

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: P331681-940

Luminaire Tested: **SA2XXRDIP-C675D530U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331681-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

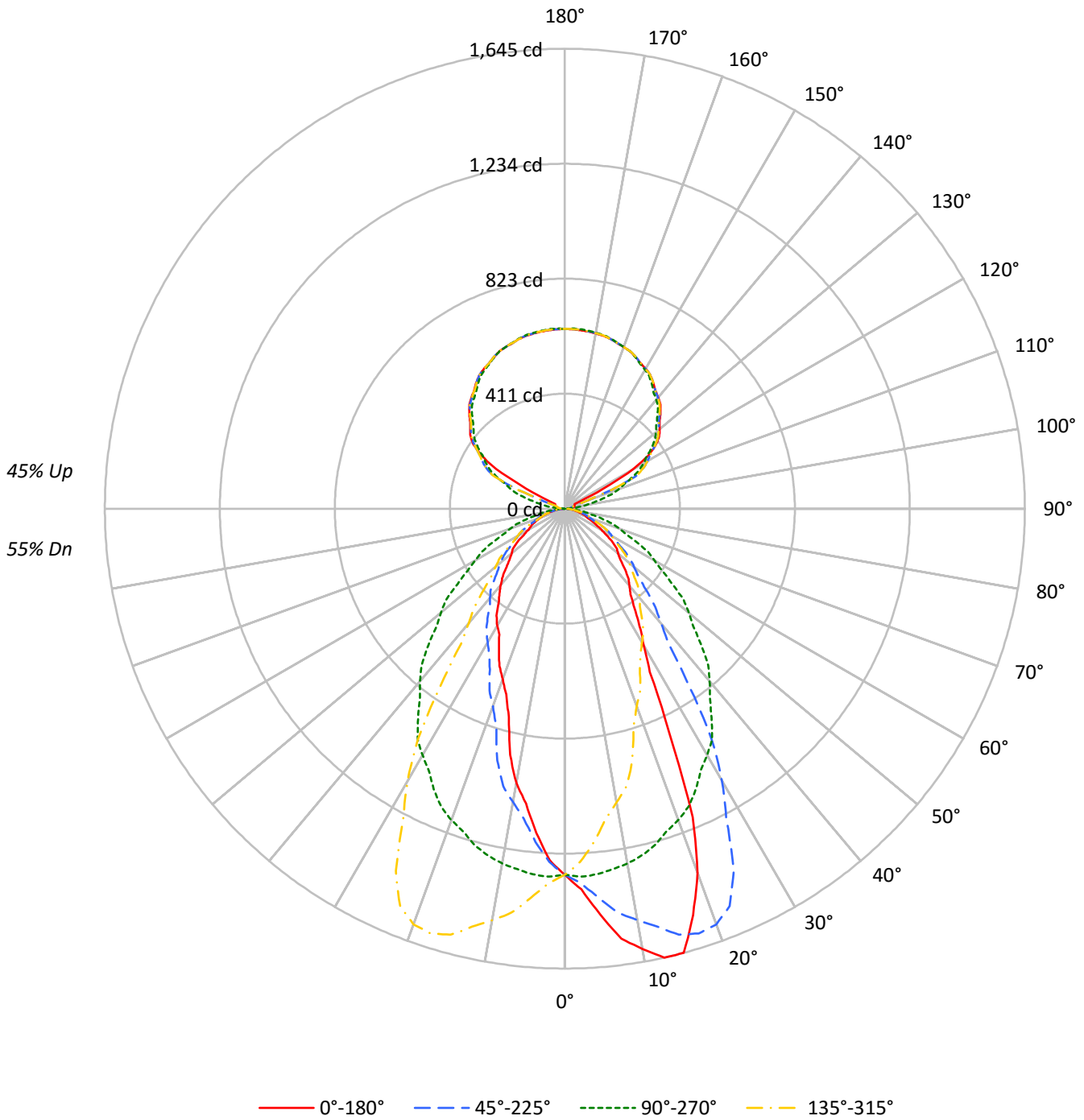
Lumens per Lamp: N/A  
Luminaire Lumens: 4150.3 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 40.3  
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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55				
1	100	96	92	89	92	89	86	83	77	74	72	65	64	62	55	54	53	48				
2	91	85	79	74	85	79	74	70	68	64	61	58	56	53	49	47	46	41				
3	84	75	68	63	78	70	64	59	61	56	53	52	49	46	44	42	40	36				
4	77	67	60	54	72	63	56	51	55	50	46	47	44	40	40	38	35	32				
5	71	60	53	47	66	57	50	45	50	44	40	43	39	36	37	34	31	28				
6	66	55	47	41	62	51	44	39	45	40	36	39	35	32	34	31	28	25				
7	62	50	42	37	57	47	40	35	41	36	32	36	32	29	31	28	26	23				
8	57	46	38	33	53	43	36	32	38	33	29	33	29	26	29	26	23	21				
9	54	42	35	30	50	40	33	29	35	30	26	31	27	24	27	24	21	19				
10	50	39	32	27	47	37	30	26	33	27	24	29	25	22	25	22	20	18				

