

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: P332616-940

Luminaire Tested: **SA4XXDIP-C795D1205U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332616-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

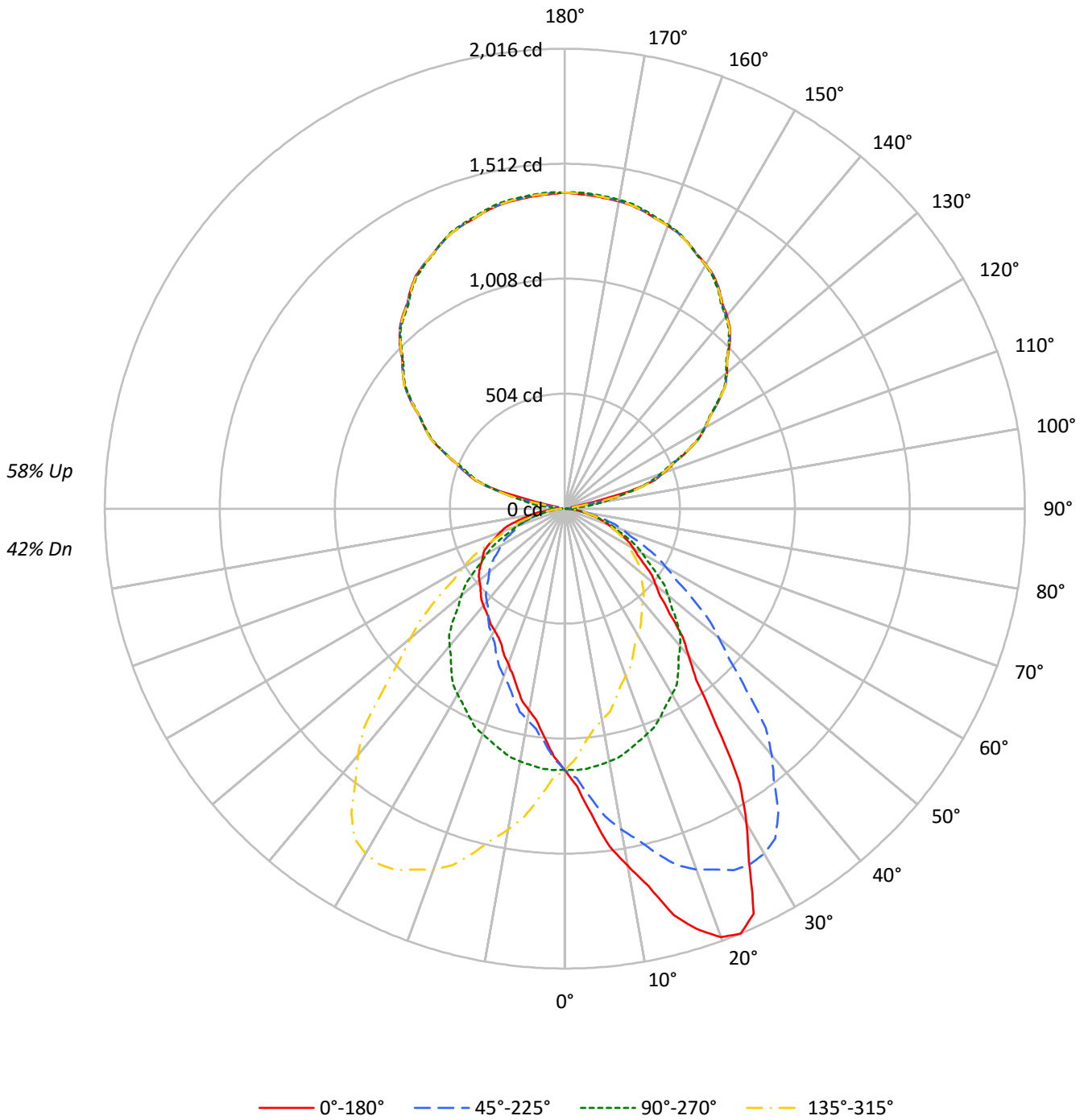
Lumens per Lamp: N/A
Luminaire Lumens: 7447.8 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 56.9
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	42				
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36				
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	34	32	30	26				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	28	26	23				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16	14				
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11				

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	4.6
20°-30°	545.1	7.3
30°-40°	606.7	8.1
40°-50°	552.2	7.4
50°-60°	451.3	6.1
60°-70°	322.2	4.3
70°-80°	177.4	2.4
80°-90°	52.4	0.7
90°-100°	47.4	0.6
100°-110°	302.1	4.1
110°-120°	577.9	7.8
120°-130°	733.6	9.9
130°-140°	784.9	10.5
140°-150°	734.0	9.9
150°-160°	591.9	7.9
160°-170°	381.8	5.1
170°-180°	131.6	1.8
0°-30°	1000.4	13.4
0°-40°	1607.1	21.6
0°-60°	2610.6	35.1
0°-90°	3162.6	42.5
90°-120°	927.4	12.5
90°-150°	3179.9	42.7
90°-180°	4285.0	57.5
0°-180°	7447.8	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	35
90°	31	3	31	3	31	14
95°	30	57	30	57	30	24
105°	295	312	295	312	295	258
115°	586	582	586	582	586	580
125°	825	818	825	818	825	734
135°	1023	1015	1023	1015	1023	787
145°	1177	1171	1177	1171	1177	736
155°	1283	1284	1283	1284	1283	591
165°	1348	1354	1348	1354	1348	381
175°	1377	1385	1377	1385	1377	131
180°	1385	1385	1385	1385	1385	



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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°	14.5	15.6	15.5	15.8	16.5	16.7	16.8	16.1	17.4	17.5	18.6
90°	31.1	30.6	30.1	29.7	29.2	28.4	26.9	25.6	24.2	22.8	21.0
92.5°	28.6	28.5	28.4	28.4	28.3	27.5	26.1	24.7	23.4	21.9	20.2
95°	30.1	29.8	29.6	29.3	29.2	28.4	26.9	25.6	24.2	22.8	22.6
97.5°	29.0	28.8	28.5	28.4	28.1	27.9	27.7	27.6	27.5	27.4	53.1
100°	29.0	28.8	28.5	28.4	28.1	30.0	33.9	37.7	41.6	45.6	77.4
102.5°	29.9	29.8	29.8	29.7	29.7	50.7	93.0	135.2	177.5	219.6	223.8
105°	295.3	303.6	311.8	320.1	328.4	331.5	329.5	327.4	325.4	323.2	322.1
107.5°	411.5	410.6	409.8	408.9	408.0	407.1	406.1	405.1	404.0	403.1	401.4
110°	462.1	461.5	460.7	460.0	459.3	458.8	458.3	457.9	457.4	456.9	455.6



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	512.6	511.8	511.0	510.1	509.2	508.8	508.9	509.0	509.1	509.2	508.5
115°	586.5	586.5	586.5	586.5	586.5	586.2	585.8	585.3	584.9	584.3	584.6
117.5°	661.5	661.6	661.6	661.7	661.8	661.9	662.0	662.1	662.2	662.3	661.8
