

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: P331348-940

Luminaire Tested: **SA2XXDIP-C675D725U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331348-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D725U940-4F0-1E-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: 5198.7 lumens
Efficiency: N/A
Efficacy: 113.3 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

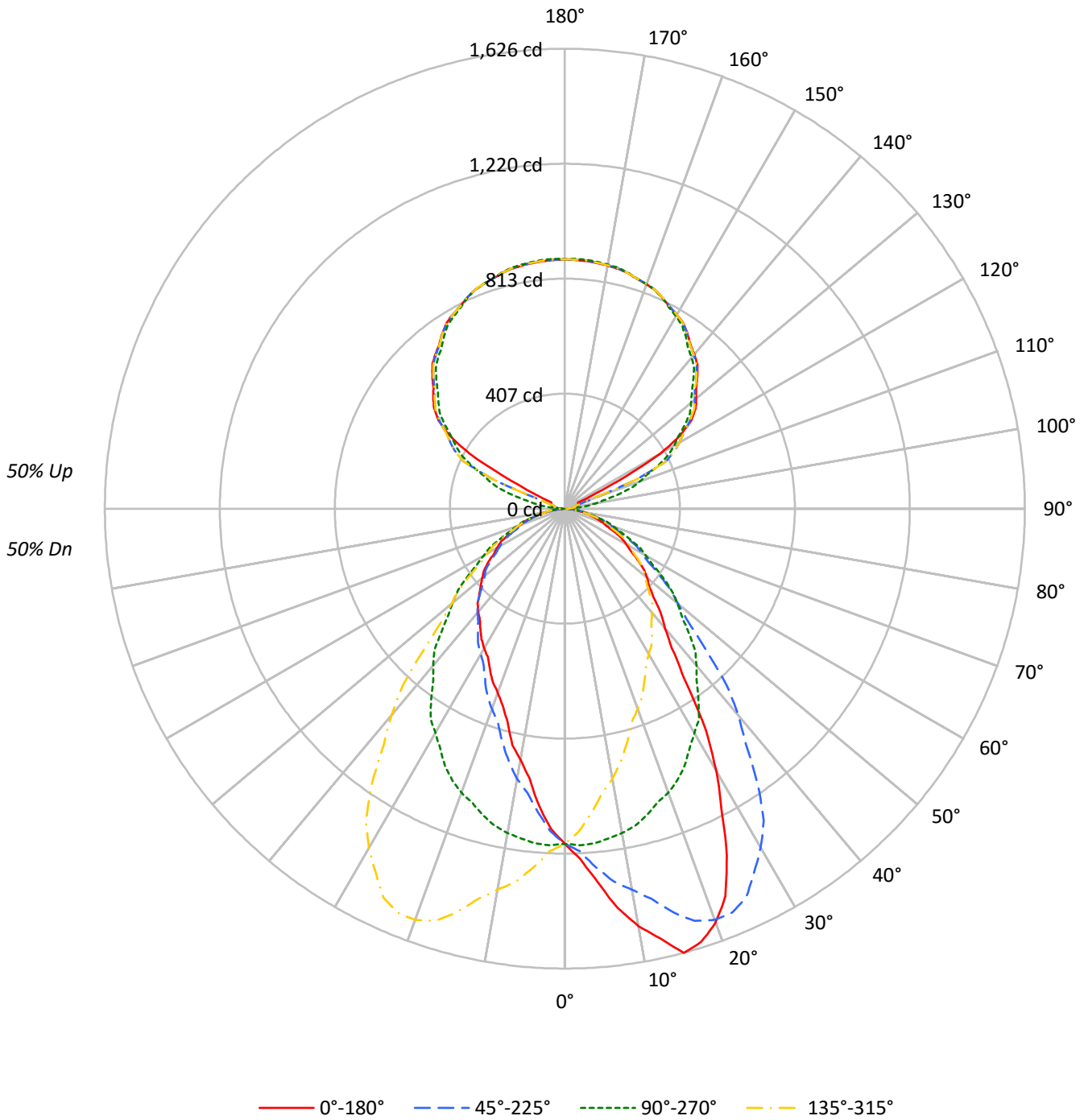
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19125	19125	19125	19125
5°	21441	19248	17057	19248
10°	24568	19090	14762	19090
15°	27178	18740	13041	18740
20°	26764	18364	11888	18364
25°	24134	17865	11158	17865
30°	19943	17066	10625	17066
35°	14534	16232	10247	16232
40°	11609	15247	10037	15247
45°	10145	14104	9750	14104
50°	9535	12999	9560	12999
55°	8791	11879	9303	11879
60°	8054	10685	8909	10685
65°	7339	9616	8520	9616
70°	6661	8573	7950	8573
75°	5908	7411	7043	7411
80°	5086	6137	5672	6137
85°	4557	4557	3372	4557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.2
10°-20°	327.9	6.3
20°-30°	475.9	9.2
30°-40°	502.2	9.7
40°-50°	444.7	8.6
50°-60°	354.9	6.8
60°-70°	241.2	4.6
70°-80°	123.7	2.4
80°-90°	32.0	0.6
90°-100°	29.4	0.6
100°-110°	107.8	2.1
110°-120°	288.3	5.5
120°-130°	475.8	9.2
130°-140°	506.0	9.7
140°-150°	470.3	9.0
150°-160°	378.1	7.3
160°-170°	243.7	4.7
170°-180°	83.9	1.6
0°-30°	916.7	17.6
0°-40°	1418.9	27.3
0°-60°	2218.4	42.7
0°-90°	2615.3	50.3
90°-120°	425.5	8.2
90°-150°	1877.7	36.1
90°-180°	2583.0	49.7
0°-180°	5198.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1184	1184	1184	1184	1184	
5°	1323	1188	1052	1188	1323	132
15°	1626	1121	780	1121	1626	449
25°	1355	1003	626	1003	1355	612
35°	737	824	520	824	737	480
45°	444	618	427	618	444	349
55°	312	422	330	422	312	280
65°	192	252	223	252	192	191
75°	95	119	113	119	95	101
85°	25	25	18	25	25	27
90°	17	1	17	1	17	9
95°	28	42	28	42	28	26
105°	48	194	48	194	48	50
115°	52	367	52	367	52	131
125°	545	519	545	519	545	472
135°	663	642	663	642	663	511
145°	756	744	756	744	756	473
155°	820	820	820	820	820	379
165°	862	864	862	864	862	243
175°	878	883	878	883	878	84
180°	882	882	882	882	882	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1239.0	1239.4	1240.2	1234.3	1233.6	1233.6	1228.5	1224.1	1219.1	1212.1	1212.8
5°	1322.9	1327.8	1329.6	1324.2	1316.0	1315.1	1307.3	1294.6	1282.7	1273.2	1266.4
7.5°	1422.8	1424.8	1420.3	1413.1	1407.0	1396.2	1381.7	1367.6	1347.8	1329.7	1316.3
10°	1498.5	1501.3	1493.5	1483.1	1474.4	1461.7	1440.7	1419.3	1393.4	1368.3	1348.3
12.5°	1556.0	1562.8	1552.9	1551.5	1536.7	1519.2	1494.2	1483.5	1446.9	1412.0	1390.5
15°	1625.9	1625.5	1626.5	1617.8	1606.9	1604.1	1577.7	1549.1	1497.6	1477.1	1441.6
17.5°	1605.8	1612.7	1615.9	1615.8	1615.5	1613.8	1605.3	1587.2	1561.5	1528.2	1487.2
20°	1557.7	1566.8	1568.2	1578.7	1584.6	1592.3	1595.4	1590.5	1574.6	1546.8	1511.3
22.5°	1483.5	1485.9	1490.2	1506.5	1519.4	1538.7	1548.9	1565.8	1559.6	1546.0	1516.4
25°	1354.7	1350.1	1366.1	1374.2	1403.8	1434.8	1457.1	1481.7	1503.5	1516.7	1508.1
27.5°	1200.1	1193.3	1217.1	1238.9	1262.9	1296.5	1331.2	1372.3	1406.4	1449.1	1463.7
30°	1069.7	1073.8	1096.6	1119.8	1156.2	1203.5	1242.7	1287.8	1336.5	1384.3	1417.5
32.5°	929.2	944.9	959.3	994.9	1026.9	1079.8	1137.1	1193.5	1254.2	1308.5	1359.9
35°	737.4	755.6	775.7	801.6	846.7	899.0	955.0	1031.0	1113.9	1188.1	1249.1
37.5°	620.7	617.8	629.3	648.0	684.6	726.7	791.2	866.4	963.9	1051.1	1137.1
40°	550.8	548.9	557.1	574.4	602.3	633.2	689.6	755.6	846.2	952.7	1055.2
42.5°	502.7	503.8	508.4	520.6	539.6	565.1	607.3	663.5	746.5	846.8	956.8
45°	444.3	447.5	452.5	458.4	469.3	490.3	513.9	554.0	619.6	703.3	811.6
47.5°	402.3	402.3	407.4	412.6	419.1	430.9	450.2	475.3	521.6	589.8	682.9
50°	379.6	376.5	380.1	384.1	391.0	399.2	412.0	435.6	466.5	521.7	599.5
52.5°	352.0	352.0	355.3	356.9	363.0	371.1	382.8	399.2	427.2	470.3	534.3
55°	312.3	314.5	316.4	319.1	324.6	330.5	339.6	350.5	372.4	404.7	452.0
57.5°	274.9	275.6	277.5	282.7	286.1	291.6	300.2	310.1	324.4	348.3	383.9
60°	249.4	249.4	253.1	255.4	259.9	265.4	272.2	281.8	294.5	314.1	342.8
62.5°	226.1	225.8	227.2	231.0	234.4	239.5	246.4	254.5	266.4	283.8	307.5
65°	192.1	191.2	193.9	194.8	198.5	203.5	208.9	217.6	227.1	239.9	260.8
67.5°	159.3	160.4	161.8	163.6	165.6	170.9	174.5	180.7	188.7	199.3	213.5
70°	141.1	141.1	141.1	142.5	145.2	147.9	151.6	156.6	164.3	173.4	186.2
72.5°	120.7	122.2	123.6	122.8	126.3	127.9	132.2	135.1	142.5	148.3	159.6
75°	94.7	94.7	94.7	96.9	98.4	99.7	102.5	105.1	108.8	116.1	122.0
77.5°	70.6	70.4	70.9	71.4	72.9	74.5	75.3	77.8	81.2	84.5	89.6
80°	54.7	55.6	56.0	56.9	56.9	57.8	58.2	61.4	63.8	66.0	69.2