**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	3.0
10°-20°	346.0	8.3
20°-30°	445.9	10.7
30°-40°	423.7	10.2
40°-50°	363.0	8.7
50°-60°	276.4	6.7
60°-70°	174.7	4.2
70°-80°	87.3	2.1
80°-90°	24.3	0.6
90°-100°	21.5	0.5
100°-110°	78.7	1.9
110°-120°	210.3	5.1
120°-130°	347.1	8.4
130°-140°	369.2	8.9
140°-150°	343.1	8.3
150°-160°	275.9	6.6
160°-170°	177.8	4.3
170°-180°	61.2	1.5
0°-30°	916.1	22.1
0°-40°	1339.8	32.3
0°-60°	1979.2	47.7
0°-90°	2265.5	54.6
90°-120°	310.4	7.5
90°-150°	1369.9	33.0
90°-180°	1885.0	45.4
0°-180°	4150.3	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°	13	0	13	0	13	6
95°	20	30	20	30	20	19
105°	35	141	35	141	35	37
115°	38	268	38	268	38	96
125°	398	378	398	378	398	344
135°	484	468	484	468	484	373
145°	551	543	551	543	551	345
155°	598	598	598	598	598	276
165°	629	630	629	630	629	177
175°	641	644	641	644	641	61
180°	643	643	643	643	643	



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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°	8.4	8.6	8.6	8.6	8.6	8.5	8.4	8.6	8.1	8.4	7.8
90°	12.6	12.4	12.1	11.9	11.8	11.4	10.9	10.3	9.8	9.3	8.5
92.5°	12.6	12.5	12.3	12.2	12.0	11.9	11.6	11.3	11.1	10.8	10.3
95°	20.0	20.2	20.2	20.3	20.4	20.2	19.7	19.2	18.6	18.2	17.4
97.5°	26.8	26.6	26.5	26.3	26.2	25.9	25.5	25.1	24.7	24.3	22.6
100°	31.2	30.9	30.8	30.6	30.3	29.9	29.0	28.2	27.4	26.5	24.8
102.5°	33.4	33.1	32.8	32.5	32.3	31.6	30.5	29.4	28.4	27.3	42.0
105°	35.4	35.0	34.5	34.2	33.7	32.9	31.8	30.7	29.5	28.4	56.6
107.5°	36.4	35.9	35.6	35.1	34.8	35.1	36.3	37.5	38.6	39.8	73.6
110°	36.7	36.4	35.9	35.5	35.1	40.0	50.4	60.7	71.1	81.4	111.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	37.1	36.8	36.5	36.1	35.8	54.5	92.2	129.9	167.6	205.5	212.8
115°	38.2	45.6	53.1	60.5	67.9	95.6	143.5	191.4	239.2	287.1	284.5
117.5°	155.8	180.3	204.7	229.2	253.7	271.7	283.3	294.9	306.5	318.0	316.3
120°	283.8	297.8	311.8	325.7	339.7	346.1	344.8	343.6	342.3	341.1	339.2
122.5°	354.2	357.0	359.6	362.4	365.1	366.0	365.3	364.5	363.8	363.1	361.1
125°	397.9	397.6	397.3	397.0	396.6	396.1	395.4	394.7	394.0	393.2	391.3
127.5°	425.4	425.3	425.3	425.3	425.2	424.6	423.6	422.5	421.4	420.4	418.9
130°	442.6	442.6	442.7	442.8	443.0	442.5	441.3	440.1	439.1	437.9	436.8
132.5°	459.3	459.4	459.5	459.6	459.7	459.3	458.3	457.4	456.4	455.4	454.2
135°	483.5	483.8	483.9	484.1	484.4	483.9	482.9	481.9	480.8	479.7	478.8
137.5°	505.6	506.0	506.2	506.6	506.9	506.7	505.6	504.6	503.6	502.6	501.5
140°	519.3	519.9	520.4	520.8	521.4	521.2	520.2	519.3	518.4	517.5	516.3
142.5°	532.7	533.2	533.8	534.3	534.8	534.7	533.8	533.0	532.1	531.3	529.9
145°	551.4	552.0	552.5	553.0	553.5	553.4	552.7	552.0	551.3	550.5	548.8
147.5°	567.9	568.4	568.8	569.3	569.6	569.6	569.1	568.6	568.0	567.5	565.7
150°	578.0	578.5	579.0	579.5	580.1	580.0	579.3	578.7	578.1	577.5	575.9
152.5°	586.6	587.2	587.9	588.6	589.2	589.3	588.7	588.1	587.5	586.8	585.2
155°	598.4	599.3	600.1	600.9	601.7	601.9	601.3	600.7	600.0	599.4	598.2
157.5°	609.3	610.1	610.9	611.7	612.6	612.6	611.9	611.2	610.5	609.8	608.9
160°	615.6	616.4	617.2	617.9	618.6	618.6	618.0	617.3	616.8	616.2	615.5
162.5°	620.9	621.8	622.7	623.6	624.5	624.6	623.8	623.1	622.4	621.7	621.2
165°	628.7	629.5	630.2	630.9	631.6	631.6	630.9	630.2	629.5	628.7	628.4
167.5°	633.6	634.5	635.5	636.4	637.4	637.5	636.8	636.0	635.3	634.5	634.3
170°	636.6	637.6	638.5	639.4	640.3	640.4	639.7	639.0	638.3	637.6	637.3
172.5°	638.8	639.8	640.7	641.7	642.6	642.7	641.9	641.2	640.5	639.8	639.5
175°	640.8	641.9	642.8	643.9	645.0	645.1	644.4	643.6	642.9	642.2	641.9
177.5°	642.0	642.7	643.5	644.3	645.0	645.1	644.5	643.9	643.4	642.7	642.7
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