120°	708.7	709.2	709.6	710.1	710.5	710.5	710.1	709.6	709.2	708.7	708.9
122.5°	755.1	755.5	756.1	756.5	757.0	757.1	756.8	756.5	756.3	756.0	755.6
125°	824.7	824.6	824.3	824.0	823.9	823.4	822.7	822.0	821.3	820.6	821.1
127.5°	885.9	886.1	886.3	886.4	886.6	886.8	886.9	887.1	887.2	887.3	886.3
130°	927.3	927.3	927.3	927.3	927.3	927.2	927.0	926.8	926.5	926.3	925.6
132.5°	965.5	965.6	965.8	966.0	966.2	966.2	966.0	965.7	965.5	965.3	964.4
135°	1022.6	1022.2	1021.7	1021.3	1020.8	1020.4	1019.8	1019.4	1019.0	1018.5	1017.6
137.5°	1071.6	1071.7	1071.8	1072.0	1072.1	1071.9	1071.4	1070.9	1070.4	1069.9	1068.9
140°	1105.5	1105.3	1105.1	1104.8	1104.7	1104.2	1103.5	1102.8	1102.1	1101.4	1100.9
142.5°	1133.7	1133.7	1133.6	1133.6	1133.5	1133.3	1132.7	1132.3	1131.8	1131.2	1131.0
145°	1177.1	1176.6	1176.1	1175.6	1175.2	1174.8	1174.7	1174.4	1174.2	1173.9	1173.9
147.5°	1212.9	1212.6	1212.5	1212.2	1211.9	1211.7	1211.6	1211.4	1211.2	1211.0	1211.2
150°	1236.1	1235.9	1235.6	1235.4	1235.2	1235.0	1235.0	1235.0	1235.0	1235.0	1235.3
152.5°	1256.0	1256.2	1256.2	1256.4	1256.5	1256.4	1256.1	1255.7	1255.4	1255.0	1255.4
155°	1282.7	1283.4	1284.1	1284.8	1285.5	1285.4	1284.4	1283.5	1282.6	1281.7	1282.4
157.5°	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9	1308.7	1307.5	1306.3	1305.1	1305.9
160°	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5	1324.2	1322.8	1321.4	1320.0	1320.3
162.5°	1331.6	1333.2	1334.8	1336.3	1337.9	1338.0	1336.6	1335.2	1333.8	1332.5	1332.7
165°	1348.0	1350.1	1352.1	1354.2	1356.3	1356.4	1354.6	1352.7	1350.9	1349.1	1349.1
167.5°	1360.2	1362.5	1364.9	1367.2	1369.4	1369.6	1367.5	1365.6	1363.5	1361.5	1361.6
170°	1367.7	1370.0	1372.3	1374.6	1376.9	1377.2	1375.3	1373.4	1371.6	1369.8	1369.5
172.5°	1371.8	1374.3	1376.8	1379.3	1381.8	1382.1	1380.3	1378.4	1376.5	1374.8	1374.5
175°	1377.0	1379.7	1382.5	1385.3	1388.0	1388.4	1386.3	1384.3	1382.2	1380.1	1379.9
177.5°	1380.4	1382.5	1384.7	1387.0	1389.2	1389.6	1388.0	1386.6	1385.1	1383.7	1383.3
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	18.3	18.3	17.5	15.5	13.9	12.2	11.4	10.5	11.4	12.2	13.1
90°	19.1	17.3	15.4	13.2	10.7	8.2	5.6	3.1	5.6	8.2	10.7
92.5°	18.3	16.4	14.6	13.6	13.5	13.4	13.2	13.0	13.2	13.4	13.5
95°	22.3	22.1	21.8	25.7	33.5	41.3	49.1	57.0	49.1	41.3	33.5
97.5°	78.7	104.4	130.1	140.5	135.6	130.8	125.9	121.0	125.9	130.8	135.6
100°	109.1	140.9	172.7	186.5	182.4	178.3	174.1	170.0	174.1	178.3	182.4
102.5°	227.9	232.1	236.2	236.7	233.7	230.7	227.7	224.6	227.7	230.7	233.7
105°	320.9	319.9	318.7	317.4	316.0	314.6	313.3	311.8	313.3	314.6	316.0
107.5°	399.9	398.3	396.8	395.7	394.9	394.3	393.6	392.9	393.6	394.3	394.9
110°	454.1	452.8	451.4	450.4	449.7	449.0	448.3	447.6	448.3	449.0	449.7



