

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: P331681-935

Luminaire Tested: **SA2XXRDIP-C675D530U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331681-935  
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-C675D530U935-4F0-1E-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**

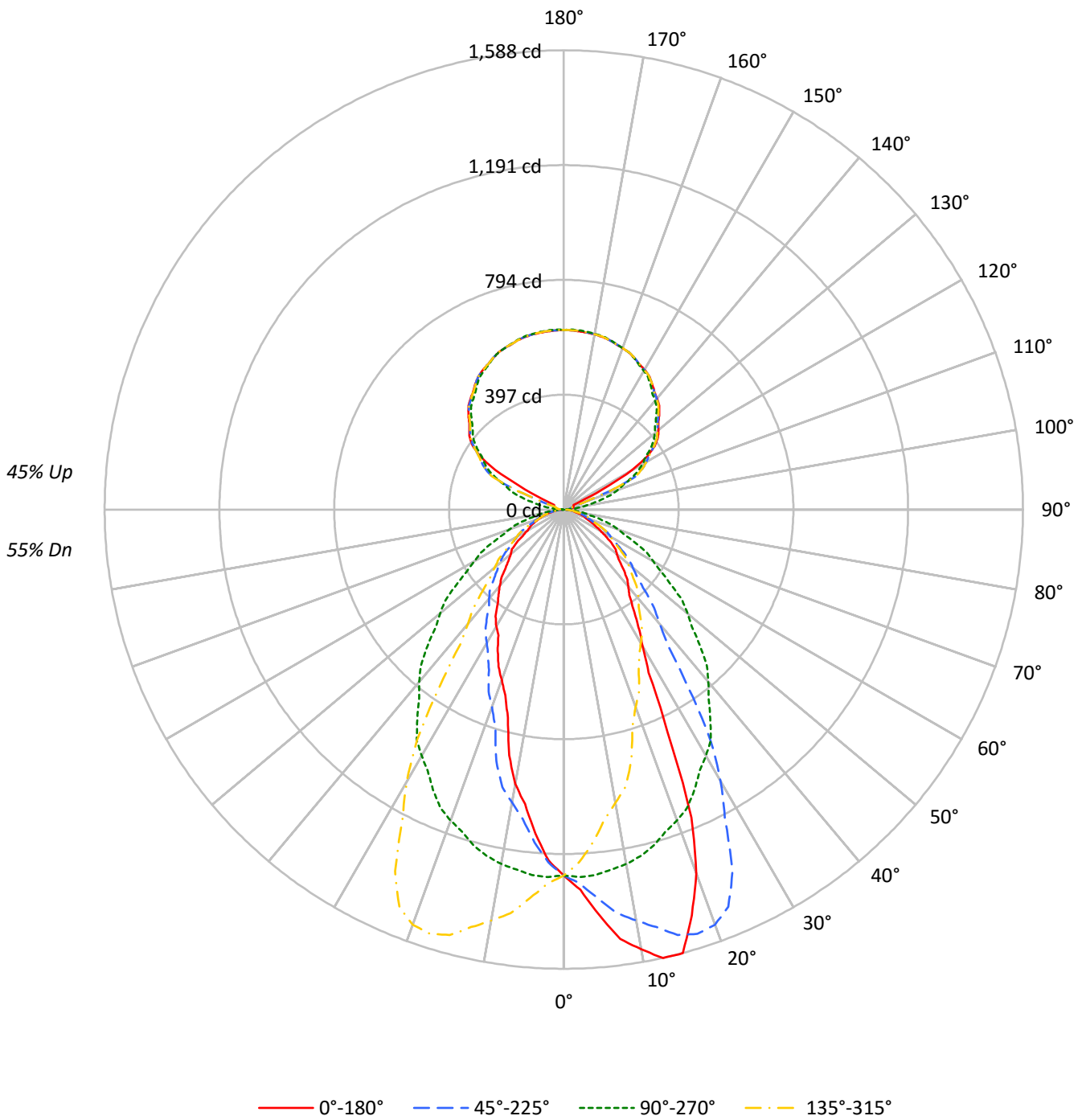
Lumens per Lamp: N/A  
Luminaire Lumens: 4007.3 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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°	20423	20423	20423	20423
5°	22809	20551	18220	20551
10°	25306	20407	15795	20407
15°	26551	20107	12445	20107
20°	23017	19663	10768	19663
25°	15096	19057	9615	19057
30°	10161	18321	8701	18321
35°	8229	17394	7849	17394
40°	7318	16387	7263	16387
45°	6624	15203	6485	15203
50°	6028	14031	6006	14031
55°	5666	12732	5590	12732
60°	4740	11538	4682	11538
65°	3996	10476	4531	10476
70°	3696	9356	4277	9356
75°	3456	8141	3949	8141
80°	3189	6704	3515	6704
85°	2927	5298	3094	5298



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	3.0
10°-20°	334.1	8.3
20°-30°	430.5	10.7
30°-40°	409.1	10.2
40°-50°	350.5	8.7
50°-60°	266.9	6.7
60°-70°	168.7	4.2
70°-80°	84.3	2.1
80°-90°	23.5	0.6
90°-100°	20.7	0.5
100°-110°	76.0	1.9
110°-120°	203.0	5.1
120°-130°	335.2	8.4
130°-140°	356.5	8.9
140°-150°	331.3	8.3
150°-160°	266.4	6.6
160°-170°	171.7	4.3
170°-180°	59.1	1.5
0°-30°	884.5	22.1
0°-40°	1293.7	32.3
0°-60°	1911.1	47.7
0°-90°	2187.5	54.6
90°-120°	299.7	7.5
90°-150°	1322.7	33.0
90°-180°	1820.0	45.4
0°-180°	4007.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1407	1268	1124	1268	1407	139
15°	1588	1203	744	1203	1588	428
25°	847	1070	540	1070	847	402
35°	418	882	398	882	418	267
45°	290	666	284	666	290	224
55°	201	452	199	452	201	177
65°	105	274	119	274	105	106
75°	55	130	63	130	55	59
85°	16	29	17	29	16	17
90°	12	0	12	0	12	6
95°	19	29	19	29	19	18
105°	34	137	34	137	34	36
115°	37	258	37	258	37	92
125°	384	365	384	365	384	332
135°	467	452	467	452	467	360
145°	532	524	532	524	532	333
155°	578	577	578	577	578	267
165°	607	608	607	608	607	171
175°	619	622	619	622	619	59
180°	621	621	621	621	621	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1316.2	1317.2	1318.4	1315.9	1315.9	1313.7	1309.2	1305.7	1295.8	1294.4	1294.4
5°	1407.3	1406.4	1408.2	1402.5	1394.6	1392.8	1384.4	1373.5	1362.0	1349.3	1346.6
7.5°	1497.8	1496.5	1493.0	1492.0	1485.9	1472.7	1459.2	1444.9	1425.9	1407.4	1398.1
10°	1543.5	1558.1	1549.2	1533.9	1537.0	1516.3	1505.3	1486.4	1470.6	1442.9	1436.8
12.5°	1588.5	1594.2	1591.5	1582.7	1578.7	1564.4	1549.6	1533.2	1504.0	1479.1	1457.5
15°	1588.4	1596.7	1598.9	1596.3	1598.4	1597.6	1589.7	1576.1	1550.6	1523.3	1499.6
17.5°	1471.1	1476.9	1491.3	1501.1	1513.4	1539.4	1552.2	1557.2	1553.4	1537.9	1521.2
20°	1339.6	1329.9	1370.4	1391.0	1408.6	1452.5	1490.3	1504.9	1528.1	1527.7	1523.3
22.5°	1153.2	1155.5	1193.9	1218.4	1269.7	1313.6	1356.8	1411.4	1456.4	1486.2	1503.7
25°	847.4	864.1	902.3	935.7	992.8	1074.6	1148.8	1235.0	1316.3	1380.4	1441.6
27.5°	636.4	637.7	668.0	698.8	732.7	799.7	893.2	996.1	1112.0	1207.6	1317.7
30°	545.0	542.3	555.1	574.0	603.0	654.9	725.1	826.3	941.8	1086.0	1214.4
32.5°	480.3	480.4	490.1	504.0	528.1	563.1	611.2	693.4	802.6	944.3	1094.8
35°	417.5	417.1	424.1	434.2	444.4	466.7	499.7	542.8	617.9	750.2	904.0
37.5°	372.6	374.4	377.9	384.2	395.4	407.9	427.7	456.6	510.1	588.3	717.6
40°	347.2	348.1	352.9	358.2	364.8	374.4	390.7	414.0	453.1	515.6	610.0
42.5°	324.0	324.9	328.3	333.2	338.4	348.1	361.5	381.7	413.4	462.1	540.0
45°	290.1	290.1	293.2	295.3	301.1	309.9	320.8	337.5	359.6	395.5	447.4
47.5°	258.2	258.3	260.4	264.2	267.8	274.6	285.4	299.0	315.0	342.9	387.2
50°	240.0	240.4	241.7	244.8	247.0	253.1	261.5	273.4	290.1	311.6	348.5
52.5°	225.2	224.9	226.6	227.9	229.5	233.8	240.0	250.6	265.4	284.2	314.8
55°	201.3	199.5	202.2	204.4	205.7	207.4	210.9	217.6	230.3	246.2	269.0
57.5°	171.4	170.7	172.5	174.6	178.7	183.5	186.4	190.6	197.3	208.6	231.3
60°	146.8	146.8	150.8	152.1	156.9	163.1	169.2	172.7	179.3	186.8	203.5
62.5°	125.0	125.4	127.2	128.5	131.2	138.8	147.4	155.2	161.4	168.5	179.6
65°	104.6	105.5	105.5	106.3	108.1	109.9	113.4	119.5	130.5	140.6	149.0
67.5°	88.8	89.0	89.3	90.1	90.7	92.6	93.9	96.7	99.3	108.8	119.2
70°	78.3	79.6	79.1	80.0	80.4	81.3	83.1	84.4	88.3	90.6	96.7
72.5°	68.4	69.3	69.2	69.8	70.9	71.1	72.5	73.9	76.4	78.3	81.5
75°	55.4	54.9	55.4	56.2	56.7	57.2	57.2	58.9	60.2	62.0	64.1
77.5°	42.7	43.1	43.0	43.1	43.2	44.0	43.9	44.8	46.1	46.9	48.0
80°	34.3	34.7	34.3	34.7	35.1	35.6	35.1	35.6	36.9	37.8	37.8
82.5°	26.5	26.6	26.9	26.9	27.0	27.1	27.8	27.9	28.8	28.7	29.0
85°	15.8	15.4	15.4	15.4	15.8	16.3	15.8	15.8	16.3	16.3	16.3
87.5°	8.1	8.4	8.4	8.3	8.3	8.2	8.1	8.4	7.8	8.1	7.6
90°	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0	9.5	9.0	8.2