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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	7.9	7.8	7.2	7.3	7.5	9.1	10.6	9.5	8.6	8.0
90°	7.7	6.9	6.0	5.0	3.8	2.8	1.6	0.4	1.6	2.8	3.8
92.5°	10.0	9.5	9.2	9.0	9.1	9.2	9.3	9.4	9.3	9.2	9.1
95°	16.7	16.0	15.2	16.6	20.0	23.5	26.8	30.2	26.8	23.5	20.0
97.5°	21.0	19.3	17.6	21.6	31.2	40.8	50.4	60.0	50.4	40.8	31.2
100°	23.0	21.2	19.5	25.7	39.9	54.0	68.2	82.4	68.2	54.0	39.9
102.5°	56.7	71.4	86.1	95.0	97.9	100.9	104.0	106.9	104.0	100.9	97.9
105°	84.9	113.1	141.3	153.9	150.8	147.7	144.5	141.4	144.5	147.7	150.8
107.5°	107.5	141.3	175.1	190.8	188.3	185.8	183.3	180.8	183.3	185.8	188.3
110°	141.2	171.1	201.0	214.8	212.7	210.5	208.3	206.2	208.3	210.5	212.7





TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	220.2	227.6	235.0	237.6	235.8	233.8	231.9	230.0	231.9	233.8	235.8
115°	282.0	279.4	276.8	274.6	272.9	271.1	269.3	267.6	269.3	271.1	272.9
117.5°	314.5	312.7	310.9	309.1	307.1	305.1	303.2	301.2	303.2	305.1	307.1
120°	337.4	335.6	333.7	332.0	330.4	328.9	327.3	325.7	327.3	328.9	330.4
122.5°	359.0	357.0	355.0	353.1	351.5	349.9	348.2	346.6	348.2	349.9	351.5
125°	389.3	387.4	385.4	383.7	382.4	381.0	379.7	378.4	379.7	381.0	382.4
127.5°	417.5	416.0	414.6	413.0	411.5	410.1	408.6	407.1	408.6	410.1	411.5
130°	435.6	434.5	433.4	431.9	430.3	428.6	427.0	425.3	427.0	428.6	430.3
132.5°	453.2	452.0	450.8	449.6	448.2	446.7	445.3	444.0	445.3	446.7	448.2
135°	478.0	477.0	476.1	474.7	473.1	471.4	469.8	468.1	469.8	471.4	473.1
137.5°	500.5	499.4	498.4	497.2	496.1	494.9	493.7	492.7	493.7	494.9	496.1
140°	515.2	514.1	512.9	511.9	511.1	510.3	509.4	508.6	509.4	510.3	511.1
142.5°	528.6	527.4	526.0	525.0	524.2	523.5	522.8	522.0	522.8	523.5	524.2
145°	547.0	545.3	543.5	542.7	542.8	542.9	543.0	543.1	543.0	542.9	542.8
147.5°	564.0	562.2	560.5	559.8	560.3	560.6	561.0	561.4	561.0	560.6	560.3
150°	574.2	572.6	570.9	570.4	571.1	571.9	572.6	573.3	572.6	571.9	571.1
152.5°	583.7	582.1	580.5	580.1	580.9	581.8	582.6	583.4	582.6	581.8	580.9
155°	596.9	595.7	594.4	594.2	595.2	596.1	597.1	598.0	597.1	596.1	595.2
157.5°	608.1	607.2	606.4	606.3	607.1	607.9	608.7	609.4	608.7	607.9	607.1
160°	614.9	614.3	613.7	613.7	614.3	614.9	615.5	616.2	615.5	614.9	614.3
162.5°	620.6	620.1	619.6	619.6	620.2	620.8	621.4	622.1	621.4	620.8	620.2
165°	628.0	627.8	627.5	627.6	628.2	628.8	629.5	630.1	629.5	628.8	628.2
167.5°	634.0	633.6	633.4	633.6	634.2	634.8	635.4	636.1	635.4	634.8	634.2
170°	637.1	636.9	636.7	636.9	637.6	638.2	638.8	639.4	638.8	638.2	637.6
172.5°	639.4	639.2	638.9	639.2	639.8	640.4	641.1	641.7	641.1	640.4	639.8
175°	641.8	641.6	641.4	641.6	642.4	643.1	643.8	644.5	643.8	643.1	642.4
177.5°	642.6	642.5	642.4	642.7	643.3	643.8	644.4	645.0	644.4	643.8	643.3
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**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°	7.9	7.8	7.2	7.4	7.5	7.3	7.4	7.1	7.3	7.4	7.0
90°	5.0	6.0	6.9	7.7	8.5	9.3	9.8	10.3	10.9	11.4	11.8
92.5°	9.0	9.2	9.5	10.0	10.3	10.8	11.1	11.3	11.6	11.9	12.0
95°	16.6	15.2	16.0	16.7	17.4	18.2	18.6	19.2	19.7	20.2	20.4
97.5°	21.6	17.6	19.3	21.0	22.6	24.3	24.7	25.1	25.5	25.9	26.2
100°	25.7	19.5	21.2	23.0	24.8	26.5	27.4	28.2	29.0	29.9	30.3
102.5°	95.0	86.1	71.4	56.7	42.0	27.3	28.4	29.4	30.5	31.6	32.3
105°	153.9	141.3	113.1	84.9	56.6	28.4	29.5	30.7	31.8	32.9	33.7
107.5°	190.8	175.1	141.3	107.5	73.6	39.8	38.6	37.5	36.3	35.1	34.8
110°	214.8	201.0	171.1	141.2	111.3	81.4	71.1	60.7	50.4	40.0	35.1



