

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: P331676-940

Luminaire Tested: **SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331676-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

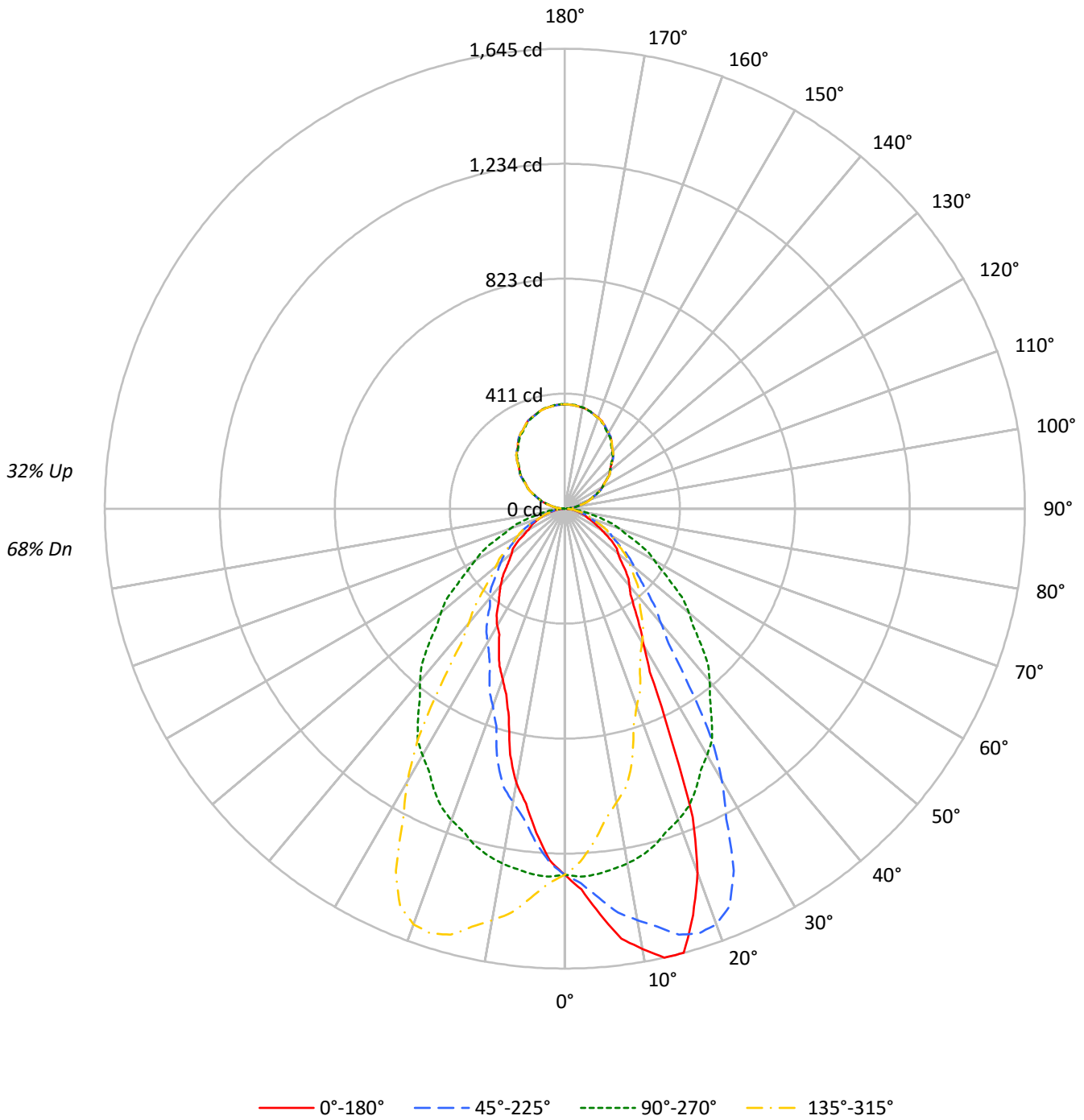
Lumens per Lamp: N/A
Luminaire Lumens: 3309.3 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	68				
1	103	99	95	92	97	94	90	88	84	81	79	75	73	71	66	65	64	60				
2	95	88	82	77	89	83	78	74	75	71	67	67	64	61	60	57	55	52				
3	87	78	71	66	82	74	68	63	67	62	58	60	56	53	54	51	49	45				
4	80	70	63	57	76	67	60	55	60	55	51	55	50	47	49	46	43	40				
5	74	63	56	50	70	60	53	48	55	49	45	50	45	41	45	41	38	36				
6	69	57	50	44	65	55	48	43	50	44	40	46	41	37	41	37	34	32				
7	64	52	45	39	61	50	43	38	46	40	36	42	37	33	38	34	31	29				
8	60	48	41	35	57	46	39	34	42	37	32	39	34	30	35	31	28	26				
9	56	44	37	32	53	43	36	31	39	33	30	36	31	28	33	29	26	24				
10	53	41	34	29	50	39	33	29	36	31	27	34	29	26	31	27	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21151	21151	21151	21151
5°	23622	21284	18870	21284
10°	26209	21135	16357	21135
15°	27497	20824	12889	20824
20°	23838	20366	11153	20366
25°	15634	19737	9957	19737
30°	10524	18975	9012	18975
35°	8523	18015	8129	18015
40°	7579	16971	7522	16971
45°	6859	15746	6715	15746
50°	6242	14531	6219	14531
55°	5869	13185	5790	13185
60°	4908	11951	4850	11951
65°	4138	10850	4695	10850
70°	3829	9692	4428	9692
75°	3575	8434	4086	8434
80°	3301	6936	3636	6936
85°	3038	5483	3205	5483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	3.8
10°-20°	346.0	10.5
20°-30°	445.9	13.5
30°-40°	423.7	12.8
40°-50°	363.0	11.0
50°-60°	276.4	8.4
60°-70°	174.7	5.3
70°-80°	87.3	2.6
80°-90°	24.2	0.7
90°-100°	23.7	0.7
100°-110°	73.5	2.2
110°-120°	125.6	3.8
120°-130°	165.1	5.0
130°-140°	185.4	5.6
140°-150°	181.8	5.5
150°-160°	152.4	4.6
160°-170°	101.1	3.1
170°-180°	35.3	1.1
0°-30°	916.1	27.7
0°-40°	1339.8	40.5
0°-60°	1979.2	59.8
0°-90°	2265.5	68.5
90°-120°	222.7	6.7
90°-150°	755.0	22.8
90°-180°	1044.0	31.5
0°-180°	3309.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1310	1310	1310	1310	1310	
5°	1458	1313	1164	1313	1458	144
15°	1645	1246	771	1246	1645	444
25°	878	1108	559	1108	878	416
35°	432	914	412	914	432	277
45°	300	690	294	690	300	232
55°	208	468	206	468	208	183
65°	108	284	123	284	108	110
75°	57	135	66	135	57	61
85°	16	30	17	30	16	18
90°	11	0	11	0	11	5
95°	20	16	20	16	20	22
105°	70	68	70	68	70	74
115°	126	126	126	126	126	124
125°	184	183	184	183	184	164
135°	240	237	240	237	240	185
145°	291	288	291	288	291	182
155°	332	329	332	329	332	153
165°	359	358	359	358	359	101
175°	371	373	371	373	371	35
180°	373	373	373	373	373	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1363.2	1364.2	1365.4	1362.8	1362.8	1360.6	1355.8	1352.3	1342.0	1340.6	1340.6
5°	1457.5	1456.5	1458.4	1452.5	1444.3	1442.4	1433.8	1422.5	1410.6	1397.4	1394.6
7.5°	1551.2	1549.9	1546.2	1545.2	1538.9	1525.2	1511.3	1496.5	1476.8	1457.6	1448.0
10°	1598.6	1613.6	1604.5	1588.6	1591.8	1570.4	1559.0	1539.4	1523.0	1494.3	1488.0
12.5°	1645.2	1651.1	1648.2	1639.1	1635.0	1620.2	1604.9	1587.9	1557.6	1531.9	1509.5
15°	1645.0	1653.7	1655.9	1653.2	1655.5	1654.6	1646.4	1632.3	1605.9	1577.6	1553.1
17.5°	1523.6	1529.6	1544.5	1554.6	1567.4	1594.3	1607.6	1612.7	1608.8	1592.8	1575.5
20°	1387.4	1377.3	1419.2	1440.6	1458.8	1504.3	1543.5	1558.5	1582.6	1582.2	1577.6
22.5°	1194.4	1196.8	1236.4	1261.9	1315.0	1360.5	1405.2	1461.7	1508.3	1539.2	1557.3
25°	877.6	894.9	934.5	969.1	1028.2	1112.9	1189.8	1279.1	1363.2	1429.7	1493.0
27.5°	659.1	660.4	691.8	723.7	758.8	828.2	925.1	1031.6	1151.6	1250.7	1364.7
30°	564.5	561.7	574.9	594.5	624.5	678.2	751.0	855.8	975.4	1124.7	1257.7
32.5°	497.4	497.6	507.6	522.0	547.0	583.2	633.0	718.1	831.3	978.0	1133.8
35°	432.4	431.9	439.3	449.7	460.2	483.4	517.5	562.1	640.0	776.9	936.3
37.5°	385.8	387.8	391.4	397.9	409.5	422.4	442.9	472.9	528.2	609.3	743.2
40°	359.6	360.5	365.5	371.0	377.8	387.8	404.7	428.7	469.3	534.0	631.8
42.5°	335.6	336.4	340.0	345.1	350.4	360.5	374.4	395.3	428.1	478.6	559.3
45°	300.4	300.4	303.6	305.9	311.8	320.9	332.3	349.6	372.4	409.7	463.3
47.5°	267.4	267.5	269.7	273.6	277.3	284.4	295.6	309.7	326.3	355.2	401.0
50°	248.5	249.0	250.3	253.5	255.8	262.2	270.8	283.1	300.4	322.7	361.0
52.5°	233.3	232.9	234.7	236.0	237.6	242.2	248.6	259.5	274.9	294.4	326.0
55°	208.5	206.6	209.4	211.7	213.0	214.8	218.5	225.3	238.5	254.9	278.6
57.5°	177.5	176.8	178.7	180.8	185.1	190.0	193.1	197.4	204.3	216.1	239.5
60°	152.0	152.0	156.1	157.5	162.5	168.9	175.2	178.9	185.7	193.4	210.7
62.5°	129.5	129.8	131.7	133.1	135.9	143.7	152.7	160.7	167.1	174.5	186.0
