

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: P331687-940

Luminaire Tested: **SA2XXRDIP-C675D725U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331687-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

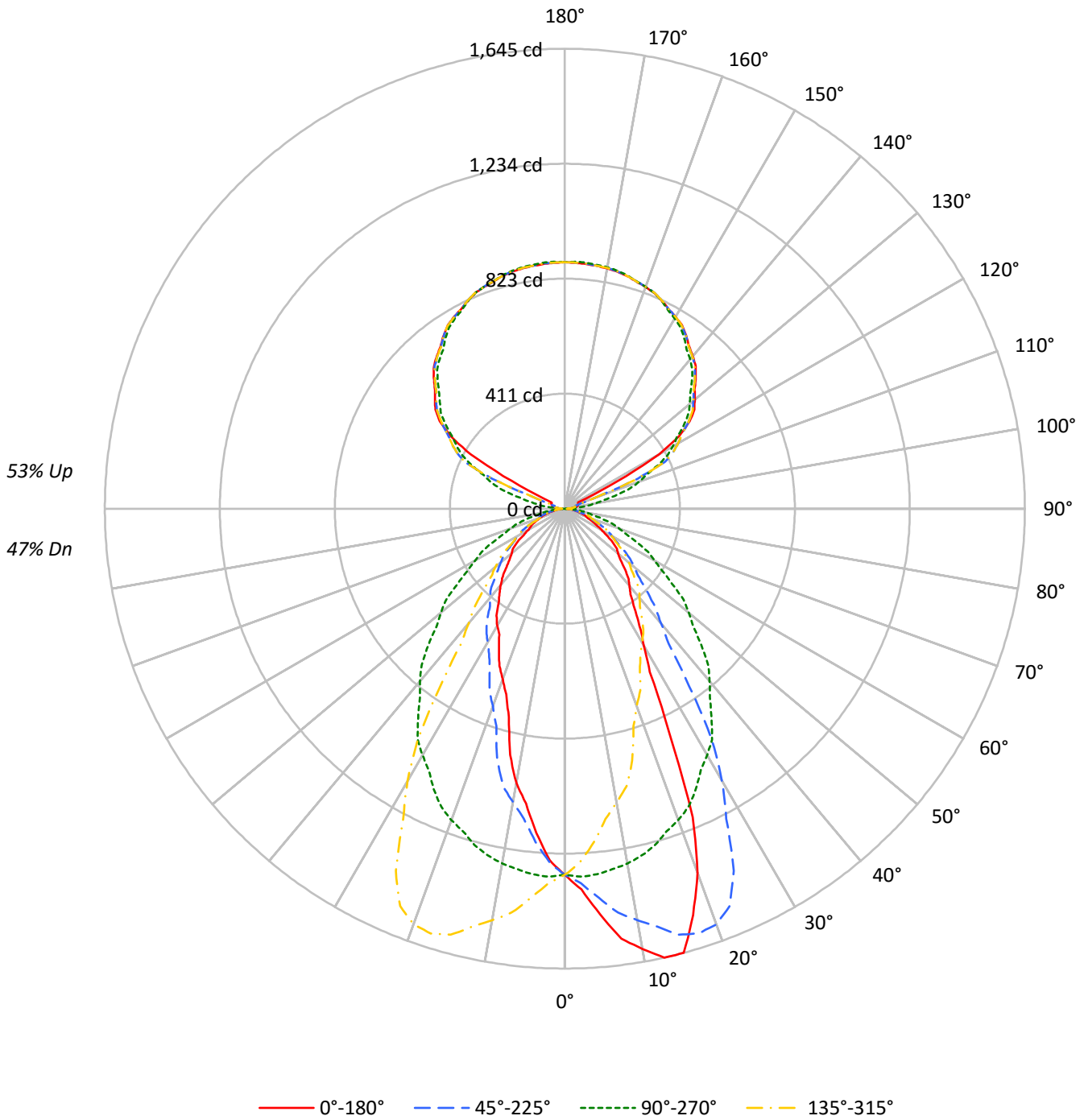
Lumens per Lamp: N/A
Luminaire Lumens: 4849.5 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	90	83	77	72	82	76	71	67	64	61	58	53	51	49	43	42	40	35
3	82	73	67	61	75	68	62	57	58	53	50	48	45	42	39	37	35	31
4	76	66	58	52	69	61	54	49	52	47	43	43	40	37	35	33	31	27
5	70	59	51	45	64	55	48	43	47	42	38	39	35	33	32	30	28	24
6	65	53	45	40	59	49	43	38	42	37	33	36	32	29	30	27	25	22
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	25	22	20
8	56	44	37	32	51	41	35	30	36	30	27	30	26	23	25	22	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19	16
10	49	37	30	26	45	35	29	24	30	25	22	26	22	20	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21151	21151	21151	21151
5°	23622	21284	18870	21284
10°	26209	21135	16357	21135
15°	27497	20824	12889	20824
20°	23838	20366	11153	20366
25°	15634	19737	9957	19737
30°	10524	18975	9012	18975
35°	8523	18015	8129	18015
40°	7579	16971	7522	16971
45°	6859	15746	6715	15746
50°	6242	14531	6219	14531
55°	5869	13185	5790	13185
60°	4908	11951	4850	11951
65°	4138	10850	4695	10850
70°	3829	9692	4428	9692
75°	3575	8434	4086	8434
80°	3301	6936	3636	6936
85°	3038	5483	3205	5483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	2.6
10°-20°	346.0	7.1
20°-30°	445.9	9.2
30°-40°	423.7	8.7
40°-50°	363.0	7.5
50°-60°	276.4	5.7
60°-70°	174.7	3.6
70°-80°	87.3	1.8
80°-90°	24.9	0.5
90°-100°	29.4	0.6
100°-110°	107.8	2.2
110°-120°	288.3	5.9
120°-130°	475.8	9.8
130°-140°	506.0	10.4
140°-150°	470.3	9.7
150°-160°	378.1	7.8
160°-170°	243.7	5.0
170°-180°	83.9	1.7
0°-30°	916.1	18.9
0°-40°	1339.8	27.6
0°-60°	1979.2	40.8
0°-90°	2266.1	46.7
90°-120°	425.5	8.8
90°-150°	1877.7	38.7
90°-180°	2583.0	53.3
0°-180°	4849.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1310	1310	1310	1310	1310	
5°	1458	1313	1164	1313	1458	144
15°	1645	1246	771	1246	1645	444
25°	878	1108	559	1108	878	416
35°	432	914	412	914	432	277
45°	300	690	294	690	300	232
55°	208	468	206	468	208	183
65°	108	284	123	284	108	110
75°	57	135	66	135	57	61
85°	16	30	17	30	16	18
90°	17	1	17	1	17	8
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°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1363.2	1364.2	1365.4	1362.8	1362.8	1360.6	1355.8	1352.3	1342.0	1340.6	1340.6
5°	1457.5	1456.5	1458.4	1452.5	1444.3	1442.4	1433.8	1422.5	1410.6	1397.4	1394.6
