

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: P331341-935

Luminaire Tested: **SA2XXDIP-C675D530U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331341-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

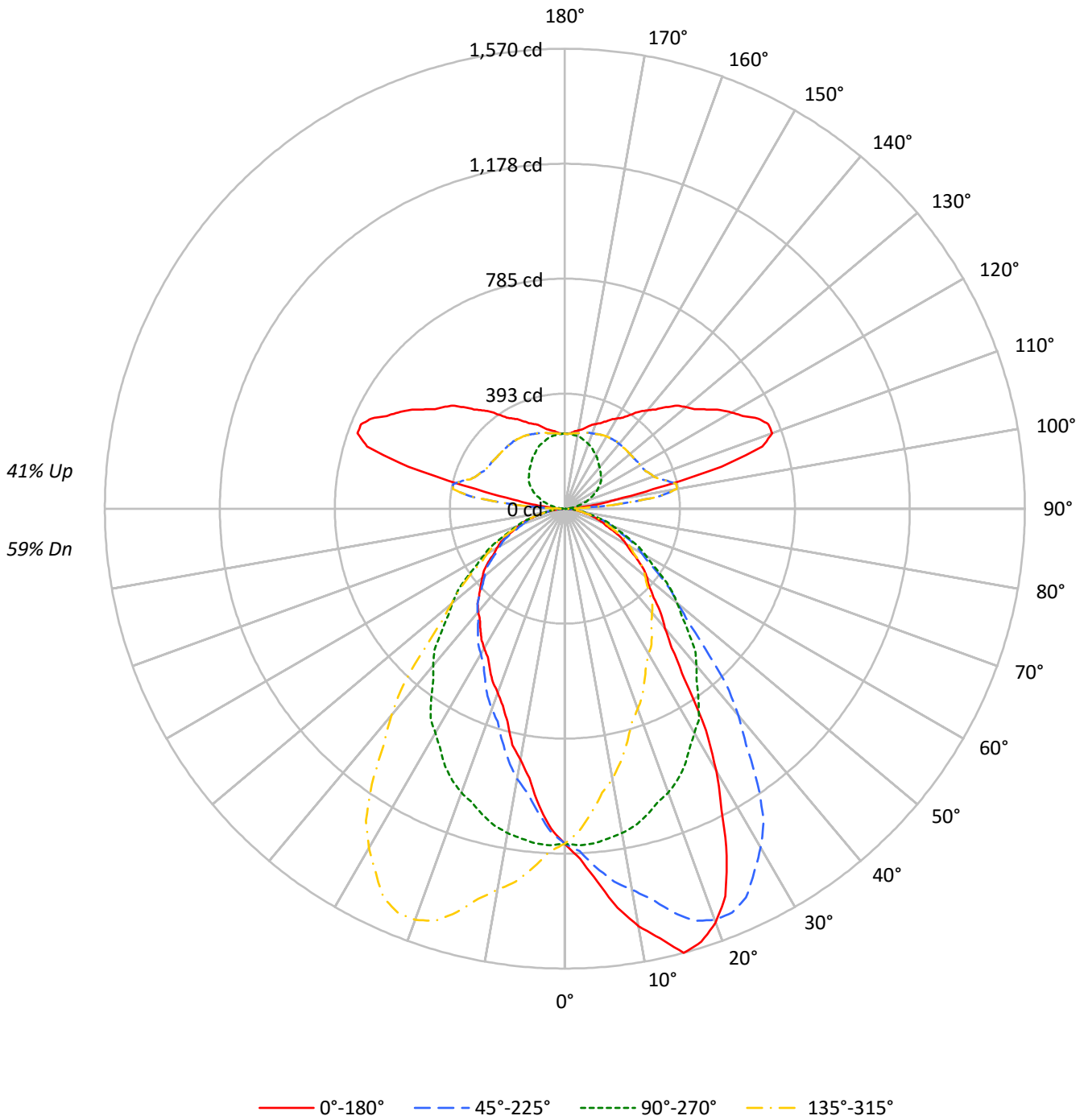
Lumens per Lamp: N/A  
Luminaire Lumens: 4302.1 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59				
1	100	96	92	89	93	90	87	84	78	76	74	67	66	64	58	56	55	51				
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47	43				
3	84	75	68	62	78	70	64	59	62	57	53	53	50	47	46	43	41	37				
4	77	67	59	53	72	63	56	50	55	50	45	48	44	41	41	38	36	33				
5	71	60	52	46	66	56	49	44	50	44	40	43	39	36	38	34	32	29				
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	34	31	28	25				
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	25	23				
8	57	45	37	32	53	42	35	30	38	32	28	33	29	25	29	26	23	21				
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	27	23	21	19				
10	50	38	31	26	46	36	29	25	32	27	23	28	24	21	25	22	19	17				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	18466	18466	18466	18466
5°	20702	18585	16470	18585
10°	23722	18433	14254	18433
15°	26242	18094	12593	18094
20°	25844	17732	11478	17732
25°	23302	17250	10774	17250
30°	19257	16479	10260	16479
35°	14034	15672	9895	15672
40°	11209	14720	9691	14720
45°	9796	13618	9412	13618
50°	9206	12552	9231	12552
55°	8487	11468	8982	11468
60°	7776	10317	8603	10317
65°	7087	9287	8225	9287
70°	6430	8280	7676	8280
75°	5702	7155	6800	7155
80°	4909	5923	5477	5923
85°	4409	4409	3260	4409



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.9	2.5
10°-20°	316.6	7.4
20°-30°	459.5	10.7
30°-40°	484.9	11.3
40°-50°	429.4	10.0
50°-60°	342.6	8.0
60°-70°	232.9	5.4
70°-80°	119.4	2.8
80°-90°	31.1	0.7
90°-100°	102.1	2.4
100°-110°	346.4	8.1
110°-120°	368.0	8.6
120°-130°	303.0	7.0
130°-140°	243.3	5.7
140°-150°	183.9	4.3
150°-160°	129.2	3.0
160°-170°	76.1	1.8
170°-180°	24.8	0.6
0°-30°	885.1	20.6
0°-40°	1370.0	31.8
0°-60°	2142.0	49.8
0°-90°	2525.4	58.7
90°-120°	816.6	19.0
90°-150°	1546.7	36.0
90°-180°	1777.0	41.3
0°-180°	4302.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1277	1147	1016	1147	1277	128
15°	1570	1082	753	1082	1570	433
25°	1308	968	605	968	1308	591
35°	712	795	502	795	712	463
45°	429	596	412	596	429	337
55°	302	407	319	407	302	270
65°	186	243	215	243	186	184
75°	91	115	109	115	91	98
85°	24	24	18	24	24	26
90°	16	0	16	0	16	10
95°	56	17	56	17	56	73
105°	553	60	553	60	553	535
115°	728	106	728	106	728	713
125°	591	147	591	147	591	534
135°	490	173	490	173	490	380
145°	391	197	391	197	391	248
155°	328	224	328	224	328	153
165°	288	244	288	244	288	82
175°	260	255	260	255	260	25
180°	255	255	255	255	255	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1196.4	1196.7	1197.5	1191.8	1191.1	1191.1	1186.2	1182.0	1177.1	1170.4	1171.0
5°	1277.3	1282.1	1283.8	1278.6	1270.7	1269.8	1262.3	1250.0	1238.5	1229.3	1222.8
7.5°	1373.8	1375.7	1371.4	1364.4	1358.6	1348.1	1334.1	1320.5	1301.4	1283.9	1270.9
10°	1446.9	1449.6	1442.1	1432.0	1423.7	1411.4	1391.1	1370.5	1345.4	1321.2	1301.8
12.5°	1502.4	1509.0	1499.4	1498.1	1483.8	1466.9	1442.8	1432.4	1397.1	1363.4	1342.6
15°	1569.9	1569.5	1570.5	1562.1	1551.5	1548.9	1523.4	1495.7	1446.0	1426.2	1392.0
17.5°	1550.5	1557.1	1560.2	1560.1	1559.9	1558.2	1550.1	1532.6	1507.7	1475.6	1436.0
20°	1504.1	1512.9	1514.2	1524.3	1530.0	1537.5	1540.5	1535.7	1520.4	1493.5	1459.2
22.5°	1432.4	1434.8	1438.9	1454.7	1467.1	1485.7	1495.6	1511.8	1505.9	1492.8	1464.1
25°	1308.0	1303.6	1319.1	1326.9	1355.5	1385.3	1407.0	1430.6	1451.7	1464.5	1456.1
27.5°	1158.7	1152.2	1175.2	1196.2	1219.4	1251.8	1285.4	1325.0	1358.0	1399.2	1413.3
30°	1032.9	1036.8	1058.9	1081.2	1116.4	1162.1	1199.9	1243.5	1290.5	1336.6	1368.6
32.5°	897.2	912.4	926.3	960.6	991.5	1042.6	1097.9	1152.4	1211.0	1263.4	1313.1
35°	712.0	729.6	749.0	774.0	817.5	868.1	922.1	995.5	1075.6	1147.2	1206.1
37.5°	599.3	596.5	607.6	625.7	661.0	701.7	764.0	836.5	930.7	1014.9	1097.9
40°	531.8	530.0	538.0	554.7	581.5	611.4	665.9	729.6	817.1	919.9	1018.8
42.5°	485.4	486.5	490.9	502.7	521.0	545.6	586.4	640.7	720.7	817.6	923.9
45°	429.0	432.0	436.9	442.6	453.1	473.4	496.2	534.9	598.2	679.1	783.7
47.5°	388.4	388.5	393.4	398.4	404.7	416.0	434.7	458.9	503.6	569.5	659.4
50°	366.5	363.5	367.0	370.9	377.5	385.5	397.8	420.6	450.5	503.7	578.9
52.5°	339.8	339.9	343.1	344.6	350.5	358.3	369.6	385.5	412.5	454.1	515.9
55°	301.5	303.7	305.5	308.1	313.4	319.1	327.9	338.5	359.6	390.7	436.4
57.5°	265.4	266.1	267.9	272.9	276.3	281.5	289.9	299.5	313.2	336.3	370.7
60°	240.8	240.8	244.4	246.6	251.0	256.2	262.9	272.1	284.4	303.2	331.0
62.5°	218.3	218.0	219.4	223.0	226.4	231.3	237.9	245.7	257.3	274.1	296.9
