

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: P331687-830

Luminaire Tested: **SA2XXRDIP-C675D725U830-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331687-830
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-C675D725U830-4F0-1E-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

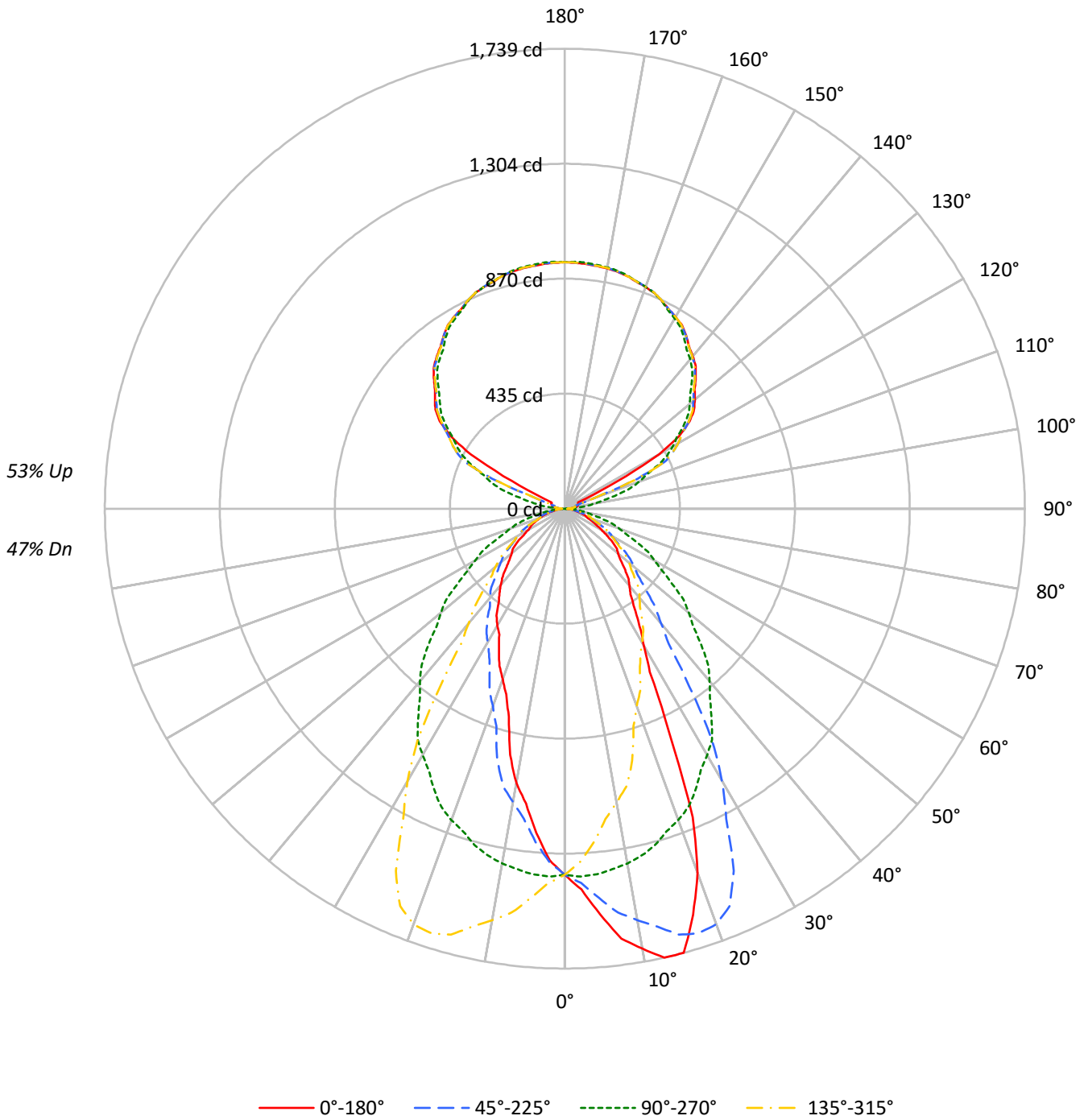
Lumens per Lamp: N/A
Luminaire Lumens: 5126.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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°	22357	22357	22357	22357
5°	24969	22498	19947	22498
10°	27702	22338	17290	22338
15°	29065	22011	13623	22011
20°	25197	21526	11789	21526
25°	16527	20861	10525	20861
30°	11123	20057	9527	20057
35°	9008	19042	8592	19042
40°	8011	17939	7950	17939
45°	7250	16643	7099	16643
50°	6599	15360	6574	15360
55°	6204	13937	6120	13937
60°	5189	12633	5125	12633
65°	4374	11469	4963	11469
70°	4046	10244	4683	10244
75°	3780	8914	4323	8914
80°	3487	7336	3849	7336
85°	3205	5798	3390	5798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	2.6
10°-20°	365.7	7.1
20°-30°	471.3	9.2
30°-40°	447.9	8.7
40°-50°	383.7	7.5
50°-60°	292.2	5.7
60°-70°	184.7	3.6
70°-80°	92.2	1.8
80°-90°	26.3	0.5
90°-100°	31.1	0.6
100°-110°	114.0	2.2
110°-120°	304.7	5.9
120°-130°	502.9	9.8
130°-140°	534.9	10.4
140°-150°	497.1	9.7
150°-160°	399.7	7.8
160°-170°	257.6	5.0
170°-180°	88.7	1.7
0°-30°	968.3	18.9
0°-40°	1416.2	27.6
0°-60°	2092.1	40.8
0°-90°	2395.3	46.7
90°-120°	449.7	8.8
90°-150°	1984.7	38.7
90°-180°	2731.0	53.3
0°-180°	5126.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1385	1385	1385	1385	1385	
5°	1541	1388	1231	1388	1541	152
15°	1739	1317	815	1317	1739	469
25°	928	1171	591	1171	928	440
35°	457	966	436	966	457	292
45°	318	729	311	729	318	246
55°	220	495	217	495	220	193
65°	114	300	130	300	114	117
75°	61	143	69	143	61	64
85°	17	31	18	31	17	19
90°	18	1	18	1	18	9
95°	29	44	29	44	29	27
105°	51	205	51	205	51	53
115°	55	388	55	388	55	138
125°	576	548	576	548	576	499
135°	700	678	700	678	700	540
145°	799	787	799	787	799	500
155°	867	866	867	866	867	400
165°	911	913	911	913	911	257
175°	928	934	928	934	928	88
180°	932	932	932	932	932	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1440.9	1442.0	1443.2	1440.5	1440.5	1438.1	1433.1	1429.4	1418.5	1417.0	1417.0
5°	1540.6	1539.5	1541.5	1535.3	1526.6	1524.7	1515.5	1503.5	1491.0	1477.1	1474.1
7.5°	1639.6	1638.2	1634.4	1633.3	1626.6	1612.1	1597.4	1581.8	1560.9	1540.7	1530.5
10°	1689.7	1705.6	1695.9	1679.1	1682.5	1659.9	1647.8	1627.2	1609.9	1579.5	1572.8
12.5°	1739.0	1745.2	1742.2	1732.6	1728.2	1712.6	1696.4	1678.4	1646.4	1619.2	1595.5
15°	1738.8	1747.9	1750.3	1747.5	1749.8	1748.9	1740.2	1725.3	1697.4	1667.5	1641.6
17.5°	1610.4	1616.7	1632.6	1643.2	1656.7	1685.2	1699.2	1704.7	1700.5	1683.6	1665.3
20°	1466.5	1455.9	1500.2	1522.8	1542.0	1590.1	1631.4	1647.4	1672.8	1672.4	1667.5