92.5°	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9	10.7	10.4	10.0
95°	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5	18.0	17.6	16.8
97.5°	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3	23.8	23.4	21.9
100°	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2	26.4	25.6	23.9
102.5°	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4	27.4	26.3	40.6
105°	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6	28.5	27.4	54.7
107.5°	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2	37.3	38.4	71.0
110°	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6	68.6	78.6	107.5



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4	161.9	198.4	205.4
115°	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8	231.0	277.2	274.7
117.5°	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7	295.9	307.0	305.4
120°	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7	330.5	329.3	327.5
122.5°	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0	351.3	350.6	348.6
125°	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1	380.4	379.7	377.8
127.5°	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9	406.9	406.0	404.5
130°	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0	424.0	422.8	421.7
132.5°	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6	440.7	439.7	438.6
135°	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3	464.3	463.2	462.4
137.5°	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2	486.3	485.3	484.2
140°	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4	500.6	499.6	498.5
142.5°	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6	513.8	513.0	511.7
145°	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0	532.3	531.6	529.9
147.5°	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0	548.5	547.9	546.2
150°	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8	558.2	557.6	556.0
152.5°	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8	567.2	566.6	565.1
155°	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0	579.4	578.8	577.6
157.5°	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1	589.4	588.8	588.0
160°	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1	595.6	595.0	594.3
162.5°	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7	601.0	600.3	599.8
165°	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5	607.8	607.0	606.7
167.5°	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1	613.4	612.7	612.4
170°	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0	616.3	615.6	615.4
172.5°	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1	618.5	617.8	617.5
175°	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5	620.8	620.1	619.8
177.5°	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7	621.2	620.6	620.5
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1295.1	1292.3	1289.9	1283.5	1280.4	1273.3	1272.3	1272.0	1262.7	1254.0	1251.5
5°	1339.6	1332.6	1322.0	1309.7	1296.9	1283.8	1275.0	1268.0	1250.3	1233.6	1224.0
7.5°	1384.4	1369.3	1351.1	1327.8	1308.4	1286.6	1270.4	1255.9	1231.0	1207.0	1190.9
10°	1417.8	1393.2	1369.1	1337.0	1311.9	1287.3	1264.5	1244.7	1216.5	1184.9	1162.4
12.5°	1438.6	1411.5	1378.2	1346.8	1314.4	1283.1	1252.5	1227.1	1194.0	1161.3	1134.7
15°	1466.6	1437.6	1397.1	1352.4	1310.6	1269.7	1234.6	1202.9	1159.9	1120.8	1088.2
17.5°	1489.5	1449.7	1406.2	1354.4	1306.1	1254.0	1208.8	1168.4	1120.4	1073.2	1034.9
20°	1496.9	1457.4	1407.3	1355.4	1298.3	1237.2	1188.4	1144.4	1093.0	1041.6	997.6
22.5°	1492.4	1461.6	1405.8	1343.8	1285.3	1221.3	1166.2	1115.3	1058.3	1005.7	954.8
25°	1461.4	1450.8	1398.1	1330.3	1263.6	1189.3	1125.6	1069.7	1004.7	948.5	893.0
27.5°	1389.0	1411.8	1379.1	1307.0	1232.7	1153.1	1081.4	1017.9	950.4	887.1	831.9
30°	1319.4	1371.7	1357.6	1290.8	1207.7	1129.5	1049.1	982.7	910.7	845.6	791.1
32.5°	1224.1	1310.5	1324.2	1268.3	1182.4	1096.5	1012.2	946.2	870.9	802.4	749.2
35°	1072.4	1201.6	1260.9	1225.3	1139.2	1046.5	959.4	882.5	806.9	739.3	686.5
37.5°	891.4	1067.4	1166.2	1168.8	1089.7	993.2	898.5	822.2	744.8	678.3	621.3
40°	774.0	964.7	1093.5	1122.1	1055.2	951.1	855.2	777.5	701.9	636.8	571.4
42.5°	668.5	858.5	1016.8	1066.5	1013.4	909.9	813.8	732.5	659.0	597.4	530.5
45°	540.6	706.7	881.2	970.0	940.6	844.7	743.2	665.8	596.8	543.6	479.5
47.5°	456.0	573.1	741.9	862.0	861.5	774.0	674.2	600.1	536.1	486.3	434.3
50°	407.9	509.8	652.6	788.9	800.3	726.9	632.0	558.6	498.9	446.5	404.8
52.5°	364.6	448.7	577.0	707.7	740.2	676.7	584.5	516.8	458.7	410.7	374.9
55°	308.1	373.2	470.7	592.9	642.1	597.3	515.6	452.3	405.2	364.8	334.0
57.5°	260.6	309.4	387.7	486.1	543.4	515.2	447.7	396.3	356.1	319.5	295.2
60°	230.7	270.7	337.1	419.3	482.6	462.8	405.2	357.3	323.0	291.4	268.5
62.5°	202.6	236.9	293.9	360.6	418.6	410.4	363.3	323.2	293.2	264.3	245.0
