

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: P331689-940

Luminaire Tested: **SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331689-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4789.5 lumens
Efficiency: N/A
Efficacy: 104.3 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

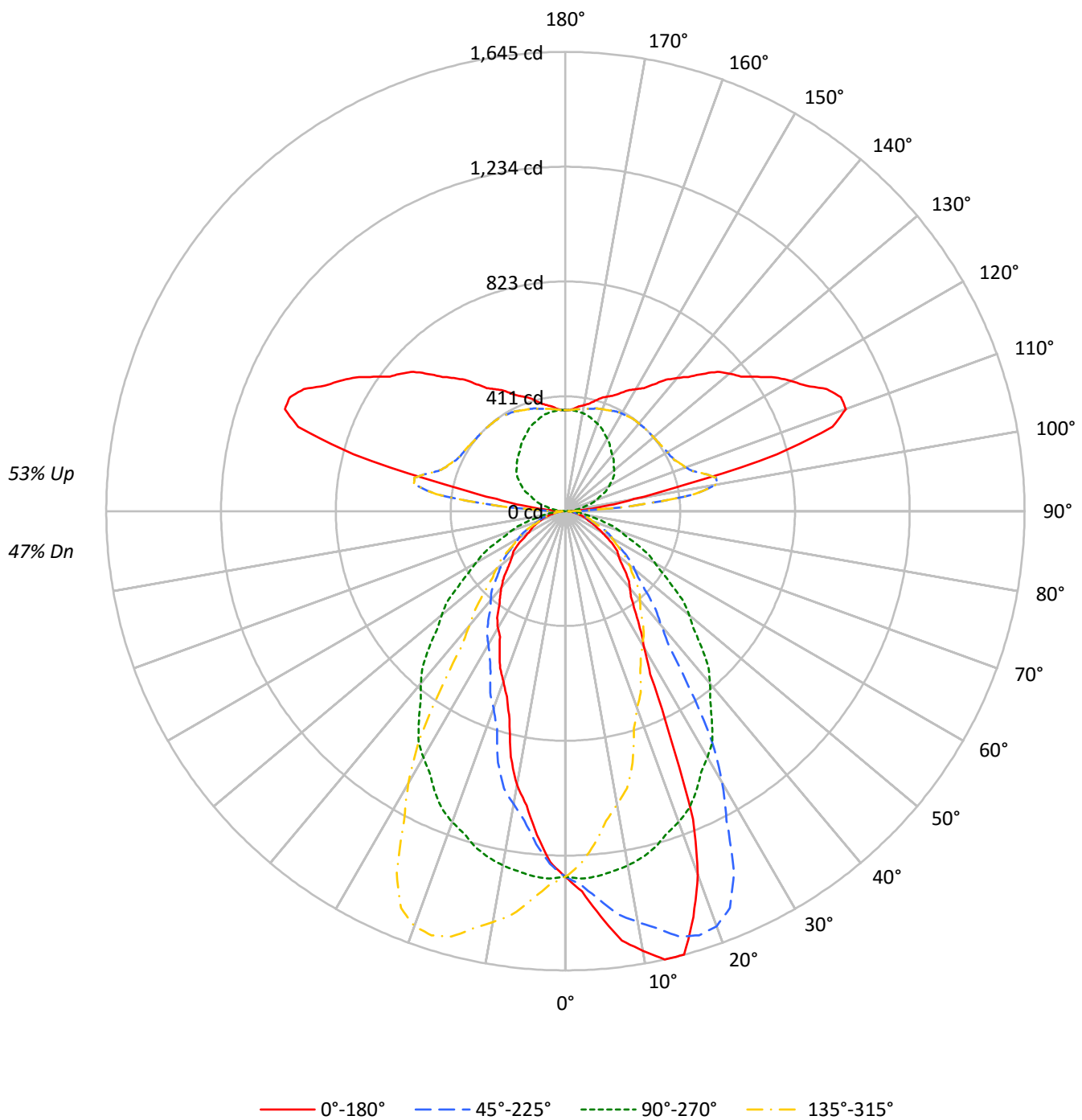
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	49	48	47
2	90	83	77	72	82	77	72	67	65	61	58	54	51	49	44	42	41
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35
4	76	66	58	53	70	61	54	49	52	47	43	44	40	37	36	33	31
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28
6	65	53	46	40	60	50	43	38	43	37	33	36	32	29	30	27	25
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	23
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21
9	52	41	33	29	48	38	31	27	33	28	24	28	24	22	24	21	19
10	49	37	30	26	45	35	29	25	31	26	22	26	22	20	22	19	17

