	954.0	954.0	953.3	951.7	950.2	948.7	947.1
137.5°	1016.7	1017.4	1017.0	1016.6	1016.2	1015.8	1015.2	1014.5	1013.8	1013.1	1012.4
140°	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.4	1056.9	1056.3	1055.9
142.5°	1097.0	1097.0	1097.3	1097.4	1097.6	1097.8	1097.7	1097.2	1096.6	1096.1	1095.6
145°	1156.2	1156.5	1156.2	1155.9	1155.7	1155.4	1154.8	1153.8	1152.7	1151.7	1150.7
147.5°	1209.7	1209.9	1210.1	1210.3	1210.5	1210.7	1210.1	1209.0	1207.7	1206.5	1205.2
150°	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1242.7	1241.6	1240.6	1239.6	1238.6
152.5°	1274.3	1273.7	1273.5	1273.3	1273.1	1272.9	1272.5	1271.8	1271.2	1270.6	1270.0
155°	1318.2	1317.2	1317.4	1317.7	1317.9	1318.2	1318.3	1318.3	1318.3	1318.3	1318.3
157.5°	1357.5	1356.7	1356.8	1356.8	1356.9	1356.9	1357.2	1357.6	1358.2	1358.6	1359.1
160°	1381.5	1380.8	1381.1	1381.3	1381.5	1381.8	1382.1	1382.3	1382.6	1382.9	1383.1
162.5°	1402.6	1401.1	1401.4	1401.7	1401.9	1402.2	1402.7	1403.3	1404.0	1404.6	1405.3
165°	1430.9	1429.3	1429.9	1430.4	1430.9	1431.5	1432.1	1432.8	1433.6	1434.4	1435.1
167.5°	1455.0	1453.4	1453.4	1453.3	1453.3	1453.2	1453.8	1454.8	1455.9	1457.0	1458.0
170°	1467.9	1466.3	1466.2	1465.9	1465.6	1465.3	1465.9	1467.1	1468.5	1469.7	1471.0
172.5°	1477.4	1475.6	1475.6	1475.5	1475.5	1475.4	1476.0	1477.0	1478.1	1479.2	1480.2
175°	1487.8	1486.0	1486.3	1486.6	1486.8	1487.0	1487.8	1489.2	1490.4	1491.7	1493.0
177.5°	1494.0	1492.5	1492.5	1492.5	1492.5	1492.5	1493.0	1494.1	1495.0	1496.1	1497.1
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



TEST NUMBER: P332794-940

CATALOG NUMBER: S124DIW-S795D1340U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1152.4	1156.2	1161.2	1169.5	1172.5	1176.3	1181.6	1181.2	1182.8	1188.5	1200.6
5°	1156.7	1171.4	1185.6	1202.7	1220.8	1232.5	1248.7	1258.6	1268.6	1281.4	1303.2
7.5°	1158.4	1181.7	1207.8	1237.8	1264.4	1295.2	1319.2	1341.8	1362.1	1389.2	1415.1
10°	1155.7	1187.0	1220.8	1258.6	1299.0	1333.1	1364.0	1399.0	1428.9	1461.6	1491.0
12.5°	1150.8	1188.6	1233.6	1276.1	1323.2	1373.7	1412.1	1447.6	1487.4	1525.0	1570.3
15°	1139.6	1191.3	1243.9	1299.9	1363.0	1421.3	1476.8	1522.8	1565.5	1621.9	1681.2
17.5°	1125.4	1181.2	1247.6	1315.3	1381.2	1447.9	1516.5	1585.7	1639.6	1709.7	1756.0
20°	1112.1	1176.6	1244.9	1325.5	1391.4	1474.4	1542.7	1609.6	1683.6	1753.3	1808.7
22.5°	1093.5	1164.1	1236.5	1316.8	1403.6	1486.6	1565.5	1638.1	1712.0	1787.8	1855.0
25°	1069.9	1133.9	1219.8	1310.8	1397.1	1487.2	1577.8	1668.8	1748.6	1828.7	1891.3
27.5°	1029.7	1110.5	1190.4	1284.4	1380.4	1482.3	1579.1	1674.5	1757.9	1823.8	1862.6
30°	1009.2	1079.4	1166.2	1260.5	1364.4	1474.0	1574.9	1668.4	1746.1	1798.8	1814.5
32.5°	978.8	1051.3	1136.2	1233.9	1343.9	1456.5	1561.7	1649.8	1714.7	1742.3	1723.4
