

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: P331688-940

Luminaire Tested: **SA2XXRDIP-C675D725U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331688-940
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-C675D725U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4576.7 lumens
Efficiency: N/A
Efficacy: 99.7 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: General Diffuse

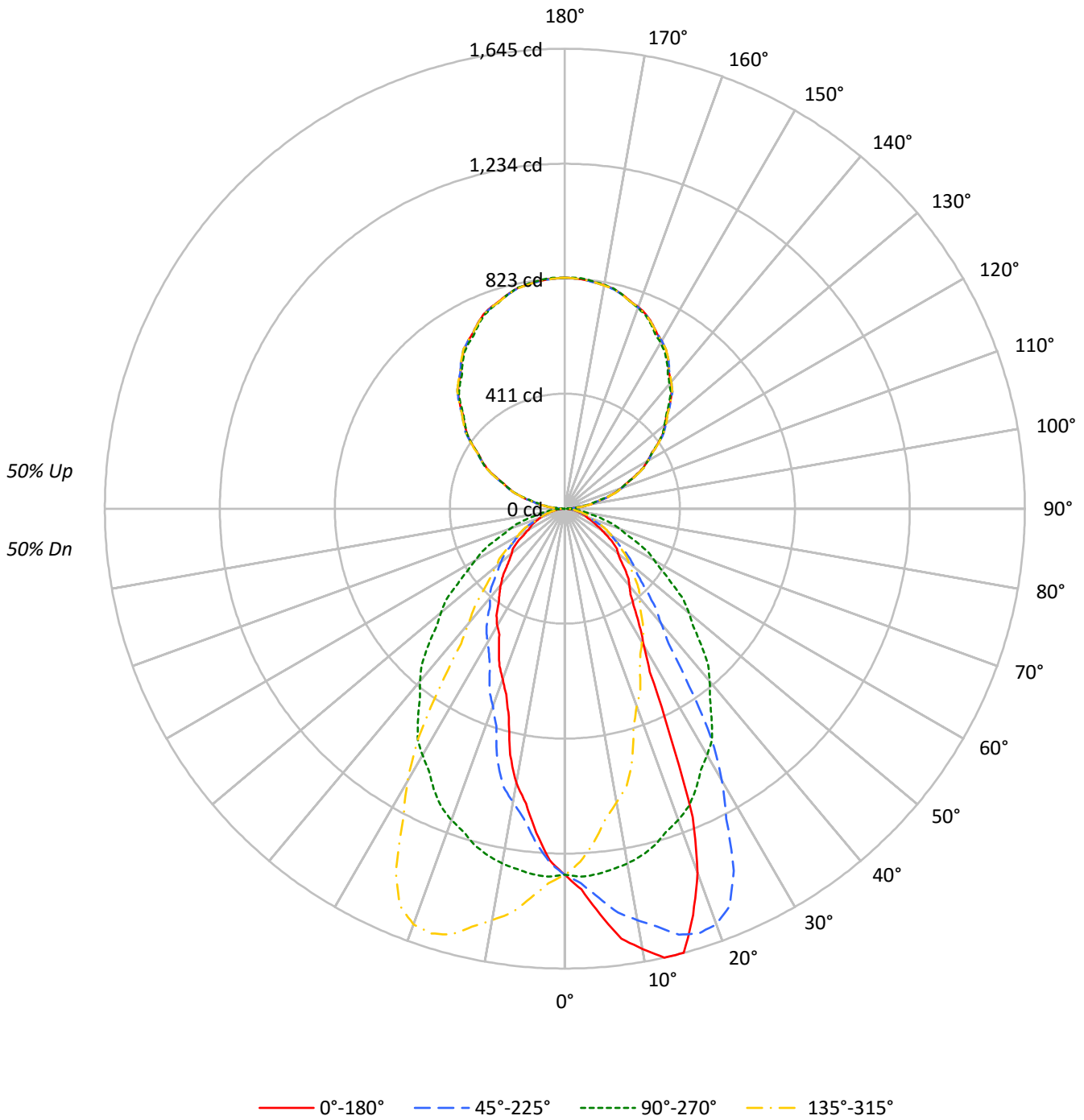
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	88	91	87	84	81	74	72	70	62	60	59	50	49	48	43
2	90	83	78	73	83	77	72	68	66	62	59	55	53	50	45	44	42	37
3	83	74	67	62	76	69	63	58	59	54	51	50	46	44	41	39	37	33
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	32	29
5	70	59	52	46	65	55	49	43	48	43	39	41	37	34	34	31	29	26
6	65	54	46	40	60	50	43	38	43	38	34	37	33	30	31	28	26	23
7	60	49	41	36	56	46	39	34	40	34	30	34	30	27	29	26	23	21
8	56	45	37	32	52	42	35	31	36	31	27	31	27	24	27	24	21	19
9	53	41	34	29	49	38	32	28	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	23	27	23	20	23	20	18	16