65°	163.1	188.1	232.5	284.8	331.4	335.4	301.5	274.2	247.5	224.5	207.4
67.5°	129.8	146.2	177.5	221.5	256.4	268.9	248.2	227.4	206.1	188.5	173.6
70°	109.4	122.6	145.5	181.1	213.2	226.4	214.5	198.2	179.8	165.2	152.5
72.5°	88.7	101.5	118.4	144.5	172.0	186.2	182.1	170.5	155.5	143.4	131.4
75°	66.8	70.8	82.2	99.8	121.3	133.6	136.7	130.5	118.6	109.4	102.4
77.5°	49.4	51.7	57.3	66.5	80.5	91.5	96.0	95.3	87.1	81.7	75.2
80°	39.5	40.9	43.5	47.4	58.0	69.0	72.1	72.1	66.4	64.1	57.6
82.5°	30.0	31.0	32.6	34.8	39.7	49.3	52.8	53.5	49.9	46.9	41.8
85°	17.1	16.7	17.6	18.9	19.8	22.4	27.7	28.6	27.7	24.2	22.8
87.5°	7.5	7.7	7.5	7.0	7.1	7.2	8.8	10.2	9.1	8.3	7.7
90°	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4	1.5	2.7	3.7
92.5°	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0	9.0	8.9	8.8
95°	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2	25.9	22.6	19.3
97.5°	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9	48.6	39.4	30.1
100°	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6	65.9	52.2	38.5
102.5°	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2	100.4	97.5	94.5
105°	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6	139.6	142.6	145.6
107.5°	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6	177.0	179.4	181.8
110°	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1	201.1	203.3	205.3





TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1	223.9	225.8	227.6
115°	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4	260.0	261.7	263.5
117.5°	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8	292.7	294.6	296.5
120°	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5	316.0	317.5	319.0
122.5°	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7	336.2	337.9	339.4
125°	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3	366.6	367.9	369.2
127.5°	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0	394.5	396.0	397.4
130°	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7	412.2	413.9	415.5
132.5°	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7	430.0	431.4	432.7
135°	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0	453.7	455.2	456.8
137.5°	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7	476.7	477.9	479.0
140°	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1	491.9	492.8	493.5
142.5°	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0	504.8	505.5	506.2
145°	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3	524.3	524.2	524.1
147.5°	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1	541.7	541.3	541.0
150°	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5	552.8	552.2	551.5
152.5°	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3	562.5	561.7	560.9
155°	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4	576.5	575.6	574.7
157.5°	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4	587.7	586.9	586.2
160°	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	594.3	593.7	593.1
162.5°	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6	600.0	599.4	598.8
165°	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4	607.8	607.2	606.6
167.5°	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2	613.5	612.9	612.3
170°	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3	616.8	616.2	615.6
172.5°	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6	619.0	618.4	617.8
175°	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3	621.6	621.0	620.3
177.5°	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8	622.2	621.6	621.1
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1247.0	1244.5	1239.9	1232.9	1228.6	1221.2	1216.3	1219.2	1219.9	1219.2	1218.5
5°	1213.5	1204.2	1191.5	1179.1	1167.8	1155.5	1148.4	1145.3	1139.2	1135.7	1133.9
7.5°	1172.9	1157.0	1139.0	1117.6	1099.3	1080.3	1070.6	1065.7	1053.1	1046.3	1040.3
10°	1142.7	1117.7	1099.7	1071.5	1054.4	1029.3	1012.2	1012.6	995.5	985.8	978.8
12.5°	1109.3	1081.8	1051.8	1026.5	1002.6	982.6	961.9	953.6	935.3	926.0	907.1
15°	1054.0	1021.8	990.2	955.9	931.8	900.5	870.6	834.1	804.7	779.2	772.2
17.5°	993.4	953.7	922.0	881.8	840.3	787.8	753.2	732.0	714.3	700.9	690.8
20°	951.9	911.5	877.7	817.0	761.2	725.7	700.2	683.9	665.4	650.9	643.0
22.5°	908.4	866.2	820.0	752.3	708.9	680.3	657.5	638.9	626.4	615.0	607.9
25°	846.4	800.3	724.3	677.7	642.6	612.7	596.8	585.4	572.2	556.8	549.8
27.5°	781.1	707.7	653.1	618.5	584.9	565.4	551.2	534.2	522.4	515.5	508.2
30°	732.2	658.8	616.2	578.4	554.7	533.1	516.4	506.8	495.3	483.5	478.6
32.5°	677.7	619.1	578.2	546.7	522.6	504.3	491.1	475.4	467.2	459.9	449.8
35°	610.0	565.7	528.3	502.8	479.9	465.0	449.6	440.4	425.4	419.3	415.3
37.5°	552.7	514.2	486.4	459.4	441.3	424.8	415.4	400.7	394.3	385.7	377.4
40°	520.4	482.6	455.7	433.8	413.5	401.2	389.4	377.5	367.8	363.9	353.8