22.5°	1262.4	1265.0	1306.9	1333.8	1390.0	1438.0	1485.3	1545.0	1594.3	1626.9	1646.1
25°	927.7	945.9	987.8	1024.4	1086.8	1176.4	1257.6	1352.0	1441.0	1511.2	1578.1
27.5°	696.6	698.0	731.2	765.0	802.1	875.4	977.8	1090.4	1217.3	1322.0	1442.5
30°	596.6	593.7	607.7	628.4	660.1	716.9	793.8	904.6	1031.0	1188.8	1329.4
32.5°	525.8	525.9	536.5	551.8	578.2	616.4	669.1	759.0	878.6	1033.8	1198.4
35°	457.0	456.6	464.3	475.3	486.4	511.0	547.1	594.2	676.5	821.2	989.7
37.5°	407.8	409.9	413.7	420.6	432.8	446.5	468.2	499.8	558.4	644.0	785.6
40°	380.1	381.1	386.3	392.1	399.4	409.9	427.7	453.2	496.1	564.4	667.8
42.5°	354.7	355.6	359.4	364.8	370.4	381.1	395.8	417.8	452.5	505.9	591.2
45°	317.5	317.5	320.9	323.3	329.6	339.2	351.2	369.5	393.6	433.0	489.7
47.5°	282.7	282.8	285.0	289.2	293.1	300.6	312.5	327.3	344.9	375.4	423.9
50°	262.7	263.2	264.6	268.0	270.4	277.1	286.3	299.3	317.5	341.1	381.5
52.5°	246.6	246.2	248.1	249.5	251.2	256.0	262.8	274.3	290.6	311.1	344.6
55°	220.4	218.4	221.3	223.8	225.2	227.1	230.9	238.2	252.1	269.5	294.5
57.5°	187.7	186.9	188.9	191.1	195.7	200.9	204.1	208.7	215.9	228.4	253.2
60°	160.7	160.7	165.0	166.5	171.7	178.5	185.2	189.1	196.3	204.4	222.7
62.5°	136.9	137.2	139.2	140.7	143.6	151.9	161.4	169.8	176.6	184.5	196.6
65°	114.5	115.5	115.5	116.4	118.4	120.3	124.1	130.8	142.9	153.9	163.1
67.5°	97.2	97.5	97.7	98.7	99.2	101.3	102.8	105.8	108.7	119.1	130.4
70°	85.7	87.1	86.6	87.6	88.0	89.0	91.0	92.4	96.7	99.2	105.8
72.5°	74.8	75.9	75.8	76.4	77.7	77.9	79.4	80.9	83.6	85.7	89.3
75°	60.6	60.1	60.6	61.5	62.0	62.6	62.6	64.5	65.9	67.9	70.2
77.5°	46.8	47.2	47.1	47.2	47.3	48.2	48.1	49.0	50.4	51.4	52.5
80°	37.5	38.0	37.5	38.0	38.5	38.9	38.5	38.9	40.4	41.4	41.4
82.5°	29.0	29.1	29.4	29.5	29.6	29.7	30.4	30.5	31.6	31.4	31.8
85°	17.3	16.9	16.9	16.9	17.3	17.8	17.3	17.3	17.8	17.8	17.8
87.5°	9.8	10.1	10.1	10.0	10.0	9.8	9.7	9.9	9.4	9.6	9.0
90°	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0	14.2	13.5	12.3
92.5°	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4	16.0	15.6	15.1
95°	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8	27.1	26.3	25.3
97.5°	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4	35.8	35.2	32.8
100°	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8	39.6	38.5	35.9
102.5°	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6	41.1	39.5	60.8
105°	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4	42.8	41.1	82.0
107.5°	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2	55.9	57.6	106.6
110°	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0	103.0	118.0	161.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3	243.0	297.6	308.3
115°	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3	346.7	416.0	412.3
117.5°	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3	444.0	460.8	458.2
120°	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9	496.0	494.2	491.5
122.5°	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2	527.1	526.0	523.1