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	7.2
20°-30°	445.9	9.3
30°-40°	423.7	8.8
40°-50°	363.0	7.6
50°-60°	276.4	5.8
60°-70°	174.7	3.6
70°-80°	87.3	1.8
80°-90°	26.0	0.5
90°-100°	144.9	3.0
100°-110°	491.8	10.3
110°-120°	522.5	10.9
120°-130°	430.1	9.0
130°-140°	345.4	7.2
140°-150°	261.0	5.4
150°-160°	183.4	3.8
160°-170°	108.0	2.3
170°-180°	35.1	0.7
0°-30°	916.1	19.1
0°-40°	1339.8	28.0
0°-60°	1979.2	41.3
0°-90°	2267.2	47.3
90°-120°	1159.2	24.2
90°-150°	2195.7	45.8
90°-180°	2522.0	52.7
0°-180°	4789.5	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°	23	1	23	1	23	13
95°	80	24	80	24	80	103
105°	786	85	786	85	786	760
115°	1034	150	1034	150	1034	1012
125°	839	209	839	209	839	758
135°	695	245	695	245	695	540
145°	555	280	555	280	555	352
155°	466	318	466	318	466	218
165°	409	347	409	347	409	117
175°	369	362	369	362	369	36
180°	362	362	362	362	362	

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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°	10.4	10.8	10.8	10.8	10.8	10.6	10.3	11.1	10.8	11.3	10.8
90°	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3	23.0	23.7	23.0
92.5°	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8	76.5	90.6	89.3
95°	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6	239.1	273.2	241.9
97.5°	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1	489.4	466.5	351.3
100°	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4	651.0	550.6	379.2
102.5°	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2	711.2	553.5	368.6
105°	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9	702.0	516.5	347.9
107.5°	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5	640.7	476.9	337.5
110°	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3	602.3	458.0	335.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1	575.5	445.7	335.8
115°	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3	542.3	432.2	338.8
117.5°	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1	521.4	425.6	343.8
120°	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1	510.2	421.7	347.1
122.5°	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1	500.8	419.5	351.1
125°	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2	487.2	415.4	356.9
127.5°	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6	474.7	413.0	362.9
130°	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6	466.4	412.0	367.4
132.5°	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2	459.7	411.4	371.8
135°	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6	450.3	410.5	377.1
137.5°	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7	443.7	410.5	381.8
140°	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2	439.9	409.8	384.1
142.5°	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4	436.0	409.8	385.8
145°	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4	430.8	408.5	387.5
147.5°	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9	425.5	406.0	388.2
150°	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7	421.0	404.3	387.5
152.5°	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6	417.1	401.5	386.5
155°	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1	409.8	396.6	384.8
157.5°	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2	403.1	391.6	381.6
160°	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1	398.1	388.3	379.9
162.5°	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9	393.5	385.5	378.3
165°	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7	386.2	379.9	375.1
167.5°	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0	378.9	375.1	371.8
170°	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5	375.1	372.2	370.1
172.5°	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4	371.1	368.9	367.9
175°	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0	366.0	365.2	364.5
177.5°	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2	363.0	362.5	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

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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°	10.0	9.4	8.6	7.8	7.9	8.0	9.3	10.7	9.6	9.1	8.6
90°	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7	2.8	5.6	7.0
92.5°	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5	12.3	17.3	20.3
95°	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4	27.2	34.2	40.4
97.5°	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8	43.5	50.9	60.4
100°	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7	55.7	62.1	73.2
102.5°	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5	68.0	74.3	85.4
105°	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1	87.8	92.7	103.2
107.5°	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1	107.4	112.1	121.7
110°	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5	121.3	125.5	134.6