7.5°	1551.2	1549.9	1546.2	1545.2	1538.9	1525.2	1511.3	1496.5	1476.8	1457.6	1448.0
10°	1598.6	1613.6	1604.5	1588.6	1591.8	1570.4	1559.0	1539.4	1523.0	1494.3	1488.0
12.5°	1645.2	1651.1	1648.2	1639.1	1635.0	1620.2	1604.9	1587.9	1557.6	1531.9	1509.5
15°	1645.0	1653.7	1655.9	1653.2	1655.5	1654.6	1646.4	1632.3	1605.9	1577.6	1553.1
17.5°	1523.6	1529.6	1544.5	1554.6	1567.4	1594.3	1607.6	1612.7	1608.8	1592.8	1575.5
20°	1387.4	1377.3	1419.2	1440.6	1458.8	1504.3	1543.5	1558.5	1582.6	1582.2	1577.6
22.5°	1194.4	1196.8	1236.4	1261.9	1315.0	1360.5	1405.2	1461.7	1508.3	1539.2	1557.3
25°	877.6	894.9	934.5	969.1	1028.2	1112.9	1189.8	1279.1	1363.2	1429.7	1493.0
27.5°	659.1	660.4	691.8	723.7	758.8	828.2	925.1	1031.6	1151.6	1250.7	1364.7
30°	564.5	561.7	574.9	594.5	624.5	678.2	751.0	855.8	975.4	1124.7	1257.7
32.5°	497.4	497.6	507.6	522.0	547.0	583.2	633.0	718.1	831.3	978.0	1133.8
35°	432.4	431.9	439.3	449.7	460.2	483.4	517.5	562.1	640.0	776.9	936.3
37.5°	385.8	387.8	391.4	397.9	409.5	422.4	442.9	472.9	528.2	609.3	743.2
40°	359.6	360.5	365.5	371.0	377.8	387.8	404.7	428.7	469.3	534.0	631.8
42.5°	335.6	336.4	340.0	345.1	350.4	360.5	374.4	395.3	428.1	478.6	559.3
45°	300.4	300.4	303.6	305.9	311.8	320.9	332.3	349.6	372.4	409.7	463.3
47.5°	267.4	267.5	269.7	273.6	277.3	284.4	295.6	309.7	326.3	355.2	401.0
50°	248.5	249.0	250.3	253.5	255.8	262.2	270.8	283.1	300.4	322.7	361.0
52.5°	233.3	232.9	234.7	236.0	237.6	242.2	248.6	259.5	274.9	294.4	326.0
55°	208.5	206.6	209.4	211.7	213.0	214.8	218.5	225.3	238.5	254.9	278.6
57.5°	177.5	176.8	178.7	180.8	185.1	190.0	193.1	197.4	204.3	216.1	239.5
60°	152.0	152.0	156.1	157.5	162.5	168.9	175.2	178.9	185.7	193.4	210.7
62.5°	129.5	129.8	131.7	133.1	135.9	143.7	152.7	160.7	167.1	174.5	186.0
65°	108.3	109.2	109.2	110.1	112.0	113.8	117.4	123.8	135.2	145.6	154.3
67.5°	91.9	92.2	92.5	93.4	93.9	95.9	97.3	100.1	102.8	112.7	123.4
70°	81.1	82.4	81.9	82.8	83.3	84.2	86.1	87.4	91.5	93.8	100.1
72.5°	70.8	71.8	71.7	72.3	73.5	73.7	75.1	76.5	79.1	81.1	84.4
75°	57.3	56.9	57.3	58.2	58.7	59.2	59.2	61.0	62.3	64.2	66.4
77.5°	44.2	44.7	44.6	44.7	44.8	45.6	45.5	46.4	47.7	48.6	49.7
80°	35.5	35.9	35.5	35.9	36.4	36.8	36.4	36.8	38.3	39.1	39.1
82.5°	27.5	27.6	27.8	27.9	28.0	28.1	28.8	28.9	29.9	29.7	30.1
85°	16.4	16.0	16.0	16.0	16.4	16.9	16.4	16.4	16.9	16.9	16.9
87.5°	9.3	9.5	9.5	9.5	9.5	9.3	9.2	9.4	8.9	9.1	8.5
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°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1341.3	1338.4	1335.9	1329.3	1326.1	1318.8	1317.7	1317.3	1307.8	1298.7	1296.2