35°	933.8	999.3	1085.0	1185.2	1299.4	1419.4	1523.3	1597.8	1630.9	1604.8	1539.9
37.5°	879.8	944.6	1030.8	1129.1	1247.3	1369.3	1463.2	1516.8	1505.8	1440.9	1344.1
40°	841.8	902.5	984.5	1090.7	1206.0	1328.4	1410.9	1439.8	1409.4	1316.5	1213.6
42.5°	799.7	858.9	941.3	1043.7	1165.8	1278.6	1350.6	1352.9	1302.1	1191.0	1087.6
45°	735.6	792.0	869.8	976.5	1089.3	1195.6	1243.0	1219.8	1125.9	1018.7	914.8
47.5°	672.3	721.2	797.9	899.2	1006.4	1095.8	1119.3	1077.5	977.4	873.3	777.1
50°	626.0	675.3	747.4	844.2	947.5	1024.8	1036.3	980.7	882.6	777.8	702.4
52.5°	581.6	630.5	700.0	789.5	884.2	953.9	954.3	890.1	792.3	698.8	628.7
55°	516.5	560.5	623.1	703.3	787.7	842.2	829.0	762.6	677.7	596.6	535.4
57.5°	453.7	492.0	549.7	616.6	691.0	735.9	713.9	650.0	574.2	505.4	459.1
60°	413.0	449.6	498.9	562.0	624.6	659.7	638.8	580.9	511.2	455.8	415.4
62.5°	373.6	404.5	451.8	506.6	564.6	590.7	572.0	515.0	454.7	404.6	371.8
65°	317.7	342.9	380.8	427.8	470.0	492.2	476.6	423.5	377.5	341.4	315.4
67.5°	265.6	285.2	314.0	351.6	387.4	399.5	385.3	348.3	309.3	280.4	262.1
70°	229.5	248.1	272.2	301.1	332.4	345.3	331.0	301.6	269.8	243.3	225.2
72.5°	198.0	212.4	232.7	257.5	282.0	294.8	285.1	256.8	230.0	210.3	194.9
75°	150.8	163.2	177.4	194.9	213.9	222.4	213.9	194.5	175.9	161.2	150.3
77.5°	109.7	116.3	127.2	140.4	152.2	158.8	151.4	138.2	126.9	116.8	111.5
80°	83.5	88.2	95.8	106.2	114.3	120.5	115.7	104.8	95.8	89.2	86.8
82.5°	60.7	63.9	68.8	76.6	82.0	85.2	83.1	75.2	71.5	65.6	63.2
85°	29.9	31.7	35.1	37.5	42.2	42.7	43.2	39.9	36.6	35.1	33.2
87.5°	11.5	12.5	14.2	15.9	17.8	18.6	18.7	19.1	18.0	17.9	16.7
90°	6.3	9.1	11.9	14.8	17.2	19.3	21.3	23.4	25.4	27.0	28.5
92.5°	28.0	31.2	34.4	37.7	40.0	41.5	42.9	44.3	45.8	46.7	47.6
95°	71.7	74.0	76.3	78.6	80.7	82.5	84.3	86.1	87.9	88.6	89.4
97.5°	123.1	124.9	126.7	128.6	130.5	132.7	134.8	136.9	139.0	139.9	140.9
100°	162.9	164.0	165.0	166.0	167.6	170.0	172.3	174.6	176.9	177.5	178.0
102.5°	204.9	205.3	205.7	206.1	207.3	209.5	211.6	213.7	215.8	216.5	217.2
105°	269.7	270.0	270.2	270.5	271.1	272.2	273.2	274.2	275.3	276.0	276.8
107.5°	338.0	338.3	338.6	338.9	339.1	339.3	339.5	339.7	339.7	340.5	341.2
110°	384.4	385.0	385.5	386.0	386.1	385.8	385.6	385.4	385.1	384.6	384.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	432.1	432.2	432.4	432.5	432.3	431.9	431.3	430.9	430.4	430.3	430.3
115°	504.2	504.2	504.2	504.2	504.0	503.5	502.9	502.4	501.9	501.7	501.4
117.5°	572.4	572.7	572.8	573.0	572.9	572.6	572.2	571.9	571.5	570.6	569.8
120°	618.6	619.6	620.6	621.6	621.8	621.0	620.3	619.5	618.7	617.4	616.2
122.5°	665.1	665.6	665.9	666.4	666.4	666.0	665.7	665.3	664.9	664.1	663.2
125°	734.3	734.3	734.3	734.3	734.2	734.0	733.7	733.4	733.2	732.6	732.2
127.5°	798.3	799.1	799.8	800.6	800.8	800.3	800.0	799.5	799.1	798.6	798.1