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7	133.6	138.3	146.8
115°	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9	153.4	157.6	165.9
117.5°	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7	172.5	176.6	184.0
120°	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9	184.8	188.9	195.2
122.5°	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7	195.9	200.0	206.9
125°	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1	211.2	215.3	223.7
127.5°	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4	224.2	230.1	239.2
130°	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6	231.4	238.4	248.2
132.5°	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3	238.7	246.2	256.5
135°	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4	248.2	256.5	267.0
137.5°	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9	258.2	266.5	277.7
140°	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1	264.8	273.2	284.4
142.5°	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3	271.6	279.4	290.5
145°	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2	283.0	290.0	300.4
147.5°	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9	294.0	300.7	310.3
150°	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7	301.8	307.4	316.5
152.5°	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6	308.5	314.1	322.0
155°	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5	319.2	323.4	331.1
157.5°	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8	328.4	331.8	338.5
160°	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9	334.6	337.3	343.0
162.5°	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0	339.6	342.4	346.9
165°	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1	346.4	347.9	352.0
167.5°	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0	352.1	353.4	356.1
170°	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9	355.5	356.1	358.3
172.5°	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1	358.3	357.8	360.0
175°	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8	361.1	360.3	361.8
177.5°	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0	361.9	361.3	362.5
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

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°	8.6	8.6	8.6	9.6	10.4	10.2	10.1	9.5	9.3	9.5	9.4
90°	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3	21.0	22.3	23.0
92.5°	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8	52.2	46.3	42.0
95°	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6	140.1	110.8	95.5
97.5°	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1	348.7	273.2	222.9
100°	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4	550.0	454.5	370.1
102.5°	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2	754.7	684.7	595.4
105°	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9	925.7	934.8	911.8
107.5°	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5	913.1	985.6	1019.4
110°	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3	874.1	963.3	1020.5

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1	827.8	923.2	988.7
115°	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3	764.6	856.0	927.7
117.5°	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1	713.4	796.2	863.5
120°	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1	686.6	760.5	823.9
122.5°	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1	664.3	734.2	791.6
125°	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2	635.0	696.3	748.6
127.5°	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6	606.5	664.4	712.7
130°	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6	587.6	642.7	688.7
132.5°	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2	569.8	620.4	663.6
135°	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6	541.6	587.6	626.6
137.5°	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7	519.2	555.7	589.7
140°	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2	504.7	536.7	567.4
142.5°	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4	491.9	519.4	545.1
145°	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4	475.4	497.0	517.2
147.5°	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9	462.0	478.8	493.7
150°	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7	453.1	467.7	480.3
152.5°	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6	445.9	458.3	469.1
155°	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1	434.3	444.7	452.4
157.5°	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2	422.6	431.3	437.3
160°	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1	414.7	422.4	427.3
162.5°	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9	407.5	414.0	417.9
165°	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7	396.6	401.5	404.3
167.5°	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0	386.7	390.0	392.6
170°	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5	380.6	383.3	384.8
172.5°	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4	375.1	377.3	378.1
175°	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0	368.7	369.4	370.1
177.5°	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2	364.2	364.7	364.7
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