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	507.8	507.2	506.6	505.6	504.4	503.1	501.9	500.7	501.9	503.1	504.4
115°	584.9	585.1	585.3	585.1	584.3	583.7	583.0	582.3	583.0	583.7	584.3
117.5°	661.3	660.8	660.2	659.5	658.6	657.7	656.7	655.9	656.7	657.7	658.6
120°	709.2	709.4	709.6	709.3	708.4	707.5	706.5	705.6	706.5	707.5	708.4
122.5°	755.3	755.0	754.7	754.2	753.7	753.1	752.6	752.0	752.6	753.1	753.7
125°	821.5	822.0	822.4	822.2	821.3	820.4	819.5	818.5	819.5	820.4	821.3
127.5°	885.2	884.1	883.1	882.4	882.3	882.0	881.7	881.5	881.7	882.0	882.3
130°	924.9	924.3	923.5	923.1	922.8	922.7	922.4	922.1	922.4	922.7	922.8
132.5°	963.5	962.6	961.8	961.1	960.7	960.3	959.8	959.5	959.8	960.3	960.7
135°	1016.6	1015.7	1014.9	1014.5	1014.7	1014.9	1015.2	1015.4	1015.2	1014.9	1014.7
137.5°	1067.9	1066.8	1065.9	1065.3	1065.2	1065.1	1065.1	1065.0	1065.1	1065.1	1065.2
140°	1100.5	1100.0	1099.6	1099.1	1098.7	1098.1	1097.7	1097.3	1097.7	1098.1	1098.7
142.5°	1130.7	1130.4	1130.2	1129.6	1128.7	1127.9	1127.1	1126.2	1127.1	1127.9	1128.7
145°	1173.9	1173.9	1173.9	1173.6	1172.9	1172.2	1171.5	1170.8	1171.5	1172.2	1172.9
147.5°	1211.5	1211.7	1211.9	1211.4	1210.1	1208.8	1207.6	1206.2	1207.6	1208.8	1210.1
150°	1235.6	1235.7	1236.0	1235.6	1234.8	1233.8	1232.9	1232.0	1232.9	1233.8	1234.8
152.5°	1255.8	1256.2	1256.6	1256.4	1255.7	1255.0	1254.3	1253.5	1254.3	1255.0	1255.7
155°	1283.1	1283.8	1284.4	1284.7	1284.4	1284.2	1284.0	1283.8	1284.0	1284.2	1284.4
157.5°	1306.7	1307.4	1308.2	1308.7	1308.9	1308.9	1309.1	1309.2	1309.1	1308.9	1308.9
160°	1320.4	1320.7	1321.0	1321.4	1322.1	1322.8	1323.5	1324.2	1323.5	1322.8	1322.1
162.5°	1332.9	1333.1	1333.4	1333.9	1334.8	1335.7	1336.6	1337.4	1336.6	1335.7	1334.8
165°	1349.1	1349.1	1349.1	1349.6	1350.8	1351.9	1353.1	1354.2	1353.1	1351.9	1350.8
167.5°	1361.7	1361.9	1362.0	1362.7	1363.9	1365.1	1366.3	1367.4	1366.3	1365.1	1363.9
170°	1369.3	1369.0	1368.9	1369.4	1370.8	1372.2	1373.6	1374.9	1373.6	1372.2	1370.8
172.5°	1374.3	1374.0	1373.8	1374.4	1375.7	1377.2	1378.5	1379.9	1378.5	1377.2	1375.7
175°	1379.7	1379.4	1379.2	1379.7	1381.2	1382.5	1383.9	1385.3	1383.9	1382.5	1381.2
177.5°	1382.9	1382.5	1382.2	1382.6	1383.9	1385.2	1386.5	1387.8	1386.5	1385.2	1383.9
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	14.8	15.2	17.1	18.3	19.7	22.0	23.0	27.5	29.2	31.5	35.0
90°	13.2	15.4	17.3	19.1	21.0	22.8	24.2	25.6	26.9	28.4	29.2
92.5°	13.6	14.6	16.4	18.3	20.2	21.9	23.4	24.7	26.1	27.5	28.3
95°	25.7	21.8	22.1	22.3	22.6	22.8	24.2	25.6	26.9	28.4	29.2
97.5°	140.5	130.1	104.4	78.7	53.1	27.4	27.5	27.6	27.7	27.9	28.1
100°	186.5	172.7	140.9	109.1	77.4	45.6	41.6	37.7	33.9	30.0	28.1