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	2.7
10°-20°	346.0	7.6
20°-30°	445.9	9.7
30°-40°	423.7	9.3
40°-50°	363.0	7.9
50°-60°	276.4	6.0
60°-70°	174.7	3.8
70°-80°	87.3	1.9
80°-90°	26.0	0.6
90°-100°	52.3	1.1
100°-110°	162.5	3.6
110°-120°	277.9	6.1
120°-130°	365.4	8.0
130°-140°	410.1	9.0
140°-150°	402.1	8.8
150°-160°	337.3	7.4
160°-170°	223.7	4.9
170°-180°	78.2	1.7
0°-30°	916.1	20.0
0°-40°	1339.8	29.3
0°-60°	1979.2	43.2
0°-90°	2267.3	49.5
90°-120°	492.7	10.8
90°-150°	1670.3	36.5
90°-180°	2309.0	50.5
0°-180°	4576.7	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°	24	1	24	1	24	11
95°	43	36	43	36	43	48
105°	155	150	155	150	155	163
115°	279	279	279	279	279	275
125°	407	406	407	406	407	363
135°	531	525	531	525	531	409
145°	644	637	644	637	644	402
155°	734	728	734	728	734	338
165°	793	792	793	792	793	224
175°	822	825	822	825	822	78
180°	826	826	826	826	826	



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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°	10.5	10.9	10.9	10.9	10.8	10.8	10.9	11.3	11.0	11.4	10.3
90°	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8	24.1	24.4	21.0
92.5°	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3	22.2	22.2	21.4
95°	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6	44.6	44.6	44.3
97.5°	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.4
100°	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	95.7
102.5°	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3	119.1	119.0	118.4
105°	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0	153.6	153.4	153.0
107.5°	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4	191.3	191.1	191.1
110°	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8	216.8	216.8	216.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2	242.6	243.0	243.1
115°	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2	281.4	281.6	281.9
117.5°	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1	319.4	319.8	320.7
120°	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3	344.3	344.3	345.5
122.5°	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3	370.7	371.0	371.9
125°	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9	409.4	409.8	410.3
127.5°	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4	446.9	447.5	448.0
130°	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0	472.3	472.6	472.9
132.5°	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9	497.6	498.2	498.1
135°	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6	533.8	533.9	533.6
137.5°	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8	568.9	569.0	568.6
140°	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5	592.5	592.5	591.7
142.5°	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9	613.8	613.7	613.1
145°	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4	646.3	646.1	645.2
147.5°	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9	674.6	674.3	673.7
150°	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0	692.6	692.1	691.5
152.5°	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1	710.5	710.0	709.2
155°	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1	733.3	732.5	732.1
157.5°	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3	754.2	753.1	752.9
160°	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9	767.0	766.0	765.9
162.5°	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3	778.2	777.1	777.0
165°	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0	792.9	791.8	791.8
167.5°	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1	805.0	803.9	804.0
170°	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8	811.7	810.6	810.7
172.5°	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8	816.7	815.6	815.8
175°	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2	822.2	821.1	821.4
177.5°	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7	825.0	824.3	824.5
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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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°	9.7	9.4	8.7	7.8	7.8	7.8	9.3	10.7	9.6	8.9	8.6
90°	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7	2.6	4.5	6.2
92.5°	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4	13.7	15.2	16.5
95°	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2	37.8	39.3	40.9
97.5°	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3	67.6	68.9	70.3
100°	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5	89.8	91.0	92.2
102.5°	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9	112.9	114.0	114.9
105°	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9	150.3	150.8	151.2
107.5°	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1	188.8	189.4	190.1
110°	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6	213.5	214.5	215.3