125°	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8	570.8	569.8	566.8
127.5°	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2	610.7	609.1	607.0
130°	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7	636.1	634.4	632.8
132.5°	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6	661.2	659.8	658.2
135°	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1	696.6	695.1	693.8
137.5°	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1	729.6	728.2	726.6
140°	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4	751.1	749.8	748.1
142.5°	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1	770.9	769.7	767.8
145°	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7	798.7	797.6	795.0
147.5°	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7	822.9	822.2	819.6
150°	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5	837.6	836.7	834.3
152.5°	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0	851.1	850.2	847.9
155°	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2	869.3	868.4	866.6
157.5°	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5	884.6	883.5	882.2
160°	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5	893.6	892.7	891.7
162.5°	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8	901.8	900.8	900.0
165°	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9	911.9	910.9	910.4
167.5°	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5	920.4	919.4	919.0
170°	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8	924.7	923.7	923.4
172.5°	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1	928.0	926.9	926.6
175°	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6	931.5	930.5	930.1
177.5°	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9	932.1	931.2	931.1
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1417.8	1414.7	1412.0	1405.0	1401.7	1393.9	1392.8	1392.4	1382.3	1372.7	1370.1
5°	1466.5	1458.8	1447.2	1433.7	1419.8	1405.3	1395.7	1388.1	1368.8	1350.5	1339.9
7.5°	1515.5	1499.0	1479.0	1453.6	1432.3	1408.4	1390.7	1374.9	1347.6	1321.4	1303.7
10°	1552.1	1525.1	1498.7	1463.6	1436.2	1409.2	1384.2	1362.5	1331.7	1297.1	1272.5
12.5°	1574.8	1545.2	1508.7	1474.3	1438.9	1404.6	1371.1	1343.3	1307.1	1271.3	1242.2
15°	1605.5	1573.8	1529.5	1480.5	1434.7	1390.0	1351.5	1316.8	1269.7	1226.9	1191.3
17.5°	1630.6	1587.0	1539.4	1482.6	1429.7	1372.8	1323.2	1279.0	1226.5	1174.9	1132.9
20°	1638.7	1595.4	1540.6	1483.8	1421.3	1354.3	1301.0	1252.8	1196.6	1140.3	1092.1
22.5°	1633.7	1600.1	1539.0	1471.1	1407.0	1337.0	1276.7	1220.9	1158.5	1101.0	1045.2
25°	1599.8	1588.2	1530.5	1456.3	1383.3	1301.9	1232.2	1171.0	1099.9	1038.3	977.6
27.5°	1520.5	1545.5	1509.7	1430.8	1349.4	1262.3	1183.8	1114.3	1040.4	971.1	910.7
30°	1444.4	1501.6	1486.2	1413.1	1322.1	1236.5	1148.5	1075.8	996.9	925.7	866.0
32.5°	1340.0	1434.6	1449.6	1388.5	1294.4	1200.3	1108.1	1035.8	953.4	878.4	820.2