5°	1387.4	1380.1	1369.1	1356.4	1343.2	1329.5	1320.4	1313.2	1294.9	1277.6	1267.7
7.5°	1433.8	1418.2	1399.3	1375.2	1355.0	1332.5	1315.7	1300.7	1274.9	1250.1	1233.4
10°	1468.4	1442.9	1417.9	1384.6	1358.7	1333.2	1309.6	1289.1	1259.9	1227.2	1203.9
12.5°	1489.9	1461.9	1427.4	1394.8	1361.3	1328.8	1297.2	1270.9	1236.6	1202.7	1175.2
15°	1518.9	1488.9	1447.0	1400.6	1357.4	1315.0	1278.6	1245.8	1201.2	1160.7	1127.0
17.5°	1542.7	1501.4	1456.3	1402.7	1352.6	1298.8	1251.9	1210.1	1160.4	1111.5	1071.8
20°	1550.3	1509.4	1457.5	1403.7	1344.6	1281.3	1230.8	1185.3	1132.0	1078.8	1033.2
22.5°	1545.6	1513.8	1456.0	1391.8	1331.1	1264.9	1207.8	1155.0	1096.0	1041.6	988.8
25°	1513.5	1502.5	1448.0	1377.8	1308.7	1231.7	1165.7	1107.9	1040.5	982.3	924.9
27.5°	1438.5	1462.1	1428.3	1353.6	1276.7	1194.2	1120.0	1054.2	984.3	918.7	861.6
30°	1366.5	1420.6	1406.0	1336.9	1250.8	1169.8	1086.5	1017.8	943.2	875.7	819.3
32.5°	1267.7	1357.3	1371.5	1313.6	1224.6	1135.6	1048.3	979.9	902.0	831.0	776.0
35°	1110.6	1244.5	1305.9	1269.0	1179.8	1083.8	993.6	914.0	835.7	765.6	711.0
37.5°	923.2	1105.5	1207.8	1210.5	1128.5	1028.7	930.6	851.5	771.3	702.5	643.5
40°	801.6	999.1	1132.5	1162.1	1092.9	985.0	885.7	805.2	726.9	659.5	591.7
42.5°	692.3	889.1	1053.1	1104.6	1049.5	942.4	842.8	758.6	682.5	618.8	549.5
45°	559.9	731.9	912.7	1004.6	974.1	874.9	769.7	689.6	618.1	563.0	496.6
47.5°	472.3	593.5	768.4	892.8	892.2	801.6	698.2	621.5	555.3	503.6	449.8
50°	422.4	528.0	675.9	817.1	828.8	752.9	654.5	578.5	516.7	462.4	419.2
52.5°	377.6	464.7	597.6	732.9	766.6	700.8	605.4	535.2	475.1	425.3	388.3
55°	319.1	386.5	487.5	614.0	665.0	618.6	534.0	468.4	419.6	377.8	345.9
57.5°	269.9	320.5	401.5	503.5	562.8	533.6	463.7	410.5	368.8	330.9	305.8
60°	239.0	280.4	349.1	434.3	499.8	479.3	419.6	370.1	334.6	301.8	278.1
62.5°	209.8	245.4	304.3	373.4	433.5	425.1	376.3	334.7	303.6	273.8	253.7
65°	168.9	194.8	240.8	295.0	343.2	347.3	312.3	284.0	256.3	232.6	214.8
67.5°	134.5	151.4	183.8	229.4	265.6	278.5	257.1	235.5	213.5	195.2	179.8
70°	113.3	127.0	150.7	187.5	220.8	234.4	222.1	205.3	186.2	171.1	157.9
72.5°	91.8	105.1	122.6	149.6	178.2	192.9	188.6	176.6	161.0	148.6	136.1
75°	69.2	73.3	85.2	103.3	125.6	138.4	141.6	135.2	122.9	113.3	106.0
77.5°	51.2	53.6	59.3	68.8	83.4	94.8	99.4	98.7	90.2	84.6	77.8
80°	40.9	42.4	45.0	49.1	60.1	71.4	74.6	74.6	68.8	66.4	59.7
82.5°	31.1	32.1	33.8	36.0	41.1	51.1	54.7	55.4	51.6	48.6	43.2
85°	17.7	17.3	18.2	19.5	20.5	23.2	28.7	29.6	28.7	25.1	23.6
87.5°	8.3	8.4	8.2	7.6	7.6	7.7	9.2	10.7	9.5	8.7	8.4
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: P331687-940