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°	9.4	9.0	9.4	9.0	9.4	9.0	9.4	9.4	9.5	9.3	9.5
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3
92.5°	41.4	39.1	39.8	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8
95°	86.4	80.9	78.7	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6
97.5°	189.6	172.5	162.3	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1
100°	312.3	282.3	262.1	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4
102.5°	532.5	481.3	456.1	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2
105°	868.5	825.3	795.3	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9
107.5°	1024.8	1022.4	1016.5	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5
110°	1050.4	1063.7	1070.0	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1030.4	1052.6	1064.4	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1
115°	977.2	1009.3	1027.4	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3
117.5°	914.0	947.9	967.0	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1
120°	872.7	905.4	925.7	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1
122.5°	835.4	867.5	885.6	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1
125°	789.1	815.6	832.9	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2
127.5°	748.0	772.8	787.8	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6
130°	722.8	746.5	760.5	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6
132.5°	697.2	720.9	733.7	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2
135°	656.7	679.7	692.1	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6
137.5°	617.1	636.9	647.8	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7
140°	589.7	607.8	618.3	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2
142.5°	566.3	582.7	592.1	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4
145°	534.0	545.8	552.8	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4
147.5°	507.5	516.9	521.7	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9
150°	490.7	499.1	503.3	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7
152.5°	477.3	484.6	487.7	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6
155°	460.0	464.9	467.7	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1
157.5°	442.7	446.8	448.1	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2
160°	432.2	435.7	436.3	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1
162.5°	422.7	425.1	425.8	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9
165°	407.1	409.8	409.8	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7
167.5°	393.9	395.4	395.2	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0
170°	385.5	387.5	386.8	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5
172.5°	378.8	379.8	379.1	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4
175°	370.1	370.9	370.1	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0
177.5°	364.7	364.7	364.2	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

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°	10.1	10.2	10.4	9.6	8.6	8.6	8.6	8.6	9.1	9.6	10.7
90°	23.0	23.7	23.0	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7
92.5°	76.5	90.6	89.3	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5
95°	239.1	273.2	241.9	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4
97.5°	489.4	466.5	351.3	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8
100°	651.0	550.6	379.2	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7
102.5°	711.2	553.5	368.6	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5
105°	702.0	516.5	347.9	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1
107.5°	640.7	476.9	337.5	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1
110°	602.3	458.0	335.3	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5



TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	575.5	445.7	335.8	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7
115°	542.3	432.2	338.8	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9
117.5°	521.4	425.6	343.8	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7
120°	510.2	421.7	347.1	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9
122.5°	500.8	419.5	351.1	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7
125°	487.2	415.4	356.9	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1
127.5°	474.7	413.0	362.9	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4
130°	466.4	412.0	367.4	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6
132.5°	459.7	411.4	371.8	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3
135°	450.3	410.5	377.1	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4
137.5°	443.7	410.5	381.8	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9
140°	439.9	409.8	384.1	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1
142.5°	436.0	409.8	385.8	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3
145°	430.8	408.5	387.5	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2
147.5°	425.5	406.0	388.2	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9
150°	421.0	404.3	387.5	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7
152.5°	417.1	401.5	386.5	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6
155°	409.8	396.6	384.8	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5
157.5°	403.1	391.6	381.6	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8
160°	398.1	388.3	379.9	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9
162.5°	393.5	385.5	378.3	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0
165°	386.2	379.9	375.1	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1
167.5°	378.9	375.1	371.8	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0
170°	375.1	372.2	370.1	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9
172.5°	371.1	368.9	367.9	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1
175°	366.0	365.2	364.5	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8
177.5°	363.0	362.5	363.0	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P331689-940