130°	842.7	843.5	844.2	845.0	845.3	845.3	845.3	845.3	845.3	844.8	844.4
132.5°	887.8	888.3	888.9	889.5	889.7	889.5	889.2	889.0	888.9	888.3	887.8
135°	948.7	950.2	951.7	953.3	954.0	954.0	954.0	954.0	954.0	953.6	953.1
137.5°	1013.1	1013.8	1014.5	1015.2	1015.8	1016.2	1016.6	1017.0	1017.4	1016.7	1016.1
140°	1056.3	1056.9	1057.4	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.7
142.5°	1096.1	1096.6	1097.2	1097.7	1097.8	1097.6	1097.4	1097.3	1097.0	1097.0	1096.9
145°	1151.7	1152.7	1153.8	1154.8	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2	1155.9
147.5°	1206.5	1207.7	1209.0	1210.1	1210.7	1210.5	1210.3	1210.1	1209.9	1209.7	1209.4
150°	1239.6	1240.6	1241.6	1242.7	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1
152.5°	1270.6	1271.2	1271.8	1272.5	1272.9	1273.1	1273.3	1273.5	1273.7	1274.3	1275.0
155°	1318.3	1318.3	1318.3	1318.3	1318.2	1317.9	1317.7	1317.4	1317.2	1318.2	1319.3
157.5°	1358.6	1358.2	1357.6	1357.2	1356.9	1356.9	1356.8	1356.8	1356.7	1357.5	1358.3
160°	1382.9	1382.6	1382.3	1382.1	1381.8	1381.5	1381.3	1381.1	1380.8	1381.5	1382.3
162.5°	1404.6	1404.0	1403.3	1402.7	1402.2	1401.9	1401.7	1401.4	1401.1	1402.6	1403.9
165°	1434.4	1433.6	1432.8	1432.1	1431.5	1430.9	1430.4	1429.9	1429.3	1430.9	1432.4
167.5°	1457.0	1455.9	1454.8	1453.8	1453.2	1453.3	1453.3	1453.4	1453.4	1455.0	1456.5
170°	1469.7	1468.5	1467.1	1465.9	1465.3	1465.6	1465.9	1466.2	1466.3	1467.9	1469.5
172.5°	1479.2	1478.1	1477.0	1476.0	1475.4	1475.5	1475.5	1475.6	1475.6	1477.4	1479.1
175°	1491.7	1490.4	1489.2	1487.8	1487.0	1486.8	1486.6	1486.3	1486.0	1487.8	1489.6
177.5°	1496.1	1495.0	1494.1	1493.0	1492.5	1492.5	1492.5	1492.5	1492.5	1494.0	1495.4
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1206.7	1207.5	1210.9	1213.5	1214.2	1218.1	1218.4
5°	1312.7	1320.8	1336.4	1337.8	1340.2	1352.5	1343.1
7.5°	1437.0	1457.4	1471.1	1483.2	1487.6	1492.9	1491.8
10°	1516.6	1547.0	1562.2	1586.4	1587.3	1593.5	1589.7
12.5°	1596.7	1632.0	1659.7	1664.1	1684.4	1687.6	1692.9
15°	1710.1	1747.6	1786.0	1799.7	1827.7	1834.4	1844.9
17.5°	1816.8	1855.0	1882.0	1917.5	1929.0	1944.4	1933.9
20°	1875.2	1916.9	1951.1	1979.1	1990.9	1999.4	1998.5
22.5°	1910.5	1952.6	1980.2	2001.4	2012.5	2016.2	2015.9
25°	1932.5	1956.8	1965.2	1973.4	1961.1	1956.8	1958.6
27.5°	1871.1	1864.8	1842.5	1813.3	1783.0	1758.9	1745.8
30°	1786.5	1749.5	1715.8	1657.0	1626.7	1608.6	1592.5
32.5°	1666.6	1608.0	1543.2	1489.3	1454.8	1428.1	1424.1
35°	1461.2	1373.0	1293.8	1227.8	1193.6	1164.8	1158.1
37.5°	1242.2	1150.6	1079.3	1021.3	984.5	964.1	945.0
40°	1096.9	1018.2	948.0	898.7	870.8	856.0	844.2
42.5°	985.0	913.1	843.3	805.7	780.4	771.4	764.5
45°	830.4	763.6	715.2	686.7	672.0	656.8	649.7