CATALOG NUMBER: SA2XXRDIP-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: P331687-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1291.5	1288.9	1284.2	1276.8	1272.5	1264.8	1259.7	1262.7	1263.4	1262.7	1261.9
5°	1256.8	1247.1	1233.9	1221.2	1209.4	1196.7	1189.4	1186.2	1179.8	1176.2	1174.4
7.5°	1214.8	1198.3	1179.6	1157.4	1138.5	1118.8	1108.8	1103.7	1090.7	1083.6	1077.4
10°	1183.5	1157.5	1138.9	1109.7	1092.0	1066.0	1048.3	1048.7	1031.0	1020.9	1013.7
12.5°	1148.9	1120.3	1089.3	1063.1	1038.4	1017.6	996.2	987.6	968.7	959.0	939.4
15°	1091.5	1058.3	1025.6	990.0	965.0	932.6	901.7	863.9	833.4	807.0	799.8
17.5°	1028.9	987.7	954.8	913.2	870.3	815.9	780.1	758.1	739.8	725.9	715.4
20°	985.9	944.1	909.0	846.1	788.4	751.5	725.1	708.3	689.1	674.1	665.9
22.5°	940.8	897.1	849.3	779.2	734.1	704.5	681.0	661.6	648.7	636.9	629.5
25°	876.6	828.8	750.1	701.9	665.5	634.5	618.1	606.3	592.6	576.7	569.4
27.5°	809.0	732.9	676.4	640.5	605.7	585.6	570.9	553.2	541.0	533.9	526.3
30°	758.3	682.3	638.2	599.1	574.4	552.1	534.8	524.9	513.0	500.7	495.7
32.5°	701.9	641.1	598.9	566.2	541.3	522.3	508.6	492.4	483.8	476.3	465.8
35°	631.8	585.9	547.2	520.8	497.0	481.6	465.7	456.1	440.6	434.3	430.2
37.5°	572.4	532.5	503.7	475.8	457.1	440.0	430.3	415.0	408.3	399.5	390.8
40°	539.0	499.8	472.0	449.2	428.3	415.5	403.3	391.0	380.9	376.9	366.4
42.5°	504.7	472.9	445.1	420.1	406.1	392.6	377.1	368.1	357.7	351.1	344.6
45°	457.4	429.3	405.6	385.0	369.6	355.5	345.4	330.5	324.6	311.3	305.9
47.5°	416.0	389.7	367.1	347.7	332.5	323.3	308.7	296.9	287.5	279.4	272.4
50°	386.5	364.6	342.8	325.5	311.8	298.6	283.6	277.7	263.1	259.0	254.9
52.5°	359.5	338.8	318.7	301.8	288.1	275.3	262.1	254.3	244.5	240.4	237.5
55°	321.8	301.8	282.7	267.6	254.0	240.8	232.6	223.0	218.5	215.3	211.7
57.5°	283.9	265.9	251.3	236.0	222.3	211.9	202.3	196.6	191.9	187.7	183.3
60°	259.9	242.6	229.4	215.3	201.2	192.5	185.3	178.4	173.0	166.6	164.8
62.5°	234.4	219.3	207.2	193.4	181.2	173.3	166.3	159.9	153.3	144.0	141.4
65°	199.4	187.5	174.8	163.5	152.5	144.7	134.7	127.4	124.8	123.8	123.3
67.5°	167.7	156.5	145.5	133.9	123.9	116.8	111.7	110.6	108.7	108.2	106.9
70°	146.6	136.1	125.2	114.2	104.7	103.3	101.5	99.7	97.4	96.5	95.6
72.5°	127.6	116.8	105.8	97.1	93.0	91.3	89.5	87.7	86.1	85.2	84.6
75°	97.8	87.8	80.6	77.4	75.1	73.7	71.0	69.6	68.8	67.3	66.9
77.5°	70.4	64.8	61.4	59.5	57.1	55.6	54.0	52.7	51.7	51.5	50.7
80°	53.7	51.0	48.7	46.0	45.0	43.2	42.8	41.5	41.9	40.5	40.5
82.5°	41.7	38.3	36.3	35.0	34.2	32.7	32.2	31.6	31.7	30.7	30.7