65°	185.5	184.6	187.3	188.1	191.7	196.5	201.7	210.1	219.3	231.6	251.8
67.5°	153.9	154.9	156.3	158.0	159.9	165.0	168.5	174.4	182.2	192.4	206.1
70°	136.2	136.2	136.2	137.6	140.2	142.8	146.4	151.2	158.7	167.5	179.8
72.5°	116.6	118.0	119.3	118.6	121.9	123.5	127.7	130.4	137.6	143.2	154.1
75°	91.4	91.4	91.4	93.6	95.0	96.3	98.9	101.5	105.0	112.1	117.8
77.5°	68.2	68.0	68.4	69.0	70.4	72.0	72.8	75.2	78.4	81.6	86.5
80°	52.8	53.6	54.1	54.9	54.9	55.8	56.2	59.3	61.6	63.7	66.8
82.5°	40.8	41.0	41.1	41.2	41.6	42.1	43.2	44.3	45.0	46.8	49.2
85°	23.8	23.3	23.3	24.2	23.8	23.8	24.6	25.5	25.5	25.9	27.2
87.5°	12.4	12.4	12.7	12.4	12.4	12.7	12.4	12.3	12.7	13.2	13.4
90°	16.2	16.2	16.2	16.2	16.2	15.7	14.7	15.7	16.2	16.7	16.2
92.5°	27.2	28.0	27.6	29.2	29.5	32.6	36.8	42.8	53.9	63.8	62.9
95°	56.0	55.4	57.0	60.9	67.2	78.1	98.7	128.6	168.4	192.5	170.4
97.5°	110.2	114.3	121.5	133.5	157.0	192.5	245.6	300.2	344.7	328.6	247.5
100°	175.8	184.6	198.9	220.0	260.7	320.1	387.4	448.3	458.6	387.9	267.1
102.5°	309.4	321.3	339.1	375.1	419.4	482.4	531.6	545.4	501.0	389.9	259.7
105°	553.4	560.3	581.3	611.8	642.2	658.5	652.0	596.6	494.5	363.9	245.0
107.5°	706.9	716.0	720.2	721.9	718.1	694.3	643.3	559.6	451.3	336.0	237.7
110°	753.2	753.7	749.3	739.9	718.8	678.6	615.7	527.9	424.2	322.6	236.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	752.4	749.8	741.4	725.8	696.5	650.3	583.2	498.8	405.4	313.9	236.6
115°	728.1	723.8	711.0	688.4	653.6	603.0	538.6	463.0	382.0	304.4	238.7
117.5°	684.8	681.1	667.7	643.9	608.3	560.9	502.5	436.1	367.3	299.8	242.2
120°	656.9	652.0	637.8	614.8	580.4	535.7	483.6	422.8	359.5	297.0	244.5
122.5°	627.9	623.8	611.1	588.4	557.6	517.2	468.0	412.2	352.8	295.5	247.3
125°	590.7	586.8	574.5	555.9	527.4	490.5	447.3	396.7	343.2	292.7	251.4
127.5°	558.1	554.9	544.3	526.8	502.0	468.0	427.3	381.5	334.4	291.0	255.6
130°	539.6	535.7	525.9	509.2	485.1	452.7	414.0	371.7	328.5	290.2	258.7
132.5°	520.4	516.9	507.8	491.1	467.4	437.0	401.4	362.3	323.7	289.8	261.9
135°	489.6	487.6	478.7	462.5	441.4	414.0	381.5	349.1	317.2	289.2	265.6
137.5°	459.3	456.3	448.6	434.6	415.4	391.4	365.8	338.6	312.5	289.1	269.0
140°	438.5	435.5	428.2	415.4	399.7	378.1	355.5	331.9	309.9	288.7	270.5
142.5°	417.7	417.1	410.5	398.9	384.0	365.9	346.5	326.4	307.1	288.7	271.7
145°	390.8	389.3	384.4	376.1	364.4	350.1	334.8	318.7	303.4	287.7	273.0
147.5°	368.3	367.5	364.1	357.5	347.8	337.3	325.5	312.7	299.7	285.9	273.4
150°	355.0	354.5	351.5	345.7	338.3	329.5	319.2	308.3	296.6	284.8	273.0
152.5°	343.6	343.5	341.4	336.2	330.5	322.8	314.1	304.0	293.9	282.8	272.2
155°	328.5	329.5	327.5	324.1	318.7	313.2	305.9	298.1	288.7	279.4	271.0
157.5°	315.6	315.6	314.8	311.9	308.1	303.8	297.6	291.1	283.9	275.9	268.8
160°	307.4	307.4	306.9	304.4	301.0	297.6	292.1	286.7	280.3	273.5	267.6
162.5°	299.5	299.9	299.5	297.7	294.3	291.7	287.1	282.4	277.2	271.6	266.4
165°	288.3	288.7	288.7	286.7	284.8	282.8	279.4	276.0	272.0	267.6	264.2
167.5°	277.8	278.4	278.5	277.4	276.6	274.7	272.4	269.8	266.9	264.2	261.9
170°	271.6	272.5	273.0	271.6	271.0	270.1	268.1	266.7	264.2	262.2	260.7
172.5°	266.4	267.0	267.5	266.8	266.3	265.7	264.2	263.1	261.4	259.8	259.2
175°	259.8	260.7	261.2	260.7	260.7	260.3	259.8	259.2	257.8	257.3	256.8
177.5°	255.7	256.5	256.9	256.9	256.9	256.9	256.5	256.5	255.7	255.3	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1173.5	1170.7	1169.0	1162.6	1157.0	1151.4	1149.6	1150.3	1142.6	1135.2	1132.0
5°	1219.3	1210.5	1202.1	1190.2	1176.2	1160.8	1152.9	1146.7	1131.4	1114.7	1105.0
7.5°	1260.2	1247.7	1231.6	1209.2	1188.8	1164.6	1149.2	1135.6	1113.0	1089.5	1075.0
10°	1285.2	1268.0	1247.3	1220.1	1195.1	1165.6	1145.0	1124.3	1097.9	1069.8	1052.2
12.5°	1306.7	1283.5	1263.2	1228.2	1198.6	1161.7	1137.2	1108.1	1080.4	1047.0	1029.8
15°	1357.7	1315.1	1276.3	1236.8	1200.3	1148.9	1121.7	1082.5	1046.0	1004.8	985.0
17.5°	1397.1	1349.3	1288.3	1238.0	1195.5	1138.6	1098.5	1051.7	1008.6	961.3	934.4
20°	1419.7	1364.7	1299.2	1239.5	1188.4	1123.4	1080.0	1032.0	981.5	928.2	899.2
22.5°	1433.0	1375.3	1310.5	1234.2	1174.4	1111.1	1056.4	1003.8	952.6	895.3	864.8
25°	1437.3	1384.5	1316.0	1229.8	1156.8	1085.2	1019.3	968.3	906.3	852.6	808.3
27.5°	1416.3	1378.5	1312.6	1221.5	1136.5	1052.7	979.3	921.5	856.1	797.9	753.3
30°	1390.7	1368.6	1304.5	1213.1	1120.3	1030.3	949.3	883.9	818.8	759.9	714.2
32.5°	1350.9	1346.2	1289.8	1201.1	1103.1	1001.8	918.1	851.9	779.8	721.9	678.4
35°	1272.9	1294.0	1258.4	1174.4	1070.7	961.2	870.7	795.1	720.4	665.0	624.1
37.5°	1168.3	1220.6	1211.3	1135.3	1026.9	917.1	817.2	738.1	666.9	611.1	570.9
40°	1096.1	1163.0	1172.7	1105.4	996.0	883.0	777.1	698.4	629.0	578.0	537.5
42.5°	1018.8	1096.9	1123.4	1069.5	962.2	847.1	741.2	659.7	591.0	541.4	505.6
45°	889.2	992.5	1040.3	1009.6	905.9	788.1	679.1	596.4	534.0	487.4	459.8