65°	108.3	109.2	109.2	110.1	112.0	113.8	117.4	123.8	135.2	145.6	154.3
67.5°	91.9	92.2	92.5	93.4	93.9	95.9	97.3	100.1	102.8	112.7	123.4
70°	81.1	82.4	81.9	82.8	83.3	84.2	86.1	87.4	91.5	93.8	100.1
72.5°	70.8	71.8	71.7	72.3	73.5	73.7	75.1	76.5	79.1	81.1	84.4
75°	57.3	56.9	57.3	58.2	58.7	59.2	59.2	61.0	62.3	64.2	66.4
77.5°	44.2	44.7	44.6	44.7	44.8	45.6	45.5	46.4	47.7	48.6	49.7
80°	35.5	35.9	35.5	35.9	36.4	36.8	36.4	36.8	38.3	39.1	39.1
82.5°	27.5	27.6	27.8	27.9	28.0	28.1	28.8	28.9	29.9	29.7	30.1
85°	16.4	16.0	16.0	16.0	16.4	16.9	16.4	16.4	16.9	16.9	16.9
87.5°	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.7	8.4	8.7	8.1
90°	10.7	10.6	10.6	10.5	10.4	10.4	10.6	10.8	10.9	11.1	9.5
92.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.0	9.6
95°	19.5	19.7	19.8	20.0	20.1	20.2	20.2	20.2	20.2	20.2	20.1
97.5°	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.6
100°	43.2	43.2	43.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.2
102.5°	53.8	53.9	53.9	53.9	54.0	54.0	53.9	53.9	53.9	53.8	53.5
105°	69.9	69.9	69.9	69.9	69.9	69.9	69.7	69.6	69.5	69.3	69.2
107.5°	85.2	85.5	85.9	86.1	86.5	86.6	86.6	86.5	86.4	86.4	86.4
110°	97.0	97.3	97.5	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	108.3	108.5	108.7	108.9	109.0	109.1	109.3	109.5	109.7	109.9	109.9
115°	126.0	126.3	126.4	126.6	126.9	127.0	127.1	127.2	127.2	127.2	127.4
117.5°	142.9	143.0	143.3	143.5	143.7	143.8	144.0	144.2	144.4	144.5	144.9
120°	154.7	154.9	155.1	155.3	155.5	155.6	155.6	155.6	155.6	155.6	156.2
122.5°	166.3	166.4	166.6	166.7	166.9	167.0	167.2	167.4	167.6	167.7	168.1
125°	184.0	184.0	184.1	184.2	184.2	184.4	184.6	184.9	185.0	185.2	185.5
127.5°	200.1	200.4	200.5	200.8	201.0	201.3	201.5	201.8	202.0	202.2	202.5
130°	211.7	212.0	212.2	212.6	212.9	213.0	213.2	213.3	213.5	213.6	213.7
132.5°	222.8	223.0	223.3	223.5	223.7	224.0	224.3	224.5	224.9	225.2	225.2
135°	240.0	240.3	240.5	240.7	240.9	241.0	241.1	241.2	241.2	241.3	241.2
137.5°	255.7	256.0	256.3	256.5	256.8	257.0	257.0	257.1	257.2	257.2	257.0
140°	266.5	266.8	267.1	267.3	267.6	267.8	267.8	267.8	267.8	267.8	267.4
142.5°	276.3	276.6	276.9	277.2	277.5	277.6	277.5	277.5	277.4	277.3	277.1
145°	291.1	291.4	291.7	291.9	292.2	292.3	292.2	292.2	292.1	292.0	291.6
147.5°	304.3	304.5	304.8	305.1	305.3	305.4	305.2	305.1	305.0	304.8	304.5
150°	312.8	313.1	313.3	313.4	313.7	313.7	313.4	313.3	313.1	312.8	312.5
152.5°	320.9	321.2	321.5	321.7	322.0	322.0	321.7	321.5	321.2	320.9	320.6
155°	331.7	332.0	332.2	332.3	332.6	332.5	332.2	331.8	331.4	331.1	330.9
157.5°	341.1	341.4	341.7	342.1	342.4	342.3	341.9	341.3	340.9	340.5	340.3
160°	346.9	347.1	347.4	347.7	347.9	347.9	347.5	347.1	346.6	346.3	346.2
162.5°	351.9	352.2	352.6	352.9	353.2	353.2	352.7	352.2	351.8	351.2	351.2
165°	358.6	358.8	359.2	359.5	359.9	359.8	359.4	358.8	358.4	357.8	357.8
167.5°	363.9	364.3	364.6	365.1	365.4	365.3	364.8	364.4	363.8	363.4	363.4
170°	366.7	367.1	367.6	368.0	368.4	368.4	367.8	367.4	366.8	366.4	366.5
172.5°	369.0	369.4	369.8	370.2	370.7	370.6	370.1	369.6	369.2	368.6	368.7
175°	371.4	371.8	372.3	372.7	373.1	373.1	372.6	372.1	371.6	371.1	371.2
177.5°	372.6	372.9	373.3	373.5	373.9	373.9	373.5	373.3	372.9	372.6	372.6
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1341.3	1338.4	1335.9	1329.3	1326.1	1318.8	1317.7	1317.3	1307.8	1298.7	1296.2
5°	1387.4	1380.1	1369.1	1356.4	1343.2	1329.5	1320.4	1313.2	1294.9	1277.6	1267.7
7.5°	1433.8	1418.2	1399.3	1375.2	1355.0	1332.5	1315.7	1300.7	1274.9	1250.1	1233.4
10°	1468.4	1442.9	1417.9	1384.6	1358.7	1333.2	1309.6	1289.1	1259.9	1227.2	1203.9
12.5°	1489.9	1461.9	1427.4	1394.8	1361.3	1328.8	1297.2	1270.9	1236.6	1202.7	1175.2
15°	1518.9	1488.9	1447.0	1400.6	1357.4	1315.0	1278.6	1245.8	1201.2	1160.7	1127.0
17.5°	1542.7	1501.4	1456.3	1402.7	1352.6	1298.8	1251.9	1210.1	1160.4	1111.5	1071.8
20°	1550.3	1509.4	1457.5	1403.7	1344.6	1281.3	1230.8	1185.3	1132.0	1078.8	1033.2
22.5°	1545.6	1513.8	1456.0	1391.8	1331.1	1264.9	1207.8	1155.0	1096.0	1041.6	988.8
25°	1513.5	1502.5	1448.0	1377.8	1308.7	1231.7	1165.7	1107.9	1040.5	982.3	924.9
27.5°	1438.5	1462.1	1428.3	1353.6	1276.7	1194.2	1120.0	1054.2	984.3	918.7	861.6
30°	1366.5	1420.6	1406.0	1336.9	1250.8	1169.8	1086.5	1017.8	943.2	875.7	819.3
32.5°	1267.7	1357.3	1371.5	1313.6	1224.6	1135.6	1048.3	979.9	902.0	831.0	776.0
35°	1110.6	1244.5	1305.9	1269.0	1179.8	1083.8	993.6	914.0	835.7	765.6	711.0
37.5°	923.2	1105.5	1207.8	1210.5	1128.5	1028.7	930.6	851.5	771.3	702.5	643.5
40°	801.6	999.1	1132.5	1162.1	1092.9	985.0	885.7	805.2	726.9	659.5	591.7
42.5°	692.3	889.1	1053.1	1104.6	1049.5	942.4	842.8	758.6	682.5	618.8	549.5
45°	559.9	731.9	912.7	1004.6	974.1	874.9	769.7	689.6	618.1	563.0	496.6