85°	21.4	20.5	19.5	18.6	18.6	17.3	17.7	17.3	17.3	16.4	16.0
87.5°	8.3	8.2	7.7	7.9	8.1	8.0	8.1	7.9	8.1	8.2	7.9
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: P331687-940

CATALOG NUMBER: SA2XXRDIP-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: P331687-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1257.9	1258.6	1257.6	1258.3	1257.6	1258.6	1257.9	1261.9	1262.7	1263.4	1262.7
5°	1172.1	1166.6	1165.7	1164.3	1165.7	1166.6	1172.1	1174.4	1176.2	1179.8	1186.2
7.5°	1069.6	1068.7	1066.5	1063.3	1066.5	1068.7	1069.6	1077.4	1083.6	1090.7	1103.7
10°	1003.6	1001.4	1000.9	997.7	1000.9	1001.4	1003.6	1013.7	1020.9	1031.0	1048.7
12.5°	926.5	911.8	910.3	902.3	910.3	911.8	926.5	939.4	959.0	968.7	987.6
15°	788.8	786.1	776.9	771.1	776.9	786.1	788.8	799.8	807.0	833.4	863.9
17.5°	710.2	701.2	698.4	697.1	698.4	701.2	710.2	715.4	725.9	739.8	758.1
20°	659.5	651.4	650.0	649.1	650.0	651.4	659.5	665.9	674.1	689.1	708.3
22.5°	624.6	616.0	612.5	609.8	612.5	616.0	624.6	629.5	636.9	648.7	661.6
25°	564.9	561.7	559.9	558.9	559.9	561.7	564.9	569.4	576.7	592.6	606.3
27.5°	518.2	511.1	509.8	507.5	509.8	511.1	518.2	526.3	533.9	541.0	553.2
30°	491.6	489.3	486.2	483.4	486.2	489.3	491.6	495.7	500.7	513.0	524.9
32.5°	460.3	458.3	455.6	454.2	455.6	458.3	460.3	465.8	476.3	483.8	492.4
35°	425.6	419.2	416.5	412.4	416.5	419.2	425.6	430.2	434.3	440.6	456.1
37.5°	388.9	385.6	381.7	383.1	381.7	385.6	388.9	390.8	399.5	408.3	415.0
40°	360.5	358.2	357.3	356.9	357.3	358.2	360.5	366.4	376.9	380.9	391.0
42.5°	338.0	331.6	329.3	329.2	329.3	331.6	338.0	344.6	351.1	357.7	368.1
45°	303.6	297.7	293.6	294.1	293.6	297.7	303.6	305.9	311.3	324.6	330.5
47.5°	268.5	268.3	265.7	266.5	265.7	268.3	268.5	272.4	279.4	287.5	296.9
50°	251.7	249.0	247.2	247.6	247.2	249.0	251.7	254.9	259.0	263.1	277.7
52.5°	235.7	233.4	231.8	233.8	231.8	233.4	235.7	237.5	240.4	244.5	254.3
55°	209.4	206.6	206.2	205.7	206.2	206.6	209.4	211.7	215.3	218.5	223.0
57.5°	179.9	178.2	175.4	174.2	175.4	178.2	179.9	183.3	187.7	191.9	196.6
60°	158.8	155.2	150.7	150.2	150.7	155.2	158.8	164.8	166.6	173.0	178.4
62.5°	139.6	138.8	137.9	137.9	137.9	138.8	139.6	141.4	144.0	153.3	159.9
65°	122.4	122.0	122.4	122.9	122.4	122.0	122.4	123.3	123.8	124.8	127.4
67.5°	106.7	105.8	105.0	105.4	105.0	105.8	106.7	106.9	108.2	108.7	110.6
70°	94.7	94.3	93.8	93.8	93.8	94.3	94.7	95.6	96.5	97.4	99.7
72.5°	83.0	82.9	82.5	82.1	82.5	82.9	83.0	84.6	85.2	86.1	87.7
75°	66.4	65.5	65.5	65.5	65.5	65.5	66.4	66.9	67.3	68.8	69.6
77.5°	50.6	50.2	49.7	49.3	49.7	50.2	50.6	50.7	51.5	51.7	52.7
80°	40.0	39.6	39.1	39.1	39.1	39.6	40.0	40.5	40.5	41.9	41.5