42.5°	487.3	456.6	429.7	405.6	392.1	379.1	364.1	355.4	345.3	339.0	332.7
45°	441.7	414.5	391.6	371.8	356.9	343.3	333.6	319.1	313.4	300.6	295.3
47.5°	401.7	376.3	354.5	335.7	321.1	312.2	298.1	286.7	277.6	269.8	263.0
50°	373.2	352.1	331.0	314.3	301.1	288.3	273.8	268.1	254.0	250.0	246.2
52.5°	347.2	327.1	307.7	291.4	278.2	265.8	253.0	245.6	236.1	232.1	229.3
55°	310.7	291.4	272.9	258.4	245.2	232.5	224.5	215.3	210.9	207.8	204.4
57.5°	274.1	256.8	242.6	227.9	214.6	204.6	195.4	189.9	185.3	181.2	177.0
60°	251.0	234.3	221.5	207.8	194.2	185.9	178.9	172.3	167.0	160.8	159.1
62.5°	226.4	211.7	200.1	186.8	175.0	167.3	160.6	154.4	148.0	139.1	136.6
65°	192.5	181.1	168.8	157.8	147.2	139.7	130.1	123.0	120.5	119.5	119.1
67.5°	162.0	151.1	140.5	129.3	119.7	112.8	107.9	106.8	105.0	104.4	103.2
70°	141.5	131.4	120.9	110.3	101.1	99.8	98.0	96.3	94.0	93.2	92.3
72.5°	123.2	112.8	102.2	93.8	89.8	88.2	86.4	84.6	83.2	82.3	81.7
75°	94.5	84.8	77.8	74.7	72.5	71.2	68.5	67.2	66.4	65.0	64.6
77.5°	68.0	62.6	59.3	57.4	55.1	53.7	52.2	50.9	49.9	49.7	49.0
80°	51.8	49.2	47.0	44.4	43.5	41.8	41.3	40.0	40.5	39.1	39.1
82.5°	40.3	36.9	35.0	33.8	33.0	31.6	31.1	30.5	30.6	29.6	29.6
85°	20.7	19.8	18.9	18.0	18.0	16.7	17.1	16.7	16.7	15.8	15.4
87.5°	7.7	7.5	7.0	7.1	7.2	7.1	7.1	6.9	7.1	7.1	6.8
90°	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0	10.5	11.0	11.4
92.5°	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9	11.2	11.5	11.6
95°	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5	19.0	19.5	19.7
97.5°	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3	24.6	25.1	25.3
100°	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2	28.0	28.8	29.3
102.5°	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4	29.4	30.5	31.2
105°	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6	30.7	31.8	32.5
107.5°	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2	35.0	33.9	33.6
110°	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6	48.6	38.7	33.9



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4	89.0	52.6	34.6
115°	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8	138.5	92.3	65.6
117.5°	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7	273.5	262.3	245.0
120°	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7	332.9	334.2	328.0
122.5°	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0	352.8	353.4	352.5
125°	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1	381.8	382.5	383.0
127.5°	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9	409.0	410.0	410.5
130°	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0	426.1	427.2	427.7
132.5°	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6	442.6	443.5	443.8
135°	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3	466.2	467.3	467.7
137.5°	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2	488.2	489.2	489.5
140°	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4	502.3	503.3	503.4
142.5°	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6	515.4	516.3	516.4
145°	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0	533.6	534.3	534.4
147.5°	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0	549.5	550.0	550.0
150°	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8	559.4	560.0	560.1
152.5°	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8	568.4	569.0	568.9
155°	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0	580.6	581.2	581.0
157.5°	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1	590.8	591.5	591.5
160°	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1	596.7	597.3	597.3
162.5°	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7	602.4	603.0	603.0
165°	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5	609.2	609.8	609.8
167.5°	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1	614.8	615.5	615.4
170°	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0	617.7	618.4	618.3
172.5°	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1	619.8	620.5	620.4
175°	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5	622.2	622.8	622.8
177.5°	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7	622.3	622.8	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1214.6	1215.3	1214.3	1215.0	1214.3	1215.3	1214.6	1218.5	1219.2	1219.9	1219.2
5°	1131.7	1126.4	1125.6	1124.2	1125.6	1126.4	1131.7	1133.9	1135.7	1139.2	1145.3
7.5°	1032.8	1031.9	1029.8	1026.7	1029.8	1031.9	1032.8	1040.3	1046.3	1053.1	1065.7
10°	969.1	966.9	966.5	963.4	966.5	966.9	969.1	978.8	985.8	995.5	1012.6
12.5°	894.6	880.4	878.9	871.2	878.9	880.4	894.6	907.1	926.0	935.3	953.6
15°	761.6	759.1	750.2	744.5	750.2	759.1	761.6	772.2	779.2	804.7	834.1
17.5°	685.7	677.1	674.3	673.1	674.3	677.1	685.7	690.8	700.9	714.3	732.0
20°	636.8	629.0	627.6	626.7	627.6	629.0	636.8	643.0	650.9	665.4	683.9