47.5°	767.9	880.8	945.2	934.4	843.2	726.5	618.8	539.5	478.7	441.5	416.7
50°	682.2	798.1	876.0	879.5	798.1	682.6	574.5	499.7	443.9	409.2	389.0
52.5°	607.6	718.3	803.2	821.8	747.9	636.9	534.8	460.4	411.2	379.3	361.2
55°	510.3	603.9	697.9	732.3	672.9	567.4	472.9	407.4	361.3	339.3	323.5
57.5°	424.2	502.3	589.2	627.1	590.5	500.2	411.6	354.7	317.3	298.0	285.9
60°	378.8	440.4	517.7	563.0	531.4	451.0	373.6	319.5	288.8	271.6	260.2
62.5°	336.7	391.2	456.6	498.0	480.8	404.9	335.6	287.9	261.3	245.2	237.0
65°	277.8	320.9	371.4	409.7	398.2	340.6	284.0	243.1	222.0	209.2	202.6
67.5°	228.8	259.8	294.9	328.4	319.2	278.4	232.9	201.0	185.3	174.4	170.4
70°	197.8	221.5	252.7	279.6	272.1	238.7	202.6	175.4	161.8	152.5	148.5
72.5°	168.2	187.8	211.5	233.5	228.4	200.7	170.7	150.1	139.6	131.0	127.8
75°	127.0	142.0	156.4	171.0	169.6	148.1	130.5	114.7	106.3	99.8	98.4
77.5°	93.8	102.1	112.0	120.6	118.2	105.9	92.1	83.1	76.9	72.5	71.8
80°	71.6	76.5	83.5	89.6	86.6	81.3	70.3	63.7	59.3	54.9	53.2
82.5°	51.9	56.8	61.0	64.3	62.0	57.1	50.3	45.8	43.1	40.2	39.4
85°	27.2	29.9	31.7	32.5	31.7	28.6	25.5	23.8	21.5	20.2	19.8
87.5°	13.2	12.5	12.1	12.4	11.2	11.0	9.2	7.8	7.7	7.8	7.3
90°	13.3	9.8	7.4	5.9	4.9	4.0	2.0	0.5	2.0	4.0	4.9
92.5°	49.0	33.4	22.3	17.7	14.4	12.1	8.6	6.0	8.6	12.1	14.4
95°	113.4	70.7	48.1	36.3	28.5	24.0	19.1	17.2	19.1	24.0	28.5
97.5°	152.8	93.3	64.9	51.6	42.5	35.8	30.7	28.0	30.7	35.8	42.5
100°	161.1	101.2	75.2	61.4	51.6	43.7	39.3	37.8	39.3	43.7	51.6
102.5°	161.4	108.2	84.1	70.4	60.2	52.3	48.0	46.8	48.0	52.3	60.2
105°	164.0	120.3	97.2	83.4	72.7	65.3	61.9	59.9	61.9	65.3	72.7
107.5°	170.7	132.7	110.3	96.4	85.8	79.0	75.6	74.0	75.6	79.0	85.8
110°	176.2	140.9	119.3	105.0	94.8	88.4	85.4	83.4	85.4	88.4	94.8





TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	182.2	148.8	127.9	113.3	103.4	97.4	94.1	92.1	94.1	97.4	103.4
115°	191.0	161.1	139.9	126.7	116.8	111.0	108.1	105.6	108.1	111.0	116.8
117.5°	200.4	172.4	152.8	139.1	129.7	124.4	121.5	119.5	121.5	124.4	129.7
120°	206.7	180.2	161.1	147.3	137.5	133.0	130.1	128.1	130.1	133.0	137.5
122.5°	212.2	187.7	169.7	155.6	145.8	140.9	138.0	136.4	138.0	140.9	145.8
125°	220.9	198.9	181.2	167.5	157.6	151.7	148.8	147.3	148.8	151.7	157.6
127.5°	229.1	209.3	192.1	178.0	168.5	162.0	157.9	155.9	157.9	162.0	168.5
130°	234.2	215.6	198.4	184.6	174.8	167.9	163.0	161.1	163.0	167.9	174.8
132.5°	239.4	221.0	204.7	190.9	180.7	173.4	168.2	165.7	168.2	173.4	180.7
135°	246.0	228.9	213.1	199.3	188.0	180.7	174.8	172.8	174.8	180.7	188.0
137.5°	251.1	235.1	219.6	206.8	195.6	187.8	181.8	179.5	181.8	187.8	195.6
140°	253.8	238.7	223.9	211.1	200.4	192.5	186.6	184.6	186.6	192.5	200.4
142.5°	256.2	241.4	227.0	215.1	204.7	196.8	191.3	189.8	191.3	196.8	204.7
145°	259.2	245.5	232.2	221.4	211.6	204.2	199.3	197.4	199.3	204.2	211.6
147.5°	261.0	248.8	236.3	226.8	218.6	211.8	207.1	205.6	207.1	211.8	218.6
150°	261.7	250.4	239.1	230.3	222.9	216.5	212.6	211.1	212.6	216.5	222.9
152.5°	262.1	252.0	241.9	233.8	226.9	221.3	217.3	216.6	217.3	221.3	226.9
155°	262.7	254.3	246.0	238.7	233.2	227.8	224.9	224.4	224.9	227.8	233.2
157.5°	262.7	256.0	248.9	242.8	238.4	233.8	231.4	230.8	231.4	233.8	238.4
160°	262.7	256.8	250.9	245.5	241.6	237.6	235.7	235.2	235.7	237.6	241.6
162.5°	262.3	257.2	252.1	247.9	244.4	241.2	239.2	239.5	239.2	241.2	244.4
165°	261.2	257.8	253.4	250.4	248.0	245.0	244.0	244.5	244.0	245.0	248.0
167.5°	260.5	257.7	254.4	252.6	250.8	248.9	248.1	248.7	248.1	248.9	250.8
170°	259.8	257.3	254.9	253.4	252.4	250.9	250.4	251.4	250.4	250.9	252.4
172.5°	258.6	256.9	255.2	254.2	253.6	252.1	252.4	253.0	252.4	252.1	253.6
175°	257.3	256.3	255.3	254.9	254.9	253.8	254.3	254.9	254.3	253.8	254.9
177.5°	256.5	255.7	255.3	255.3	255.3	254.5	254.9	255.7	254.9	254.5	255.3
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1128.5	1126.4	1119.0	1115.2	1108.8	1102.9	1099.0	1100.8	1102.2	1101.5	1100.4
5°	1096.1	1087.8	1075.0	1064.1	1056.2	1041.6	1035.5	1032.4	1029.8	1026.7	1023.6
7.5°	1057.7	1044.5	1026.2	1010.6	995.7	977.8	967.5	961.3	955.0	948.0	941.9
10°	1030.3	1011.8	992.5	970.4	952.9	936.6	922.1	912.5	903.7	895.4	889.2
12.5°	1001.4	980.2	956.2	926.2	906.8	883.6	881.3	864.3	850.6	845.4	838.2
15°	955.5	925.7	895.4	859.7	844.3	823.2	810.0	796.9	785.0	776.6	774.5
17.5°	903.4	864.7	834.6	809.0	783.8	762.2	750.0	739.4	729.7	718.5	717.0
20°	863.7	830.3	797.3	774.9	749.0	726.9	712.0	701.5	693.1	686.6	680.8
22.5°	826.0	789.5	759.3	734.8	709.2	691.5	679.7	669.5	662.5	655.2	649.9
25°	765.7	737.1	704.1	676.4	655.3	643.9	634.2	625.4	621.0	616.2	610.1
27.5°	712.8	681.1	650.2	628.8	610.3	600.1	593.2	587.3	583.2	580.3	576.9
30°	675.5	643.4	619.3	598.2	582.8	572.7	568.3	564.8	560.0	558.2	556.5