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3	240.3	241.2	242.1
115°	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8	279.7	280.6	281.6
117.5°	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1	319.3	320.6	321.8
120°	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	345.5	346.8	348.0
122.5°	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3	369.8	371.3	372.7
125°	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6	407.1	408.4	409.8
127.5°	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0	443.8	445.6	447.4
130°	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9	466.9	469.0	470.9
132.5°	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5	492.2	493.8	495.4
135°	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9	526.6	528.2	529.9
137.5°	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0	562.3	563.7	565.2
140°	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7	584.1	585.5	586.8
142.5°	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0	606.4	607.8	609.2
145°	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0	638.1	639.3	640.3
147.5°	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7	666.9	668.2	669.5
150°	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2	686.1	687.0	688.0
152.5°	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4	703.4	704.3	705.3
155°	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3	728.8	729.3	729.8
157.5°	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6	750.8	751.2	751.4
160°	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9	764.2	764.6	764.8
162.5°	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1	776.2	776.3	776.3
165°	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5	792.4	792.2	792.0
167.5°	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1	805.7	805.2	804.8
170°	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4	813.0	812.4	812.0
172.5°	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4	818.0	817.5	817.0
175°	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6	824.1	823.6	823.1
177.5°	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1	826.7	826.3	825.9
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-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°	8.6	8.7	8.6	9.4	10.0	10.3	10.3	9.8	9.8	9.7	9.4
90°	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8	23.5	23.2	23.1
92.5°	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3	22.4	22.4	22.5
95°	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6	44.6	44.6	44.5
97.5°	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0	75.0	75.0	75.0
100°	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2	96.2	96.2	96.1
102.5°	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3	119.4	119.6	119.5
105°	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0	154.3	154.6	154.7
107.5°	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4	191.5	191.6	191.4
110°	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.5



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2	241.8	241.5	241.1
115°	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2	281.2	281.0	280.6
117.5°	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1	318.7	318.3	317.9
120°	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3	344.3	344.3	344.1
122.5°	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3	370.0	369.6	369.3
125°	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9	408.4	408.0	407.7
127.5°	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4	445.8	445.2	444.7
130°	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0	471.6	471.4	470.8
132.5°	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9	496.1	495.5	494.9
135°	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6	533.4	533.2	533.0
137.5°	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8	568.6	568.6	568.2
140°	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5	592.5	592.5	592.1
142.5°	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9	614.0	614.1	613.9
145°	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4	646.6	646.8	646.5
147.5°	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9	675.3	675.6	675.6
150°	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0	693.5	694.0	694.0
152.5°	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1	711.8	712.3	712.3
155°	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1	734.9	735.7	735.8
157.5°	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3	756.3	757.4	757.5
160°	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9	768.8	769.7	769.9
162.5°	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3	780.3	781.4	781.5
165°	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0	795.0	796.1	796.3
167.5°	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1	807.2	808.2	808.4
170°	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8	813.9	814.9	815.0
172.5°	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8	818.9	819.9	820.0
175°	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2	824.3	825.4	825.5
177.5°	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7	826.5	827.2	827.2
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-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°	9.4	9.0	9.5	9.1	9.5	9.0	9.4	9.4	9.7	9.8	9.8
90°	23.3	23.4	23.5	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8
92.5°	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3
95°	44.1	43.9	43.5	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6
97.5°	75.0	74.9	74.9	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
100°	95.9	95.8	95.7	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2
102.5°	119.4	119.2	119.0	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3
105°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0
107.5°	190.6	189.9	189.2	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4
110°	216.1	215.6	215.2	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8