82.5°	42.3	42.4	42.5	42.7	43.1	43.6	44.8	45.8	46.6	48.5	51.0
85°	24.6	24.2	24.2	25.1	24.6	24.6	25.5	26.4	26.4	26.8	28.2
87.5°	12.9	12.8	13.2	12.8	12.7	12.9	12.8	12.3	12.5	12.8	12.9
90°	17.2	16.9	16.7	16.4	16.1	15.6	14.9	14.2	13.5	12.8	11.6
92.5°	17.2	17.0	16.9	16.7	16.6	16.2	15.9	15.5	15.2	14.8	14.3
95°	27.5	27.6	27.7	27.8	28.0	27.7	27.0	26.3	25.6	24.9	23.9
97.5°	36.6	36.5	36.3	36.1	35.9	35.6	35.0	34.4	33.9	33.3	31.0
100°	42.7	42.4	42.2	41.9	41.6	40.9	39.8	38.6	37.5	36.4	34.0
102.5°	45.8	45.4	45.0	44.6	44.2	43.2	41.8	40.3	38.9	37.4	35.5
105°	48.5	47.9	47.3	46.8	46.2	45.1	43.6	42.0	40.5	38.9	37.6
107.5°	49.8	49.3	48.8	48.2	47.6	48.2	49.7	51.3	52.9	54.5	100.9
110°	50.4	49.8	49.2	48.7	48.2	54.9	69.1	83.3	97.5	111.6	152.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	50.9	50.5	50.0	49.6	49.0	74.7	126.4	178.2	229.9	281.5	291.7
115°	52.3	62.5	72.7	82.9	93.1	131.1	196.7	262.3	328.0	393.6	390.0
117.5°	213.6	247.1	280.6	314.1	347.7	372.4	388.3	404.2	420.1	436.0	433.5
120°	389.1	408.2	427.4	446.5	465.7	474.4	472.7	471.0	469.2	467.5	465.0
122.5°	485.5	489.3	492.9	496.7	500.4	501.8	500.7	499.7	498.6	497.7	494.9
125°	545.4	544.9	544.6	544.1	543.7	543.0	542.0	541.0	540.0	539.0	536.3
127.5°	583.2	583.1	583.0	582.9	582.8	582.0	580.6	579.2	577.7	576.2	574.3
130°	606.6	606.7	606.9	607.1	607.2	606.5	604.9	603.3	601.8	600.2	598.7
132.5°	629.5	629.7	629.9	630.0	630.2	629.5	628.2	626.9	625.5	624.2	622.7
135°	662.7	663.0	663.3	663.6	663.9	663.3	661.9	660.5	659.1	657.6	656.4
137.5°	692.9	693.5	693.9	694.5	694.9	694.5	693.0	691.7	690.3	688.9	687.4
140°	711.9	712.6	713.3	714.0	714.7	714.4	713.1	711.9	710.6	709.4	707.8
142.5°	730.2	730.9	731.6	732.4	733.1	732.8	731.6	730.5	729.3	728.2	726.4
145°	755.9	756.6	757.3	758.0	758.7	758.6	757.6	756.6	755.6	754.6	752.2
147.5°	778.5	779.1	779.6	780.2	780.9	780.8	780.1	779.3	778.6	777.8	775.4
150°	792.2	792.9	793.6	794.3	795.0	795.0	794.2	793.3	792.5	791.6	789.3
152.5°	804.0	804.9	805.8	806.8	807.7	807.8	806.9	806.0	805.2	804.3	802.2
155°	820.3	821.4	822.6	823.7	824.8	825.0	824.1	823.3	822.4	821.5	819.8
157.5°	835.3	836.3	837.4	838.6	839.6	839.7	838.7	837.8	836.9	835.9	834.6
160°	843.9	844.9	845.9	846.9	847.8	847.9	847.1	846.2	845.4	844.5	843.6
162.5°	851.0	852.3	853.5	854.7	856.0	856.0	855.1	854.1	853.2	852.2	851.5
165°	861.7	862.7	863.7	864.8	865.8	865.8	864.8	863.7	862.7	861.7	861.3
167.5°	868.5	869.8	871.1	872.4	873.6	873.8	872.8	871.8	870.8	869.8	869.4
170°	872.6	873.9	875.1	876.5	877.7	877.9	876.8	875.8	874.9	873.9	873.6
172.5°	875.7	876.9	878.2	879.5	880.7	880.9	879.9	879.0	878.0	876.9	876.6
175°	878.3	879.8	881.2	882.6	884.0	884.2	883.2	882.3	881.3	880.3	879.9
177.5°	880.0	881.0	882.1	883.1	884.1	884.2	883.4	882.6	881.8	881.0	880.9
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1215.4	1212.5	1210.7	1204.1	1198.3	1192.5	1190.6	1191.3	1183.4	1175.7	1172.4
5°	1262.8	1253.7	1245.0	1232.7	1218.2	1202.2	1194.0	1187.6	1171.7	1154.4	1144.4
7.5°	1305.2	1292.2	1275.5	1252.3	1231.2	1206.1	1190.2	1176.1	1152.7	1128.4	1113.4
10°	1331.1	1313.2	1291.8	1263.6	1237.7	1207.2	1185.8	1164.4	1137.1	1108.0	1089.8
12.5°	1353.3	1329.3	1308.2	1272.0	1241.4	1203.2	1177.8	1147.6	1118.9	1084.3	1066.5
15°	1406.1	1362.0	1321.9	1280.9	1243.1	1189.9	1161.7	1121.1	1083.3	1040.6	1020.1
17.5°	1447.0	1397.4	1334.3	1282.2	1238.1	1179.2	1137.7	1089.2	1044.6	995.6	967.8
20°	1470.3	1413.4	1345.6	1283.7	1230.8	1163.5	1118.5	1068.8	1016.5	961.4	931.3
22.5°	1484.2	1424.3	1357.3	1278.2	1216.3	1150.8	1094.0	1039.6	986.6	927.2	895.6
25°	1488.5	1433.9	1362.9	1273.6	1198.1	1123.9	1055.6	1002.8	938.6	883.1	837.1
27.5°	1466.9	1427.7	1359.4	1265.1	1177.1	1090.3	1014.2	954.4	886.6	826.3	780.2
30°	1440.3	1417.5	1351.0	1256.3	1160.3	1067.0	983.2	915.4	848.0	787.0	739.7
32.5°	1399.1	1394.2	1335.8	1243.9	1142.5	1037.5	950.8	882.3	807.6	747.7	702.6
35°	1318.3	1340.2	1303.2	1216.3	1108.8	995.5	901.8	823.5	746.1	688.8	646.4
37.5°	1210.0	1264.2	1254.5	1175.8	1063.5	949.9	846.3	764.5	690.7	632.8	591.3
40°	1135.2	1204.4	1214.5	1144.9	1031.5	914.5	804.8	723.4	651.4	598.6	556.7
42.5°	1055.2	1136.0	1163.5	1107.7	996.5	877.4	767.7	683.2	612.1	560.7	523.6
45°	920.9	1027.9	1077.5	1045.6	938.2	816.2	703.3	617.7	553.0	504.8	476.2
47.5°	795.3	912.2	978.9	967.7	873.3	752.4	640.9	558.7	495.8	457.3	431.6
50°	706.5	826.6	907.2	910.9	826.6	706.9	594.9	517.5	459.8	423.8	402.9
52.5°	629.3	744.0	831.9	851.1	774.5	659.6	553.8	476.8	425.9	392.8	374.1
55°	528.5	625.4	722.8	758.4	696.9	587.6	489.8	422.0	374.2	351.4	335.0
57.5°	439.3	520.2	610.2	649.4	611.5	518.0	426.2	367.4	328.6	308.6	296.0
60°	392.4	456.1	536.2	583.1	550.4	467.1	386.9	330.9	299.1	281.3	269.5