47.5°	472.3	593.5	768.4	892.8	892.2	801.6	698.2	621.5	555.3	503.6	449.8
50°	422.4	528.0	675.9	817.1	828.8	752.9	654.5	578.5	516.7	462.4	419.2
52.5°	377.6	464.7	597.6	732.9	766.6	700.8	605.4	535.2	475.1	425.3	388.3
55°	319.1	386.5	487.5	614.0	665.0	618.6	534.0	468.4	419.6	377.8	345.9
57.5°	269.9	320.5	401.5	503.5	562.8	533.6	463.7	410.5	368.8	330.9	305.8
60°	239.0	280.4	349.1	434.3	499.8	479.3	419.6	370.1	334.6	301.8	278.1
62.5°	209.8	245.4	304.3	373.4	433.5	425.1	376.3	334.7	303.6	273.8	253.7
65°	168.9	194.8	240.8	295.0	343.2	347.3	312.3	284.0	256.3	232.6	214.8
67.5°	134.5	151.4	183.8	229.4	265.6	278.5	257.1	235.5	213.5	195.2	179.8
70°	113.3	127.0	150.7	187.5	220.8	234.4	222.1	205.3	186.2	171.1	157.9
72.5°	91.8	105.1	122.6	149.6	178.2	192.9	188.6	176.6	161.0	148.6	136.1
75°	69.2	73.3	85.2	103.3	125.6	138.4	141.6	135.2	122.9	113.3	106.0
77.5°	51.2	53.6	59.3	68.8	83.4	94.8	99.4	98.7	90.2	84.6	77.8
80°	40.9	42.4	45.0	49.1	60.1	71.4	74.6	74.6	68.8	66.4	59.7
82.5°	31.1	32.1	33.8	36.0	41.1	51.1	54.7	55.4	51.6	48.6	43.2
85°	17.7	17.3	18.2	19.5	20.5	23.2	28.7	29.6	28.7	25.1	23.6
87.5°	7.8	7.8	7.5	7.0	7.1	7.3	9.0	10.6	9.4	8.4	7.8
90°	7.9	6.4	4.9	3.7	2.9	2.0	1.2	0.4	1.2	2.0	2.9
92.5°	9.3	8.9	8.6	8.1	7.5	6.9	6.2	5.6	6.2	6.9	7.5
95°	19.9	19.7	19.6	19.2	18.5	17.7	17.1	16.4	17.1	17.7	18.5
97.5°	33.3	33.1	32.8	32.4	31.7	31.1	30.6	30.0	30.6	31.1	31.7
100°	43.1	42.8	42.6	42.3	41.7	41.1	40.6	40.0	40.6	41.1	41.7
102.5°	53.2	53.0	52.8	52.3	51.9	51.5	51.0	50.6	51.0	51.5	51.9
105°	69.0	68.9	68.8	68.6	68.4	68.1	67.9	67.8	67.9	68.1	68.4
107.5°	86.4	86.4	86.4	86.2	86.0	85.6	85.3	85.0	85.3	85.6	86.0
110°	98.0	98.0	98.0	97.7	97.4	96.9	96.5	96.1	96.5	96.9	97.4



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	109.9	109.9	110.0	109.9	109.4	109.1	108.6	108.2	108.6	109.1	109.4
115°	127.5	127.7	127.9	127.7	127.2	126.9	126.4	126.0	126.4	126.9	127.2
117.5°	145.3	145.7	146.2	146.1	145.4	144.9	144.4	143.7	144.4	144.9	145.4
120°	156.8	157.3	157.8	157.8	157.3	156.8	156.2	155.6	156.2	156.8	157.3
122.5°	168.5	168.9	169.3	169.2	168.4	167.8	167.1	166.5	167.1	167.8	168.4
125°	185.7	185.8	186.1	185.8	185.2	184.6	184.0	183.3	184.0	184.6	185.2
127.5°	202.8	203.0	203.2	203.0	202.2	201.4	200.6	199.8	200.6	201.4	202.2
130°	213.9	214.0	214.2	213.7	212.9	212.0	211.1	210.2	211.1	212.0	212.9
132.5°	225.2	225.1	225.1	224.7	223.9	223.2	222.5	221.8	222.5	223.2	223.9
135°	241.0	240.9	240.8	240.3	239.5	238.8	238.0	237.2	238.0	238.8	239.5
137.5°	256.8	256.6	256.5	256.1	255.5	254.8	254.1	253.5	254.1	254.8	255.5
140°	267.1	266.7	266.4	265.9	265.3	264.7	264.0	263.4	264.0	264.7	265.3
142.5°	276.9	276.6	276.4	276.0	275.4	274.7	274.1	273.5	274.1	274.7	275.4
145°	291.2	290.8	290.3	289.9	289.4	288.9	288.5	287.9	288.5	288.9	289.4
147.5°	304.3	303.9	303.6	303.2	302.6	302.0	301.5	300.9	301.5	302.0	302.6
150°	312.3	312.0	311.7	311.4	310.9	310.5	310.1	309.7	310.1	310.5	310.9
152.5°	320.2	319.9	319.6	319.1	318.8	318.3	317.9	317.5	317.9	318.3	318.8
155°	330.6	330.5	330.3	330.0	329.8	329.7	329.4	329.2	329.4	329.7	329.8
157.5°	340.2	340.1	339.9	339.8	339.7	339.5	339.4	339.2	339.4	339.5	339.7
160°	346.1	346.0	346.0	345.8	345.7	345.5	345.4	345.3	345.4	345.5	345.7
162.5°	351.2	351.1	351.0	351.0	350.9	350.9	350.9	350.8	350.9	350.9	350.9
165°	357.8	357.8	357.8	357.9	358.0	358.0	358.1	358.2	358.1	358.0	358.0
167.5°	363.4	363.4	363.5	363.6	363.7	364.0	364.2	364.4	364.2	364.0	363.7
170°	366.5	366.6	366.7	366.8	367.0	367.2	367.5	367.7	367.5	367.2	367.0
172.5°	368.8	368.9	368.9	369.1	369.3	369.5	369.7	369.9	369.7	369.5	369.3
175°	371.4	371.6	371.7	371.8	372.0	372.3	372.5	372.7	372.5	372.3	372.0
177.5°	372.8	372.9	373.0	373.2	373.4	373.4	373.6	373.8	373.6	373.4	373.4
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1291.5	1288.9	1284.2	1276.8	1272.5	1264.8	1259.7	1262.7	1263.4	1262.7	1261.9
5°	1256.8	1247.1	1233.9	1221.2	1209.4	1196.7	1189.4	1186.2	1179.8	1176.2	1174.4
7.5°	1214.8	1198.3	1179.6	1157.4	1138.5	1118.8	1108.8	1103.7	1090.7	1083.6	1077.4
10°	1183.5	1157.5	1138.9	1109.7	1092.0	1066.0	1048.3	1048.7	1031.0	1020.9	1013.7
12.5°	1148.9	1120.3	1089.3	1063.1	1038.4	1017.6	996.2	987.6	968.7	959.0	939.4
15°	1091.5	1058.3	1025.6	990.0	965.0	932.6	901.7	863.9	833.4	807.0	799.8
17.5°	1028.9	987.7	954.8	913.2	870.3	815.9	780.1	758.1	739.8	725.9	715.4
20°	985.9	944.1	909.0	846.1	788.4	751.5	725.1	708.3	689.1	674.1	665.9
22.5°	940.8	897.1	849.3	779.2	734.1	704.5	681.0	661.6	648.7	636.9	629.5
25°	876.6	828.8	750.1	701.9	665.5	634.5	618.1	606.3	592.6	576.7	569.4
27.5°	809.0	732.9	676.4	640.5	605.7	585.6	570.9	553.2	541.0	533.9	526.3
30°	758.3	682.3	638.2	599.1	574.4	552.1	534.8	524.9	513.0	500.7	495.7
