

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: P331348-935

Luminaire Tested: **SA2XXDIP-C675D725U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331348-935
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: SA2XXDIP-C675D725U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

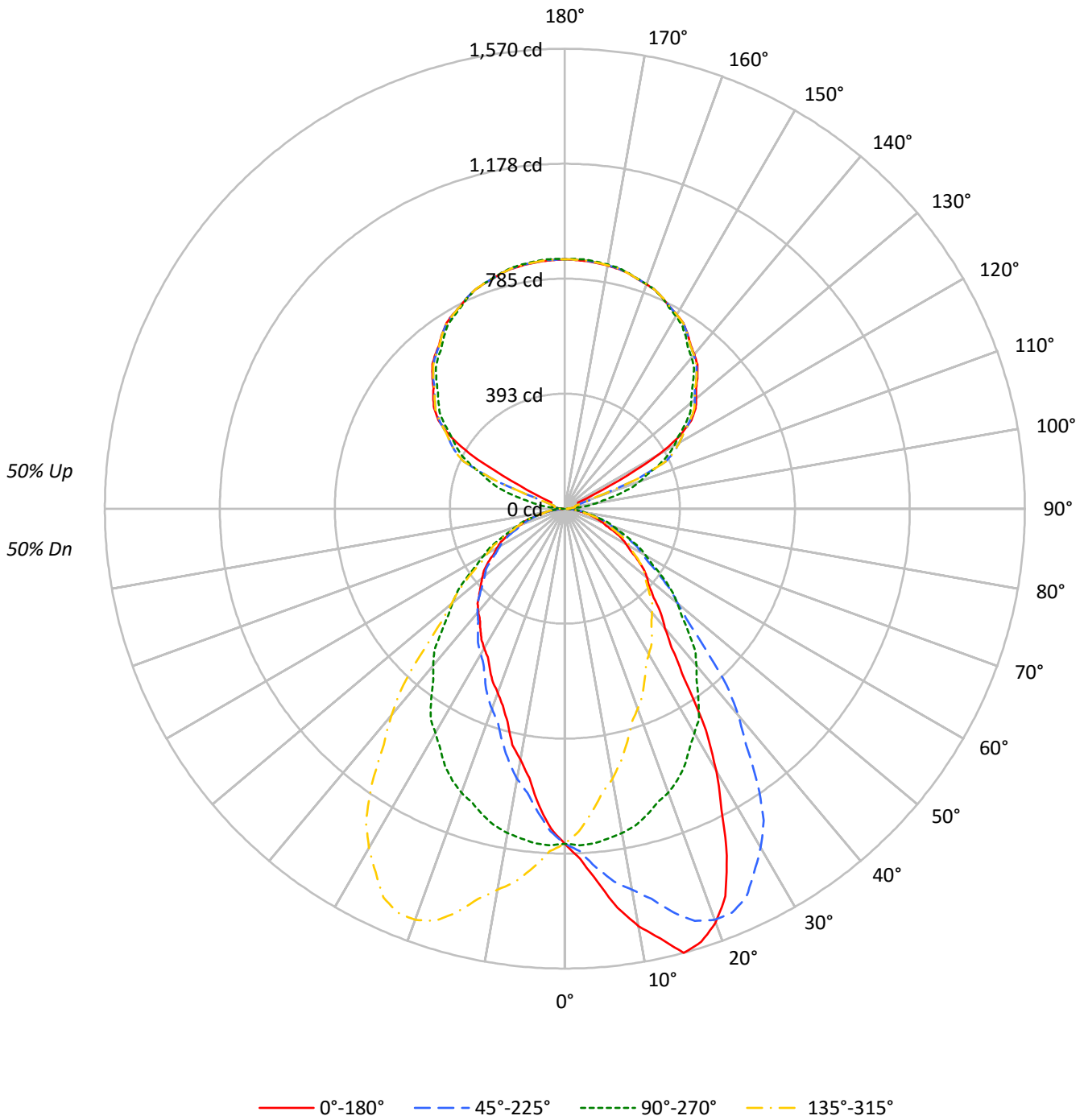
Lumens per Lamp: N/A
Luminaire Lumens: 5019.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50				
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43				
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37				
3	82	73	66	61	76	68	62	57	58	53	50	49	46	43	40	38	36	32				
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28				
5	70	58	50	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25				
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22				
7	60	48	40	34	55	44	37	33	38	33	29	33	29	26	28	25	22	20				
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18				
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	20	18	16				
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	17	15				

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	2.2
10°-20°	316.6	6.3
20°-30°	459.5	9.2
30°-40°	484.9	9.7
40°-50°	429.4	8.6
50°-60°	342.6	6.8
60°-70°	232.9	4.6
70°-80°	119.4	2.4
80°-90°	30.9	0.6
90°-100°	28.4	0.6
100°-110°	104.1	2.1
110°-120°	278.3	5.5
120°-130°	459.4	9.2
130°-140°	488.6	9.7
140°-150°	454.1	9.0
150°-160°	365.1	7.3
160°-170°	235.3	4.7
170°-180°	81.0	1.6
0°-30°	885.1	17.6
0°-40°	1370.0	27.3
0°-60°	2142.0	42.7
0°-90°	2525.2	50.3
90°-120°	410.8	8.2
90°-150°	1813.0	36.1
90°-180°	2494.0	49.7
0°-180°	5019.6	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°	17	1	17	1	17	9
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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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°	12.5	12.4	12.7	12.3	12.2	12.5	12.4	11.9	12.1	12.3	12.5
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	35.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	37.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	57.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	12.6	12.3	12.1	12.6	11.2	10.9	9.2	7.8	7.8	7.7	7.3
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

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°	7.3	7.2	7.1	7.3	7.1	7.1	6.8	7.0	7.1	6.5	6.6
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

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	6.5	6.1	6.5	6.4	6.7	6.6	6.5	7.1	7.0
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331348-935

CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

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°	6.8	7.1	7.1	7.3	7.1	7.2	7.3	7.3	7.7	7.8	7.8
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331348-935
 CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331348-935
 CATALOG NUMBER: SA2XXDIP-C675D725U935-4F0-1E-UDD-A

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	10.9	11.2	12.6	12.1	12.3	12.6	12.5	12.3	12.1	11.9
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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	12.5	12.2	12.3	12.7	12.4	12.5
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)