22.5°	603.0	594.8	591.4	588.8	591.4	594.8	603.0	607.9	615.0	626.4	638.9
25°	545.4	542.3	540.6	539.7	540.6	542.3	545.4	549.8	556.8	572.2	585.4
27.5°	500.3	493.5	492.2	490.0	492.2	493.5	500.3	508.2	515.5	522.4	534.2
30°	474.7	472.4	469.4	466.7	469.4	472.4	474.7	478.6	483.5	495.3	506.8
32.5°	444.4	442.6	439.9	438.6	439.9	442.6	444.4	449.8	459.9	467.2	475.4
35°	411.0	404.8	402.2	398.2	402.2	404.8	411.0	415.3	419.3	425.4	440.4
37.5°	375.5	372.3	368.6	369.9	368.6	372.3	375.5	377.4	385.7	394.3	400.7
40°	348.1	345.9	345.0	344.6	345.0	345.9	348.1	353.8	363.9	367.8	377.5
42.5°	326.3	320.2	318.0	317.9	318.0	320.2	326.3	332.7	339.0	345.3	355.4
45°	293.2	287.4	283.4	284.0	283.4	287.4	293.2	295.3	300.6	313.4	319.1
47.5°	259.2	259.1	256.6	257.4	256.6	259.1	259.2	263.0	269.8	277.6	286.7
50°	243.1	240.4	238.7	239.1	238.7	240.4	243.1	246.2	250.0	254.0	268.1
52.5°	227.6	225.3	223.9	225.8	223.9	225.3	227.6	229.3	232.1	236.1	245.6
55°	202.2	199.5	199.1	198.6	199.1	199.5	202.2	204.4	207.8	210.9	215.3
57.5°	173.7	172.0	169.4	168.2	169.4	172.0	173.7	177.0	181.2	185.3	189.9
60°	153.3	149.9	145.5	145.0	145.5	149.9	153.3	159.1	160.8	167.0	172.3
62.5°	134.7	134.1	133.2	133.1	133.2	134.1	134.7	136.6	139.1	148.0	154.4
65°	118.2	117.8	118.2	118.6	118.2	117.8	118.2	119.1	119.5	120.5	123.0
67.5°	103.1	102.2	101.4	101.8	101.4	102.2	103.1	103.2	104.4	105.0	106.8
70°	91.4	91.0	90.6	90.6	90.6	91.0	91.4	92.3	93.2	94.0	96.3
72.5°	80.2	80.1	79.6	79.3	79.6	80.1	80.2	81.7	82.3	83.2	84.6
75°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	64.6	65.0	66.4	67.2
77.5°	48.9	48.5	48.0	47.6	48.0	48.5	48.9	49.0	49.7	49.9	50.9
80°	38.7	38.2	37.8	37.8	37.8	38.2	38.7	39.1	39.1	40.5	40.0
82.5°	29.5	29.1	29.0	28.7	29.0	29.1	29.5	29.6	29.6	30.6	30.5
85°	15.8	16.3	15.8	16.7	15.8	16.3	15.8	15.4	15.8	16.7	16.7
87.5°	6.9	6.5	7.0	6.6	7.0	6.5	6.9	6.8	7.1	7.1	6.9
90°	11.5	11.7	12.0	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0
92.5°	11.8	11.9	12.1	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9
95°	19.6	19.5	19.5	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5
97.5°	25.4	25.6	25.7	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3
100°	29.5	29.7	29.9	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2
102.5°	31.4	31.7	31.9	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4
105°	33.0	33.3	33.8	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6
107.5°	33.9	34.4	34.7	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2
110°	34.3	34.7	35.1	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	34.9	35.2	35.6	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4
115°	58.4	51.2	44.0	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8
117.5°	221.3	197.7	174.1	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7
120°	314.5	301.1	287.6	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7
122.5°	349.9	347.2	344.7	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0
125°	383.3	383.6	383.9	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1
127.5°	410.6	410.7	410.7	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9
130°	427.6	427.5	427.4	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0
132.5°	443.8	443.7	443.6	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6
135°	467.4	467.3	467.1	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3
137.5°	489.1	488.8	488.5	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2
140°	502.9	502.5	502.0	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4
142.5°	515.9	515.4	514.9	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6
145°	534.0	533.5	533.0	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0
147.5°	549.7	549.2	548.8	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0
150°	559.6	559.0	558.5	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8
152.5°	568.3	567.7	567.0	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8
155°	580.2	579.5	578.7	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0
157.5°	590.6	589.9	589.1	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1
160°	596.6	595.9	595.1	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1
162.5°	602.1	601.2	600.4	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7
165°	609.2	608.5	607.8	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5
167.5°	614.5	613.6	612.7	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1
170°	617.3	616.5	615.6	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0
172.5°	619.6	618.6	617.8	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1
175°	621.7	620.7	619.7	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5
177.5°	622.1	621.3	620.6	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935  
 CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1216.3	1221.2	1228.6	1232.9	1239.9	1244.5	1247.0	1251.5	1254.0	1262.7	1272.0
5°	1148.4	1155.5	1167.8	1179.1	1191.5	1204.2	1213.5	1224.0	1233.6	1250.3	1268.0
7.5°	1070.6	1080.3	1099.3	1117.6	1139.0	1157.0	1172.9	1190.9	1207.0	1231.0	1255.9
10°	1012.2	1029.3	1054.4	1071.5	1099.7	1117.7	1142.7	1162.4	1184.9	1216.5	1244.7
12.5°	961.9	982.6	1002.6	1026.5	1051.8	1081.8	1109.3	1134.7	1161.3	1194.0	1227.1
15°	870.6	900.5	931.8	955.9	990.2	1021.8	1054.0	1088.2	1120.8	1159.9	1202.9
17.5°	753.2	787.8	840.3	881.8	922.0	953.7	993.4	1034.9	1073.2	1120.4	1168.4
20°	700.2	725.7	761.2	817.0	877.7	911.5	951.9	997.6	1041.6	1093.0	1144.4
22.5°	657.5	680.3	708.9	752.3	820.0	866.2	908.4	954.8	1005.7	1058.3	1115.3
25°	596.8	612.7	642.6	677.7	724.3	800.3	846.4	893.0	948.5	1004.7	1069.7
27.5°	551.2	565.4	584.9	618.5	653.1	707.7	781.1	831.9	887.1	950.4	1017.9
30°	516.4	533.1	554.7	578.4	616.2	658.8	732.2	791.1	845.6	910.7	982.7
32.5°	491.1	504.3	522.6	546.7	578.2	619.1	677.7	749.2	802.4	870.9	946.2
35°	449.6	465.0	479.9	502.8	528.3	565.7	610.0	686.5	739.3	806.9	882.5
37.5°	415.4	424.8	441.3	459.4	486.4	514.2	552.7	621.3	678.3	744.8	822.2
40°	389.4	401.2	413.5	433.8	455.7	482.6	520.4	571.4	636.8	701.9	777.5
42.5°	364.1	379.1	392.1	405.6	429.7	456.6	487.3	530.5	597.4	659.0	732.5
45°	333.6	343.3	356.9	371.8	391.6	414.5	441.7	479.5	543.6	596.8	665.8
47.5°	298.1	312.2	321.1	335.7	354.5	376.3	401.7	434.3	486.3	536.1	600.1
50°	273.8	288.3	301.1	314.3	331.0	352.1	373.2	404.8	446.5	498.9	558.6
52.5°	253.0	265.8	278.2	291.4	307.7	327.1	347.2	374.9	410.7	458.7	516.8
55°	224.5	232.5	245.2	258.4	272.9	291.4	310.7	334.0	364.8	405.2	452.3
57.5°	195.4	204.6	214.6	227.9	242.6	256.8	274.1	295.2	319.5	356.1	396.3
60°	178.9	185.9	194.2	207.8	221.5	234.3	251.0	268.5	291.4	323.0	357.3
62.5°	160.6	167.3	175.0	186.8	200.1	211.7	226.4	245.0	264.3	293.2	323.2
65°	130.1	139.7	147.2	157.8	168.8	181.1	192.5	207.4	224.5	247.5	274.2
67.5°	107.9	112.8	119.7	129.3	140.5	151.1	162.0	173.6	188.5	206.1	227.4
70°	98.0	99.8	101.1	110.3	120.9	131.4	141.5	152.5	165.2	179.8	198.2
72.5°	86.4	88.2	89.8	93.8	102.2	112.8	123.2	131.4	143.4	155.5	170.5
75°	68.5	71.2	72.5	74.7	77.8	84.8	94.5	102.4	109.4	118.6	130.5
77.5°	52.2	53.7	55.1	57.4	59.3	62.6	68.0	75.2	81.7	87.1	95.3
80°	41.3	41.8	43.5	44.4	47.0	49.2	51.8	57.6	64.1	66.4	72.1
82.5°	31.1	31.6	33.0	33.8	35.0	36.9	40.3	41.8	46.9	49.9	53.5
85°	17.1	16.7	18.0	18.0	18.9	19.8	20.7	22.8	24.2	27.7	28.6
87.5°	7.1	7.1	7.2	7.1	7.0	7.5	7.7	7.7	8.3	9.1	10.2
90°	9.5	9.0	8.2	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4
92.5°	10.7	10.4	10.0	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0
95°	18.0	17.6	16.8	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2
97.5°	23.8	23.4	21.9	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9
100°	26.4	25.6	23.9	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6
102.5°	27.4	26.3	40.6	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2
105°	28.5	27.4	54.7	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6
107.5°	37.3	38.4	71.0	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6
110°	68.6	78.6	107.5	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	161.9	198.4	205.4	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1
115°	231.0	277.2	274.7	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4
117.5°	295.9	307.0	305.4	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8
120°	330.5	329.3	327.5	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5
122.5°	351.3	350.6	348.6	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7
125°	380.4	379.7	377.8	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3
127.5°	406.9	406.0	404.5	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0
130°	424.0	422.8	421.7	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7
132.5°	440.7	439.7	438.6	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7
135°	464.3	463.2	462.4	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0
137.5°	486.3	485.3	484.2	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7
140°	500.6	499.6	498.5	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1
142.5°	513.8	513.0	511.7	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0
145°	532.3	531.6	529.9	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3
147.5°	548.5	547.9	546.2	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1
150°	558.2	557.6	556.0	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5
152.5°	567.2	566.6	565.1	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3
155°	579.4	578.8	577.6	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4
157.5°	589.4	588.8	588.0	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4
160°	595.6	595.0	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0