TEST NUMBER: P331688-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.4	240.1	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2
115°	280.2	279.7	279.3	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2
117.5°	317.4	316.9	316.5	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1
120°	343.6	343.1	342.7	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3
122.5°	368.9	368.5	368.2	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3
125°	407.5	407.3	407.2	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9
127.5°	444.3	443.7	443.3	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4
130°	470.2	469.7	469.0	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0
132.5°	494.4	493.9	493.4	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9
135°	532.5	532.1	531.5	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6
137.5°	567.6	566.9	566.3	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8
140°	591.6	590.9	590.3	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5
142.5°	613.2	612.6	612.1	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9
145°	645.9	645.2	644.6	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4
147.5°	674.9	674.3	673.8	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9
150°	693.5	693.0	692.6	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0
152.5°	711.8	711.1	710.5	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1
155°	735.3	734.9	734.4	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1
157.5°	756.8	756.1	755.3	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3
160°	769.3	768.7	768.0	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9
162.5°	780.8	780.1	779.3	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3
165°	795.5	794.7	794.0	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0
167.5°	807.6	806.8	806.0	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1
170°	814.1	813.2	812.3	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8
172.5°	819.1	818.1	817.3	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8
175°	824.6	823.6	822.7	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2
177.5°	826.5	825.7	825.0	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-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°	10.3	10.3	10.0	9.4	8.6	8.7	8.6	8.6	8.9	9.6	10.7
90°	24.1	24.4	21.0	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7
92.5°	22.2	22.2	21.4	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4
95°	44.6	44.6	44.3	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2
97.5°	75.0	75.0	74.4	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3
100°	96.2	96.2	95.7	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5
102.5°	119.1	119.0	118.4	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9
105°	153.6	153.4	153.0	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9
107.5°	191.3	191.1	191.1	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1
110°	216.8	216.8	216.8	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6