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.6	235.0	227.6	220.2	212.8	205.5	167.6	129.9	92.2	54.5	35.8
115°	274.6	276.8	279.4	282.0	284.5	287.1	239.2	191.4	143.5	95.6	67.9
117.5°	309.1	310.9	312.7	314.5	316.3	318.0	306.5	294.9	283.3	271.7	253.7
120°	332.0	333.7	335.6	337.4	339.2	341.1	342.3	343.6	344.8	346.1	339.7
122.5°	353.1	355.0	357.0	359.0	361.1	363.1	363.8	364.5	365.3	366.0	365.1
125°	383.7	385.4	387.4	389.3	391.3	393.2	394.0	394.7	395.4	396.1	396.6
127.5°	413.0	414.6	416.0	417.5	418.9	420.4	421.4	422.5	423.6	424.6	425.2
130°	431.9	433.4	434.5	435.6	436.8	437.9	439.1	440.1	441.3	442.5	443.0
132.5°	449.6	450.8	452.0	453.2	454.2	455.4	456.4	457.4	458.3	459.3	459.7
135°	474.7	476.1	477.0	478.0	478.8	479.7	480.8	481.9	482.9	483.9	484.4
137.5°	497.2	498.4	499.4	500.5	501.5	502.6	503.6	504.6	505.6	506.7	506.9
140°	511.9	512.9	514.1	515.2	516.3	517.5	518.4	519.3	520.2	521.2	521.4
142.5°	525.0	526.0	527.4	528.6	529.9	531.3	532.1	533.0	533.8	534.7	534.8
145°	542.7	543.5	545.3	547.0	548.8	550.5	551.3	552.0	552.7	553.4	553.5
147.5°	559.8	560.5	562.2	564.0	565.7	567.5	568.0	568.6	569.1	569.6	569.6
150°	570.4	570.9	572.6	574.2	575.9	577.5	578.1	578.7	579.3	580.0	580.1
152.5°	580.1	580.5	582.1	583.7	585.2	586.8	587.5	588.1	588.7	589.3	589.2
155°	594.2	594.4	595.7	596.9	598.2	599.4	600.0	600.7	601.3	601.9	601.7
157.5°	606.3	606.4	607.2	608.1	608.9	609.8	610.5	611.2	611.9	612.6	612.6
160°	613.7	613.7	614.3	614.9	615.5	616.2	616.8	617.3	618.0	618.6	618.6
162.5°	619.6	619.6	620.1	620.6	621.2	621.7	622.4	623.1	623.8	624.6	624.5
165°	627.6	627.5	627.8	628.0	628.4	628.7	629.5	630.2	630.9	631.6	631.6
167.5°	633.6	633.4	633.6	634.0	634.3	634.5	635.3	636.0	636.8	637.5	637.4
170°	636.9	636.7	636.9	637.1	637.3	637.6	638.3	639.0	639.7	640.4	640.3
172.5°	639.2	638.9	639.2	639.4	639.5	639.8	640.5	641.2	641.9	642.7	642.6
175°	641.6	641.4	641.6	641.8	641.9	642.2	642.9	643.6	644.4	645.1	645.0
177.5°	642.7	642.4	642.5	642.6	642.7	642.7	643.4	643.9	644.5	645.1	645.0
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**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°	7.1	6.8	7.2	6.9	7.2	6.8	7.1	7.0	7.4	7.3	7.1
90°	11.9	12.1	12.4	12.6	12.4	12.1	11.9	11.8	11.4	10.9	10.3
92.5°	12.2	12.3	12.5	12.6	12.5	12.3	12.2	12.0	11.9	11.6	11.3
95°	20.3	20.2	20.2	20.0	20.2	20.2	20.3	20.4	20.2	19.7	19.2
97.5°	26.3	26.5	26.6	26.8	26.6	26.5	26.3	26.2	25.9	25.5	25.1
100°	30.6	30.8	30.9	31.2	30.9	30.8	30.6	30.3	29.9	29.0	28.2
102.5°	32.5	32.8	33.1	33.4	33.1	32.8	32.5	32.3	31.6	30.5	29.4
105°	34.2	34.5	35.0	35.4	35.0	34.5	34.2	33.7	32.9	31.8	30.7
107.5°	35.1	35.6	35.9	36.4	35.9	35.6	35.1	34.8	35.1	36.3	37.5
110°	35.5	35.9	36.4	36.7	36.4	35.9	35.5	35.1	40.0	50.4	60.7