35°	1173.9	1315.4	1380.4	1341.3	1247.1	1145.6	1050.3	966.1	883.4	809.3	751.5
37.5°	975.8	1168.5	1276.7	1279.5	1192.9	1087.3	983.6	900.0	815.3	742.5	680.1
40°	847.3	1056.0	1197.0	1228.3	1155.2	1041.1	936.2	851.1	768.4	697.1	625.5
42.5°	731.8	939.8	1113.1	1167.5	1109.4	996.1	890.9	801.8	721.4	654.0	580.8
45°	591.8	773.6	964.7	1061.9	1029.6	924.7	813.6	728.9	653.4	595.1	524.9
47.5°	499.2	627.4	812.2	943.7	943.1	847.3	738.0	657.0	586.9	532.3	475.4
50°	446.5	558.1	714.4	863.7	876.1	795.8	691.8	611.5	546.1	488.8	443.1
52.5°	399.2	491.2	631.7	774.7	810.3	740.7	639.9	565.7	502.2	449.6	410.4
55°	337.2	408.5	515.3	649.0	702.9	653.8	564.4	495.1	443.6	399.4	365.6
57.5°	285.3	338.7	424.4	532.2	594.8	564.0	490.1	433.9	389.8	349.8	323.2
60°	252.6	296.3	369.0	459.0	528.3	506.6	443.6	391.2	353.6	319.0	294.0
62.5°	221.8	259.4	321.7	394.7	458.3	449.3	397.8	353.8	320.9	289.4	268.2
65°	178.5	205.9	254.5	311.8	362.8	367.1	330.1	300.2	270.9	245.8	227.1
67.5°	142.1	160.0	194.3	242.5	280.7	294.4	271.7	248.9	225.6	206.3	190.0
70°	119.8	134.2	159.3	198.2	233.4	247.8	234.8	217.0	196.8	180.9	166.9
72.5°	97.1	111.1	129.6	158.2	188.3	203.9	199.3	186.6	170.2	157.0	143.8
75°	73.1	77.5	90.0	109.2	132.8	146.3	149.7	142.9	129.9	119.8	112.1
77.5°	54.1	56.6	62.7	72.8	88.1	100.2	105.1	104.3	95.4	89.4	82.3
80°	43.3	44.8	47.6	51.9	63.5	75.5	78.9	78.9	72.7	70.2	63.1
82.5°	32.9	33.9	35.7	38.1	43.5	54.0	57.8	58.5	54.6	51.4	45.7
85°	18.8	18.3	19.2	20.6	21.7	24.5	30.3	31.3	30.3	26.5	25.0
87.5°	8.8	8.9	8.7	8.0	8.0	8.1	9.7	11.3	10.1	9.2	8.9
90°	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6	13.5	13.3	13.2
95°	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8	38.9	33.9	29.0
97.5°	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0	73.0	59.1	45.1
100°	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3	98.8	78.3	57.8
102.5°	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0	150.6	146.3	141.9
105°	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0	209.4	214.0	218.5
107.5°	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0	265.6	269.3	272.9
110°	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7	301.8	305.0	308.1



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2	336.0	338.7	341.6
115°	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7	390.2	392.8	395.3
117.5°	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4	439.2	442.1	444.9
120°	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9	474.2	476.5	478.7
122.5°	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2	504.5	506.9	509.3
125°	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2	550.1	552.0	554.0
127.5°	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8	592.0	594.2	596.3
130°	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2	618.7	621.0	623.4
132.5°	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2	645.3	647.3	649.3