102.5°	236.7	236.2	232.1	227.9	223.8	219.6	177.5	135.2	93.0	50.7	29.7
105°	317.4	318.7	319.9	320.9	322.1	323.2	325.4	327.4	329.5	331.5	328.4
107.5°	395.7	396.8	398.3	399.9	401.4	403.1	404.0	405.1	406.1	407.1	408.0
110°	450.4	451.4	452.8	454.1	455.6	456.9	457.4	457.9	458.3	458.8	459.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	505.6	506.6	507.2	507.8	508.5	509.2	509.1	509.0	508.9	508.8	509.2
115°	585.1	585.3	585.1	584.9	584.6	584.3	584.9	585.3	585.8	586.2	586.5
117.5°	659.5	660.2	660.8	661.3	661.8	662.3	662.2	662.1	662.0	661.9	661.8
120°	709.3	709.6	709.4	709.2	708.9	708.7	709.2	709.6	710.1	710.5	710.5
122.5°	754.2	754.7	755.0	755.3	755.6	756.0	756.3	756.5	756.8	757.1	757.0
125°	822.2	822.4	822.0	821.5	821.1	820.6	821.3	822.0	822.7	823.4	823.9
127.5°	882.4	883.1	884.1	885.2	886.3	887.3	887.2	887.1	886.9	886.8	886.6
130°	923.1	923.5	924.3	924.9	925.6	926.3	926.5	926.8	927.0	927.2	927.3
132.5°	961.1	961.8	962.6	963.5	964.4	965.3	965.5	965.7	966.0	966.2	966.2
135°	1014.5	1014.9	1015.7	1016.6	1017.6	1018.5	1019.0	1019.4	1019.8	1020.4	1020.8
137.5°	1065.3	1065.9	1066.8	1067.9	1068.9	1069.9	1070.4	1070.9	1071.4	1071.9	1072.1
140°	1099.1	1099.6	1100.0	1100.5	1100.9	1101.4	1102.1	1102.8	1103.5	1104.2	1104.7
142.5°	1129.6	1130.2	1130.4	1130.7	1131.0	1131.2	1131.8	1132.3	1132.7	1133.3	1133.5
145°	1173.6	1173.9	1173.9	1173.9	1173.9	1173.9	1174.2	1174.4	1174.7	1174.8	1175.2
147.5°	1211.4	1211.9	1211.7	1211.5	1211.2	1211.0	1211.2	1211.4	1211.6	1211.7	1211.9
150°	1235.6	1236.0	1235.7	1235.6	1235.3	1235.0	1235.0	1235.0	1235.0	1235.0	1235.2
152.5°	1256.4	1256.6	1256.2	1255.8	1255.4	1255.0	1255.4	1255.7	1256.1	1256.4	1256.5
155°	1284.7	1284.4	1283.8	1283.1	1282.4	1281.7	1282.6	1283.5	1284.4	1285.4	1285.5
157.5°	1308.7	1308.2	1307.4	1306.7	1305.9	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9
160°	1321.4	1321.0	1320.7	1320.4	1320.3	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5
162.5°	1333.9	1333.4	1333.1	1332.9	1332.7	1332.5	1333.8	1335.2	1336.6	1338.0	1337.9
165°	1349.6	1349.1	1349.1	1349.1	1349.1	1349.1	1350.9	1352.7	1354.6	1356.4	1356.3
167.5°	1362.7	1362.0	1361.9	1361.7	1361.6	1361.5	1363.5	1365.6	1367.5	1369.6	1369.4
170°	1369.4	1368.9	1369.0	1369.3	1369.5	1369.8	1371.6	1373.4	1375.3	1377.2	1376.9
172.5°	1374.4	1373.8	1374.0	1374.3	1374.5	1374.8	1376.5	1378.4	1380.3	1382.1	1381.8
175°	1379.7	1379.2	1379.4	1379.7	1379.9	1380.1	1382.2	1384.3	1386.3	1388.4	1388.0
177.5°	1382.6	1382.2	1382.5	1382.9	1383.3	1383.7	1385.1	1386.6	1388.0	1389.6	1389.2
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	36.3	36.7	38.0	38.9	38.0	36.7	36.3	35.0	31.5	29.2	27.5
90°	29.7	30.1	30.6	31.1	30.6	30.1	29.7	29.2	28.4	26.9	25.6