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	36.1	36.5	36.8	37.1	36.8	36.5	36.1	35.8	54.5	92.2	129.9
115°	60.5	53.1	45.6	38.2	45.6	53.1	60.5	67.9	95.6	143.5	191.4
117.5°	229.2	204.7	180.3	155.8	180.3	204.7	229.2	253.7	271.7	283.3	294.9
120°	325.7	311.8	297.8	283.8	297.8	311.8	325.7	339.7	346.1	344.8	343.6
122.5°	362.4	359.6	357.0	354.2	357.0	359.6	362.4	365.1	366.0	365.3	364.5
125°	397.0	397.3	397.6	397.9	397.6	397.3	397.0	396.6	396.1	395.4	394.7
127.5°	425.3	425.3	425.3	425.4	425.3	425.3	425.3	425.2	424.6	423.6	422.5
130°	442.8	442.7	442.6	442.6	442.6	442.7	442.8	443.0	442.5	441.3	440.1
132.5°	459.6	459.5	459.4	459.3	459.4	459.5	459.6	459.7	459.3	458.3	457.4
135°	484.1	483.9	483.8	483.5	483.8	483.9	484.1	484.4	483.9	482.9	481.9
137.5°	506.6	506.2	506.0	505.6	506.0	506.2	506.6	506.9	506.7	505.6	504.6
140°	520.8	520.4	519.9	519.3	519.9	520.4	520.8	521.4	521.2	520.2	519.3
142.5°	534.3	533.8	533.2	532.7	533.2	533.8	534.3	534.8	534.7	533.8	533.0
145°	553.0	552.5	552.0	551.4	552.0	552.5	553.0	553.5	553.4	552.7	552.0
147.5°	569.3	568.8	568.4	567.9	568.4	568.8	569.3	569.6	569.6	569.1	568.6
150°	579.5	579.0	578.5	578.0	578.5	579.0	579.5	580.1	580.0	579.3	578.7
152.5°	588.6	587.9	587.2	586.6	587.2	587.9	588.6	589.2	589.3	588.7	588.1
155°	600.9	600.1	599.3	598.4	599.3	600.1	600.9	601.7	601.9	601.3	600.7
157.5°	611.7	610.9	610.1	609.3	610.1	610.9	611.7	612.6	612.6	611.9	611.2
160°	617.9	617.2	616.4	615.6	616.4	617.2	617.9	618.6	618.6	618.0	617.3
162.5°	623.6	622.7	621.8	620.9	621.8	622.7	623.6	624.5	624.6	623.8	623.1
165°	630.9	630.2	629.5	628.7	629.5	630.2	630.9	631.6	631.6	630.9	630.2
167.5°	636.4	635.5	634.5	633.6	634.5	635.5	636.4	637.4	637.5	636.8	636.0
170°	639.4	638.5	637.6	636.6	637.6	638.5	639.4	640.3	640.4	639.7	639.0
172.5°	641.7	640.7	639.8	638.8	639.8	640.7	641.7	642.6	642.7	641.9	641.2
175°	643.9	642.8	641.9	640.8	641.9	642.8	643.9	645.0	645.1	644.4	643.6
177.5°	644.3	643.5	642.7	642.0	642.7	643.5	644.3	645.0	645.1	644.5	643.9
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**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°	7.4	7.3	7.5	7.4	7.2	7.8	7.9	8.0	8.6	9.5	10.6
90°	9.8	9.3	8.5	7.7	6.9	6.0	5.0	3.8	2.8	1.6	0.4
92.5°	11.1	10.8	10.3	10.0	9.5	9.2	9.0	9.1	9.2	9.3	9.4
95°	18.6	18.2	17.4	16.7	16.0	15.2	16.6	20.0	23.5	26.8	30.2
97.5°	24.7	24.3	22.6	21.0	19.3	17.6	21.6	31.2	40.8	50.4	60.0