135°	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3	680.7	683.1	685.5
137.5°	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8	715.4	717.1	718.8
140°	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0	738.1	739.3	740.6
142.5°	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4	757.4	758.6	759.6
145°	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8	786.6	786.6	786.4
147.5°	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4	812.8	812.3	811.7
150°	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7	829.6	828.6	827.6
152.5°	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2	844.0	842.9	841.7
155°	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4	865.1	863.7	862.3
157.5°	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0	881.8	880.7	879.6
160°	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	891.7	890.9	889.9
162.5°	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4	900.4	899.6	898.6
165°	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9	912.0	911.2	910.2
167.5°	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5	920.7	919.7	918.9
170°	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4	925.5	924.6	923.7
172.5°	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6	928.7	927.8	926.9
175°	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8	932.7	931.7	930.7
177.5°	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5	933.7	932.8	932.0
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1365.1	1362.4	1357.4	1349.6	1345.0	1336.9	1331.5	1334.6	1335.4	1334.6	1333.9
5°	1328.4	1318.2	1304.3	1290.8	1278.4	1264.9	1257.2	1253.8	1247.1	1243.2	1241.3
7.5°	1284.0	1266.6	1246.9	1223.4	1203.4	1182.6	1172.0	1166.6	1152.8	1145.4	1138.8
10°	1250.9	1223.5	1203.8	1173.0	1154.2	1126.8	1108.1	1108.5	1089.8	1079.1	1071.5
12.5°	1214.4	1184.2	1151.4	1123.7	1097.6	1075.6	1053.0	1043.9	1023.9	1013.7	993.0
15°	1153.8	1118.6	1084.0	1046.4	1020.0	985.8	953.1	913.1	880.9	853.0	845.4
17.5°	1087.5	1044.1	1009.3	965.3	919.9	862.4	824.5	801.3	781.9	767.2	756.2
20°	1042.1	997.9	960.8	894.4	833.3	794.4	766.5	748.7	728.4	712.6	703.9
22.5°	994.4	948.2	897.7	823.6	776.0	744.7	719.8	699.4	685.7	673.3	665.4
25°	926.6	876.1	792.9	741.9	703.4	670.7	653.4	640.8	626.4	609.5	601.9
27.5°	855.1	774.7	714.9	677.0	640.3	619.0	603.4	584.8	571.8	564.3	556.3
30°	801.5	721.2	674.6	633.2	607.2	583.6	565.3	554.8	542.2	529.2	524.0
32.5°	741.9	677.7	633.0	598.5	572.1	552.0	537.6	520.5	511.4	503.4	492.4
35°	667.8	619.3	578.3	550.4	525.4	509.1	492.2	482.1	465.7	459.0	454.7
37.5°	605.0	562.9	532.4	502.9	483.1	465.1	454.8	438.7	431.6	422.3	413.1
40°	569.7	528.3	498.9	474.9	452.7	439.2	426.3	413.3	402.7	398.4	387.3
42.5°	533.5	499.8	470.4	444.0	429.2	415.0	398.6	389.1	378.1	371.1	364.2
45°	483.5	453.7	428.7	407.0	390.7	375.8	365.1	349.3	343.1	329.0	323.3
47.5°	439.7	411.9	388.0	367.5	351.5	341.8	326.3	313.9	303.9	295.3	287.9