92.5°	28.4	28.4	28.5	28.6	28.5	28.4	28.4	28.3	27.5	26.1	24.7
95°	29.3	29.6	29.8	30.1	29.8	29.6	29.3	29.2	28.4	26.9	25.6
97.5°	28.4	28.5	28.8	29.0	28.8	28.5	28.4	28.1	27.9	27.7	27.6
100°	28.4	28.5	28.8	29.0	28.8	28.5	28.4	28.1	30.0	33.9	37.7
102.5°	29.7	29.8	29.8	29.9	29.8	29.8	29.7	29.7	50.7	93.0	135.2
105°	320.1	311.8	303.6	295.3	303.6	311.8	320.1	328.4	331.5	329.5	327.4
107.5°	408.9	409.8	410.6	411.5	410.6	409.8	408.9	408.0	407.1	406.1	405.1
110°	460.0	460.7	461.5	462.1	461.5	460.7	460.0	459.3	458.8	458.3	457.9



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	510.1	511.0	511.8	512.6	511.8	511.0	510.1	509.2	508.8	508.9	509.0
115°	586.5	586.5	586.5	586.5	586.5	586.5	586.5	586.5	586.2	585.8	585.3
117.5°	661.7	661.6	661.6	661.5	661.6	661.6	661.7	661.8	661.9	662.0	662.1
120°	710.1	709.6	709.2	708.7	709.2	709.6	710.1	710.5	710.5	710.1	709.6
122.5°	756.5	756.1	755.5	755.1	755.5	756.1	756.5	757.0	757.1	756.8	756.5
125°	824.0	824.3	824.6	824.7	824.6	824.3	824.0	823.9	823.4	822.7	822.0
127.5°	886.4	886.3	886.1	885.9	886.1	886.3	886.4	886.6	886.8	886.9	887.1
130°	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.2	927.0	926.8
132.5°	966.0	965.8	965.6	965.5	965.6	965.8	966.0	966.2	966.2	966.0	965.7
135°	1021.3	1021.7	1022.2	1022.6	1022.2	1021.7	1021.3	1020.8	1020.4	1019.8	1019.4
137.5°	1072.0	1071.8	1071.7	1071.6	1071.7	1071.8	1072.0	1072.1	1071.9	1071.4	1070.9
140°	1104.8	1105.1	1105.3	1105.5	1105.3	1105.1	1104.8	1104.7	1104.2	1103.5	1102.8
142.5°	1133.6	1133.6	1133.7	1133.7	1133.7	1133.6	1133.6	1133.5	1133.3	1132.7	1132.3
145°	1175.6	1176.1	1176.6	1177.1	1176.6	1176.1	1175.6	1175.2	1174.8	1174.7	1174.4
147.5°	1212.2	1212.5	1212.6	1212.9	1212.6	1212.5	1212.2	1211.9	1211.7	1211.6	1211.4
150°	1235.4	1235.6	1235.9	1236.1	1235.9	1235.6	1235.4	1235.2	1235.0	1235.0	1235.0
152.5°	1256.4	1256.2	1256.2	1256.0	1256.2	1256.2	1256.4	1256.5	1256.4	1256.1	1255.7
155°	1284.8	1284.1	1283.4	1282.7	1283.4	1284.1	1284.8	1285.5	1285.4	1284.4	1283.5
157.5°	1308.7	1307.5	1306.3	1305.1	1306.3	1307.5	1308.7	1309.9	1309.9	1308.7	1307.5
160°	1324.2	1322.8	1321.4	1320.0	1321.4	1322.8	1324.2	1325.5	1325.5	1324.2	1322.8
162.5°	1336.3	1334.8	1333.2	1331.6	1333.2	1334.8	1336.3	1337.9	1338.0	1336.6	1335.2
165°	1354.2	1352.1	1350.1	1348.0	1350.1	1352.1	1354.2	1356.3	1356.4	1354.6	1352.7
167.5°	1367.2	1364.9	1362.5	1360.2	1362.5	1364.9	1367.2	1369.4	1369.6	1367.5	1365.6
170°	1374.6	1372.3	1370.0	1367.7	1370.0	1372.3	1374.6	1376.9	1377.2	1375.3	1373.4
172.5°	1379.3	1376.8	1374.3	1371.8	1374.3	1376.8	1379.3	1381.8	1382.1	1380.3	1378.4
175°	1385.3	1382.5	1379.7	1377.0	1379.7	1382.5	1385.3	1388.0	1388.4	1386.3	1384.3