32.5°	639.7	610.8	590.1	571.8	557.2	550.5	546.5	543.4	539.6	537.8	534.3
35°	588.9	564.8	544.6	534.4	522.6	516.9	513.8	509.4	505.9	504.1	503.7
37.5°	541.2	520.2	507.0	494.0	489.0	485.4	481.2	478.2	477.2	476.9	476.5
40°	510.3	493.2	481.3	470.7	468.6	463.2	459.8	457.1	457.1	457.5	457.1
42.5°	482.2	466.7	456.3	447.2	444.6	441.4	437.9	437.7	438.5	440.0	438.5
45°	439.5	428.5	421.0	416.6	411.8	408.7	408.3	409.7	410.1	410.5	411.8
47.5°	400.3	393.0	386.2	381.4	379.3	378.8	378.2	380.6	382.6	383.4	385.5
50°	377.1	368.8	363.1	360.0	358.2	357.3	358.2	360.8	362.6	364.8	366.1
52.5°	351.1	345.2	341.2	338.9	338.2	338.7	338.9	341.9	344.7	345.4	346.1
55°	315.1	310.7	309.9	305.9	307.6	307.2	309.4	311.2	313.8	316.4	316.9
57.5°	279.3	275.8	273.4	273.7	274.2	276.2	278.0	281.1	284.0	286.7	287.0
60°	255.4	253.6	252.3	252.3	253.1	255.8	258.0	261.1	262.9	264.6	265.9
62.5°	233.6	231.8	230.5	231.2	233.5	235.1	237.6	239.3	241.0	242.8	243.4
65°	199.1	198.2	199.6	200.4	200.9	203.0	206.1	207.4	209.2	210.1	213.2
67.5°	167.4	167.6	167.4	168.6	171.2	171.7	174.6	177.6	178.0	179.7	181.7
70°	145.9	146.8	147.7	148.5	150.8	151.6	153.9	155.2	156.9	158.3	159.5
72.5°	126.2	126.4	127.3	127.1	129.0	130.9	132.8	134.1	135.8	137.5	138.8
75°	97.1	97.1	98.0	98.4	100.7	102.9	102.4	103.3	105.0	106.8	107.7
77.5°	70.9	70.0	70.9	71.4	72.1	74.0	74.3	75.5	77.5	76.9	77.9
80°	54.1	52.8	54.1	54.5	54.5	56.7	56.7	57.6	58.9	57.6	58.9
82.5°	38.6	38.0	38.9	39.0	39.7	39.8	40.6	40.7	42.0	41.4	42.0
85°	19.4	18.9	19.4	18.9	19.4	19.8	19.8	19.4	19.4	20.2	18.9
87.5°	7.1	7.1	7.2	7.9	8.2	7.9	7.5	7.4	7.1	6.6	6.7
90°	5.9	7.4	9.8	13.3	16.2	16.7	16.2	15.7	14.7	15.7	16.2
92.5°	17.7	22.3	33.4	49.0	62.9	63.8	53.9	42.8	36.8	32.6	29.5
95°	36.3	48.1	70.7	113.4	170.4	192.5	168.4	128.6	98.7	78.1	67.2
97.5°	51.6	64.9	93.3	152.8	247.5	328.6	344.7	300.2	245.6	192.5	157.0
100°	61.4	75.2	101.2	161.1	267.1	387.9	458.6	448.3	387.4	320.1	260.7
102.5°	70.4	84.1	108.2	161.4	259.7	389.9	501.0	545.4	531.6	482.4	419.4
105°	83.4	97.2	120.3	164.0	245.0	363.9	494.5	596.6	652.0	658.5	642.2
107.5°	96.4	110.3	132.7	170.7	237.7	336.0	451.3	559.6	643.3	694.3	718.1
110°	105.0	119.3	140.9	176.2	236.2	322.6	424.2	527.9	615.7	678.6	718.8



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	113.3	127.9	148.8	182.2	236.6	313.9	405.4	498.8	583.2	650.3	696.5
115°	126.7	139.9	161.1	191.0	238.7	304.4	382.0	463.0	538.6	603.0	653.6
117.5°	139.1	152.8	172.4	200.4	242.2	299.8	367.3	436.1	502.5	560.9	608.3
120°	147.3	161.1	180.2	206.7	244.5	297.0	359.5	422.8	483.6	535.7	580.4
122.5°	155.6	169.7	187.7	212.2	247.3	295.5	352.8	412.2	468.0	517.2	557.6
125°	167.5	181.2	198.9	220.9	251.4	292.7	343.2	396.7	447.3	490.5	527.4
127.5°	178.0	192.1	209.3	229.1	255.6	291.0	334.4	381.5	427.3	468.0	502.0
130°	184.6	198.4	215.6	234.2	258.7	290.2	328.5	371.7	414.0	452.7	485.1
132.5°	190.9	204.7	221.0	239.4	261.9	289.8	323.7	362.3	401.4	437.0	467.4
135°	199.3	213.1	228.9	246.0	265.6	289.2	317.2	349.1	381.5	414.0	441.4
137.5°	206.8	219.6	235.1	251.1	269.0	289.1	312.5	338.6	365.8	391.4	415.4
140°	211.1	223.9	238.7	253.8	270.5	288.7	309.9	331.9	355.5	378.1	399.7
142.5°	215.1	227.0	241.4	256.2	271.7	288.7	307.1	326.4	346.5	365.9	384.0
145°	221.4	232.2	245.5	259.2	273.0	287.7	303.4	318.7	334.8	350.1	364.4
147.5°	226.8	236.3	248.8	261.0	273.4	285.9	299.7	312.7	325.5	337.3	347.8
150°	230.3	239.1	250.4	261.7	273.0	284.8	296.6	308.3	319.2	329.5	338.3
152.5°	233.8	241.9	252.0	262.1	272.2	282.8	293.9	304.0	314.1	322.8	330.5
155°	238.7	246.0	254.3	262.7	271.0	279.4	288.7	298.1	305.9	313.2	318.7
157.5°	242.8	248.9	256.0	262.7	268.8	275.9	283.9	291.1	297.6	303.8	308.1
160°	245.5	250.9	256.8	262.7	267.6	273.5	280.3	286.7	292.1	297.6	301.0
162.5°	247.9	252.1	257.2	262.3	266.4	271.6	277.2	282.4	287.1	291.7	294.3
165°	250.4	253.4	257.8	261.2	264.2	267.6	272.0	276.0	279.4	282.8	284.8
167.5°	252.6	254.4	257.7	260.5	261.9	264.2	266.9	269.8	272.4	274.7	276.6
170°	253.4	254.9	257.3	259.8	260.7	262.2	264.2	266.7	268.1	270.1	271.0
172.5°	254.2	255.2	256.9	258.6	259.2	259.8	261.4	263.1	264.2	265.7	266.3
175°	254.9	255.3	256.3	257.3	256.8	257.3	257.8	259.2	259.8	260.3	260.7
177.5°	255.3	255.3	255.7	256.5	255.7	255.3	255.7	256.5	256.5	256.9	256.9
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1096.9	1096.1	1096.1	1093.0	1096.1	1096.1	1096.9	1100.4	1101.5	1102.2	1100.8
5°	1017.5	1016.2	1014.0	1016.2	1014.0	1016.2	1017.5	1023.6	1026.7	1029.8	1032.4
7.5°	939.0	933.8	933.0	927.7	933.0	933.8	939.0	941.9	948.0	955.0	961.3
10°	881.7	878.1	877.7	869.4	877.7	878.1	881.7	889.2	895.4	903.7	912.5
12.5°	838.1	829.7	831.3	826.5	831.3	829.7	838.1	838.2	845.4	850.6	864.3
15°	762.6	762.6	760.8	753.4	760.8	762.6	762.6	774.5	776.6	785.0	796.9