62.5°	348.7	405.1	472.9	515.8	497.9	419.4	347.6	298.2	270.6	254.0	245.5
65°	287.7	332.3	384.7	424.3	412.4	352.8	294.1	251.7	229.9	216.7	209.8
67.5°	236.9	269.1	305.4	340.1	330.6	288.3	241.2	208.2	191.9	180.6	176.5
70°	204.8	229.4	261.7	289.5	281.8	247.2	209.8	181.6	167.6	157.9	153.8
72.5°	174.2	194.5	219.1	241.8	236.6	207.9	176.7	155.4	144.5	135.7	132.3
75°	131.5	147.0	162.0	177.1	175.7	153.4	135.2	118.8	110.1	103.3	101.9
77.5°	97.1	105.8	116.0	124.9	122.4	109.7	95.4	86.1	79.6	75.1	74.4
80°	74.2	79.2	86.5	92.8	89.7	84.2	72.9	66.0	61.4	56.9	55.1
82.5°	53.8	58.9	63.2	66.6	64.2	59.1	52.1	47.4	44.7	41.6	40.8
85°	28.2	30.9	32.8	33.7	32.8	29.6	26.4	24.6	22.3	21.0	20.5
87.5°	13.0	12.8	12.6	13.0	11.6	11.3	9.5	8.1	8.1	8.0	7.6
90°	10.5	9.4	8.2	6.9	5.4	3.7	2.2	0.6	2.2	3.7	5.4
92.5°	13.6	13.1	12.6	12.3	12.5	12.6	12.8	12.8	12.8	12.6	12.5
95°	22.9	21.9	20.9	22.7	27.5	32.1	36.8	41.5	36.8	32.1	27.5
97.5°	28.7	26.4	24.1	29.5	42.7	55.9	69.1	82.3	69.1	55.9	42.7
100°	31.6	29.2	26.8	35.2	54.7	74.1	93.5	112.9	93.5	74.1	54.7
102.5°	77.7	97.8	118.0	130.1	134.3	138.4	142.5	146.6	142.5	138.4	134.3
105°	116.3	155.0	193.7	210.9	206.7	202.4	198.1	193.9	198.1	202.4	206.7
107.5°	147.3	193.7	240.1	261.6	258.2	254.8	251.3	247.9	251.3	254.8	258.2
110°	193.6	234.5	275.4	294.4	291.5	288.6	285.5	282.6	285.5	288.6	291.5



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.8	311.9	322.0	325.7	323.2	320.5	317.9	315.2	317.9	320.5	323.2
115°	386.5	382.9	379.4	376.4	374.0	371.6	369.2	366.8	369.2	371.6	374.0
117.5°	431.1	428.6	426.1	423.6	420.9	418.2	415.5	412.9	415.5	418.2	420.9
120°	462.4	459.9	457.4	455.0	452.9	450.8	448.6	446.5	448.6	450.8	452.9
122.5°	492.1	489.4	486.5	484.0	481.8	479.6	477.3	475.1	477.3	479.6	481.8
125°	533.6	530.9	528.2	525.9	524.1	522.3	520.4	518.6	520.4	522.3	524.1
127.5°	572.2	570.2	568.2	566.1	564.1	562.1	560.1	558.0	560.1	562.1	564.1
130°	597.1	595.6	594.0	592.1	589.8	587.5	585.3	583.0	585.3	587.5	589.8
132.5°	621.1	619.6	618.0	616.3	614.3	612.4	610.5	608.5	610.5	612.4	614.3
135°	655.1	653.8	652.6	650.8	648.5	646.2	644.0	641.7	644.0	646.2	648.5
137.5°	686.0	684.6	683.1	681.6	680.0	678.4	676.8	675.3	676.8	678.4	680.0
140°	706.2	704.6	703.1	701.7	700.6	699.5	698.3	697.2	698.3	699.5	700.6
142.5°	724.6	722.8	721.0	719.6	718.6	717.6	716.6	715.6	716.6	717.6	718.6
145°	749.8	747.3	744.9	743.9	744.0	744.1	744.2	744.4	744.2	744.1	744.0
147.5°	773.0	770.7	768.3	767.4	767.9	768.5	769.0	769.5	769.0	768.5	767.9
150°	787.0	784.8	782.6	781.9	782.9	783.9	784.9	785.9	784.9	783.9	782.9
152.5°	800.0	797.9	795.8	795.2	796.3	797.5	798.5	799.6	798.5	797.5	796.3
155°	818.1	816.5	814.8	814.6	815.8	817.1	818.4	819.7	818.4	817.1	815.8
157.5°	833.5	832.3	831.1	831.1	832.1	833.2	834.3	835.4	834.3	833.2	832.1
160°	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5	843.6	842.8	842.0
162.5°	850.7	850.0	849.3	849.3	850.2	851.0	851.9	852.7	851.9	851.0	850.2
165°	860.9	860.5	860.1	860.2	861.1	862.0	862.8	863.7	862.8	862.0	861.1
167.5°	869.0	868.6	868.2	868.4	869.3	870.1	871.0	871.8	871.0	870.1	869.3
170°	873.3	873.1	872.7	873.1	873.9	874.8	875.6	876.5	875.6	874.8	873.9
172.5°	876.4	876.1	875.8	876.1	876.9	877.8	878.6	879.5	878.6	877.8	876.9
175°	879.7	879.4	879.1	879.5	880.5	881.5	882.4	883.4	882.4	881.5	880.5
177.5°	880.8	880.7	880.6	880.9	881.7	882.5	883.3	884.1	883.3	882.5	881.7
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1168.8	1166.6	1159.0	1154.9	1148.3	1142.2	1138.2	1140.1	1141.5	1140.8	1139.6
5°	1135.2	1126.6	1113.4	1102.1	1093.9	1078.8	1072.5	1069.3	1066.6	1063.4	1060.2
7.5°	1095.4	1081.7	1062.8	1046.6	1031.3	1012.6	1002.0	995.6	989.1	981.9	975.5
10°	1067.0	1047.8	1027.9	1005.0	986.9	970.0	955.0	945.0	935.9	927.3	920.9
12.5°	1037.1	1015.1	990.3	959.2	939.1	915.1	912.8	895.1	880.9	875.6	868.1
15°	989.6	958.7	927.3	890.4	874.4	852.6	838.9	825.3	813.0	804.3	802.1
17.5°	935.6	895.5	864.3	837.9	811.7	789.3	776.8	765.8	755.7	744.1	742.6
20°	894.5	859.9	825.7	802.5	775.7	752.9	737.4	726.5	717.8	711.1	705.1
22.5°	855.5	817.6	786.4	761.0	734.5	716.1	703.9	693.4	686.2	678.6	673.1
25°	793.0	763.4	729.2	700.5	678.7	666.9	656.8	647.7	643.2	638.2	631.9
27.5°	738.2	705.3	673.4	651.2	632.0	621.5	614.4	608.2	604.0	601.0	597.4
30°	699.6	666.4	641.4	619.6	603.6	593.2	588.6	585.0	580.0	578.1	576.3
32.5°	662.5	632.6	611.2	592.2	577.0	570.2	566.0	562.8	558.8	557.0	553.3
35°	609.9	585.0	564.0	553.5	541.3	535.3	532.2	527.5	524.0	522.1	521.7
37.5°	560.5	538.8	525.0	511.6	506.4	502.7	498.4	495.3	494.2	493.9	493.5
40°	528.5	510.8	498.5	487.5	485.3	479.7	476.2	473.4	473.4	473.9	473.4