177.5°	1387.0	1384.7	1382.5	1380.4	1382.5	1384.7	1387.0	1389.2	1389.6	1388.0	1386.6
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	23.0	22.0	19.7	18.3	17.1	15.2	14.8	13.1	12.2	11.4	10.5
90°	24.2	22.8	21.0	19.1	17.3	15.4	13.2	10.7	8.2	5.6	3.1
92.5°	23.4	21.9	20.2	18.3	16.4	14.6	13.6	13.5	13.4	13.2	13.0
95°	24.2	22.8	22.6	22.3	22.1	21.8	25.7	33.5	41.3	49.1	57.0
97.5°	27.5	27.4	53.1	78.7	104.4	130.1	140.5	135.6	130.8	125.9	121.0
100°	41.6	45.6	77.4	109.1	140.9	172.7	186.5	182.4	178.3	174.1	170.0
102.5°	177.5	219.6	223.8	227.9	232.1	236.2	236.7	233.7	230.7	227.7	224.6
105°	325.4	323.2	322.1	320.9	319.9	318.7	317.4	316.0	314.6	313.3	311.8
107.5°	404.0	403.1	401.4	399.9	398.3	396.8	395.7	394.9	394.3	393.6	392.9
110°	457.4	456.9	455.6	454.1	452.8	451.4	450.4	449.7	449.0	448.3	447.6



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	509.1	509.2	508.5	507.8	507.2	506.6	505.6	504.4	503.1	501.9	500.7
115°	584.9	584.3	584.6	584.9	585.1	585.3	585.1	584.3	583.7	583.0	582.3
117.5°	662.2	662.3	661.8	661.3	660.8	660.2	659.5	658.6	657.7	656.7	655.9
120°	709.2	708.7	708.9	709.2	709.4	709.6	709.3	708.4	707.5	706.5	705.6
122.5°	756.3	756.0	755.6	755.3	755.0	754.7	754.2	753.7	753.1	752.6	752.0
125°	821.3	820.6	821.1	821.5	822.0	822.4	822.2	821.3	820.4	819.5	818.5
127.5°	887.2	887.3	886.3	885.2	884.1	883.1	882.4	882.3	882.0	881.7	881.5
130°	926.5	926.3	925.6	924.9	924.3	923.5	923.1	922.8	922.7	922.4	922.1
132.5°	965.5	965.3	964.4	963.5	962.6	961.8	961.1	960.7	960.3	959.8	959.5
135°	1019.0	1018.5	1017.6	1016.6	1015.7	1014.9	1014.5	1014.7	1014.9	1015.2	1015.4
137.5°	1070.4	1069.9	1068.9	1067.9	1066.8	1065.9	1065.3	1065.2	1065.1	1065.1	1065.0
140°	1102.1	1101.4	1100.9	1100.5	1100.0	1099.6	1099.1	1098.7	1098.1	1097.7	1097.3
142.5°	1131.8	1131.2	1131.0	1130.7	1130.4	1130.2	1129.6	1128.7	1127.9	1127.1	1126.2
145°	1174.2	1173.9	1173.9	1173.9	1173.9	1173.9	1173.6	1172.9	1172.2	1171.5	1170.8
147.5°	1211.2	1211.0	1211.2	1211.5	1211.7	1211.9	1211.4	1210.1	1208.8	1207.6	1206.2
150°	1235.0	1235.0	1235.3	1235.6	1235.7	1236.0	1235.6	1234.8	1233.8	1232.9	1232.0
152.5°	1255.4	1255.0	1255.4	1255.8	1256.2	1256.6	1256.4	1255.7	1255.0	1254.3	1253.5
155°	1282.6	1281.7	1282.4	1283.1	1283.8	1284.4	1284.7	1284.4	1284.2	1284.0	1283.8
157.5°	1306.3	1305.1	1305.9	1306.7	1307.4	1308.2	1308.7	1308.9	1308.9	1309.1	1309.2
160°	1321.4	1320.0	1320.3	1320.4	1320.7	1321.0	1321.4	1322.1	1322.8	1323.5	1324.2
162.5°	1333.8	1332.5	1332.7	1332.9	1333.1	1333.4	1333.9	1334.8	1335.7	1336.6	1337.4
165°	1350.9	1349.1	1349.1	1349.1	1349.1	1349.1	1349.6	1350.8	1351.9	1353.1	1354.2
167.5°	1363.5	1361.5	1361.6	1361.7	1361.9	1362.0	1362.7	1363.9	1365.1	1366.3	1367.4