17.5°	708.3	707.5	703.3	705.3	703.3	707.5	708.3	717.0	718.5	729.7	739.4
20°	676.0	673.4	668.0	668.0	668.0	673.4	676.0	680.8	686.6	693.1	701.5
22.5°	645.4	645.2	639.6	641.4	639.6	645.2	645.4	649.9	655.2	662.5	669.5
25°	609.6	606.1	603.5	604.8	603.5	606.1	609.6	610.1	616.2	621.0	625.4
27.5°	575.7	573.8	573.6	570.0	573.6	573.8	575.7	576.9	580.3	583.2	587.3
30°	556.0	551.6	552.5	550.3	552.5	551.6	556.0	556.5	558.2	560.0	564.8
32.5°	533.5	531.9	531.1	529.2	531.1	531.9	533.5	534.3	537.8	539.6	543.4
35°	502.8	503.3	501.1	502.0	501.1	503.3	502.8	503.7	504.1	505.9	509.4
37.5°	476.0	477.4	476.4	476.6	476.4	477.4	476.0	476.5	476.9	477.2	478.2
40°	458.4	458.4	458.4	459.8	458.4	458.4	458.4	457.1	457.5	457.1	457.1
42.5°	441.5	440.8	440.1	440.1	440.1	440.8	441.5	438.5	440.0	438.5	437.7
45°	412.7	414.1	414.5	412.2	414.5	414.1	412.7	411.8	410.5	410.1	409.7
47.5°	386.6	386.8	386.6	388.6	386.6	386.8	386.6	385.5	383.4	382.6	380.6
50°	368.3	367.5	368.3	367.5	368.3	367.5	368.3	366.1	364.8	362.6	360.8
52.5°	349.0	349.1	348.6	348.4	348.6	349.1	349.0	346.1	345.4	344.7	341.9
55°	318.7	319.5	319.1	319.1	319.1	319.5	318.7	316.9	316.4	313.8	311.2
57.5°	287.3	288.1	288.7	286.7	288.7	288.1	287.3	287.0	286.7	284.0	281.1
60°	265.4	267.7	267.3	266.4	267.3	267.7	265.4	265.9	264.6	262.9	261.1
62.5°	245.5	246.2	246.2	246.0	246.2	246.2	245.5	243.4	242.8	241.0	239.3
65°	214.5	215.3	214.0	215.3	214.0	215.3	214.5	213.2	210.1	209.2	207.4
67.5°	181.2	181.4	182.4	183.0	182.4	181.4	181.2	181.7	179.7	178.0	177.6
70°	160.4	160.0	161.3	162.6	161.3	160.0	160.4	159.5	158.3	156.9	155.2
72.5°	138.6	139.6	139.1	140.1	139.1	139.6	138.6	138.8	137.5	135.8	134.1
75°	106.8	108.1	107.7	109.0	107.7	108.1	106.8	107.7	106.8	105.0	103.3
77.5°	77.1	77.3	77.1	77.9	77.1	77.3	77.1	77.9	76.9	77.5	75.5
80°	58.9	58.0	57.2	58.9	57.2	58.0	58.9	58.9	57.6	58.9	57.6
82.5°	41.0	41.5	40.6	40.6	40.6	41.5	41.0	42.0	41.4	42.0	40.7
85°	18.9	18.4	17.6	17.6	17.6	18.4	18.9	18.9	20.2	19.4	19.4
87.5°	6.7	6.4	6.4	6.0	6.4	6.4	6.7	6.7	6.6	7.1	7.4
90°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.7	14.7	15.7
92.5°	29.2	27.6	28.0	27.2	28.0	27.6	29.2	29.5	32.6	36.8	42.8
95°	60.9	57.0	55.4	56.0	55.4	57.0	60.9	67.2	78.1	98.7	128.6
97.5°	133.5	121.5	114.3	110.2	114.3	121.5	133.5	157.0	192.5	245.6	300.2
100°	220.0	198.9	184.6	175.8	184.6	198.9	220.0	260.7	320.1	387.4	448.3
102.5°	375.1	339.1	321.3	309.4	321.3	339.1	375.1	419.4	482.4	531.6	545.4
105°	611.8	581.3	560.3	553.4	560.3	581.3	611.8	642.2	658.5	652.0	596.6
107.5°	721.9	720.2	716.0	706.9	716.0	720.2	721.9	718.1	694.3	643.3	559.6
110°	739.9	749.3	753.7	753.2	753.7	749.3	739.9	718.8	678.6	615.7	527.9



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	725.8	741.4	749.8	752.4	749.8	741.4	725.8	696.5	650.3	583.2	498.8
115°	688.4	711.0	723.8	728.1	723.8	711.0	688.4	653.6	603.0	538.6	463.0
117.5°	643.9	667.7	681.1	684.8	681.1	667.7	643.9	608.3	560.9	502.5	436.1
120°	614.8	637.8	652.0	656.9	652.0	637.8	614.8	580.4	535.7	483.6	422.8
122.5°	588.4	611.1	623.8	627.9	623.8	611.1	588.4	557.6	517.2	468.0	412.2
125°	555.9	574.5	586.8	590.7	586.8	574.5	555.9	527.4	490.5	447.3	396.7
127.5°	526.8	544.3	554.9	558.1	554.9	544.3	526.8	502.0	468.0	427.3	381.5
130°	509.2	525.9	535.7	539.6	535.7	525.9	509.2	485.1	452.7	414.0	371.7
132.5°	491.1	507.8	516.9	520.4	516.9	507.8	491.1	467.4	437.0	401.4	362.3
135°	462.5	478.7	487.6	489.6	487.6	478.7	462.5	441.4	414.0	381.5	349.1
137.5°	434.6	448.6	456.3	459.3	456.3	448.6	434.6	415.4	391.4	365.8	338.6
140°	415.4	428.2	435.5	438.5	435.5	428.2	415.4	399.7	378.1	355.5	331.9
142.5°	398.9	410.5	417.1	417.7	417.1	410.5	398.9	384.0	365.9	346.5	326.4
145°	376.1	384.4	389.3	390.8	389.3	384.4	376.1	364.4	350.1	334.8	318.7
147.5°	357.5	364.1	367.5	368.3	367.5	364.1	357.5	347.8	337.3	325.5	312.7
150°	345.7	351.5	354.5	355.0	354.5	351.5	345.7	338.3	329.5	319.2	308.3
152.5°	336.2	341.4	343.5	343.6	343.5	341.4	336.2	330.5	322.8	314.1	304.0
155°	324.1	327.5	329.5	328.5	329.5	327.5	324.1	318.7	313.2	305.9	298.1
157.5°	311.9	314.8	315.6	315.6	315.6	314.8	311.9	308.1	303.8	297.6	291.1
160°	304.4	306.9	307.4	307.4	307.4	306.9	304.4	301.0	297.6	292.1	286.7
162.5°	297.7	299.5	299.9	299.5	299.9	299.5	297.7	294.3	291.7	287.1	282.4
165°	286.7	288.7	288.7	288.3	288.7	288.7	286.7	284.8	282.8	279.4	276.0
167.5°	277.4	278.5	278.4	277.8	278.4	278.5	277.4	276.6	274.7	272.4	269.8
170°	271.6	273.0	272.5	271.6	272.5	273.0	271.6	271.0	270.1	268.1	266.7
172.5°	266.8	267.5	267.0	266.4	267.0	267.5	266.8	266.3	265.7	264.2	263.1
175°	260.7	261.2	260.7	259.8	260.7	261.2	260.7	260.7	260.3	259.8	259.2
177.5°	256.9	256.9	256.5	255.7	256.5	256.9	256.9	256.9	256.9	256.5	256.5
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331341-935  
 CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1099.0	1102.9	1108.8	1115.2	1119.0	1126.4	1128.5	1132.0	1135.2	1142.6	1150.3
5°	1035.5	1041.6	1056.2	1064.1	1075.0	1087.8	1096.1	1105.0	1114.7	1131.4	1146.7
7.5°	967.5	977.8	995.7	1010.6	1026.2	1044.5	1057.7	1075.0	1089.5	1113.0	1135.6
10°	922.1	936.6	952.9	970.4	992.5	1011.8	1030.3	1052.2	1069.8	1097.9	1124.3
12.5°	881.3	883.6	906.8	926.2	956.2	980.2	1001.4	1029.8	1047.0	1080.4	1108.1
15°	810.0	823.2	844.3	859.7	895.4	925.7	955.5	985.0	1004.8	1046.0	1082.5
17.5°	750.0	762.2	783.8	809.0	834.6	864.7	903.4	934.4	961.3	1008.6	1051.7
20°	712.0	726.9	749.0	774.9	797.3	830.3	863.7	899.2	928.2	981.5	1032.0
22.5°	679.7	691.5	709.2	734.8	759.3	789.5	826.0	864.8	895.3	952.6	1003.8
25°	634.2	643.9	655.3	676.4	704.1	737.1	765.7	808.3	852.6	906.3	968.3
27.5°	593.2	600.1	610.3	628.8	650.2	681.1	712.8	753.3	797.9	856.1	921.5
30°	568.3	572.7	582.8	598.2	619.3	643.4	675.5	714.2	759.9	818.8	883.9
32.5°	546.5	550.5	557.2	571.8	590.1	610.8	639.7	678.4	721.9	779.8	851.9
35°	513.8	516.9	522.6	534.4	544.6	564.8	588.9	624.1	665.0	720.4	795.1
37.5°	481.2	485.4	489.0	494.0	507.0	520.2	541.2	570.9	611.1	666.9	738.1
40°	459.8	463.2	468.6	470.7	481.3	493.2	510.3	537.5	578.0	629.0	698.4
42.5°	437.9	441.4	444.6	447.2	456.3	466.7	482.2	505.6	541.4	591.0	659.7
45°	408.3	408.7	411.8	416.6	421.0	428.5	439.5	459.8	487.4	534.0	596.4
47.5°	378.2	378.8	379.3	381.4	386.2	393.0	400.3	416.7	441.5	478.7	539.5
50°	358.2	357.3	358.2	360.0	363.1	368.8	377.1	389.0	409.2	443.9	499.7
52.5°	338.9	338.7	338.2	338.9	341.2	345.2	351.1	361.2	379.3	411.2	460.4
55°	309.4	307.2	307.6	305.9	309.9	310.7	315.1	323.5	339.3	361.3	407.4
57.5°	278.0	276.2	274.2	273.7	273.4	275.8	279.3	285.9	298.0	317.3	354.7
60°	258.0	255.8	253.1	252.3	252.3	253.6	255.4	260.2	271.6	288.8	319.5
62.5°	237.6	235.1	233.5	231.2	230.5	231.8	233.6	237.0	245.2	261.3	287.9
65°	206.1	203.0	200.9	200.4	199.6	198.2	199.1	202.6	209.2	222.0	243.1
67.5°	174.6	171.7	171.2	168.6	167.4	167.6	167.4	170.4	174.4	185.3	201.0
70°	153.9	151.6	150.8	148.5	147.7	146.8	145.9	148.5	152.5	161.8	175.4
72.5°	132.8	130.9	129.0	127.1	127.3	126.4	126.2	127.8	131.0	139.6	150.1
75°	102.4	102.9	100.7	98.4	98.0	97.1	97.1	98.4	99.8	106.3	114.7
77.5°	74.3	74.0	72.1	71.4	70.9	70.0	70.9	71.8	72.5	76.9	83.1
80°	56.7	56.7	54.5	54.5	54.1	52.8	54.1	53.2	54.9	59.3	63.7
82.5°	40.6	39.8	39.7	39.0	38.9	38.0	38.6	39.4	40.2	43.1	45.8
85°	19.8	19.8	19.4	18.9	19.4	18.9	19.4	19.8	20.2	21.5	23.8
87.5°	7.5	7.9	8.2	7.9	7.2	7.1	7.1	7.3	7.8	7.7	7.8
90°	16.2	16.7	16.2	13.3	9.8	7.4	5.9	4.9	4.0	2.0	0.5
92.5°	53.9	63.8	62.9	49.0	33.4	22.3	17.7	14.4	12.1	8.6	6.0
95°	168.4	192.5	170.4	113.4	70.7	48.1	36.3	28.5	24.0	19.1	17.2
97.5°	344.7	328.6	247.5	152.8	93.3	64.9	51.6	42.5	35.8	30.7	28.0
100°	458.6	387.9	267.1	161.1	101.2	75.2	61.4	51.6	43.7	39.3	37.8
102.5°	501.0	389.9	259.7	161.4	108.2	84.1	70.4	60.2	52.3	48.0	46.8
105°	494.5	363.9	245.0	164.0	120.3	97.2	83.4	72.7	65.3	61.9	59.9
107.5°	451.3	336.0	237.7	170.7	132.7	110.3	96.4	85.8	79.0	75.6	74.0
110°	424.2	322.6	236.2	176.2	140.9	119.3	105.0	94.8	88.4	85.4	83.4



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	405.4	313.9	236.6	182.2	148.8	127.9	113.3	103.4	97.4	94.1	92.1
115°	382.0	304.4	238.7	191.0	161.1	139.9	126.7	116.8	111.0	108.1	105.6
117.5°	367.3	299.8	242.2	200.4	172.4	152.8	139.1	129.7	124.4	121.5	119.5
120°	359.5	297.0	244.5	206.7	180.2	161.1	147.3	137.5	133.0	130.1	128.1
122.5°	352.8	295.5	247.3	212.2	187.7	169.7	155.6	145.8	140.9	138.0	136.4
125°	343.2	292.7	251.4	220.9	198.9	181.2	167.5	157.6	151.7	148.8	147.3
127.5°	334.4	291.0	255.6	229.1	209.3	192.1	178.0	168.5	162.0	157.9	155.9
130°	328.5	290.2	258.7	234.2	215.6	198.4	184.6	174.8	167.9	163.0	161.1
132.5°	323.7	289.8	261.9	239.4	221.0	204.7	190.9	180.7	173.4	168.2	165.7
135°	317.2	289.2	265.6	246.0	228.9	213.1	199.3	188.0	180.7	174.8	172.8
137.5°	312.5	289.1	269.0	251.1	235.1	219.6	206.8	195.6	187.8	181.8	179.5
140°	309.9	288.7	270.5	253.8	238.7	223.9	211.1	200.4	192.5	186.6	184.6
142.5°	307.1	288.7	271.7	256.2	241.4	227.0	215.1	204.7	196.8	191.3	189.8
145°	303.4	287.7	273.0	259.2	245.5	232.2	221.4	211.6	204.2	199.3	197.4
147.5°	299.7	285.9	273.4	261.0	248.8	236.3	226.8	218.6	211.8	207.1	205.6
150°	296.6	284.8	273.0	261.7	250.4	239.1	230.3	222.9	216.5	212.6	211.1
152.5°	293.9	282.8	272.2	262.1	252.0	241.9	233.8	226.9	221.3	217.3	216.6
155°	288.7	279.4	271.0	262.7	254.3	246.0	238.7	233.2	227.8	224.9	224.4
157.5°	283.9	275.9	268.8	262.7	256.0	248.9	242.8	238.4	233.8	231.4	230.8
160°	280.3	273.5	267.6	262.7	256.8	250.9	245.5	241.6	237.6	235.7	235.2
162.5°	277.2	271.6	266.4	262.3	257.2	252.1	247.9	244.4	241.2	239.2	239.5