42.5°	499.4	483.4	472.6	463.2	460.5	457.2	453.5	453.3	454.1	455.7	454.1
45°	455.2	443.8	436.0	431.5	426.5	423.3	422.8	424.3	424.7	425.2	426.5
47.5°	414.6	407.1	400.0	395.0	392.8	392.3	391.7	394.1	396.3	397.1	399.2
50°	390.6	381.9	376.0	372.8	371.0	370.1	371.0	373.7	375.5	377.8	379.2
52.5°	363.6	357.5	353.4	351.0	350.3	350.8	351.0	354.1	357.0	357.8	358.5
55°	326.4	321.8	320.9	316.8	318.6	318.2	320.5	322.3	325.0	327.7	328.2
57.5°	289.3	285.6	283.1	283.5	284.0	286.1	287.9	291.1	294.1	296.9	297.2
60°	264.5	262.6	261.3	261.3	262.2	264.9	267.2	270.4	272.2	274.0	275.4
62.5°	241.9	240.0	238.7	239.4	241.8	243.4	246.1	247.8	249.6	251.5	252.1
65°	206.2	205.3	206.7	207.6	208.0	210.3	213.5	214.8	216.7	217.6	220.8
67.5°	173.3	173.5	173.3	174.6	177.3	177.8	180.8	184.0	184.3	186.1	188.2
70°	151.1	152.0	152.9	153.8	156.1	157.0	159.3	160.7	162.5	163.9	165.2
72.5°	130.7	130.9	131.8	131.6	133.6	135.5	137.5	138.8	140.6	142.4	143.7
75°	100.6	100.6	101.5	101.9	104.2	106.6	106.0	107.0	108.8	110.6	111.6
77.5°	73.5	72.5	73.5	73.9	74.6	76.6	77.0	78.2	80.3	79.6	80.7
80°	56.0	54.7	56.0	56.4	56.4	58.8	58.8	59.7	61.0	59.7	61.0
82.5°	39.9	39.3	40.3	40.4	41.1	41.2	42.0	42.2	43.5	42.9	43.5
85°	20.1	19.6	20.1	19.6	20.1	20.5	20.5	20.1	20.1	21.0	19.6
87.5°	7.6	7.5	7.3	7.6	7.4	7.3	7.0	7.2	7.3	6.8	6.9
90°	6.9	8.2	9.4	10.5	11.6	12.8	13.5	14.2	14.9	15.6	16.1
92.5°	12.3	12.6	13.1	13.6	14.3	14.8	15.2	15.5	15.9	16.2	16.6
95°	22.7	20.9	21.9	22.9	23.9	24.9	25.6	26.3	27.0	27.7	28.0
97.5°	29.5	24.1	26.4	28.7	31.0	33.3	33.9	34.4	35.0	35.6	35.9
100°	35.2	26.8	29.2	31.6	34.0	36.4	37.5	38.6	39.8	40.9	41.6
102.5°	130.1	118.0	97.8	77.7	57.5	37.4	38.9	40.3	41.8	43.2	44.2
105°	210.9	193.7	155.0	116.3	77.6	38.9	40.5	42.0	43.6	45.1	46.2
107.5°	261.6	240.1	193.7	147.3	100.9	54.5	52.9	51.3	49.7	48.2	47.6
110°	294.4	275.4	234.5	193.6	152.6	111.6	97.5	83.3	69.1	54.9	48.2



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	325.7	322.0	311.9	301.8	291.7	281.5	229.9	178.2	126.4	74.7	49.0
115°	376.4	379.4	382.9	386.5	390.0	393.6	328.0	262.3	196.7	131.1	93.1
117.5°	423.6	426.1	428.6	431.1	433.5	436.0	420.1	404.2	388.3	372.4	347.7
120°	455.0	457.4	459.9	462.4	465.0	467.5	469.2	471.0	472.7	474.4	465.7
122.5°	484.0	486.5	489.4	492.1	494.9	497.7	498.6	499.7	500.7	501.8	500.4
125°	525.9	528.2	530.9	533.6	536.3	539.0	540.0	541.0	542.0	543.0	543.7
127.5°	566.1	568.2	570.2	572.2	574.3	576.2	577.7	579.2	580.6	582.0	582.8
130°	592.1	594.0	595.6	597.1	598.7	600.2	601.8	603.3	604.9	606.5	607.2
132.5°	616.3	618.0	619.6	621.1	622.7	624.2	625.5	626.9	628.2	629.5	630.2
135°	650.8	652.6	653.8	655.1	656.4	657.6	659.1	660.5	661.9	663.3	663.9
137.5°	681.6	683.1	684.6	686.0	687.4	688.9	690.3	691.7	693.0	694.5	694.9
140°	701.7	703.1	704.6	706.2	707.8	709.4	710.6	711.9	713.1	714.4	714.7
142.5°	719.6	721.0	722.8	724.6	726.4	728.2	729.3	730.5	731.6	732.8	733.1
145°	743.9	744.9	747.3	749.8	752.2	754.6	755.6	756.6	757.6	758.6	758.7
147.5°	767.4	768.3	770.7	773.0	775.4	777.8	778.6	779.3	780.1	780.8	780.9
150°	781.9	782.6	784.8	787.0	789.3	791.6	792.5	793.3	794.2	795.0	795.0
152.5°	795.2	795.8	797.9	800.0	802.2	804.3	805.2	806.0	806.9	807.8	807.7
155°	814.6	814.8	816.5	818.1	819.8	821.5	822.4	823.3	824.1	825.0	824.8
157.5°	831.1	831.1	832.3	833.5	834.6	835.9	836.9	837.8	838.7	839.7	839.6
160°	841.2	841.2	842.0	842.8	843.6	844.5	845.4	846.2	847.1	847.9	847.8
162.5°	849.3	849.3	850.0	850.7	851.5	852.2	853.2	854.1	855.1	856.0	856.0
165°	860.2	860.1	860.5	860.9	861.3	861.7	862.7	863.7	864.8	865.8	865.8
167.5°	868.4	868.2	868.6	869.0	869.4	869.8	870.8	871.8	872.8	873.8	873.6
170°	873.1	872.7	873.1	873.3	873.6	873.9	874.9	875.8	876.8	877.9	877.7
172.5°	876.1	875.8	876.1	876.4	876.6	876.9	878.0	879.0	879.9	880.9	880.7
175°	879.5	879.1	879.4	879.7	879.9	880.3	881.3	882.3	883.2	884.2	884.0
177.5°	880.9	880.6	880.7	880.8	880.9	881.0	881.8	882.6	883.4	884.2	884.1
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331348-940
 CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1136.0	1135.2	1135.2	1132.0	1135.2	1135.2	1136.0	1139.6	1140.8	1141.5	1140.1
5°	1053.8	1052.4	1050.2	1052.4	1050.2	1052.4	1053.8	1060.2	1063.4	1066.6	1069.3
7.5°	972.5	967.1	966.3	960.8	966.3	967.1	972.5	975.5	981.9	989.1	995.6
10°	913.1	909.5	909.0	900.4	909.0	909.5	913.1	920.9	927.3	935.9	945.0
12.5°	868.0	859.3	860.9	856.0	860.9	859.3	868.0	868.1	875.6	880.9	895.1
15°	789.8	789.8	787.9	780.2	787.9	789.8	789.8	802.1	804.3	813.0	825.3
17.5°	733.6	732.7	728.3	730.5	728.3	732.7	733.6	742.6	744.1	755.7	765.8
20°	700.1	697.4	691.9	691.9	691.9	697.4	700.1	705.1	711.1	717.8	726.5
22.5°	668.4	668.2	662.5	664.2	662.5	668.2	668.4	673.1	678.6	686.2	693.4