100°	27.4	26.5	24.8	23.0	21.2	19.5	25.7	39.9	54.0	68.2	82.4
102.5°	28.4	27.3	42.0	56.7	71.4	86.1	95.0	97.9	100.9	104.0	106.9
105°	29.5	28.4	56.6	84.9	113.1	141.3	153.9	150.8	147.7	144.5	141.4
107.5°	38.6	39.8	73.6	107.5	141.3	175.1	190.8	188.3	185.8	183.3	180.8
110°	71.1	81.4	111.3	141.2	171.1	201.0	214.8	212.7	210.5	208.3	206.2



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	167.6	205.5	212.8	220.2	227.6	235.0	237.6	235.8	233.8	231.9	230.0
115°	239.2	287.1	284.5	282.0	279.4	276.8	274.6	272.9	271.1	269.3	267.6
117.5°	306.5	318.0	316.3	314.5	312.7	310.9	309.1	307.1	305.1	303.2	301.2
120°	342.3	341.1	339.2	337.4	335.6	333.7	332.0	330.4	328.9	327.3	325.7
122.5°	363.8	363.1	361.1	359.0	357.0	355.0	353.1	351.5	349.9	348.2	346.6
125°	394.0	393.2	391.3	389.3	387.4	385.4	383.7	382.4	381.0	379.7	378.4
127.5°	421.4	420.4	418.9	417.5	416.0	414.6	413.0	411.5	410.1	408.6	407.1
130°	439.1	437.9	436.8	435.6	434.5	433.4	431.9	430.3	428.6	427.0	425.3
132.5°	456.4	455.4	454.2	453.2	452.0	450.8	449.6	448.2	446.7	445.3	444.0
135°	480.8	479.7	478.8	478.0	477.0	476.1	474.7	473.1	471.4	469.8	468.1
137.5°	503.6	502.6	501.5	500.5	499.4	498.4	497.2	496.1	494.9	493.7	492.7
140°	518.4	517.5	516.3	515.2	514.1	512.9	511.9	511.1	510.3	509.4	508.6
142.5°	532.1	531.3	529.9	528.6	527.4	526.0	525.0	524.2	523.5	522.8	522.0
145°	551.3	550.5	548.8	547.0	545.3	543.5	542.7	542.8	542.9	543.0	543.1
147.5°	568.0	567.5	565.7	564.0	562.2	560.5	559.8	560.3	560.6	561.0	561.4
150°	578.1	577.5	575.9	574.2	572.6	570.9	570.4	571.1	571.9	572.6	573.3
152.5°	587.5	586.8	585.2	583.7	582.1	580.5	580.1	580.9	581.8	582.6	583.4
155°	600.0	599.4	598.2	596.9	595.7	594.4	594.2	595.2	596.1	597.1	598.0
157.5°	610.5	609.8	608.9	608.1	607.2	606.4	606.3	607.1	607.9	608.7	609.4
160°	616.8	616.2	615.5	614.9	614.3	613.7	613.7	614.3	614.9	615.5	616.2
162.5°	622.4	621.7	621.2	620.6	620.1	619.6	619.6	620.2	620.8	621.4	622.1
165°	629.5	628.7	628.4	628.0	627.8	627.5	627.6	628.2	628.8	629.5	630.1
167.5°	635.3	634.5	634.3	634.0	633.6	633.4	633.6	634.2	634.8	635.4	636.1
170°	638.3	637.6	637.3	637.1	636.9	636.7	636.9	637.6	638.2	638.8	639.4
172.5°	640.5	639.8	639.5	639.4	639.2	638.9	639.2	639.8	640.4	641.1	641.7
175°	642.9	642.2	641.9	641.8	641.6	641.4	641.6	642.4	643.1	643.8	644.5
177.5°	643.4	642.7	642.7	642.6	642.5	642.4	642.7	643.3	643.8	644.4	645.0
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