TEST NUMBER: P331688-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	242.6	243.0	243.1	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3
115°	281.4	281.6	281.9	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8
117.5°	319.4	319.8	320.7	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1
120°	344.3	344.3	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3
122.5°	370.7	371.0	371.9	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3
125°	409.4	409.8	410.3	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6
127.5°	446.9	447.5	448.0	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0
130°	472.3	472.6	472.9	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9
132.5°	497.6	498.2	498.1	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5
135°	533.8	533.9	533.6	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9
137.5°	568.9	569.0	568.6	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0
140°	592.5	592.5	591.7	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7
142.5°	613.8	613.7	613.1	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0
145°	646.3	646.1	645.2	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0
147.5°	674.6	674.3	673.7	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7
150°	692.6	692.1	691.5	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2
152.5°	710.5	710.0	709.2	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4
155°	733.3	732.5	732.1	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3
157.5°	754.2	753.1	752.9	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6
160°	767.0	766.0	765.9	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9
162.5°	778.2	777.1	777.0	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1
165°	792.9	791.8	791.8	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5
167.5°	805.0	803.9	804.0	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1
170°	811.7	810.6	810.7	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4
172.5°	816.7	815.6	815.8	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4
175°	822.2	821.1	821.4	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6
177.5°	825.0	824.3	824.5	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331688-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-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°	9.3	7.8	7.8	7.8	8.7	9.4	9.7	10.3	11.4	11.0	11.3
90°	2.6	4.5	6.2	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8
92.5°	13.7	15.2	16.5	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3
95°	37.8	39.3	40.9	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6
97.5°	67.6	68.9	70.3	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0
100°	89.8	91.0	92.2	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2
102.5°	112.9	114.0	114.9	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3
105°	150.3	150.8	151.2	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0
107.5°	188.8	189.4	190.1	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4
110°	213.5	214.5	215.3	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	240.3	241.2	242.1	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2
115°	279.7	280.6	281.6	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2
117.5°	319.3	320.6	321.8	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1
120°	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3
122.5°	369.8	371.3	372.7	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3
125°	407.1	408.4	409.8	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9
127.5°	443.8	445.6	447.4	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4
130°	466.9	469.0	470.9	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0
132.5°	492.2	493.8	495.4	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9
135°	526.6	528.2	529.9	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6
137.5°	562.3	563.7	565.2	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8
140°	584.1	585.5	586.8	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5
142.5°	606.4	607.8	609.2	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9
145°	638.1	639.3	640.3	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4
147.5°	666.9	668.2	669.5	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9
150°	686.1	687.0	688.0	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0
152.5°	703.4	704.3	705.3	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1
155°	728.8	729.3	729.8	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1
157.5°	750.8	751.2	751.4	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3
160°	764.2	764.6	764.8	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9
162.5°	776.2	776.3	776.3	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3
165°	792.4	792.2	792.0	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0
167.5°	805.7	805.2	804.8	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1
170°	813.0	812.4	812.0	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8
172.5°	818.0	817.5	817.0	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8
175°	824.1	823.6	823.1	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2
177.5°	826.7	826.3	825.9	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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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°	10.9	10.8	10.8	10.9	10.9	10.9	10.5
90°	23.5	23.2	23.1	23.3	23.4	23.5	23.7
92.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6
95°	44.6	44.6	44.5	44.1	43.9	43.5	43.2
97.5°	75.0	75.0	75.0	75.0	74.9	74.9	74.8
100°	96.2	96.2	96.1	95.9	95.8	95.7	95.5
102.5°	119.4	119.6	119.5	119.4	119.2	119.0	118.9
105°	154.3	154.6	154.7	154.7	154.7	154.7	154.7
107.5°	191.5	191.6	191.4	190.6	189.9	189.2	188.5
110°	216.8	216.8	216.5	216.1	215.6	215.2	214.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	241.8	241.5	241.1	240.8	240.4	240.1	239.8
115°	281.2	281.0	280.6	280.2	279.7	279.3	278.8
117.5°	318.7	318.3	317.9	317.4	316.9	316.5	316.0
120°	344.3	344.3	344.1	343.6	343.1	342.7	342.2
122.5°	370.0	369.6	369.3	368.9	368.5	368.2	367.9
125°	408.4	408.0	407.7	407.5	407.3	407.2	407.1
127.5°	445.8	445.2	444.7	444.3	443.7	443.3	442.7
130°	471.6	471.4	470.8	470.2	469.7	469.0	468.4
132.5°	496.1	495.5	494.9	494.4	493.9	493.4	492.9
135°	533.4	533.2	533.0	532.5	532.1	531.5	531.1
137.5°	568.6	568.6	568.2	567.6	566.9	566.3	565.7
140°	592.5	592.5	592.1	591.6	590.9	590.3	589.7
142.5°	614.0	614.1	613.9	613.2	612.6	612.1	611.4
145°	646.6	646.8	646.5	645.9	645.2	644.6	644.0
147.5°	675.3	675.6	675.6	674.9	674.3	673.8	673.2
150°	693.5	694.0	694.0	693.5	693.0	692.6	692.1
152.5°	711.8	712.3	712.3	711.8	711.1	710.5	710.0
155°	734.9	735.7	735.8	735.3	734.9	734.4	734.0
157.5°	756.3	757.4	757.5	756.8	756.1	755.3	754.6
160°	768.8	769.7	769.9	769.3	768.7	768.0	767.4
162.5°	780.3	781.4	781.5	780.8	780.1	779.3	778.6
165°	795.0	796.1	796.3	795.5	794.7	794.0	793.2
167.5°	807.2	808.2	808.4	807.6	806.8	806.0	805.2
170°	813.9	814.9	815.0	814.1	813.2	812.3	811.3
172.5°	818.9	819.9	820.0	819.1	818.1	817.3	816.4
175°	824.3	825.4	825.5	824.6	823.6	822.7	821.8
177.5°	826.5	827.2	827.2	826.5	825.7	825.0	824.3
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9

(END OF REPORT)