165°	272.0	267.6	264.2	261.2	257.8	253.4	250.4	248.0	245.0	244.0	244.5
167.5°	266.9	264.2	261.9	260.5	257.7	254.4	252.6	250.8	248.9	248.1	248.7
170°	264.2	262.2	260.7	259.8	257.3	254.9	253.4	252.4	250.9	250.4	251.4
172.5°	261.4	259.8	259.2	258.6	256.9	255.2	254.2	253.6	252.1	252.4	253.0
175°	257.8	257.3	256.8	257.3	256.3	255.3	254.9	254.9	253.8	254.3	254.9
177.5°	255.7	255.3	255.7	256.5	255.7	255.3	255.3	255.3	254.5	254.9	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331341-935

CATALOG NUMBER: SA2XXDIP-C675D530U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1149.6	1151.4	1157.0	1162.6	1169.0	1170.7	1173.5	1171.0	1170.4	1177.1	1182.0
5°	1152.9	1160.8	1176.2	1190.2	1202.1	1210.5	1219.3	1222.8	1229.3	1238.5	1250.0
7.5°	1149.2	1164.6	1188.8	1209.2	1231.6	1247.7	1260.2	1270.9	1283.9	1301.4	1320.5
10°	1145.0	1165.6	1195.1	1220.1	1247.3	1268.0	1285.2	1301.8	1321.2	1345.4	1370.5
12.5°	1137.2	1161.7	1198.6	1228.2	1263.2	1283.5	1306.7	1342.6	1363.4	1397.1	1432.4
15°	1121.7	1148.9	1200.3	1236.8	1276.3	1315.1	1357.7	1392.0	1426.2	1446.0	1495.7
17.5°	1098.5	1138.6	1195.5	1238.0	1288.3	1349.3	1397.1	1436.0	1475.6	1507.7	1532.6
20°	1080.0	1123.4	1188.4	1239.5	1299.2	1364.7	1419.7	1459.2	1493.5	1520.4	1535.7
22.5°	1056.4	1111.1	1174.4	1234.2	1310.5	1375.3	1433.0	1464.1	1492.8	1505.9	1511.8
25°	1019.3	1085.2	1156.8	1229.8	1316.0	1384.5	1437.3	1456.1	1464.5	1451.7	1430.6
27.5°	979.3	1052.7	1136.5	1221.5	1312.6	1378.5	1416.3	1413.3	1399.2	1358.0	1325.0
30°	949.3	1030.3	1120.3	1213.1	1304.5	1368.6	1390.7	1368.6	1336.6	1290.5	1243.5
32.5°	918.1	1001.8	1103.1	1201.1	1289.8	1346.2	1350.9	1313.1	1263.4	1211.0	1152.4
35°	870.7	961.2	1070.7	1174.4	1258.4	1294.0	1272.9	1206.1	1147.2	1075.6	995.5
37.5°	817.2	917.1	1026.9	1135.3	1211.3	1220.6	1168.3	1097.9	1014.9	930.7	836.5
40°	777.1	883.0	996.0	1105.4	1172.7	1163.0	1096.1	1018.8	919.9	817.1	729.6
42.5°	741.2	847.1	962.2	1069.5	1123.4	1096.9	1018.8	923.9	817.6	720.7	640.7
45°	679.1	788.1	905.9	1009.6	1040.3	992.5	889.2	783.7	679.1	598.2	534.9
47.5°	618.8	726.5	843.2	934.4	945.2	880.8	767.9	659.4	569.5	503.6	458.9
50°	574.5	682.6	798.1	879.5	876.0	798.1	682.2	578.9	503.7	450.5	420.6
52.5°	534.8	636.9	747.9	821.8	803.2	718.3	607.6	515.9	454.1	412.5	385.5
55°	472.9	567.4	672.9	732.3	697.9	603.9	510.3	436.4	390.7	359.6	338.5
57.5°	411.6	500.2	590.5	627.1	589.2	502.3	424.2	370.7	336.3	313.2	299.5
60°	373.6	451.0	531.4	563.0	517.7	440.4	378.8	331.0	303.2	284.4	272.1
62.5°	335.6	404.9	480.8	498.0	456.6	391.2	336.7	296.9	274.1	257.3	245.7
65°	284.0	340.6	398.2	409.7	371.4	320.9	277.8	251.8	231.6	219.3	210.1
67.5°	232.9	278.4	319.2	328.4	294.9	259.8	228.8	206.1	192.4	182.2	174.4
70°	202.6	238.7	272.1	279.6	252.7	221.5	197.8	179.8	167.5	158.7	151.2
72.5°	170.7	200.7	228.4	233.5	211.5	187.8	168.2	154.1	143.2	137.6	130.4
75°	130.5	148.1	169.6	171.0	156.4	142.0	127.0	117.8	112.1	105.0	101.5
77.5°	92.1	105.9	118.2	120.6	112.0	102.1	93.8	86.5	81.6	78.4	75.2
80°	70.3	81.3	86.6	89.6	83.5	76.5	71.6	66.8	63.7	61.6	59.3
82.5°	50.3	57.1	62.0	64.3	61.0	56.8	51.9	49.2	46.8	45.0	44.3
85°	25.5	28.6	31.7	32.5	31.7	29.9	27.2	27.2	25.9	25.5	25.5
87.5°	9.2	11.0	11.2	12.4	12.1	12.5	13.2	13.4	13.2	12.7	12.3
90°	2.0	4.0	4.9	5.9	7.4	9.8	13.3	16.2	16.7	16.2	15.7
92.5°	8.6	12.1	14.4	17.7	22.3	33.4	49.0	62.9	63.8	53.9	42.8
95°	19.1	24.0	28.5	36.3	48.1	70.7	113.4	170.4	192.5	168.4	128.6
97.5°	30.7	35.8	42.5	51.6	64.9	93.3	152.8	247.5	328.6	344.7	300.2
100°	39.3	43.7	51.6	61.4	75.2	101.2	161.1	267.1	387.9	458.6	448.3
102.5°	48.0	52.3	60.2	70.4	84.1	108.2	161.4	259.7	389.9	501.0	545.4
105°	61.9	65.3	72.7	83.4	97.2	120.3	164.0	245.0	363.9	494.5	596.6
107.5°	75.6	79.0	85.8	96.4	110.3	132.7	170.7	237.7	336.0	451.3	559.6
110°	85.4	88.4	94.8	105.0	119.3	140.9	176.2	236.2	322.6	424.2	527.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	94.1	97.4	103.4	113.3	127.9	148.8	182.2	236.6	313.9	405.4	498.8
115°	108.1	111.0	116.8	126.7	139.9	161.1	191.0	238.7	304.4	382.0	463.0
117.5°	121.5	124.4	129.7	139.1	152.8	172.4	200.4	242.2	299.8	367.3	436.1
120°	130.1	133.0	137.5	147.3	161.1	180.2	206.7	244.5	297.0	359.5	422.8
122.5°	138.0	140.9	145.8	155.6	169.7	187.7	212.2	247.3	295.5	352.8	412.2
125°	148.8	151.7	157.6	167.5	181.2	198.9	220.9	251.4	292.7	343.2	396.7
127.5°	157.9	162.0	168.5	178.0	192.1	209.3	229.1	255.6	291.0	334.4	381.5
130°	163.0	167.9	174.8	184.6	198.4	215.6	234.2	258.7	290.2	328.5	371.7
132.5°	168.2	173.4	180.7	190.9	204.7	221.0	239.4	261.9	289.8	323.7	362.3
135°	174.8	180.7	188.0	199.3	213.1	228.9	246.0	265.6	289.2	317.2	349.1
137.5°	181.8	187.8	195.6	206.8	219.6	235.1	251.1	269.0	289.1	312.5	338.6
140°	186.6	192.5	200.4	211.1	223.9	238.7	253.8	270.5	288.7	309.9	331.9