82.5°	30.6	30.1	30.1	29.7	30.1	30.1	30.6	30.7	30.7	31.7	31.6
85°	16.4	16.9	16.4	17.3	16.4	16.9	16.4	16.0	16.4	17.3	17.3
87.5°	8.0	7.7	8.1	7.8	8.1	7.7	8.0	7.9	8.2	8.1	7.9
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: P331687-940

CATALOG NUMBER: SA2XXRDIP-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: P331687-940
 CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1259.7	1264.8	1272.5	1276.8	1284.2	1288.9	1291.5	1296.2	1298.7	1307.8	1317.3
5°	1189.4	1196.7	1209.4	1221.2	1233.9	1247.1	1256.8	1267.7	1277.6	1294.9	1313.2
7.5°	1108.8	1118.8	1138.5	1157.4	1179.6	1198.3	1214.8	1233.4	1250.1	1274.9	1300.7
10°	1048.3	1066.0	1092.0	1109.7	1138.9	1157.5	1183.5	1203.9	1227.2	1259.9	1289.1
12.5°	996.2	1017.6	1038.4	1063.1	1089.3	1120.3	1148.9	1175.2	1202.7	1236.6	1270.9
15°	901.7	932.6	965.0	990.0	1025.6	1058.3	1091.5	1127.0	1160.7	1201.2	1245.8
17.5°	780.1	815.9	870.3	913.2	954.8	987.7	1028.9	1071.8	1111.5	1160.4	1210.1
20°	725.1	751.5	788.4	846.1	909.0	944.1	985.9	1033.2	1078.8	1132.0	1185.3
22.5°	681.0	704.5	734.1	779.2	849.3	897.1	940.8	988.8	1041.6	1096.0	1155.0
25°	618.1	634.5	665.5	701.9	750.1	828.8	876.6	924.9	982.3	1040.5	1107.9
27.5°	570.9	585.6	605.7	640.5	676.4	732.9	809.0	861.6	918.7	984.3	1054.2
30°	534.8	552.1	574.4	599.1	638.2	682.3	758.3	819.3	875.7	943.2	1017.8
32.5°	508.6	522.3	541.3	566.2	598.9	641.1	701.9	776.0	831.0	902.0	979.9
35°	465.7	481.6	497.0	520.8	547.2	585.9	631.8	711.0	765.6	835.7	914.0
37.5°	430.3	440.0	457.1	475.8	503.7	532.5	572.4	643.5	702.5	771.3	851.5
40°	403.3	415.5	428.3	449.2	472.0	499.8	539.0	591.7	659.5	726.9	805.2
42.5°	377.1	392.6	406.1	420.1	445.1	472.9	504.7	549.5	618.8	682.5	758.6
45°	345.4	355.5	369.6	385.0	405.6	429.3	457.4	496.6	563.0	618.1	689.6
47.5°	308.7	323.3	332.5	347.7	367.1	389.7	416.0	449.8	503.6	555.3	621.5
50°	283.6	298.6	311.8	325.5	342.8	364.6	386.5	419.2	462.4	516.7	578.5
52.5°	262.1	275.3	288.1	301.8	318.7	338.8	359.5	388.3	425.3	475.1	535.2
55°	232.6	240.8	254.0	267.6	282.7	301.8	321.8	345.9	377.8	419.6	468.4
57.5°	202.3	211.9	222.3	236.0	251.3	265.9	283.9	305.8	330.9	368.8	410.5
60°	185.3	192.5	201.2	215.3	229.4	242.6	259.9	278.1	301.8	334.6	370.1
62.5°	166.3	173.3	181.2	193.4	207.2	219.3	234.4	253.7	273.8	303.6	334.7
65°	134.7	144.7	152.5	163.5	174.8	187.5	199.4	214.8	232.6	256.3	284.0
67.5°	111.7	116.8	123.9	133.9	145.5	156.5	167.7	179.8	195.2	213.5	235.5
70°	101.5	103.3	104.7	114.2	125.2	136.1	146.6	157.9	171.1	186.2	205.3
72.5°	89.5	91.3	93.0	97.1	105.8	116.8	127.6	136.1	148.6	161.0	176.6