25°	631.3	627.8	625.0	626.3	625.0	627.8	631.3	631.9	638.2	643.2	647.7
27.5°	596.2	594.2	594.1	590.3	594.1	594.2	596.2	597.4	601.0	604.0	608.2
30°	575.9	571.3	572.2	569.9	572.2	571.3	575.9	576.3	578.1	580.0	585.0
32.5°	552.5	550.9	550.0	548.0	550.0	550.9	552.5	553.3	557.0	558.8	562.8
35°	520.8	521.2	519.0	519.9	519.0	521.2	520.8	521.7	522.1	524.0	527.5
37.5°	493.0	494.5	493.4	493.7	493.4	494.5	493.0	493.5	493.9	494.2	495.3
40°	474.7	474.7	474.7	476.2	474.7	474.7	474.7	473.4	473.9	473.4	473.4
42.5°	457.3	456.6	455.8	455.8	455.8	456.6	457.3	454.1	455.7	454.1	453.3
45°	427.4	428.8	429.3	427.0	429.3	428.8	427.4	426.5	425.2	424.7	424.3
47.5°	400.4	400.6	400.4	402.4	400.4	400.6	400.4	399.2	397.1	396.3	394.1
50°	381.5	380.6	381.5	380.6	381.5	380.6	381.5	379.2	377.8	375.5	373.7
52.5°	361.4	361.6	361.1	360.9	361.1	361.6	361.4	358.5	357.8	357.0	354.1
55°	330.0	330.9	330.5	330.5	330.5	330.9	330.0	328.2	327.7	325.0	322.3
57.5°	297.6	298.4	299.0	296.9	299.0	298.4	297.6	297.2	296.9	294.1	291.1
60°	274.9	277.2	276.8	275.9	276.8	277.2	274.9	275.4	274.0	272.2	270.4
62.5°	254.2	255.0	254.9	254.8	254.9	255.0	254.2	252.1	251.5	249.6	247.8
65°	222.1	223.0	221.7	223.0	221.7	223.0	222.1	220.8	217.6	216.7	214.8
67.5°	187.6	187.9	189.0	189.6	189.0	187.9	187.6	188.2	186.1	184.3	184.0
70°	166.1	165.7	167.0	168.4	167.0	165.7	166.1	165.2	163.9	162.5	160.7
72.5°	143.6	144.5	144.1	145.1	144.1	144.5	143.6	143.7	142.4	140.6	138.8
75°	110.6	112.0	111.6	112.9	111.6	112.0	110.6	111.6	110.6	108.8	107.0
77.5°	79.9	80.1	79.9	80.7	79.9	80.1	79.9	80.7	79.6	80.3	78.2
80°	61.0	60.1	59.2	61.0	59.2	60.1	61.0	61.0	59.7	61.0	59.7
82.5°	42.4	43.0	42.1	42.1	42.1	43.0	42.4	43.5	42.9	43.5	42.2
85°	19.6	19.1	18.2	18.2	18.2	19.1	19.6	19.6	21.0	20.1	20.1
87.5°	7.0	6.6	6.7	6.3	6.7	6.6	7.0	6.9	6.8	7.3	7.2
90°	16.4	16.7	16.9	17.2	16.9	16.7	16.4	16.1	15.6	14.9	14.2
92.5°	16.7	16.9	17.0	17.2	17.0	16.9	16.7	16.6	16.2	15.9	15.5
95°	27.8	27.7	27.6	27.5	27.6	27.7	27.8	28.0	27.7	27.0	26.3
97.5°	36.1	36.3	36.5	36.6	36.5	36.3	36.1	35.9	35.6	35.0	34.4
100°	41.9	42.2	42.4	42.7	42.4	42.2	41.9	41.6	40.9	39.8	38.6
102.5°	44.6	45.0	45.4	45.8	45.4	45.0	44.6	44.2	43.2	41.8	40.3
105°	46.8	47.3	47.9	48.5	47.9	47.3	46.8	46.2	45.1	43.6	42.0
107.5°	48.2	48.8	49.3	49.8	49.3	48.8	48.2	47.6	48.2	49.7	51.3
110°	48.7	49.2	49.8	50.4	49.8	49.2	48.7	48.2	54.9	69.1	83.3



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	49.6	50.0	50.5	50.9	50.5	50.0	49.6	49.0	74.7	126.4	178.2
115°	82.9	72.7	62.5	52.3	62.5	72.7	82.9	93.1	131.1	196.7	262.3
117.5°	314.1	280.6	247.1	213.6	247.1	280.6	314.1	347.7	372.4	388.3	404.2
120°	446.5	427.4	408.2	389.1	408.2	427.4	446.5	465.7	474.4	472.7	471.0
122.5°	496.7	492.9	489.3	485.5	489.3	492.9	496.7	500.4	501.8	500.7	499.7
125°	544.1	544.6	544.9	545.4	544.9	544.6	544.1	543.7	543.0	542.0	541.0
127.5°	582.9	583.0	583.1	583.2	583.1	583.0	582.9	582.8	582.0	580.6	579.2
130°	607.1	606.9	606.7	606.6	606.7	606.9	607.1	607.2	606.5	604.9	603.3
132.5°	630.0	629.9	629.7	629.5	629.7	629.9	630.0	630.2	629.5	628.2	626.9
135°	663.6	663.3	663.0	662.7	663.0	663.3	663.6	663.9	663.3	661.9	660.5
137.5°	694.5	693.9	693.5	692.9	693.5	693.9	694.5	694.9	694.5	693.0	691.7
140°	714.0	713.3	712.6	711.9	712.6	713.3	714.0	714.7	714.4	713.1	711.9
142.5°	732.4	731.6	730.9	730.2	730.9	731.6	732.4	733.1	732.8	731.6	730.5
145°	758.0	757.3	756.6	755.9	756.6	757.3	758.0	758.7	758.6	757.6	756.6
147.5°	780.2	779.6	779.1	778.5	779.1	779.6	780.2	780.9	780.8	780.1	779.3
150°	794.3	793.6	792.9	792.2	792.9	793.6	794.3	795.0	795.0	794.2	793.3
152.5°	806.8	805.8	804.9	804.0	804.9	805.8	806.8	807.7	807.8	806.9	806.0
155°	823.7	822.6	821.4	820.3	821.4	822.6	823.7	824.8	825.0	824.1	823.3
157.5°	838.6	837.4	836.3	835.3	836.3	837.4	838.6	839.6	839.7	838.7	837.8
160°	846.9	845.9	844.9	843.9	844.9	845.9	846.9	847.8	847.9	847.1	846.2
162.5°	854.7	853.5	852.3	851.0	852.3	853.5	854.7	856.0	856.0	855.1	854.1
165°	864.8	863.7	862.7	861.7	862.7	863.7	864.8	865.8	865.8	864.8	863.7
167.5°	872.4	871.1	869.8	868.5	869.8	871.1	872.4	873.6	873.8	872.8	871.8
170°	876.5	875.1	873.9	872.6	873.9	875.1	876.5	877.7	877.9	876.8	875.8
172.5°	879.5	878.2	876.9	875.7	876.9	878.2	879.5	880.7	880.9	879.9	879.0
175°	882.6	881.2	879.8	878.3	879.8	881.2	882.6	884.0	884.2	883.2	882.3
177.5°	883.1	882.1	881.0	880.0	881.0	882.1	883.1	884.1	884.2	883.4	882.6
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1138.2	1142.2	1148.3	1154.9	1159.0	1166.6	1168.8	1172.4	1175.7	1183.4	1191.3
5°	1072.5	1078.8	1093.9	1102.1	1113.4	1126.6	1135.2	1144.4	1154.4	1171.7	1187.6