TEST NUMBER: P331681-940

CATALOG NUMBER: SA2XXRDIP-C675D530U940-4F0-1E-UDD-A

**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°	9.1	7.5	7.3	7.2	7.8	7.9	7.8	7.8	8.4	8.1	8.6
90°	1.6	2.8	3.8	5.0	6.0	6.9	7.7	8.5	9.3	9.8	10.3
92.5°	9.3	9.2	9.1	9.0	9.2	9.5	10.0	10.3	10.8	11.1	11.3
95°	26.8	23.5	20.0	16.6	15.2	16.0	16.7	17.4	18.2	18.6	19.2
97.5°	50.4	40.8	31.2	21.6	17.6	19.3	21.0	22.6	24.3	24.7	25.1
100°	68.2	54.0	39.9	25.7	19.5	21.2	23.0	24.8	26.5	27.4	28.2
102.5°	104.0	100.9	97.9	95.0	86.1	71.4	56.7	42.0	27.3	28.4	29.4
105°	144.5	147.7	150.8	153.9	141.3	113.1	84.9	56.6	28.4	29.5	30.7
107.5°	183.3	185.8	188.3	190.8	175.1	141.3	107.5	73.6	39.8	38.6	37.5
110°	208.3	210.5	212.7	214.8	201.0	171.1	141.2	111.3	81.4	71.1	60.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	231.9	233.8	235.8	237.6	235.0	227.6	220.2	212.8	205.5	167.6	129.9
115°	269.3	271.1	272.9	274.6	276.8	279.4	282.0	284.5	287.1	239.2	191.4
117.5°	303.2	305.1	307.1	309.1	310.9	312.7	314.5	316.3	318.0	306.5	294.9
120°	327.3	328.9	330.4	332.0	333.7	335.6	337.4	339.2	341.1	342.3	343.6
122.5°	348.2	349.9	351.5	353.1	355.0	357.0	359.0	361.1	363.1	363.8	364.5
125°	379.7	381.0	382.4	383.7	385.4	387.4	389.3	391.3	393.2	394.0	394.7
127.5°	408.6	410.1	411.5	413.0	414.6	416.0	417.5	418.9	420.4	421.4	422.5
130°	427.0	428.6	430.3	431.9	433.4	434.5	435.6	436.8	437.9	439.1	440.1
132.5°	445.3	446.7	448.2	449.6	450.8	452.0	453.2	454.2	455.4	456.4	457.4
135°	469.8	471.4	473.1	474.7	476.1	477.0	478.0	478.8	479.7	480.8	481.9
137.5°	493.7	494.9	496.1	497.2	498.4	499.4	500.5	501.5	502.6	503.6	504.6
140°	509.4	510.3	511.1	511.9	512.9	514.1	515.2	516.3	517.5	518.4	519.3
142.5°	522.8	523.5	524.2	525.0	526.0	527.4	528.6	529.9	531.3	532.1	533.0
145°	543.0	542.9	542.8	542.7	543.5	545.3	547.0	548.8	550.5	551.3	552.0
147.5°	561.0	560.6	560.3	559.8	560.5	562.2	564.0	565.7	567.5	568.0	568.6
150°	572.6	571.9	571.1	570.4	570.9	572.6	574.2	575.9	577.5	578.1	578.7
152.5°	582.6	581.8	580.9	580.1	580.5	582.1	583.7	585.2	586.8	587.5	588.1
155°	597.1	596.1	595.2	594.2	594.4	595.7	596.9	598.2	599.4	600.0	600.7
157.5°	608.7	607.9	607.1	606.3	606.4	607.2	608.1	608.9	609.8	610.5	611.2
160°	615.5	614.9	614.3	613.7	613.7	614.3	614.9	615.5	616.2	616.8	617.3
162.5°	621.4	620.8	620.2	619.6	619.6	620.1	620.6	621.2	621.7	622.4	623.1
165°	629.5	628.8	628.2	627.6	627.5	627.8	628.0	628.4	628.7	629.5	630.2
167.5°	635.4	634.8	634.2	633.6	633.4	633.6	634.0	634.3	634.5	635.3	636.0
170°	638.8	638.2	637.6	636.9	636.7	636.9	637.1	637.3	637.6	638.3	639.0
172.5°	641.1	640.4	639.8	639.2	638.9	639.2	639.4	639.5	639.8	640.5	641.2
175°	643.8	643.1	642.4	641.6	641.4	641.6	641.8	641.9	642.2	642.9	643.6
177.5°	644.4	643.8	643.3	642.7	642.4	642.5	642.6	642.7	642.7	643.4	643.9
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1	643.1