32.5°	701.9	641.1	598.9	566.2	541.3	522.3	508.6	492.4	483.8	476.3	465.8
35°	631.8	585.9	547.2	520.8	497.0	481.6	465.7	456.1	440.6	434.3	430.2
37.5°	572.4	532.5	503.7	475.8	457.1	440.0	430.3	415.0	408.3	399.5	390.8
40°	539.0	499.8	472.0	449.2	428.3	415.5	403.3	391.0	380.9	376.9	366.4
42.5°	504.7	472.9	445.1	420.1	406.1	392.6	377.1	368.1	357.7	351.1	344.6
45°	457.4	429.3	405.6	385.0	369.6	355.5	345.4	330.5	324.6	311.3	305.9
47.5°	416.0	389.7	367.1	347.7	332.5	323.3	308.7	296.9	287.5	279.4	272.4
50°	386.5	364.6	342.8	325.5	311.8	298.6	283.6	277.7	263.1	259.0	254.9
52.5°	359.5	338.8	318.7	301.8	288.1	275.3	262.1	254.3	244.5	240.4	237.5
55°	321.8	301.8	282.7	267.6	254.0	240.8	232.6	223.0	218.5	215.3	211.7
57.5°	283.9	265.9	251.3	236.0	222.3	211.9	202.3	196.6	191.9	187.7	183.3
60°	259.9	242.6	229.4	215.3	201.2	192.5	185.3	178.4	173.0	166.6	164.8
62.5°	234.4	219.3	207.2	193.4	181.2	173.3	166.3	159.9	153.3	144.0	141.4
65°	199.4	187.5	174.8	163.5	152.5	144.7	134.7	127.4	124.8	123.8	123.3
67.5°	167.7	156.5	145.5	133.9	123.9	116.8	111.7	110.6	108.7	108.2	106.9
70°	146.6	136.1	125.2	114.2	104.7	103.3	101.5	99.7	97.4	96.5	95.6
72.5°	127.6	116.8	105.8	97.1	93.0	91.3	89.5	87.7	86.1	85.2	84.6
75°	97.8	87.8	80.6	77.4	75.1	73.7	71.0	69.6	68.8	67.3	66.9
77.5°	70.4	64.8	61.4	59.5	57.1	55.6	54.0	52.7	51.7	51.5	50.7
80°	53.7	51.0	48.7	46.0	45.0	43.2	42.8	41.5	41.9	40.5	40.5
82.5°	41.7	38.3	36.3	35.0	34.2	32.7	32.2	31.6	31.7	30.7	30.7
85°	21.4	20.5	19.5	18.6	18.6	17.3	17.7	17.3	17.3	16.4	16.0
87.5°	7.7	7.5	7.1	7.4	7.8	7.7	7.7	7.2	7.2	7.2	6.8
90°	3.7	4.9	6.4	7.9	9.5	11.1	10.9	10.8	10.6	10.4	10.4
92.5°	8.1	8.6	8.9	9.3	9.6	10.0	10.1	10.1	10.1	10.2	10.2
95°	19.2	19.6	19.7	19.9	20.1	20.2	20.2	20.2	20.2	20.2	20.1
97.5°	32.4	32.8	33.1	33.3	33.6	33.9	33.9	33.9	33.9	33.9	33.9
100°	42.3	42.6	42.8	43.1	43.2	43.5	43.5	43.5	43.5	43.5	43.4
102.5°	52.3	52.8	53.0	53.2	53.5	53.8	53.9	53.9	53.9	54.0	54.0
105°	68.6	68.8	68.9	69.0	69.2	69.3	69.5	69.6	69.7	69.9	69.9
107.5°	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.6	86.6	86.5
110°	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	97.9



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	109.9	110.0	109.9	109.9	109.9	109.9	109.7	109.5	109.3	109.1	109.0
115°	127.7	127.9	127.7	127.5	127.4	127.2	127.2	127.2	127.1	127.0	126.9
117.5°	146.1	146.2	145.7	145.3	144.9	144.5	144.4	144.2	144.0	143.8	143.7
120°	157.8	157.8	157.3	156.8	156.2	155.6	155.6	155.6	155.6	155.6	155.5
122.5°	169.2	169.3	168.9	168.5	168.1	167.7	167.6	167.4	167.2	167.0	166.9
125°	185.8	186.1	185.8	185.7	185.5	185.2	185.0	184.9	184.6	184.4	184.2
127.5°	203.0	203.2	203.0	202.8	202.5	202.2	202.0	201.8	201.5	201.3	201.0
130°	213.7	214.2	214.0	213.9	213.7	213.6	213.5	213.3	213.2	213.0	212.9
132.5°	224.7	225.1	225.1	225.2	225.2	225.2	224.9	224.5	224.3	224.0	223.7
135°	240.3	240.8	240.9	241.0	241.2	241.3	241.2	241.2	241.1	241.0	240.9
137.5°	256.1	256.5	256.6	256.8	257.0	257.2	257.2	257.1	257.0	257.0	256.8
140°	265.9	266.4	266.7	267.1	267.4	267.8	267.8	267.8	267.8	267.8	267.6
142.5°	276.0	276.4	276.6	276.9	277.1	277.3	277.4	277.5	277.5	277.6	277.5
145°	289.9	290.3	290.8	291.2	291.6	292.0	292.1	292.2	292.2	292.3	292.2
147.5°	303.2	303.6	303.9	304.3	304.5	304.8	305.0	305.1	305.2	305.4	305.3
150°	311.4	311.7	312.0	312.3	312.5	312.8	313.1	313.3	313.4	313.7	313.7
152.5°	319.1	319.6	319.9	320.2	320.6	320.9	321.2	321.5	321.7	322.0	322.0
155°	330.0	330.3	330.5	330.6	330.9	331.1	331.4	331.8	332.2	332.5	332.6
157.5°	339.8	339.9	340.1	340.2	340.3	340.5	340.9	341.3	341.9	342.3	342.4
160°	345.8	346.0	346.0	346.1	346.2	346.3	346.6	347.1	347.5	347.9	347.9
162.5°	351.0	351.0	351.1	351.2	351.2	351.2	351.8	352.2	352.7	353.2	353.2
165°	357.9	357.8	357.8	357.8	357.8	357.8	358.4	358.8	359.4	359.8	359.9
167.5°	363.6	363.5	363.4	363.4	363.4	363.4	363.8	364.4	364.8	365.3	365.4
170°	366.8	366.7	366.6	366.5	366.5	366.4	366.8	367.4	367.8	368.4	368.4
172.5°	369.1	368.9	368.9	368.8	368.7	368.6	369.2	369.6	370.1	370.6	370.7
175°	371.8	371.7	371.6	371.4	371.2	371.1	371.6	372.1	372.6	373.1	373.1
177.5°	373.2	373.0	372.9	372.8	372.6	372.6	372.9	373.3	373.5	373.9	373.9
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1257.9	1258.6	1257.6	1258.3	1257.6	1258.6	1257.9	1261.9	1262.7	1263.4	1262.7
5°	1172.1	1166.6	1165.7	1164.3	1165.7	1166.6	1172.1	1174.4	1176.2	1179.8	1186.2
7.5°	1069.6	1068.7	1066.5	1063.3	1066.5	1068.7	1069.6	1077.4	1083.6	1090.7	1103.7
10°	1003.6	1001.4	1000.9	997.7	1000.9	1001.4	1003.6	1013.7	1020.9	1031.0	1048.7
12.5°	926.5	911.8	910.3	902.3	910.3	911.8	926.5	939.4	959.0	968.7	987.6