170°	1371.6	1369.8	1369.5	1369.3	1369.0	1368.9	1369.4	1370.8	1372.2	1373.6	1374.9
172.5°	1376.5	1374.8	1374.5	1374.3	1374.0	1373.8	1374.4	1375.7	1377.2	1378.5	1379.9
175°	1382.2	1380.1	1379.9	1379.7	1379.4	1379.2	1379.7	1381.2	1382.5	1383.9	1385.3
177.5°	1385.1	1383.7	1383.3	1382.9	1382.5	1382.2	1382.6	1383.9	1385.2	1386.5	1387.8
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	11.4	12.2	13.9	15.5	17.5	18.3	18.3	18.6	17.5	17.4	16.1
90°	5.6	8.2	10.7	13.2	15.4	17.3	19.1	21.0	22.8	24.2	25.6
92.5°	13.2	13.4	13.5	13.6	14.6	16.4	18.3	20.2	21.9	23.4	24.7
95°	49.1	41.3	33.5	25.7	21.8	22.1	22.3	22.6	22.8	24.2	25.6
97.5°	125.9	130.8	135.6	140.5	130.1	104.4	78.7	53.1	27.4	27.5	27.6
100°	174.1	178.3	182.4	186.5	172.7	140.9	109.1	77.4	45.6	41.6	37.7
102.5°	227.7	230.7	233.7	236.7	236.2	232.1	227.9	223.8	219.6	177.5	135.2
105°	313.3	314.6	316.0	317.4	318.7	319.9	320.9	322.1	323.2	325.4	327.4
107.5°	393.6	394.3	394.9	395.7	396.8	398.3	399.9	401.4	403.1	404.0	405.1
110°	448.3	449.0	449.7	450.4	451.4	452.8	454.1	455.6	456.9	457.4	457.9



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	501.9	503.1	504.4	505.6	506.6	507.2	507.8	508.5	509.2	509.1	509.0
115°	583.0	583.7	584.3	585.1	585.3	585.1	584.9	584.6	584.3	584.9	585.3
117.5°	656.7	657.7	658.6	659.5	660.2	660.8	661.3	661.8	662.3	662.2	662.1
120°	706.5	707.5	708.4	709.3	709.6	709.4	709.2	708.9	708.7	709.2	709.6
122.5°	752.6	753.1	753.7	754.2	754.7	755.0	755.3	755.6	756.0	756.3	756.5
125°	819.5	820.4	821.3	822.2	822.4	822.0	821.5	821.1	820.6	821.3	822.0
127.5°	881.7	882.0	882.3	882.4	883.1	884.1	885.2	886.3	887.3	887.2	887.1
130°	922.4	922.7	922.8	923.1	923.5	924.3	924.9	925.6	926.3	926.5	926.8
132.5°	959.8	960.3	960.7	961.1	961.8	962.6	963.5	964.4	965.3	965.5	965.7
135°	1015.2	1014.9	1014.7	1014.5	1014.9	1015.7	1016.6	1017.6	1018.5	1019.0	1019.4
137.5°	1065.1	1065.1	1065.2	1065.3	1065.9	1066.8	1067.9	1068.9	1069.9	1070.4	1070.9
140°	1097.7	1098.1	1098.7	1099.1	1099.6	1100.0	1100.5	1100.9	1101.4	1102.1	1102.8
142.5°	1127.1	1127.9	1128.7	1129.6	1130.2	1130.4	1130.7	1131.0	1131.2	1131.8	1132.3
145°	1171.5	1172.2	1172.9	1173.6	1173.9	1173.9	1173.9	1173.9	1173.9	1174.2	1174.4
147.5°	1207.6	1208.8	1210.1	1211.4	1211.9	1211.7	1211.5	1211.2	1211.0	1211.2	1211.4
150°	1232.9	1233.8	1234.8	1235.6	1236.0	1235.7	1235.6	1235.3	1235.0	1235.0	1235.0
152.5°	1254.3	1255.0	1255.7	1256.4	1256.6	1256.2	1255.8	1255.4	1255.0	1255.4	1255.7
155°	1284.0	1284.2	1284.4	1284.7	1284.4	1283.8	1283.1	1282.4	1281.7	1282.6	1283.5
157.5°	1309.1	1308.9	1308.9	1308.7	1308.2	1307.4	1306.7	1305.9	1305.1	1306.3	1307.5
160°	1323.5	1322.8	1322.1	1321.4	1321.0	1320.7	1320.4	1320.3	1320.0	1321.4	1322.8