7.5°	1002.0	1012.6	1031.3	1046.6	1062.8	1081.7	1095.4	1113.4	1128.4	1152.7	1176.1
10°	955.0	970.0	986.9	1005.0	1027.9	1047.8	1067.0	1089.8	1108.0	1137.1	1164.4
12.5°	912.8	915.1	939.1	959.2	990.3	1015.1	1037.1	1066.5	1084.3	1118.9	1147.6
15°	838.9	852.6	874.4	890.4	927.3	958.7	989.6	1020.1	1040.6	1083.3	1121.1
17.5°	776.8	789.3	811.7	837.9	864.3	895.5	935.6	967.8	995.6	1044.6	1089.2
20°	737.4	752.9	775.7	802.5	825.7	859.9	894.5	931.3	961.4	1016.5	1068.8
22.5°	703.9	716.1	734.5	761.0	786.4	817.6	855.5	895.6	927.2	986.6	1039.6
25°	656.8	666.9	678.7	700.5	729.2	763.4	793.0	837.1	883.1	938.6	1002.8
27.5°	614.4	621.5	632.0	651.2	673.4	705.3	738.2	780.2	826.3	886.6	954.4
30°	588.6	593.2	603.6	619.6	641.4	666.4	699.6	739.7	787.0	848.0	915.4
32.5°	566.0	570.2	577.0	592.2	611.2	632.6	662.5	702.6	747.7	807.6	882.3
35°	532.2	535.3	541.3	553.5	564.0	585.0	609.9	646.4	688.8	746.1	823.5
37.5°	498.4	502.7	506.4	511.6	525.0	538.8	560.5	591.3	632.8	690.7	764.5
40°	476.2	479.7	485.3	487.5	498.5	510.8	528.5	556.7	598.6	651.4	723.4
42.5°	453.5	457.2	460.5	463.2	472.6	483.4	499.4	523.6	560.7	612.1	683.2
45°	422.8	423.3	426.5	431.5	436.0	443.8	455.2	476.2	504.8	553.0	617.7
47.5°	391.7	392.3	392.8	395.0	400.0	407.1	414.6	431.6	457.3	495.8	558.7
50°	371.0	370.1	371.0	372.8	376.0	381.9	390.6	402.9	423.8	459.8	517.5
52.5°	351.0	350.8	350.3	351.0	353.4	357.5	363.6	374.1	392.8	425.9	476.8
55°	320.5	318.2	318.6	316.8	320.9	321.8	326.4	335.0	351.4	374.2	422.0
57.5°	287.9	286.1	284.0	283.5	283.1	285.6	289.3	296.0	308.6	328.6	367.4
60°	267.2	264.9	262.2	261.3	261.3	262.6	264.5	269.5	281.3	299.1	330.9
62.5°	246.1	243.4	241.8	239.4	238.7	240.0	241.9	245.5	254.0	270.6	298.2
65°	213.5	210.3	208.0	207.6	206.7	205.3	206.2	209.8	216.7	229.9	251.7
67.5°	180.8	177.8	177.3	174.6	173.3	173.5	173.3	176.5	180.6	191.9	208.2
70°	159.3	157.0	156.1	153.8	152.9	152.0	151.1	153.8	157.9	167.6	181.6
72.5°	137.5	135.5	133.6	131.6	131.8	130.9	130.7	132.3	135.7	144.5	155.4
75°	106.0	106.6	104.2	101.9	101.5	100.6	100.6	101.9	103.3	110.1	118.8
77.5°	77.0	76.6	74.6	73.9	73.5	72.5	73.5	74.4	75.1	79.6	86.1
80°	58.8	58.8	56.4	56.4	56.0	54.7	56.0	55.1	56.9	61.4	66.0
82.5°	42.0	41.2	41.1	40.4	40.3	39.3	39.9	40.8	41.6	44.7	47.4
85°	20.5	20.5	20.1	19.6	20.1	19.6	20.1	20.5	21.0	22.3	24.6
87.5°	7.0	7.3	7.4	7.6	7.3	7.5	7.6	7.6	8.0	8.1	8.1
90°	13.5	12.8	11.6	10.5	9.4	8.2	6.9	5.4	3.7	2.2	0.6
92.5°	15.2	14.8	14.3	13.6	13.1	12.6	12.3	12.5	12.6	12.8	12.8
95°	25.6	24.9	23.9	22.9	21.9	20.9	22.7	27.5	32.1	36.8	41.5
97.5°	33.9	33.3	31.0	28.7	26.4	24.1	29.5	42.7	55.9	69.1	82.3
100°	37.5	36.4	34.0	31.6	29.2	26.8	35.2	54.7	74.1	93.5	112.9
102.5°	38.9	37.4	57.5	77.7	97.8	118.0	130.1	134.3	138.4	142.5	146.6
105°	40.5	38.9	77.6	116.3	155.0	193.7	210.9	206.7	202.4	198.1	193.9
107.5°	52.9	54.5	100.9	147.3	193.7	240.1	261.6	258.2	254.8	251.3	247.9
110°	97.5	111.6	152.6	193.6	234.5	275.4	294.4	291.5	288.6	285.5	282.6



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	229.9	281.5	291.7	301.8	311.9	322.0	325.7	323.2	320.5	317.9	315.2
115°	328.0	393.6	390.0	386.5	382.9	379.4	376.4	374.0	371.6	369.2	366.8
117.5°	420.1	436.0	433.5	431.1	428.6	426.1	423.6	420.9	418.2	415.5	412.9
120°	469.2	467.5	465.0	462.4	459.9	457.4	455.0	452.9	450.8	448.6	446.5
122.5°	498.6	497.7	494.9	492.1	489.4	486.5	484.0	481.8	479.6	477.3	475.1
125°	540.0	539.0	536.3	533.6	530.9	528.2	525.9	524.1	522.3	520.4	518.6
127.5°	577.7	576.2	574.3	572.2	570.2	568.2	566.1	564.1	562.1	560.1	558.0
130°	601.8	600.2	598.7	597.1	595.6	594.0	592.1	589.8	587.5	585.3	583.0
132.5°	625.5	624.2	622.7	621.1	619.6	618.0	616.3	614.3	612.4	610.5	608.5
135°	659.1	657.6	656.4	655.1	653.8	652.6	650.8	648.5	646.2	644.0	641.7
137.5°	690.3	688.9	687.4	686.0	684.6	683.1	681.6	680.0	678.4	676.8	675.3
140°	710.6	709.4	707.8	706.2	704.6	703.1	701.7	700.6	699.5	698.3	697.2
142.5°	729.3	728.2	726.4	724.6	722.8	721.0	719.6	718.6	717.6	716.6	715.6
145°	755.6	754.6	752.2	749.8	747.3	744.9	743.9	744.0	744.1	744.2	744.4
147.5°	778.6	777.8	775.4	773.0	770.7	768.3	767.4	767.9	768.5	769.0	769.5
150°	792.5	791.6	789.3	787.0	784.8	782.6	781.9	782.9	783.9	784.9	785.9
152.5°	805.2	804.3	802.2	800.0	797.9	795.8	795.2	796.3	797.5	798.5	799.6
155°	822.4	821.5	819.8	818.1	816.5	814.8	814.6	815.8	817.1	818.4	819.7
157.5°	836.9	835.9	834.6	833.5	832.3	831.1	831.1	832.1	833.2	834.3	835.4
160°	845.4	844.5	843.6	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5
162.5°	853.2	852.2	851.5	850.7	850.0	849.3	849.3	850.2	851.0	851.9	852.7
165°	862.7	861.7	861.3	860.9	860.5	860.1	860.2	861.1	862.0	862.8	863.7
167.5°	870.8	869.8	869.4	869.0	868.6	868.2	868.4	869.3	870.1	871.0	871.8