15°	788.8	786.1	776.9	771.1	776.9	786.1	788.8	799.8	807.0	833.4	863.9
17.5°	710.2	701.2	698.4	697.1	698.4	701.2	710.2	715.4	725.9	739.8	758.1
20°	659.5	651.4	650.0	649.1	650.0	651.4	659.5	665.9	674.1	689.1	708.3
22.5°	624.6	616.0	612.5	609.8	612.5	616.0	624.6	629.5	636.9	648.7	661.6
25°	564.9	561.7	559.9	558.9	559.9	561.7	564.9	569.4	576.7	592.6	606.3
27.5°	518.2	511.1	509.8	507.5	509.8	511.1	518.2	526.3	533.9	541.0	553.2
30°	491.6	489.3	486.2	483.4	486.2	489.3	491.6	495.7	500.7	513.0	524.9
32.5°	460.3	458.3	455.6	454.2	455.6	458.3	460.3	465.8	476.3	483.8	492.4
35°	425.6	419.2	416.5	412.4	416.5	419.2	425.6	430.2	434.3	440.6	456.1
37.5°	388.9	385.6	381.7	383.1	381.7	385.6	388.9	390.8	399.5	408.3	415.0
40°	360.5	358.2	357.3	356.9	357.3	358.2	360.5	366.4	376.9	380.9	391.0
42.5°	338.0	331.6	329.3	329.2	329.3	331.6	338.0	344.6	351.1	357.7	368.1
45°	303.6	297.7	293.6	294.1	293.6	297.7	303.6	305.9	311.3	324.6	330.5
47.5°	268.5	268.3	265.7	266.5	265.7	268.3	268.5	272.4	279.4	287.5	296.9
50°	251.7	249.0	247.2	247.6	247.2	249.0	251.7	254.9	259.0	263.1	277.7
52.5°	235.7	233.4	231.8	233.8	231.8	233.4	235.7	237.5	240.4	244.5	254.3
55°	209.4	206.6	206.2	205.7	206.2	206.6	209.4	211.7	215.3	218.5	223.0
57.5°	179.9	178.2	175.4	174.2	175.4	178.2	179.9	183.3	187.7	191.9	196.6
60°	158.8	155.2	150.7	150.2	150.7	155.2	158.8	164.8	166.6	173.0	178.4
62.5°	139.6	138.8	137.9	137.9	137.9	138.8	139.6	141.4	144.0	153.3	159.9
65°	122.4	122.0	122.4	122.9	122.4	122.0	122.4	123.3	123.8	124.8	127.4
67.5°	106.7	105.8	105.0	105.4	105.0	105.8	106.7	106.9	108.2	108.7	110.6
70°	94.7	94.3	93.8	93.8	93.8	94.3	94.7	95.6	96.5	97.4	99.7
72.5°	83.0	82.9	82.5	82.1	82.5	82.9	83.0	84.6	85.2	86.1	87.7
75°	66.4	65.5	65.5	65.5	65.5	65.5	66.4	66.9	67.3	68.8	69.6
77.5°	50.6	50.2	49.7	49.3	49.7	50.2	50.6	50.7	51.5	51.7	52.7
80°	40.0	39.6	39.1	39.1	39.1	39.6	40.0	40.5	40.5	41.9	41.5
82.5°	30.6	30.1	30.1	29.7	30.1	30.1	30.6	30.7	30.7	31.7	31.6
85°	16.4	16.9	16.4	17.3	16.4	16.9	16.4	16.0	16.4	17.3	17.3
87.5°	6.9	6.5	6.9	6.5	6.9	6.5	6.9	6.8	7.2	7.2	7.2
90°	10.5	10.6	10.6	10.7	10.6	10.6	10.5	10.4	10.4	10.6	10.8
92.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.1
95°	20.0	19.8	19.7	19.5	19.7	19.8	20.0	20.1	20.2	20.2	20.2
97.5°	33.9	33.9	33.9	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9
100°	43.3	43.3	43.2	43.2	43.2	43.3	43.3	43.4	43.5	43.5	43.5
102.5°	53.9	53.9	53.9	53.8	53.9	53.9	53.9	54.0	54.0	53.9	53.9
105°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.7	69.6
107.5°	86.1	85.9	85.5	85.2	85.5	85.9	86.1	86.5	86.6	86.6	86.5
110°	97.6	97.5	97.3	97.0	97.3	97.5	97.6	97.9	98.0	98.0	98.0



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	108.9	108.7	108.5	108.3	108.5	108.7	108.9	109.0	109.1	109.3	109.5
115°	126.6	126.4	126.3	126.0	126.3	126.4	126.6	126.9	127.0	127.1	127.2
117.5°	143.5	143.3	143.0	142.9	143.0	143.3	143.5	143.7	143.8	144.0	144.2
120°	155.3	155.1	154.9	154.7	154.9	155.1	155.3	155.5	155.6	155.6	155.6
122.5°	166.7	166.6	166.4	166.3	166.4	166.6	166.7	166.9	167.0	167.2	167.4
125°	184.2	184.1	184.0	184.0	184.0	184.1	184.2	184.2	184.4	184.6	184.9
127.5°	200.8	200.5	200.4	200.1	200.4	200.5	200.8	201.0	201.3	201.5	201.8
130°	212.6	212.2	212.0	211.7	212.0	212.2	212.6	212.9	213.0	213.2	213.3
132.5°	223.5	223.3	223.0	222.8	223.0	223.3	223.5	223.7	224.0	224.3	224.5
135°	240.7	240.5	240.3	240.0	240.3	240.5	240.7	240.9	241.0	241.1	241.2
137.5°	256.5	256.3	256.0	255.7	256.0	256.3	256.5	256.8	257.0	257.0	257.1
140°	267.3	267.1	266.8	266.5	266.8	267.1	267.3	267.6	267.8	267.8	267.8
142.5°	277.2	276.9	276.6	276.3	276.6	276.9	277.2	277.5	277.6	277.5	277.5
145°	291.9	291.7	291.4	291.1	291.4	291.7	291.9	292.2	292.3	292.2	292.2
147.5°	305.1	304.8	304.5	304.3	304.5	304.8	305.1	305.3	305.4	305.2	305.1
150°	313.4	313.3	313.1	312.8	313.1	313.3	313.4	313.7	313.7	313.4	313.3
152.5°	321.7	321.5	321.2	320.9	321.2	321.5	321.7	322.0	322.0	321.7	321.5
155°	332.3	332.2	332.0	331.7	332.0	332.2	332.3	332.6	332.5	332.2	331.8
157.5°	342.1	341.7	341.4	341.1	341.4	341.7	342.1	342.4	342.3	341.9	341.3
160°	347.7	347.4	347.1	346.9	347.1	347.4	347.7	347.9	347.9	347.5	347.1
162.5°	352.9	352.6	352.2	351.9	352.2	352.6	352.9	353.2	353.2	352.7	352.2
165°	359.5	359.2	358.8	358.6	358.8	359.2	359.5	359.9	359.8	359.4	358.8
167.5°	365.1	364.6	364.3	363.9	364.3	364.6	365.1	365.4	365.3	364.8	364.4
170°	368.0	367.6	367.1	366.7	367.1	367.6	368.0	368.4	368.4	367.8	367.4
172.5°	370.2	369.8	369.4	369.0	369.4	369.8	370.2	370.7	370.6	370.1	369.6
175°	372.7	372.3	371.8	371.4	371.8	372.3	372.7	373.1	373.1	372.6	372.1
177.5°	373.5	373.3	372.9	372.6	372.9	373.3	373.5	373.9	373.9	373.5	373.3