75°	71.0	73.7	75.1	77.4	80.6	87.8	97.8	106.0	113.3	122.9	135.2
77.5°	54.0	55.6	57.1	59.5	61.4	64.8	70.4	77.8	84.6	90.2	98.7
80°	42.8	43.2	45.0	46.0	48.7	51.0	53.7	59.7	66.4	68.8	74.6
82.5°	32.2	32.7	34.2	35.0	36.3	38.3	41.7	43.2	48.6	51.6	55.4
85°	17.7	17.3	18.6	18.6	19.5	20.5	21.4	23.6	25.1	28.7	29.6
87.5°	8.1	8.0	8.1	7.9	7.7	8.2	8.3	8.4	8.7	9.5	10.7
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: P331687-940

CATALOG NUMBER: SA2XXRDIP-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: P331687-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1317.7	1318.8	1326.1	1329.3	1335.9	1338.4	1341.3	1340.6	1340.6	1342.0	1352.3
5°	1320.4	1329.5	1343.2	1356.4	1369.1	1380.1	1387.4	1394.6	1397.4	1410.6	1422.5
7.5°	1315.7	1332.5	1355.0	1375.2	1399.3	1418.2	1433.8	1448.0	1457.6	1476.8	1496.5
10°	1309.6	1333.2	1358.7	1384.6	1417.9	1442.9	1468.4	1488.0	1494.3	1523.0	1539.4
12.5°	1297.2	1328.8	1361.3	1394.8	1427.4	1461.9	1489.9	1509.5	1531.9	1557.6	1587.9
15°	1278.6	1315.0	1357.4	1400.6	1447.0	1488.9	1518.9	1553.1	1577.6	1605.9	1632.3
17.5°	1251.9	1298.8	1352.6	1402.7	1456.3	1501.4	1542.7	1575.5	1592.8	1608.8	1612.7
20°	1230.8	1281.3	1344.6	1403.7	1457.5	1509.4	1550.3	1577.6	1582.2	1582.6	1558.5
22.5°	1207.8	1264.9	1331.1	1391.8	1456.0	1513.8	1545.6	1557.3	1539.2	1508.3	1461.7
25°	1165.7	1231.7	1308.7	1377.8	1448.0	1502.5	1513.5	1493.0	1429.7	1363.2	1279.1
27.5°	1120.0	1194.2	1276.7	1353.6	1428.3	1462.1	1438.5	1364.7	1250.7	1151.6	1031.6
30°	1086.5	1169.8	1250.8	1336.9	1406.0	1420.6	1366.5	1257.7	1124.7	975.4	855.8
32.5°	1048.3	1135.6	1224.6	1313.6	1371.5	1357.3	1267.7	1133.8	978.0	831.3	718.1
35°	993.6	1083.8	1179.8	1269.0	1305.9	1244.5	1110.6	936.3	776.9	640.0	562.1
37.5°	930.6	1028.7	1128.5	1210.5	1207.8	1105.5	923.2	743.2	609.3	528.2	472.9
40°	885.7	985.0	1092.9	1162.1	1132.5	999.1	801.6	631.8	534.0	469.3	428.7
42.5°	842.8	942.4	1049.5	1104.6	1053.1	889.1	692.3	559.3	478.6	428.1	395.3
45°	769.7	874.9	974.1	1004.6	912.7	731.9	559.9	463.3	409.7	372.4	349.6
47.5°	698.2	801.6	892.2	892.8	768.4	593.5	472.3	401.0	355.2	326.3	309.7
50°	654.5	752.9	828.8	817.1	675.9	528.0	422.4	361.0	322.7	300.4	283.1
52.5°	605.4	700.8	766.6	732.9	597.6	464.7	377.6	326.0	294.4	274.9	259.5
55°	534.0	618.6	665.0	614.0	487.5	386.5	319.1	278.6	254.9	238.5	225.3
57.5°	463.7	533.6	562.8	503.5	401.5	320.5	269.9	239.5	216.1	204.3	197.4
60°	419.6	479.3	499.8	434.3	349.1	280.4	239.0	210.7	193.4	185.7	178.9
62.5°	376.3	425.1	433.5	373.4	304.3	245.4	209.8	186.0	174.5	167.1	160.7