170°	874.9	873.9	873.6	873.3	873.1	872.7	873.1	873.9	874.8	875.6	876.5
172.5°	878.0	876.9	876.6	876.4	876.1	875.8	876.1	876.9	877.8	878.6	879.5
175°	881.3	880.3	879.9	879.7	879.4	879.1	879.5	880.5	881.5	882.4	883.4
177.5°	881.8	881.0	880.9	880.8	880.7	880.6	880.9	881.7	882.5	883.3	884.1
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331348-940

CATALOG NUMBER: SA2XXDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1190.6	1192.5	1198.3	1204.1	1210.7	1212.5	1215.4	1212.8	1212.1	1219.1	1224.1
5°	1194.0	1202.2	1218.2	1232.7	1245.0	1253.7	1262.8	1266.4	1273.2	1282.7	1294.6
7.5°	1190.2	1206.1	1231.2	1252.3	1275.5	1292.2	1305.2	1316.3	1329.7	1347.8	1367.6
10°	1185.8	1207.2	1237.7	1263.6	1291.8	1313.2	1331.1	1348.3	1368.3	1393.4	1419.3
12.5°	1177.8	1203.2	1241.4	1272.0	1308.2	1329.3	1353.3	1390.5	1412.0	1446.9	1483.5
15°	1161.7	1189.9	1243.1	1280.9	1321.9	1362.0	1406.1	1441.6	1477.1	1497.6	1549.1
17.5°	1137.7	1179.2	1238.1	1282.2	1334.3	1397.4	1447.0	1487.2	1528.2	1561.5	1587.2
20°	1118.5	1163.5	1230.8	1283.7	1345.6	1413.4	1470.3	1511.3	1546.8	1574.6	1590.5
22.5°	1094.0	1150.8	1216.3	1278.2	1357.3	1424.3	1484.2	1516.4	1546.0	1559.6	1565.8
25°	1055.6	1123.9	1198.1	1273.6	1362.9	1433.9	1488.5	1508.1	1516.7	1503.5	1481.7
27.5°	1014.2	1090.3	1177.1	1265.1	1359.4	1427.7	1466.9	1463.7	1449.1	1406.4	1372.3
30°	983.2	1067.0	1160.3	1256.3	1351.0	1417.5	1440.3	1417.5	1384.3	1336.5	1287.8
32.5°	950.8	1037.5	1142.5	1243.9	1335.8	1394.2	1399.1	1359.9	1308.5	1254.2	1193.5
35°	901.8	995.5	1108.8	1216.3	1303.2	1340.2	1318.3	1249.1	1188.1	1113.9	1031.0
37.5°	846.3	949.9	1063.5	1175.8	1254.5	1264.2	1210.0	1137.1	1051.1	963.9	866.4
40°	804.8	914.5	1031.5	1144.9	1214.5	1204.4	1135.2	1055.2	952.7	846.2	755.6
42.5°	767.7	877.4	996.5	1107.7	1163.5	1136.0	1055.2	956.8	846.8	746.5	663.5
45°	703.3	816.2	938.2	1045.6	1077.5	1027.9	920.9	811.6	703.3	619.6	554.0
47.5°	640.9	752.4	873.3	967.7	978.9	912.2	795.3	682.9	589.8	521.6	475.3
50°	594.9	706.9	826.6	910.9	907.2	826.6	706.5	599.5	521.7	466.5	435.6
52.5°	553.8	659.6	774.5	851.1	831.9	744.0	629.3	534.3	470.3	427.2	399.2
55°	489.8	587.6	696.9	758.4	722.8	625.4	528.5	452.0	404.7	372.4	350.5
57.5°	426.2	518.0	611.5	649.4	610.2	520.2	439.3	383.9	348.3	324.4	310.1
60°	386.9	467.1	550.4	583.1	536.2	456.1	392.4	342.8	314.1	294.5	281.8
62.5°	347.6	419.4	497.9	515.8	472.9	405.1	348.7	307.5	283.8	266.4	254.5
65°	294.1	352.8	412.4	424.3	384.7	332.3	287.7	260.8	239.9	227.1	217.6
67.5°	241.2	288.3	330.6	340.1	305.4	269.1	236.9	213.5	199.3	188.7	180.7
70°	209.8	247.2	281.8	289.5	261.7	229.4	204.8	186.2	173.4	164.3	156.6
72.5°	176.7	207.9	236.6	241.8	219.1	194.5	174.2	159.6	148.3	142.5	135.1
75°	135.2	153.4	175.7	177.1	162.0	147.0	131.5	122.0	116.1	108.8	105.1
77.5°	95.4	109.7	122.4	124.9	116.0	105.8	97.1	89.6	84.5	81.2	77.8
80°	72.9	84.2	89.7	92.8	86.5	79.2	74.2	69.2	66.0	63.8	61.4
82.5°	52.1	59.1	64.2	66.6	63.2	58.9	53.8	51.0	48.5	46.6	45.8
85°	26.4	29.6	32.8	33.7	32.8	30.9	28.2	28.2	26.8	26.4	26.4
87.5°	9.5	11.3	11.6	13.0	12.6	12.8	13.0	12.9	12.8	12.5	12.3
90°	2.2	3.7	5.4	6.9	8.2	9.4	10.5	11.6	12.8	13.5	14.2
92.5°	12.8	12.6	12.5	12.3	12.6	13.1	13.6	14.3	14.8	15.2	15.5
95°	36.8	32.1	27.5	22.7	20.9	21.9	22.9	23.9	24.9	25.6	26.3
97.5°	69.1	55.9	42.7	29.5	24.1	26.4	28.7	31.0	33.3	33.9	34.4
100°	93.5	74.1	54.7	35.2	26.8	29.2	31.6	34.0	36.4	37.5	38.6
102.5°	142.5	138.4	134.3	130.1	118.0	97.8	77.7	57.5	37.4	38.9	40.3
105°	198.1	202.4	206.7	210.9	193.7	155.0	116.3	77.6	38.9	40.5	42.0
107.5°	251.3	254.8	258.2	261.6	240.1	193.7	147.3	100.9	54.5	52.9	51.3
110°	285.5	288.6	291.5	294.4	275.4	234.5	193.6	152.6	111.6	97.5	83.3



TEST NUMBER: P331348-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	317.9	320.5	323.2	325.7	322.0	311.9	301.8	291.7	281.5	229.9	178.2
115°	369.2	371.6	374.0	376.4	379.4	382.9	386.5	390.0	393.6	328.0	262.3
117.5°	415.5	418.2	420.9	423.6	426.1	428.6	431.1	433.5	436.0	420.1	404.2
120°	448.6	450.8	452.9	455.0	457.4	459.9	462.4	465.0	467.5	469.2	471.0
122.5°	477.3	479.6	481.8	484.0	486.5	489.4	492.1	494.9	497.7	498.6	499.7
125°	520.4	522.3	524.1	525.9	528.2	530.9	533.6	536.3	539.0	540.0	541.0
127.5°	560.1	562.1	564.1	566.1	568.2	570.2	572.2	574.3	576.2	577.7	579.2
130°	585.3	587.5	589.8	592.1	594.0	595.6	597.1	598.7	600.2	601.8	603.3
132.5°	610.5	612.4	614.3	616.3	618.0	619.6	621.1	622.7	624.2	625.5	626.9
135°	644.0	646.2	648.5	650.8	652.6	653.8	655.1	656.4	657.6	659.1	660.5
137.5°	676.8	678.4	680.0	681.6	683.1	684.6	686.0	687.4	688.9	690.3	691.7
140°	698.3	699.5	700.6	701.7	703.1	704.6	706.2	707.8	709.4	710.6	711.9