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1259.7	1264.8	1272.5	1276.8	1284.2	1288.9	1291.5	1296.2	1298.7	1307.8	1317.3
5°	1189.4	1196.7	1209.4	1221.2	1233.9	1247.1	1256.8	1267.7	1277.6	1294.9	1313.2
7.5°	1108.8	1118.8	1138.5	1157.4	1179.6	1198.3	1214.8	1233.4	1250.1	1274.9	1300.7
10°	1048.3	1066.0	1092.0	1109.7	1138.9	1157.5	1183.5	1203.9	1227.2	1259.9	1289.1
12.5°	996.2	1017.6	1038.4	1063.1	1089.3	1120.3	1148.9	1175.2	1202.7	1236.6	1270.9
15°	901.7	932.6	965.0	990.0	1025.6	1058.3	1091.5	1127.0	1160.7	1201.2	1245.8
17.5°	780.1	815.9	870.3	913.2	954.8	987.7	1028.9	1071.8	1111.5	1160.4	1210.1
20°	725.1	751.5	788.4	846.1	909.0	944.1	985.9	1033.2	1078.8	1132.0	1185.3
22.5°	681.0	704.5	734.1	779.2	849.3	897.1	940.8	988.8	1041.6	1096.0	1155.0
25°	618.1	634.5	665.5	701.9	750.1	828.8	876.6	924.9	982.3	1040.5	1107.9
27.5°	570.9	585.6	605.7	640.5	676.4	732.9	809.0	861.6	918.7	984.3	1054.2
30°	534.8	552.1	574.4	599.1	638.2	682.3	758.3	819.3	875.7	943.2	1017.8
32.5°	508.6	522.3	541.3	566.2	598.9	641.1	701.9	776.0	831.0	902.0	979.9
35°	465.7	481.6	497.0	520.8	547.2	585.9	631.8	711.0	765.6	835.7	914.0
37.5°	430.3	440.0	457.1	475.8	503.7	532.5	572.4	643.5	702.5	771.3	851.5
40°	403.3	415.5	428.3	449.2	472.0	499.8	539.0	591.7	659.5	726.9	805.2
42.5°	377.1	392.6	406.1	420.1	445.1	472.9	504.7	549.5	618.8	682.5	758.6
45°	345.4	355.5	369.6	385.0	405.6	429.3	457.4	496.6	563.0	618.1	689.6
47.5°	308.7	323.3	332.5	347.7	367.1	389.7	416.0	449.8	503.6	555.3	621.5
50°	283.6	298.6	311.8	325.5	342.8	364.6	386.5	419.2	462.4	516.7	578.5
52.5°	262.1	275.3	288.1	301.8	318.7	338.8	359.5	388.3	425.3	475.1	535.2
55°	232.6	240.8	254.0	267.6	282.7	301.8	321.8	345.9	377.8	419.6	468.4
57.5°	202.3	211.9	222.3	236.0	251.3	265.9	283.9	305.8	330.9	368.8	410.5
60°	185.3	192.5	201.2	215.3	229.4	242.6	259.9	278.1	301.8	334.6	370.1
62.5°	166.3	173.3	181.2	193.4	207.2	219.3	234.4	253.7	273.8	303.6	334.7
65°	134.7	144.7	152.5	163.5	174.8	187.5	199.4	214.8	232.6	256.3	284.0
67.5°	111.7	116.8	123.9	133.9	145.5	156.5	167.7	179.8	195.2	213.5	235.5
70°	101.5	103.3	104.7	114.2	125.2	136.1	146.6	157.9	171.1	186.2	205.3
72.5°	89.5	91.3	93.0	97.1	105.8	116.8	127.6	136.1	148.6	161.0	176.6
75°	71.0	73.7	75.1	77.4	80.6	87.8	97.8	106.0	113.3	122.9	135.2
77.5°	54.0	55.6	57.1	59.5	61.4	64.8	70.4	77.8	84.6	90.2	98.7
80°	42.8	43.2	45.0	46.0	48.7	51.0	53.7	59.7	66.4	68.8	74.6
82.5°	32.2	32.7	34.2	35.0	36.3	38.3	41.7	43.2	48.6	51.6	55.4
85°	17.7	17.3	18.6	18.6	19.5	20.5	21.4	23.6	25.1	28.7	29.6
87.5°	7.7	7.7	7.8	7.4	7.1	7.5	7.7	7.8	8.4	9.4	10.6
90°	10.9	11.1	9.5	7.9	6.4	4.9	3.7	2.9	2.0	1.2	0.4
92.5°	10.1	10.0	9.6	9.3	8.9	8.6	8.1	7.5	6.9	6.2	5.6
95°	20.2	20.2	20.1	19.9	19.7	19.6	19.2	18.5	17.7	17.1	16.4
97.5°	33.9	33.9	33.6	33.3	33.1	32.8	32.4	31.7	31.1	30.6	30.0
100°	43.5	43.5	43.2	43.1	42.8	42.6	42.3	41.7	41.1	40.6	40.0
102.5°	53.9	53.8	53.5	53.2	53.0	52.8	52.3	51.9	51.5	51.0	50.6
105°	69.5	69.3	69.2	69.0	68.9	68.8	68.6	68.4	68.1	67.9	67.8
107.5°	86.4	86.4	86.4	86.4	86.4	86.4	86.2	86.0	85.6	85.3	85.0
110°	98.0	98.0	98.0	98.0	98.0	98.0	97.7	97.4	96.9	96.5	96.1



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	109.7	109.9	109.9	109.9	109.9	110.0	109.9	109.4	109.1	108.6	108.2
115°	127.2	127.2	127.4	127.5	127.7	127.9	127.7	127.2	126.9	126.4	126.0
117.5°	144.4	144.5	144.9	145.3	145.7	146.2	146.1	145.4	144.9	144.4	143.7
120°	155.6	155.6	156.2	156.8	157.3	157.8	157.8	157.3	156.8	156.2	155.6
122.5°	167.6	167.7	168.1	168.5	168.9	169.3	169.2	168.4	167.8	167.1	166.5
125°	185.0	185.2	185.5	185.7	185.8	186.1	185.8	185.2	184.6	184.0	183.3
127.5°	202.0	202.2	202.5	202.8	203.0	203.2	203.0	202.2	201.4	200.6	199.8
130°	213.5	213.6	213.7	213.9	214.0	214.2	213.7	212.9	212.0	211.1	210.2
132.5°	224.9	225.2	225.2	225.2	225.1	225.1	224.7	223.9	223.2	222.5	221.8
135°	241.2	241.3	241.2	241.0	240.9	240.8	240.3	239.5	238.8	238.0	237.2
137.5°	257.2	257.2	257.0	256.8	256.6	256.5	256.1	255.5	254.8	254.1	253.5
140°	267.8	267.8	267.4	267.1	266.7	266.4	265.9	265.3	264.7	264.0	263.4
142.5°	277.4	277.3	277.1	276.9	276.6	276.4	276.0	275.4	274.7	274.1	273.5
145°	292.1	292.0	291.6	291.2	290.8	290.3	289.9	289.4	288.9	288.5	287.9
147.5°	305.0	304.8	304.5	304.3	303.9	303.6	303.2	302.6	302.0	301.5	300.9
150°	313.1	312.8	312.5	312.3	312.0	311.7	311.4	310.9	310.5	310.1	309.7
152.5°	321.2	320.9	320.6	320.2	319.9	319.6	319.1	318.8	318.3	317.9	317.5
155°	331.4	331.1	330.9	330.6	330.5	330.3	330.0	329.8	329.7	329.4	329.2
157.5°	340.9	340.5	340.3	340.2	340.1	339.9	339.8	339.7	339.5	339.4	339.2
160°	346.6	346.3	346.2	346.1	346.0	346.0	345.8	345.7	345.5	345.4	345.3
162.5°	351.8	351.2	351.2	351.2	351.1	351.0	351.0	350.9	350.9	350.9	350.8