65°	312.3	347.3	343.2	295.0	240.8	194.8	168.9	154.3	145.6	135.2	123.8
67.5°	257.1	278.5	265.6	229.4	183.8	151.4	134.5	123.4	112.7	102.8	100.1
70°	222.1	234.4	220.8	187.5	150.7	127.0	113.3	100.1	93.8	91.5	87.4
72.5°	188.6	192.9	178.2	149.6	122.6	105.1	91.8	84.4	81.1	79.1	76.5
75°	141.6	138.4	125.6	103.3	85.2	73.3	69.2	66.4	64.2	62.3	61.0
77.5°	99.4	94.8	83.4	68.8	59.3	53.6	51.2	49.7	48.6	47.7	46.4
80°	74.6	71.4	60.1	49.1	45.0	42.4	40.9	39.1	39.1	38.3	36.8
82.5°	54.7	51.1	41.1	36.0	33.8	32.1	31.1	30.1	29.7	29.9	28.9
85°	28.7	23.2	20.5	19.5	18.2	17.3	17.7	16.9	16.9	16.9	16.4
87.5°	9.2	7.7	7.6	7.6	8.2	8.4	8.3	8.5	9.1	8.9	9.4
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



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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°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1355.8	1360.6	1362.8	1362.8	1365.4	1364.2	1363.2
5°	1433.8	1442.4	1444.3	1452.5	1458.4	1456.5	1457.5
7.5°	1511.3	1525.2	1538.9	1545.2	1546.2	1549.9	1551.2
10°	1559.0	1570.4	1591.8	1588.6	1604.5	1613.6	1598.6
12.5°	1604.9	1620.2	1635.0	1639.1	1648.2	1651.1	1645.2
15°	1646.4	1654.6	1655.5	1653.2	1655.9	1653.7	1645.0
17.5°	1607.6	1594.3	1567.4	1554.6	1544.5	1529.6	1523.6
20°	1543.5	1504.3	1458.8	1440.6	1419.2	1377.3	1387.4
22.5°	1405.2	1360.5	1315.0	1261.9	1236.4	1196.8	1194.4
25°	1189.8	1112.9	1028.2	969.1	934.5	894.9	877.6
27.5°	925.1	828.2	758.8	723.7	691.8	660.4	659.1
30°	751.0	678.2	624.5	594.5	574.9	561.7	564.5
32.5°	633.0	583.2	547.0	522.0	507.6	497.6	497.4
35°	517.5	483.4	460.2	449.7	439.3	431.9	432.4
37.5°	442.9	422.4	409.5	397.9	391.4	387.8	385.8
40°	404.7	387.8	377.8	371.0	365.5	360.5	359.6
42.5°	374.4	360.5	350.4	345.1	340.0	336.4	335.6
45°	332.3	320.9	311.8	305.9	303.6	300.4	300.4
47.5°	295.6	284.4	277.3	273.6	269.7	267.5	267.4
50°	270.8	262.2	255.8	253.5	250.3	249.0	248.5
52.5°	248.6	242.2	237.6	236.0	234.7	232.9	233.3
55°	218.5	214.8	213.0	211.7	209.4	206.6	208.5
57.5°	193.1	190.0	185.1	180.8	178.7	176.8	177.5
60°	175.2	168.9	162.5	157.5	156.1	152.0	152.0
62.5°	152.7	143.7	135.9	133.1	131.7	129.8	129.5
65°	117.4	113.8	112.0	110.1	109.2	109.2	108.3
67.5°	97.3	95.9	93.9	93.4	92.5	92.2	91.9
70°	86.1	84.2	83.3	82.8	81.9	82.4	81.1
72.5°	75.1	73.7	73.5	72.3	71.7	71.8	70.8
75°	59.2	59.2	58.7	58.2	57.3	56.9	57.3
77.5°	45.5	45.6	44.8	44.7	44.6	44.7	44.2
80°	36.4	36.8	36.4	35.9	35.5	35.9	35.5
82.5°	28.8	28.1	28.0	27.9	27.8	27.6	27.5
85°	16.4	16.9	16.4	16.0	16.0	16.0	16.4
87.5°	9.2	9.3	9.5	9.5	9.5	9.5	9.3
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)