142.5°	191.3	196.8	204.7	215.1	227.0	241.4	256.2	271.7	288.7	307.1	326.4
145°	199.3	204.2	211.6	221.4	232.2	245.5	259.2	273.0	287.7	303.4	318.7
147.5°	207.1	211.8	218.6	226.8	236.3	248.8	261.0	273.4	285.9	299.7	312.7
150°	212.6	216.5	222.9	230.3	239.1	250.4	261.7	273.0	284.8	296.6	308.3
152.5°	217.3	221.3	226.9	233.8	241.9	252.0	262.1	272.2	282.8	293.9	304.0
155°	224.9	227.8	233.2	238.7	246.0	254.3	262.7	271.0	279.4	288.7	298.1
157.5°	231.4	233.8	238.4	242.8	248.9	256.0	262.7	268.8	275.9	283.9	291.1
160°	235.7	237.6	241.6	245.5	250.9	256.8	262.7	267.6	273.5	280.3	286.7
162.5°	239.2	241.2	244.4	247.9	252.1	257.2	262.3	266.4	271.6	277.2	282.4
165°	244.0	245.0	248.0	250.4	253.4	257.8	261.2	264.2	267.6	272.0	276.0
167.5°	248.1	248.9	250.8	252.6	254.4	257.7	260.5	261.9	264.2	266.9	269.8
170°	250.4	250.9	252.4	253.4	254.9	257.3	259.8	260.7	262.2	264.2	266.7
172.5°	252.4	252.1	253.6	254.2	255.2	256.9	258.6	259.2	259.8	261.4	263.1
175°	254.3	253.8	254.9	254.9	255.3	256.3	257.3	256.8	257.3	257.8	259.2
177.5°	254.9	254.5	255.3	255.3	255.3	255.7	256.5	255.7	255.3	255.7	256.5
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1186.2	1191.1	1191.1	1191.8	1197.5	1196.7	1196.4
5°	1262.3	1269.8	1270.7	1278.6	1283.8	1282.1	1277.3
7.5°	1334.1	1348.1	1358.6	1364.4	1371.4	1375.7	1373.8
10°	1391.1	1411.4	1423.7	1432.0	1442.1	1449.6	1446.9
12.5°	1442.8	1466.9	1483.8	1498.1	1499.4	1509.0	1502.4
15°	1523.4	1548.9	1551.5	1562.1	1570.5	1569.5	1569.9
17.5°	1550.1	1558.2	1559.9	1560.1	1560.2	1557.1	1550.5
20°	1540.5	1537.5	1530.0	1524.3	1514.2	1512.9	1504.1
22.5°	1495.6	1485.7	1467.1	1454.7	1438.9	1434.8	1432.4
25°	1407.0	1385.3	1355.5	1326.9	1319.1	1303.6	1308.0
27.5°	1285.4	1251.8	1219.4	1196.2	1175.2	1152.2	1158.7
30°	1199.9	1162.1	1116.4	1081.2	1058.9	1036.8	1032.9
32.5°	1097.9	1042.6	991.5	960.6	926.3	912.4	897.2
35°	922.1	868.1	817.5	774.0	749.0	729.6	712.0
37.5°	764.0	701.7	661.0	625.7	607.6	596.5	599.3
40°	665.9	611.4	581.5	554.7	538.0	530.0	531.8
42.5°	586.4	545.6	521.0	502.7	490.9	486.5	485.4
45°	496.2	473.4	453.1	442.6	436.9	432.0	429.0
47.5°	434.7	416.0	404.7	398.4	393.4	388.5	388.4
50°	397.8	385.5	377.5	370.9	367.0	363.5	366.5
52.5°	369.6	358.3	350.5	344.6	343.1	339.9	339.8
55°	327.9	319.1	313.4	308.1	305.5	303.7	301.5
57.5°	289.9	281.5	276.3	272.9	267.9	266.1	265.4
60°	262.9	256.2	251.0	246.6	244.4	240.8	240.8
62.5°	237.9	231.3	226.4	223.0	219.4	218.0	218.3
65°	201.7	196.5	191.7	188.1	187.3	184.6	185.5
67.5°	168.5	165.0	159.9	158.0	156.3	154.9	153.9
70°	146.4	142.8	140.2	137.6	136.2	136.2	136.2
72.5°	127.7	123.5	121.9	118.6	119.3	118.0	116.6
75°	98.9	96.3	95.0	93.6	91.4	91.4	91.4
77.5°	72.8	72.0	70.4	69.0	68.4	68.0	68.2
80°	56.2	55.8	54.9	54.9	54.1	53.6	52.8
82.5°	43.2	42.1	41.6	41.2	41.1	41.0	40.8
85°	24.6	23.8	23.8	24.2	23.3	23.3	23.8
87.5°	12.4	12.7	12.4	12.4	12.7	12.4	12.4
90°	14.7	15.7	16.2	16.2	16.2	16.2	16.2
92.5°	36.8	32.6	29.5	29.2	27.6	28.0	27.2
95°	98.7	78.1	67.2	60.9	57.0	55.4	56.0
97.5°	245.6	192.5	157.0	133.5	121.5	114.3	110.2
100°	387.4	320.1	260.7	220.0	198.9	184.6	175.8
102.5°	531.6	482.4	419.4	375.1	339.1	321.3	309.4
105°	652.0	658.5	642.2	611.8	581.3	560.3	553.4
107.5°	643.3	694.3	718.1	721.9	720.2	716.0	706.9
110°	615.7	678.6	718.8	739.9	749.3	753.7	753.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	583.2	650.3	696.5	725.8	741.4	749.8	752.4
115°	538.6	603.0	653.6	688.4	711.0	723.8	728.1
117.5°	502.5	560.9	608.3	643.9	667.7	681.1	684.8
120°	483.6	535.7	580.4	614.8	637.8	652.0	656.9
122.5°	468.0	517.2	557.6	588.4	611.1	623.8	627.9
125°	447.3	490.5	527.4	555.9	574.5	586.8	590.7
127.5°	427.3	468.0	502.0	526.8	544.3	554.9	558.1
130°	414.0	452.7	485.1	509.2	525.9	535.7	539.6
132.5°	401.4	437.0	467.4	491.1	507.8	516.9	520.4
135°	381.5	414.0	441.4	462.5	478.7	487.6	489.6
137.5°	365.8	391.4	415.4	434.6	448.6	456.3	459.3
140°	355.5	378.1	399.7	415.4	428.2	435.5	438.5
142.5°	346.5	365.9	384.0	398.9	410.5	417.1	417.7
145°	334.8	350.1	364.4	376.1	384.4	389.3	390.8
147.5°	325.5	337.3	347.8	357.5	364.1	367.5	368.3
150°	319.2	329.5	338.3	345.7	351.5	354.5	355.0
152.5°	314.1	322.8	330.5	336.2	341.4	343.5	343.6
155°	305.9	313.2	318.7	324.1	327.5	329.5	328.5
157.5°	297.6	303.8	308.1	311.9	314.8	315.6	315.6
160°	292.1	297.6	301.0	304.4	306.9	307.4	307.4
162.5°	287.1	291.7	294.3	297.7	299.5	299.9	299.5
165°	279.4	282.8	284.8	286.7	288.7	288.7	288.3
167.5°	272.4	274.7	276.6	277.4	278.5	278.4	277.8
170°	268.1	270.1	271.0	271.6	273.0	272.5	271.6
172.5°	264.2	265.7	266.3	266.8	267.5	267.0	266.4
175°	259.8	260.3	260.7	260.7	261.2	260.7	259.8
177.5°	256.5	256.9	256.9	256.9	256.9	256.5	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3

(END OF REPORT)