162.5°	601.0	600.3	599.8	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6
165°	607.8	607.0	606.7	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4
167.5°	613.4	612.7	612.4	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2
170°	616.3	615.6	615.4	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3
172.5°	618.5	617.8	617.5	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6
175°	620.8	620.1	619.8	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3
177.5°	621.2	620.6	620.5	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1272.3	1273.3	1280.4	1283.5	1289.9	1292.3	1295.1	1294.4	1294.4	1295.8	1305.7
5°	1275.0	1283.8	1296.9	1309.7	1322.0	1332.6	1339.6	1346.6	1349.3	1362.0	1373.5
7.5°	1270.4	1286.6	1308.4	1327.8	1351.1	1369.3	1384.4	1398.1	1407.4	1425.9	1444.9
10°	1264.5	1287.3	1311.9	1337.0	1369.1	1393.2	1417.8	1436.8	1442.9	1470.6	1486.4
12.5°	1252.5	1283.1	1314.4	1346.8	1378.2	1411.5	1438.6	1457.5	1479.1	1504.0	1533.2
15°	1234.6	1269.7	1310.6	1352.4	1397.1	1437.6	1466.6	1499.6	1523.3	1550.6	1576.1
17.5°	1208.8	1254.0	1306.1	1354.4	1406.2	1449.7	1489.5	1521.2	1537.9	1553.4	1557.2
20°	1188.4	1237.2	1298.3	1355.4	1407.3	1457.4	1496.9	1523.3	1527.7	1528.1	1504.9
22.5°	1166.2	1221.3	1285.3	1343.8	1405.8	1461.6	1492.4	1503.7	1486.2	1456.4	1411.4
25°	1125.6	1189.3	1263.6	1330.3	1398.1	1450.8	1461.4	1441.6	1380.4	1316.3	1235.0
27.5°	1081.4	1153.1	1232.7	1307.0	1379.1	1411.8	1389.0	1317.7	1207.6	1112.0	996.1
30°	1049.1	1129.5	1207.7	1290.8	1357.6	1371.7	1319.4	1214.4	1086.0	941.8	826.3
32.5°	1012.2	1096.5	1182.4	1268.3	1324.2	1310.5	1224.1	1094.8	944.3	802.6	693.4
35°	959.4	1046.5	1139.2	1225.3	1260.9	1201.6	1072.4	904.0	750.2	617.9	542.8
37.5°	898.5	993.2	1089.7	1168.8	1166.2	1067.4	891.4	717.6	588.3	510.1	456.6
40°	855.2	951.1	1055.2	1122.1	1093.5	964.7	774.0	610.0	515.6	453.1	414.0
42.5°	813.8	909.9	1013.4	1066.5	1016.8	858.5	668.5	540.0	462.1	413.4	381.7
45°	743.2	844.7	940.6	970.0	881.2	706.7	540.6	447.4	395.5	359.6	337.5
47.5°	674.2	774.0	861.5	862.0	741.9	573.1	456.0	387.2	342.9	315.0	299.0
50°	632.0	726.9	800.3	788.9	652.6	509.8	407.9	348.5	311.6	290.1	273.4
52.5°	584.5	676.7	740.2	707.7	577.0	448.7	364.6	314.8	284.2	265.4	250.6
55°	515.6	597.3	642.1	592.9	470.7	373.2	308.1	269.0	246.2	230.3	217.6
57.5°	447.7	515.2	543.4	486.1	387.7	309.4	260.6	231.3	208.6	197.3	190.6
60°	405.2	462.8	482.6	419.3	337.1	270.7	230.7	203.5	186.8	179.3	172.7
62.5°	363.3	410.4	418.6	360.6	293.9	236.9	202.6	179.6	168.5	161.4	155.2
65°	301.5	335.4	331.4	284.8	232.5	188.1	163.1	149.0	140.6	130.5	119.5
67.5°	248.2	268.9	256.4	221.5	177.5	146.2	129.8	119.2	108.8	99.3	96.7
70°	214.5	226.4	213.2	181.1	145.5	122.6	109.4	96.7	90.6	88.3	84.4
72.5°	182.1	186.2	172.0	144.5	118.4	101.5	88.7	81.5	78.3	76.4	73.9
75°	136.7	133.6	121.3	99.8	82.2	70.8	66.8	64.1	62.0	60.2	58.9
77.5°	96.0	91.5	80.5	66.5	57.3	51.7	49.4	48.0	46.9	46.1	44.8
80°	72.1	69.0	58.0	47.4	43.5	40.9	39.5	37.8	37.8	36.9	35.6
82.5°	52.8	49.3	39.7	34.8	32.6	31.0	30.0	29.0	28.7	28.8	27.9
85°	27.7	22.4	19.8	18.9	17.6	16.7	17.1	16.3	16.3	16.3	15.8
87.5°	8.8	7.2	7.1	7.0	7.5	7.7	7.5	7.6	8.1	7.8	8.4
90°	1.5	2.7	3.7	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0
92.5°	9.0	8.9	8.8	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9
95°	25.9	22.6	19.3	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5
97.5°	48.6	39.4	30.1	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3
100°	65.9	52.2	38.5	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2
102.5°	100.4	97.5	94.5	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4
105°	139.6	142.6	145.6	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6
107.5°	177.0	179.4	181.8	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2
110°	201.1	203.3	205.3	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6





TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	223.9	225.8	227.6	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4
115°	260.0	261.7	263.5	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8
117.5°	292.7	294.6	296.5	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7
120°	316.0	317.5	319.0	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7
122.5°	336.2	337.9	339.4	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0
125°	366.6	367.9	369.2	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1
127.5°	394.5	396.0	397.4	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9
130°	412.2	413.9	415.5	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0
132.5°	430.0	431.4	432.7	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6
135°	453.7	455.2	456.8	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3
137.5°	476.7	477.9	479.0	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2