47.5°	706.6	652.2	620.3	596.1	580.4	571.4	566.9
50°	636.4	591.8	563.4	544.9	530.7	523.5	519.8
52.5°	574.2	537.6	513.7	499.0	489.4	484.1	482.6
55°	494.6	466.6	451.5	438.7	431.6	426.9	424.9
57.5°	430.0	408.4	396.1	385.6	382.8	378.8	377.5
60°	387.4	370.9	360.4	353.3	351.0	346.2	347.1
62.5°	349.9	336.4	327.4	323.3	320.2	316.2	317.5
65°	296.0	286.0	281.2	277.4	273.7	271.3	273.1
67.5°	248.3	241.5	235.1	232.8	231.0	230.6	228.5
70°	217.2	211.5	205.8	204.4	204.4	202.5	202.1
72.5°	187.3	183.1	179.2	178.3	176.7	177.5	175.5
75°	144.6	141.3	139.9	138.5	138.0	138.0	136.6
77.5°	106.9	104.4	102.2	102.2	100.4	99.8	99.6
80°	81.1	80.2	78.3	78.3	77.3	77.8	76.9
82.5°	61.0	59.7	59.3	58.5	57.2	57.2	56.4
85°	32.7	31.3	30.9	29.4	28.4	29.4	28.4
87.5°	17.4	17.3	17.1	16.5	16.2	16.3	15.2
90°	30.1	31.6	32.6	33.2	33.7	34.2	34.7
92.5°	48.6	49.5	50.1	50.4	50.7	51.0	51.4
95°	90.2	91.0	91.4	91.4	91.4	91.4	91.4
97.5°	141.8	142.7	143.2	143.2	143.2	143.2	143.2
100°	178.5	179.0	179.2	179.2	179.2	179.2	179.2
102.5°	217.9	218.6	219.1	219.4	219.5	219.7	220.0
105°	277.6	278.3	279.1	279.8	280.6	281.4	282.1
107.5°	341.9	342.7	343.0	343.0	342.9	342.9	342.8
110°	383.5	383.1	383.2	384.0	384.7	385.5	386.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	430.2	430.0	430.1	430.2	430.3	430.5	430.7
115°	501.1	500.9	500.6	500.3	500.1	499.8	499.6
117.5°	568.9	568.0	567.3	566.8	566.3	565.8	565.3
120°	614.8	613.6	613.1	613.7	614.2	614.7	615.2
122.5°	662.4	661.5	660.6	659.6	658.7	657.8	656.8
125°	731.6	731.1	730.6	730.1	729.6	729.1	728.5
127.5°	797.5	797.0	796.6	796.2	795.8	795.3	795.0
130°	843.8	843.3	842.6	841.5	840.4	839.5	838.4
132.5°	887.3	886.8	886.4	885.9	885.5	885.1	884.7
135°	952.5	952.0	951.4	950.6	949.9	949.0	948.2
137.5°	1015.5	1014.8	1014.5	1014.7	1014.9	1014.9	1015.1
140°	1057.4	1057.1	1056.9	1056.6	1056.3	1056.1	1055.9
142.5°	1096.9	1096.8	1096.7	1096.7	1096.6	1096.6	1096.5
145°	1155.7	1155.4	1154.9	1154.1	1153.3	1152.6	1151.8
147.5°	1209.2	1209.1	1208.8	1208.5	1208.3	1208.1	1207.8
150°	1243.1	1243.1	1243.0	1242.8	1242.5	1242.2	1242.1
152.5°	1275.6	1276.2	1276.1	1275.5	1274.8	1274.2	1273.5
155°	1320.3	1321.3	1321.3	1320.3	1319.3	1318.2	1317.2
157.5°	1359.1	1359.9	1359.8	1358.9	1358.0	1357.2	1356.3
160°	1383.1	1383.8	1383.6	1382.3	1381.1	1379.7	1378.5
162.5°	1405.3	1406.7	1406.8	1405.4	1404.2	1402.9	1401.6
165°	1434.0	1435.6	1435.8	1434.8	1433.7	1432.7	1431.6
167.5°	1458.0	1459.6	1459.6	1457.9	1456.3	1454.8	1453.2
170°	1471.0	1472.6	1472.4	1470.6	1468.8	1467.0	1465.3
172.5°	1480.9	1482.6	1482.6	1480.8	1479.0	1477.2	1475.4
175°	1491.4	1493.3	1493.3	1491.4	1489.6	1487.8	1486.0
177.5°	1496.8	1498.3	1498.2	1496.6	1494.9	1493.3	1491.6
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3

(END OF REPORT)