CATALOG NUMBER: SA2XXRDIP-C675D725U940-4F0-1E-UDD-A4

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°	9.3	8.0	7.9	7.8	8.6	9.4	10.0	10.8	11.3	10.8	11.1
90°	2.8	5.6	7.0	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3
92.5°	12.3	17.3	20.3	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8
95°	27.2	34.2	40.4	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6
97.5°	43.5	50.9	60.4	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1
100°	55.7	62.1	73.2	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4
102.5°	68.0	74.3	85.4	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2
105°	87.8	92.7	103.2	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9
107.5°	107.4	112.1	121.7	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5
110°	121.3	125.5	134.6	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	133.6	138.3	146.8	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1
115°	153.4	157.6	165.9	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3
117.5°	172.5	176.6	184.0	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1
120°	184.8	188.9	195.2	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1
122.5°	195.9	200.0	206.9	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1
125°	211.2	215.3	223.7	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2
127.5°	224.2	230.1	239.2	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6
130°	231.4	238.4	248.2	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6
132.5°	238.7	246.2	256.5	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2
135°	248.2	256.5	267.0	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6
137.5°	258.2	266.5	277.7	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7
140°	264.8	273.2	284.4	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2
142.5°	271.6	279.4	290.5	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4
145°	283.0	290.0	300.4	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4
147.5°	294.0	300.7	310.3	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9
150°	301.8	307.4	316.5	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7
152.5°	308.5	314.1	322.0	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6
155°	319.2	323.4	331.1	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1
157.5°	328.4	331.8	338.5	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2
160°	334.6	337.3	343.0	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1
162.5°	339.6	342.4	346.9	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9
165°	346.4	347.9	352.0	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7
167.5°	352.1	353.4	356.1	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0
170°	355.5	356.1	358.3	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5
172.5°	358.3	357.8	360.0	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4
175°	361.1	360.3	361.8	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0
177.5°	361.9	361.3	362.5	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

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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°	10.3	10.6	10.8	10.8	10.8	10.8	10.4
90°	21.0	22.3	23.0	23.0	23.0	23.0	23.0
92.5°	52.2	46.3	42.0	41.4	39.1	39.8	38.6
95°	140.1	110.8	95.5	86.4	80.9	78.7	79.5
97.5°	348.7	273.2	222.9	189.6	172.5	162.3	156.4
100°	550.0	454.5	370.1	312.3	282.3	262.1	249.5
102.5°	754.7	684.7	595.4	532.5	481.3	456.1	439.2
105°	925.7	934.8	911.8	868.5	825.3	795.3	785.6
107.5°	913.1	985.6	1019.4	1024.8	1022.4	1016.5	1003.4
110°	874.1	963.3	1020.5	1050.4	1063.7	1070.0	1069.3

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	827.8	923.2	988.7	1030.4	1052.6	1064.4	1068.2
115°	764.6	856.0	927.7	977.2	1009.3	1027.4	1033.8
117.5°	713.4	796.2	863.5	914.0	947.9	967.0	972.2
120°	686.6	760.5	823.9	872.7	905.4	925.7	932.6
122.5°	664.3	734.2	791.6	835.4	867.5	885.6	891.4
125°	635.0	696.3	748.6	789.1	815.6	832.9	838.6
127.5°	606.5	664.4	712.7	748.0	772.8	787.8	792.3
130°	587.6	642.7	688.7	722.8	746.5	760.5	766.1
132.5°	569.8	620.4	663.6	697.2	720.9	733.7	738.7
135°	541.6	587.6	626.6	656.7	679.7	692.1	695.0
137.5°	519.2	555.7	589.7	617.1	636.9	647.8	652.0
140°	504.7	536.7	567.4	589.7	607.8	618.3	622.5
142.5°	491.9	519.4	545.1	566.3	582.7	592.1	592.9
145°	475.4	497.0	517.2	534.0	545.8	552.8	554.8
147.5°	462.0	478.8	493.7	507.5	516.9	521.7	522.9
150°	453.1	467.7	480.3	490.7	499.1	503.3	504.0
152.5°	445.9	458.3	469.1	477.3	484.6	487.7	487.8
155°	434.3	444.7	452.4	460.0	464.9	467.7	466.4
157.5°	422.6	431.3	437.3	442.7	446.8	448.1	448.1
160°	414.7	422.4	427.3	432.2	435.7	436.3	436.3
162.5°	407.5	414.0	417.9	422.7	425.1	425.8	425.2
165°	396.6	401.5	404.3	407.1	409.8	409.8	409.2
167.5°	386.7	390.0	392.6	393.9	395.4	395.2	394.4
170°	380.6	383.3	384.8	385.5	387.5	386.8	385.5
172.5°	375.1	377.3	378.1	378.8	379.8	379.1	378.3
175°	368.7	369.4	370.1	370.1	370.9	370.1	368.7
177.5°	364.2	364.7	364.7	364.7	364.7	364.2	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5

(END OF REPORT)