162.5°	1336.6	1335.7	1334.8	1333.9	1333.4	1333.1	1332.9	1332.7	1332.5	1333.8	1335.2
165°	1353.1	1351.9	1350.8	1349.6	1349.1	1349.1	1349.1	1349.1	1349.1	1350.9	1352.7
167.5°	1366.3	1365.1	1363.9	1362.7	1362.0	1361.9	1361.7	1361.6	1361.5	1363.5	1365.6
170°	1373.6	1372.2	1370.8	1369.4	1368.9	1369.0	1369.3	1369.5	1369.8	1371.6	1373.4
172.5°	1378.5	1377.2	1375.7	1374.4	1373.8	1374.0	1374.3	1374.5	1374.8	1376.5	1378.4
175°	1383.9	1382.5	1381.2	1379.7	1379.2	1379.4	1379.7	1379.9	1380.1	1382.2	1384.3
177.5°	1386.5	1385.2	1383.9	1382.6	1382.2	1382.5	1382.9	1383.3	1383.7	1385.1	1386.6
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

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°	16.8	16.7	16.5	15.8	15.5	15.6	14.5
90°	26.9	28.4	29.2	29.7	30.1	30.6	31.1
92.5°	26.1	27.5	28.3	28.4	28.4	28.5	28.6
95°	26.9	28.4	29.2	29.3	29.6	29.8	30.1
97.5°	27.7	27.9	28.1	28.4	28.5	28.8	29.0
100°	33.9	30.0	28.1	28.4	28.5	28.8	29.0
102.5°	93.0	50.7	29.7	29.7	29.8	29.8	29.9
105°	329.5	331.5	328.4	320.1	311.8	303.6	295.3
107.5°	406.1	407.1	408.0	408.9	409.8	410.6	411.5
110°	458.3	458.8	459.3	460.0	460.7	461.5	462.1



TEST NUMBER: P332616-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	508.9	508.8	509.2	510.1	511.0	511.8	512.6
115°	585.8	586.2	586.5	586.5	586.5	586.5	586.5
117.5°	662.0	661.9	661.8	661.7	661.6	661.6	661.5
120°	710.1	710.5	710.5	710.1	709.6	709.2	708.7
122.5°	756.8	757.1	757.0	756.5	756.1	755.5	755.1
125°	822.7	823.4	823.9	824.0	824.3	824.6	824.7
127.5°	886.9	886.8	886.6	886.4	886.3	886.1	885.9
130°	927.0	927.2	927.3	927.3	927.3	927.3	927.3
132.5°	966.0	966.2	966.2	966.0	965.8	965.6	965.5
135°	1019.8	1020.4	1020.8	1021.3	1021.7	1022.2	1022.6
137.5°	1071.4	1071.9	1072.1	1072.0	1071.8	1071.7	1071.6
140°	1103.5	1104.2	1104.7	1104.8	1105.1	1105.3	1105.5
142.5°	1132.7	1133.3	1133.5	1133.6	1133.6	1133.7	1133.7
145°	1174.7	1174.8	1175.2	1175.6	1176.1	1176.6	1177.1
147.5°	1211.6	1211.7	1211.9	1212.2	1212.5	1212.6	1212.9
150°	1235.0	1235.0	1235.2	1235.4	1235.6	1235.9	1236.1
152.5°	1256.1	1256.4	1256.5	1256.4	1256.2	1256.2	1256.0
155°	1284.4	1285.4	1285.5	1284.8	1284.1	1283.4	1282.7
157.5°	1308.7	1309.9	1309.9	1308.7	1307.5	1306.3	1305.1
160°	1324.2	1325.5	1325.5	1324.2	1322.8	1321.4	1320.0
162.5°	1336.6	1338.0	1337.9	1336.3	1334.8	1333.2	1331.6
165°	1354.6	1356.4	1356.3	1354.2	1352.1	1350.1	1348.0
167.5°	1367.5	1369.6	1369.4	1367.2	1364.9	1362.5	1360.2
170°	1375.3	1377.2	1376.9	1374.6	1372.3	1370.0	1367.7
172.5°	1380.3	1382.1	1381.8	1379.3	1376.8	1374.3	1371.8
175°	1386.3	1388.4	1388.0	1385.3	1382.5	1379.7	1377.0
177.5°	1388.0	1389.6	1389.2	1387.0	1384.7	1382.5	1380.4
180°	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3	1385.3

(END OF REPORT)