165°	358.4	357.8	357.8	357.8	357.8	357.8	357.9	358.0	358.0	358.1	358.2
167.5°	363.8	363.4	363.4	363.4	363.4	363.5	363.6	363.7	364.0	364.2	364.4
170°	366.8	366.4	366.5	366.5	366.6	366.7	366.8	367.0	367.2	367.5	367.7
172.5°	369.2	368.6	368.7	368.8	368.9	368.9	369.1	369.3	369.5	369.7	369.9
175°	371.6	371.1	371.2	371.4	371.6	371.7	371.8	372.0	372.3	372.5	372.7
177.5°	372.9	372.6	372.6	372.8	372.9	373.0	373.2	373.4	373.4	373.6	373.8
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



TEST NUMBER: P331676-940

CATALOG NUMBER: SA2XXRDIP-C675D330U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1317.7	1318.8	1326.1	1329.3	1335.9	1338.4	1341.3	1340.6	1340.6	1342.0	1352.3
5°	1320.4	1329.5	1343.2	1356.4	1369.1	1380.1	1387.4	1394.6	1397.4	1410.6	1422.5
7.5°	1315.7	1332.5	1355.0	1375.2	1399.3	1418.2	1433.8	1448.0	1457.6	1476.8	1496.5
10°	1309.6	1333.2	1358.7	1384.6	1417.9	1442.9	1468.4	1488.0	1494.3	1523.0	1539.4
12.5°	1297.2	1328.8	1361.3	1394.8	1427.4	1461.9	1489.9	1509.5	1531.9	1557.6	1587.9
15°	1278.6	1315.0	1357.4	1400.6	1447.0	1488.9	1518.9	1553.1	1577.6	1605.9	1632.3
17.5°	1251.9	1298.8	1352.6	1402.7	1456.3	1501.4	1542.7	1575.5	1592.8	1608.8	1612.7
20°	1230.8	1281.3	1344.6	1403.7	1457.5	1509.4	1550.3	1577.6	1582.2	1582.6	1558.5
22.5°	1207.8	1264.9	1331.1	1391.8	1456.0	1513.8	1545.6	1557.3	1539.2	1508.3	1461.7
25°	1165.7	1231.7	1308.7	1377.8	1448.0	1502.5	1513.5	1493.0	1429.7	1363.2	1279.1
27.5°	1120.0	1194.2	1276.7	1353.6	1428.3	1462.1	1438.5	1364.7	1250.7	1151.6	1031.6
30°	1086.5	1169.8	1250.8	1336.9	1406.0	1420.6	1366.5	1257.7	1124.7	975.4	855.8
32.5°	1048.3	1135.6	1224.6	1313.6	1371.5	1357.3	1267.7	1133.8	978.0	831.3	718.1
35°	993.6	1083.8	1179.8	1269.0	1305.9	1244.5	1110.6	936.3	776.9	640.0	562.1
37.5°	930.6	1028.7	1128.5	1210.5	1207.8	1105.5	923.2	743.2	609.3	528.2	472.9
40°	885.7	985.0	1092.9	1162.1	1132.5	999.1	801.6	631.8	534.0	469.3	428.7
42.5°	842.8	942.4	1049.5	1104.6	1053.1	889.1	692.3	559.3	478.6	428.1	395.3
45°	769.7	874.9	974.1	1004.6	912.7	731.9	559.9	463.3	409.7	372.4	349.6
47.5°	698.2	801.6	892.2	892.8	768.4	593.5	472.3	401.0	355.2	326.3	309.7
50°	654.5	752.9	828.8	817.1	675.9	528.0	422.4	361.0	322.7	300.4	283.1
52.5°	605.4	700.8	766.6	732.9	597.6	464.7	377.6	326.0	294.4	274.9	259.5
55°	534.0	618.6	665.0	614.0	487.5	386.5	319.1	278.6	254.9	238.5	225.3
57.5°	463.7	533.6	562.8	503.5	401.5	320.5	269.9	239.5	216.1	204.3	197.4
60°	419.6	479.3	499.8	434.3	349.1	280.4	239.0	210.7	193.4	185.7	178.9
62.5°	376.3	425.1	433.5	373.4	304.3	245.4	209.8	186.0	174.5	167.1	160.7
65°	312.3	347.3	343.2	295.0	240.8	194.8	168.9	154.3	145.6	135.2	123.8
67.5°	257.1	278.5	265.6	229.4	183.8	151.4	134.5	123.4	112.7	102.8	100.1
70°	222.1	234.4	220.8	187.5	150.7	127.0	113.3	100.1	93.8	91.5	87.4
72.5°	188.6	192.9	178.2	149.6	122.6	105.1	91.8	84.4	81.1	79.1	76.5
75°	141.6	138.4	125.6	103.3	85.2	73.3	69.2	66.4	64.2	62.3	61.0
77.5°	99.4	94.8	83.4	68.8	59.3	53.6	51.2	49.7	48.6	47.7	46.4
80°	74.6	71.4	60.1	49.1	45.0	42.4	40.9	39.1	39.1	38.3	36.8
82.5°	54.7	51.1	41.1	36.0	33.8	32.1	31.1	30.1	29.7	29.9	28.9
85°	28.7	23.2	20.5	19.5	18.2	17.3	17.7	16.9	16.9	16.9	16.4
87.5°	9.0	7.3	7.1	7.0	7.5	7.8	7.8	8.1	8.7	8.4	8.7
90°	1.2	2.0	2.9	3.7	4.9	6.4	7.9	9.5	11.1	10.9	10.8
92.5°	6.2	6.9	7.5	8.1	8.6	8.9	9.3	9.6	10.0	10.1	10.1
95°	17.1	17.7	18.5	19.2	19.6	19.7	19.9	20.1	20.2	20.2	20.2
97.5°	30.6	31.1	31.7	32.4	32.8	33.1	33.3	33.6	33.9	33.9	33.9
100°	40.6	41.1	41.7	42.3	42.6	42.8	43.1	43.2	43.5	43.5	43.5
102.5°	51.0	51.5	51.9	52.3	52.8	53.0	53.2	53.5	53.8	53.9	53.9
105°	67.9	68.1	68.4	68.6	68.8	68.9	69.0	69.2	69.3	69.5	69.6
107.5°	85.3	85.6	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.5
110°	96.5	96.9	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	108.6	109.1	109.4	109.9	110.0	109.9	109.9	109.9	109.9	109.7	109.5
115°	126.4	126.9	127.2	127.7	127.9	127.7	127.5	127.4	127.2	127.2	127.2
117.5°	144.4	144.9	145.4	146.1	146.2	145.7	145.3	144.9	144.5	144.4	144.2
120°	156.2	156.8	157.3	157.8	157.8	157.3	156.8	156.2	155.6	155.6	155.6
122.5°	167.1	167.8	168.4	169.2	169.3	168.9	168.5	168.1	167.7	167.6	167.4
125°	184.0	184.6	185.2	185.8	186.1	185.8	185.7	185.5	185.2	185.0	184.9
127.5°	200.6	201.4	202.2	203.0	203.2	203.0	202.8	202.5	202.2	202.0	201.8
130°	211.1	212.0	212.9	213.7	214.2	214.0	213.9	213.7	213.6	213.5	213.3
132.5°	222.5	223.2	223.9	224.7	225.1	225.1	225.2	225.2	225.2	224.9	224.5
135°	238.0	238.8	239.5	240.3	240.8	240.9	241.0	241.2	241.3	241.2	241.2
137.5°	254.1	254.8	255.5	256.1	256.5	256.6	256.8	257.0	257.2	257.2	257.1
140°	264.0	264.7	265.3	265.9	266.4	266.7	267.1	267.4	267.8	267.8	267.8