50°	408.5	385.4	362.3	344.0	329.6	315.7	299.7	293.5	278.1	273.7	269.5
52.5°	380.0	358.1	336.9	319.0	304.5	291.0	277.0	268.8	258.4	254.1	251.0
55°	340.2	319.0	298.8	282.9	268.4	254.5	245.8	235.7	230.9	227.5	223.8
57.5°	300.1	281.1	265.6	249.5	235.0	223.9	213.9	207.8	202.8	198.4	193.8
60°	274.8	256.5	242.5	227.5	212.6	203.5	195.9	188.6	182.9	176.1	174.2
62.5°	247.8	231.8	219.0	204.4	191.5	183.1	175.8	169.0	162.0	152.2	149.5
65°	210.8	198.2	184.7	172.8	161.2	153.0	142.4	134.7	131.9	130.8	130.4
67.5°	177.3	165.4	153.8	141.6	131.0	123.5	118.1	116.9	114.9	114.3	113.0
70°	155.0	143.8	132.3	120.7	110.7	109.2	107.3	105.4	102.9	102.0	101.0
72.5°	134.9	123.5	111.9	102.6	98.3	96.5	94.6	92.7	91.0	90.1	89.4
75°	103.4	92.8	85.2	81.8	79.4	77.9	75.0	73.6	72.7	71.2	70.7
77.5°	74.5	68.5	64.9	62.9	60.3	58.8	57.1	55.7	54.7	54.4	53.6
80°	56.7	53.9	51.5	48.6	47.6	45.7	45.2	43.8	44.3	42.8	42.8
82.5°	44.1	40.4	38.4	37.0	36.1	34.6	34.0	33.4	33.5	32.4	32.4
85°	22.6	21.7	20.6	19.7	19.7	18.3	18.8	18.3	18.3	17.3	16.9
87.5°	8.8	8.7	8.1	8.4	8.6	8.5	8.6	8.4	8.6	8.7	8.4
90°	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0	15.7	16.5	17.0
92.5°	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4	16.8	17.2	17.5
95°	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8	28.6	29.3	29.6
97.5°	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4	36.9	37.6	38.0
100°	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8	42.0	43.3	44.0
102.5°	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6	44.2	45.7	46.8
105°	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4	46.1	47.7	48.8
107.5°	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2	52.5	50.9	50.3
110°	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0	73.0	58.1	50.9



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3	133.7	79.0	51.8
115°	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3	207.9	138.6	98.4
117.5°	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3	410.4	393.6	367.5
120°	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9	499.6	501.4	492.2
122.5°	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2	529.2	530.4	529.0
125°	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8	572.9	573.9	574.7
127.5°	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2	613.7	615.2	616.0
130°	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7	639.4	641.0	641.8
132.5°	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6	664.0	665.4	666.1
135°	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1	699.6	701.2	701.7
137.5°	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1	732.5	734.1	734.5
140°	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4	753.8	755.2	755.4
142.5°	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1	773.4	774.6	774.9
145°	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7	800.8	801.8	801.9