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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°	8.4	8.5	8.6	8.6	8.6	8.6	8.4
90°	10.9	11.4	11.8	11.9	12.1	12.4	12.6
92.5°	11.6	11.9	12.0	12.2	12.3	12.5	12.6
95°	19.7	20.2	20.4	20.3	20.2	20.2	20.0
97.5°	25.5	25.9	26.2	26.3	26.5	26.6	26.8
100°	29.0	29.9	30.3	30.6	30.8	30.9	31.2
102.5°	30.5	31.6	32.3	32.5	32.8	33.1	33.4
105°	31.8	32.9	33.7	34.2	34.5	35.0	35.4
107.5°	36.3	35.1	34.8	35.1	35.6	35.9	36.4
110°	50.4	40.0	35.1	35.5	35.9	36.4	36.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	92.2	54.5	35.8	36.1	36.5	36.8	37.1
115°	143.5	95.6	67.9	60.5	53.1	45.6	38.2
117.5°	283.3	271.7	253.7	229.2	204.7	180.3	155.8
120°	344.8	346.1	339.7	325.7	311.8	297.8	283.8
122.5°	365.3	366.0	365.1	362.4	359.6	357.0	354.2
125°	395.4	396.1	396.6	397.0	397.3	397.6	397.9
127.5°	423.6	424.6	425.2	425.3	425.3	425.3	425.4
130°	441.3	442.5	443.0	442.8	442.7	442.6	442.6
132.5°	458.3	459.3	459.7	459.6	459.5	459.4	459.3
135°	482.9	483.9	484.4	484.1	483.9	483.8	483.5
137.5°	505.6	506.7	506.9	506.6	506.2	506.0	505.6
140°	520.2	521.2	521.4	520.8	520.4	519.9	519.3
142.5°	533.8	534.7	534.8	534.3	533.8	533.2	532.7
145°	552.7	553.4	553.5	553.0	552.5	552.0	551.4
147.5°	569.1	569.6	569.6	569.3	568.8	568.4	567.9
150°	579.3	580.0	580.1	579.5	579.0	578.5	578.0
152.5°	588.7	589.3	589.2	588.6	587.9	587.2	586.6
155°	601.3	601.9	601.7	600.9	600.1	599.3	598.4
157.5°	611.9	612.6	612.6	611.7	610.9	610.1	609.3
160°	618.0	618.6	618.6	617.9	617.2	616.4	615.6
162.5°	623.8	624.6	624.5	623.6	622.7	621.8	620.9
165°	630.9	631.6	631.6	630.9	630.2	629.5	628.7
167.5°	636.8	637.5	637.4	636.4	635.5	634.5	633.6
170°	639.7	640.4	640.3	639.4	638.5	637.6	636.6
172.5°	641.9	642.7	642.6	641.7	640.7	639.8	638.8
175°	644.4	645.1	645.0	643.9	642.8	641.9	640.8
177.5°	644.5	645.1	645.0	644.3	643.5	642.7	642.0
180°	643.1	643.1	643.1	643.1	643.1	643.1	643.1

(END OF REPORT)