142.5°	274.1	274.7	275.4	276.0	276.4	276.6	276.9	277.1	277.3	277.4	277.5
145°	288.5	288.9	289.4	289.9	290.3	290.8	291.2	291.6	292.0	292.1	292.2
147.5°	301.5	302.0	302.6	303.2	303.6	303.9	304.3	304.5	304.8	305.0	305.1
150°	310.1	310.5	310.9	311.4	311.7	312.0	312.3	312.5	312.8	313.1	313.3
152.5°	317.9	318.3	318.8	319.1	319.6	319.9	320.2	320.6	320.9	321.2	321.5
155°	329.4	329.7	329.8	330.0	330.3	330.5	330.6	330.9	331.1	331.4	331.8
157.5°	339.4	339.5	339.7	339.8	339.9	340.1	340.2	340.3	340.5	340.9	341.3
160°	345.4	345.5	345.7	345.8	346.0	346.0	346.1	346.2	346.3	346.6	347.1
162.5°	350.9	350.9	350.9	351.0	351.0	351.1	351.2	351.2	351.2	351.8	352.2
165°	358.1	358.0	358.0	357.9	357.8	357.8	357.8	357.8	357.8	358.4	358.8
167.5°	364.2	364.0	363.7	363.6	363.5	363.4	363.4	363.4	363.4	363.8	364.4
170°	367.5	367.2	367.0	366.8	366.7	366.6	366.5	366.5	366.4	366.8	367.4
172.5°	369.7	369.5	369.3	369.1	368.9	368.9	368.8	368.7	368.6	369.2	369.6
175°	372.5	372.3	372.0	371.8	371.7	371.6	371.4	371.2	371.1	371.6	372.1
177.5°	373.6	373.4	373.4	373.2	373.0	372.9	372.8	372.6	372.6	372.9	373.3
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1355.8	1360.6	1362.8	1362.8	1365.4	1364.2	1363.2
5°	1433.8	1442.4	1444.3	1452.5	1458.4	1456.5	1457.5
7.5°	1511.3	1525.2	1538.9	1545.2	1546.2	1549.9	1551.2
10°	1559.0	1570.4	1591.8	1588.6	1604.5	1613.6	1598.6
12.5°	1604.9	1620.2	1635.0	1639.1	1648.2	1651.1	1645.2
15°	1646.4	1654.6	1655.5	1653.2	1655.9	1653.7	1645.0
17.5°	1607.6	1594.3	1567.4	1554.6	1544.5	1529.6	1523.6
20°	1543.5	1504.3	1458.8	1440.6	1419.2	1377.3	1387.4
22.5°	1405.2	1360.5	1315.0	1261.9	1236.4	1196.8	1194.4
25°	1189.8	1112.9	1028.2	969.1	934.5	894.9	877.6
27.5°	925.1	828.2	758.8	723.7	691.8	660.4	659.1
30°	751.0	678.2	624.5	594.5	574.9	561.7	564.5
32.5°	633.0	583.2	547.0	522.0	507.6	497.6	497.4
35°	517.5	483.4	460.2	449.7	439.3	431.9	432.4
37.5°	442.9	422.4	409.5	397.9	391.4	387.8	385.8
40°	404.7	387.8	377.8	371.0	365.5	360.5	359.6
42.5°	374.4	360.5	350.4	345.1	340.0	336.4	335.6
45°	332.3	320.9	311.8	305.9	303.6	300.4	300.4
47.5°	295.6	284.4	277.3	273.6	269.7	267.5	267.4
50°	270.8	262.2	255.8	253.5	250.3	249.0	248.5
52.5°	248.6	242.2	237.6	236.0	234.7	232.9	233.3
55°	218.5	214.8	213.0	211.7	209.4	206.6	208.5
57.5°	193.1	190.0	185.1	180.8	178.7	176.8	177.5
60°	175.2	168.9	162.5	157.5	156.1	152.0	152.0
62.5°	152.7	143.7	135.9	133.1	131.7	129.8	129.5
65°	117.4	113.8	112.0	110.1	109.2	109.2	108.3
67.5°	97.3	95.9	93.9	93.4	92.5	92.2	91.9
70°	86.1	84.2	83.3	82.8	81.9	82.4	81.1
72.5°	75.1	73.7	73.5	72.3	71.7	71.8	70.8
75°	59.2	59.2	58.7	58.2	57.3	56.9	57.3
77.5°	45.5	45.6	44.8	44.7	44.6	44.7	44.2
80°	36.4	36.8	36.4	35.9	35.5	35.9	35.5
82.5°	28.8	28.1	28.0	27.9	27.8	27.6	27.5
85°	16.4	16.9	16.4	16.0	16.0	16.0	16.4
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	7.9
90°	10.6	10.4	10.4	10.5	10.6	10.6	10.7
92.5°	10.1	10.2	10.2	10.2	10.2	10.2	10.2
95°	20.2	20.2	20.1	20.0	19.8	19.7	19.5
97.5°	33.9	33.9	33.9	33.9	33.9	33.9	33.8
100°	43.5	43.5	43.4	43.3	43.3	43.2	43.2
102.5°	53.9	54.0	54.0	53.9	53.9	53.9	53.8
105°	69.7	69.9	69.9	69.9	69.9	69.9	69.9
107.5°	86.6	86.6	86.5	86.1	85.9	85.5	85.2
110°	98.0	98.0	97.9	97.6	97.5	97.3	97.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	109.3	109.1	109.0	108.9	108.7	108.5	108.3
115°	127.1	127.0	126.9	126.6	126.4	126.3	126.0
117.5°	144.0	143.8	143.7	143.5	143.3	143.0	142.9
120°	155.6	155.6	155.5	155.3	155.1	154.9	154.7
122.5°	167.2	167.0	166.9	166.7	166.6	166.4	166.3
125°	184.6	184.4	184.2	184.2	184.1	184.0	184.0
127.5°	201.5	201.3	201.0	200.8	200.5	200.4	200.1
130°	213.2	213.0	212.9	212.6	212.2	212.0	211.7
132.5°	224.3	224.0	223.7	223.5	223.3	223.0	222.8
135°	241.1	241.0	240.9	240.7	240.5	240.3	240.0
137.5°	257.0	257.0	256.8	256.5	256.3	256.0	255.7
140°	267.8	267.8	267.6	267.3	267.1	266.8	266.5
142.5°	277.5	277.6	277.5	277.2	276.9	276.6	276.3
145°	292.2	292.3	292.2	291.9	291.7	291.4	291.1
147.5°	305.2	305.4	305.3	305.1	304.8	304.5	304.3
150°	313.4	313.7	313.7	313.4	313.3	313.1	312.8
152.5°	321.7	322.0	322.0	321.7	321.5	321.2	320.9
155°	332.2	332.5	332.6	332.3	332.2	332.0	331.7
157.5°	341.9	342.3	342.4	342.1	341.7	341.4	341.1
160°	347.5	347.9	347.9	347.7	347.4	347.1	346.9
162.5°	352.7	353.2	353.2	352.9	352.6	352.2	351.9
165°	359.4	359.8	359.9	359.5	359.2	358.8	358.6
167.5°	364.8	365.3	365.4	365.1	364.6	364.3	363.9
170°	367.8	368.4	368.4	368.0	367.6	367.1	366.7
172.5°	370.1	370.6	370.7	370.2	369.8	369.4	369.0
175°	372.6	373.1	373.1	372.7	372.3	371.8	371.4
177.5°	373.5	373.9	373.9	373.5	373.3	372.9	372.6
180°	373.4	373.4	373.4	373.4	373.4	373.4	373.4

(END OF REPORT)