142.5°	716.6	717.6	718.6	719.6	721.0	722.8	724.6	726.4	728.2	729.3	730.5
145°	744.2	744.1	744.0	743.9	744.9	747.3	749.8	752.2	754.6	755.6	756.6
147.5°	769.0	768.5	767.9	767.4	768.3	770.7	773.0	775.4	777.8	778.6	779.3
150°	784.9	783.9	782.9	781.9	782.6	784.8	787.0	789.3	791.6	792.5	793.3
152.5°	798.5	797.5	796.3	795.2	795.8	797.9	800.0	802.2	804.3	805.2	806.0
155°	818.4	817.1	815.8	814.6	814.8	816.5	818.1	819.8	821.5	822.4	823.3
157.5°	834.3	833.2	832.1	831.1	831.1	832.3	833.5	834.6	835.9	836.9	837.8
160°	843.6	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5	845.4	846.2
162.5°	851.9	851.0	850.2	849.3	849.3	850.0	850.7	851.5	852.2	853.2	854.1
165°	862.8	862.0	861.1	860.2	860.1	860.5	860.9	861.3	861.7	862.7	863.7
167.5°	871.0	870.1	869.3	868.4	868.2	868.6	869.0	869.4	869.8	870.8	871.8
170°	875.6	874.8	873.9	873.1	872.7	873.1	873.3	873.6	873.9	874.9	875.8
172.5°	878.6	877.8	876.9	876.1	875.8	876.1	876.4	876.6	876.9	878.0	879.0
175°	882.4	881.5	880.5	879.5	879.1	879.4	879.7	879.9	880.3	881.3	882.3
177.5°	883.3	882.5	881.7	880.9	880.6	880.7	880.8	880.9	881.0	881.8	882.6
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1228.5	1233.6	1233.6	1234.3	1240.2	1239.4	1239.0
5°	1307.3	1315.1	1316.0	1324.2	1329.6	1327.8	1322.9
7.5°	1381.7	1396.2	1407.0	1413.1	1420.3	1424.8	1422.8
10°	1440.7	1461.7	1474.4	1483.1	1493.5	1501.3	1498.5
12.5°	1494.2	1519.2	1536.7	1551.5	1552.9	1562.8	1556.0
15°	1577.7	1604.1	1606.9	1617.8	1626.5	1625.5	1625.9
17.5°	1605.3	1613.8	1615.5	1615.8	1615.9	1612.7	1605.8
20°	1595.4	1592.3	1584.6	1578.7	1568.2	1566.8	1557.7
22.5°	1548.9	1538.7	1519.4	1506.5	1490.2	1485.9	1483.5
25°	1457.1	1434.8	1403.8	1374.2	1366.1	1350.1	1354.7
27.5°	1331.2	1296.5	1262.9	1238.9	1217.1	1193.3	1200.1
30°	1242.7	1203.5	1156.2	1119.8	1096.6	1073.8	1069.7
32.5°	1137.1	1079.8	1026.9	994.9	959.3	944.9	929.2
35°	955.0	899.0	846.7	801.6	775.7	755.6	737.4
37.5°	791.2	726.7	684.6	648.0	629.3	617.8	620.7
40°	689.6	633.2	602.3	574.4	557.1	548.9	550.8
42.5°	607.3	565.1	539.6	520.6	508.4	503.8	502.7
45°	513.9	490.3	469.3	458.4	452.5	447.5	444.3
47.5°	450.2	430.9	419.1	412.6	407.4	402.3	402.3
50°	412.0	399.2	391.0	384.1	380.1	376.5	379.6
52.5°	382.8	371.1	363.0	356.9	355.3	352.0	352.0
55°	339.6	330.5	324.6	319.1	316.4	314.5	312.3
57.5°	300.2	291.6	286.1	282.7	277.5	275.6	274.9
60°	272.2	265.4	259.9	255.4	253.1	249.4	249.4
62.5°	246.4	239.5	234.4	231.0	227.2	225.8	226.1
65°	208.9	203.5	198.5	194.8	193.9	191.2	192.1
67.5°	174.5	170.9	165.6	163.6	161.8	160.4	159.3
70°	151.6	147.9	145.2	142.5	141.1	141.1	141.1
72.5°	132.2	127.9	126.3	122.8	123.6	122.2	120.7
75°	102.5	99.7	98.4	96.9	94.7	94.7	94.7
77.5°	75.3	74.5	72.9	71.4	70.9	70.4	70.6
80°	58.2	57.8	56.9	56.9	56.0	55.6	54.7
82.5°	44.8	43.6	43.1	42.7	42.5	42.4	42.3
85°	25.5	24.6	24.6	25.1	24.2	24.2	24.6
87.5°	12.8	12.9	12.7	12.8	13.2	12.8	12.9
90°	14.9	15.6	16.1	16.4	16.7	16.9	17.2
92.5°	15.9	16.2	16.6	16.7	16.9	17.0	17.2
95°	27.0	27.7	28.0	27.8	27.7	27.6	27.5
97.5°	35.0	35.6	35.9	36.1	36.3	36.5	36.6
100°	39.8	40.9	41.6	41.9	42.2	42.4	42.7
102.5°	41.8	43.2	44.2	44.6	45.0	45.4	45.8
105°	43.6	45.1	46.2	46.8	47.3	47.9	48.5
107.5°	49.7	48.2	47.6	48.2	48.8	49.3	49.8
110°	69.1	54.9	48.2	48.7	49.2	49.8	50.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	126.4	74.7	49.0	49.6	50.0	50.5	50.9
115°	196.7	131.1	93.1	82.9	72.7	62.5	52.3
117.5°	388.3	372.4	347.7	314.1	280.6	247.1	213.6
120°	472.7	474.4	465.7	446.5	427.4	408.2	389.1
122.5°	500.7	501.8	500.4	496.7	492.9	489.3	485.5
125°	542.0	543.0	543.7	544.1	544.6	544.9	545.4
127.5°	580.6	582.0	582.8	582.9	583.0	583.1	583.2
130°	604.9	606.5	607.2	607.1	606.9	606.7	606.6
132.5°	628.2	629.5	630.2	630.0	629.9	629.7	629.5
135°	661.9	663.3	663.9	663.6	663.3	663.0	662.7
137.5°	693.0	694.5	694.9	694.5	693.9	693.5	692.9
140°	713.1	714.4	714.7	714.0	713.3	712.6	711.9
142.5°	731.6	732.8	733.1	732.4	731.6	730.9	730.2
145°	757.6	758.6	758.7	758.0	757.3	756.6	755.9
147.5°	780.1	780.8	780.9	780.2	779.6	779.1	778.5
150°	794.2	795.0	795.0	794.3	793.6	792.9	792.2
152.5°	806.9	807.8	807.7	806.8	805.8	804.9	804.0
155°	824.1	825.0	824.8	823.7	822.6	821.4	820.3
157.5°	838.7	839.7	839.6	838.6	837.4	836.3	835.3
160°	847.1	847.9	847.8	846.9	845.9	844.9	843.9
162.5°	855.1	856.0	856.0	854.7	853.5	852.3	851.0
165°	864.8	865.8	865.8	864.8	863.7	862.7	861.7
167.5°	872.8	873.8	873.6	872.4	871.1	869.8	868.5
170°	876.8	877.9	877.7	876.5	875.1	873.9	872.6
172.5°	879.9	880.9	880.7	879.5	878.2	876.9	875.7
175°	883.2	884.2	884.0	882.6	881.2	879.8	878.3
177.5°	883.4	884.2	884.1	883.1	882.1	881.0	880.0
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5

(END OF REPORT)