140°	491.9	492.8	493.5	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4
142.5°	504.8	505.5	506.2	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6
145°	524.3	524.2	524.1	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0
147.5°	541.7	541.3	541.0	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0
150°	552.8	552.2	551.5	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8
152.5°	562.5	561.7	560.9	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8
155°	576.5	575.6	574.7	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0
157.5°	587.7	586.9	586.2	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1
160°	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1
162.5°	600.0	599.4	598.8	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7
165°	607.8	607.2	606.6	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5
167.5°	613.5	612.9	612.3	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1
170°	616.8	616.2	615.6	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0
172.5°	619.0	618.4	617.8	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1
175°	621.6	621.0	620.3	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5
177.5°	622.2	621.6	621.1	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1309.2	1313.7	1315.9	1315.9	1318.4	1317.2	1316.2
5°	1384.4	1392.8	1394.6	1402.5	1408.2	1406.4	1407.3
7.5°	1459.2	1472.7	1485.9	1492.0	1493.0	1496.5	1497.8
10°	1505.3	1516.3	1537.0	1533.9	1549.2	1558.1	1543.5
12.5°	1549.6	1564.4	1578.7	1582.7	1591.5	1594.2	1588.5
15°	1589.7	1597.6	1598.4	1596.3	1598.9	1596.7	1588.4
17.5°	1552.2	1539.4	1513.4	1501.1	1491.3	1476.9	1471.1
20°	1490.3	1452.5	1408.6	1391.0	1370.4	1329.9	1339.6
22.5°	1356.8	1313.6	1269.7	1218.4	1193.9	1155.5	1153.2
25°	1148.8	1074.6	992.8	935.7	902.3	864.1	847.4
27.5°	893.2	799.7	732.7	698.8	668.0	637.7	636.4
30°	725.1	654.9	603.0	574.0	555.1	542.3	545.0
32.5°	611.2	563.1	528.1	504.0	490.1	480.4	480.3
35°	499.7	466.7	444.4	434.2	424.1	417.1	417.5
37.5°	427.7	407.9	395.4	384.2	377.9	374.4	372.6
40°	390.7	374.4	364.8	358.2	352.9	348.1	347.2
42.5°	361.5	348.1	338.4	333.2	328.3	324.9	324.0
45°	320.8	309.9	301.1	295.3	293.2	290.1	290.1
47.5°	285.4	274.6	267.8	264.2	260.4	258.3	258.2
50°	261.5	253.1	247.0	244.8	241.7	240.4	240.0
52.5°	240.0	233.8	229.5	227.9	226.6	224.9	225.2
55°	210.9	207.4	205.7	204.4	202.2	199.5	201.3
57.5°	186.4	183.5	178.7	174.6	172.5	170.7	171.4
60°	169.2	163.1	156.9	152.1	150.8	146.8	146.8
62.5°	147.4	138.8	131.2	128.5	127.2	125.4	125.0
65°	113.4	109.9	108.1	106.3	105.5	105.5	104.6
67.5°	93.9	92.6	90.7	90.1	89.3	89.0	88.8
70°	83.1	81.3	80.4	80.0	79.1	79.6	78.3
72.5°	72.5	71.1	70.9	69.8	69.2	69.3	68.4
75°	57.2	57.2	56.7	56.2	55.4	54.9	55.4
77.5°	43.9	44.0	43.2	43.1	43.0	43.1	42.7
80°	35.1	35.6	35.1	34.7	34.3	34.7	34.3
82.5°	27.8	27.1	27.0	26.9	26.9	26.6	26.5
85°	15.8	16.3	15.8	15.4	15.4	15.4	15.8
87.5°	8.1	8.2	8.3	8.3	8.4	8.4	8.1
90°	10.5	11.0	11.4	11.5	11.7	12.0	12.1
92.5°	11.2	11.5	11.6	11.8	11.9	12.1	12.1
95°	19.0	19.5	19.7	19.6	19.5	19.5	19.3
97.5°	24.6	25.1	25.3	25.4	25.6	25.7	25.8
100°	28.0	28.8	29.3	29.5	29.7	29.9	30.1
102.5°	29.4	30.5	31.2	31.4	31.7	31.9	32.3
105°	30.7	31.8	32.5	33.0	33.3	33.8	34.2
107.5°	35.0	33.9	33.6	33.9	34.4	34.7	35.1
110°	48.6	38.7	33.9	34.3	34.7	35.1	35.5



TEST NUMBER: P331681-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	89.0	52.6	34.6	34.9	35.2	35.6	35.8
115°	138.5	92.3	65.6	58.4	51.2	44.0	36.9
117.5°	273.5	262.3	245.0	221.3	197.7	174.1	150.4
120°	332.9	334.2	328.0	314.5	301.1	287.6	274.1
122.5°	352.8	353.4	352.5	349.9	347.2	344.7	342.0
125°	381.8	382.5	383.0	383.3	383.6	383.9	384.2
127.5°	409.0	410.0	410.5	410.6	410.7	410.7	410.8
130°	426.1	427.2	427.7	427.6	427.5	427.4	427.3
132.5°	442.6	443.5	443.8	443.8	443.7	443.6	443.5
135°	466.2	467.3	467.7	467.4	467.3	467.1	466.8
137.5°	488.2	489.2	489.5	489.1	488.8	488.5	488.2
140°	502.3	503.3	503.4	502.9	502.5	502.0	501.4
142.5°	515.4	516.3	516.4	515.9	515.4	514.9	514.4
145°	533.6	534.3	534.4	534.0	533.5	533.0	532.4
147.5°	549.5	550.0	550.0	549.7	549.2	548.8	548.4
150°	559.4	560.0	560.1	559.6	559.0	558.5	558.1
152.5°	568.4	569.0	568.9	568.3	567.7	567.0	566.4
155°	580.6	581.2	581.0	580.2	579.5	578.7	577.8
157.5°	590.8	591.5	591.5	590.6	589.9	589.1	588.3
160°	596.7	597.3	597.3	596.6	595.9	595.1	594.4
162.5°	602.4	603.0	603.0	602.1	601.2	600.4	599.5
165°	609.2	609.8	609.8	609.2	608.5	607.8	607.0
167.5°	614.8	615.5	615.4	614.5	613.6	612.7	611.8
170°	617.7	618.4	618.3	617.3	616.5	615.6	614.7
172.5°	619.8	620.5	620.4	619.6	618.6	617.8	616.8
175°	622.2	622.8	622.8	621.7	620.7	619.7	618.7
177.5°	622.3	622.8	622.8	622.1	621.3	620.6	619.9
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0

(END OF REPORT)