147.5°	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7	824.5	825.3	825.4
150°	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5	839.4	840.3	840.4
152.5°	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0	852.9	853.8	853.8
155°	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2	871.1	872.0	871.9
157.5°	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5	886.6	887.6	887.5
160°	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5	895.4	896.3	896.2
162.5°	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8	903.8	904.8	904.7
165°	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9	914.1	915.1	915.1
167.5°	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5	922.6	923.6	923.4
170°	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8	926.8	927.9	927.7
172.5°	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1	930.1	931.1	930.9
175°	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6	933.6	934.6	934.4
177.5°	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9	933.8	934.6	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1329.6	1330.4	1329.3	1330.0	1329.3	1330.4	1329.6	1333.9	1334.6	1335.4	1334.6
5°	1238.9	1233.1	1232.2	1230.7	1232.2	1233.1	1238.9	1241.3	1243.2	1247.1	1253.8
7.5°	1130.6	1129.6	1127.3	1123.9	1127.3	1129.6	1130.6	1138.8	1145.4	1152.8	1166.6
10°	1060.8	1058.5	1058.0	1054.6	1058.0	1058.5	1060.8	1071.5	1079.1	1089.8	1108.5
12.5°	979.3	963.7	962.1	953.8	962.1	963.7	979.3	993.0	1013.7	1023.9	1043.9
15°	833.8	830.9	821.2	815.0	821.2	830.9	833.8	845.4	853.0	880.9	913.1
17.5°	750.6	741.2	738.2	736.9	738.2	741.2	750.6	756.2	767.2	781.9	801.3
20°	697.1	688.5	687.0	686.1	687.0	688.5	697.1	703.9	712.6	728.4	748.7
22.5°	660.2	651.1	647.4	644.5	647.4	651.1	660.2	665.4	673.3	685.7	699.4
25°	597.1	593.7	591.8	590.8	591.8	593.7	597.1	601.9	609.5	626.4	640.8
27.5°	547.7	540.3	538.9	536.4	538.9	540.3	547.7	556.3	564.3	571.8	584.8
30°	519.6	517.2	513.9	511.0	513.9	517.2	519.6	524.0	529.2	542.2	554.8
32.5°	486.5	484.5	481.5	480.1	481.5	484.5	486.5	492.4	503.4	511.4	520.5
35°	449.9	443.1	440.3	435.9	440.3	443.1	449.9	454.7	459.0	465.7	482.1
37.5°	411.0	407.6	403.5	404.9	403.5	407.6	411.0	413.1	422.3	431.6	438.7
40°	381.1	378.6	377.7	377.2	377.7	378.6	381.1	387.3	398.4	402.7	413.3
42.5°	357.2	350.5	348.1	348.0	348.1	350.5	357.2	364.2	371.1	378.1	389.1
45°	320.9	314.6	310.3	310.9	310.3	314.6	320.9	323.3	329.0	343.1	349.3
47.5°	283.8	283.6	280.9	281.7	280.9	283.6	283.8	287.9	295.3	303.9	313.9
50°	266.1	263.2	261.3	261.7	261.3	263.2	266.1	269.5	273.7	278.1	293.5
52.5°	249.1	246.7	245.1	247.1	245.1	246.7	249.1	251.0	254.1	258.4	268.8
55°	221.3	218.4	217.9	217.4	217.9	218.4	221.3	223.8	227.5	230.9	235.7
57.5°	190.2	188.3	185.4	184.2	185.4	188.3	190.2	193.8	198.4	202.8	207.8
60°	167.9	164.1	159.3	158.7	159.3	164.1	167.9	174.2	176.1	182.9	188.6
62.5°	147.5	146.8	145.8	145.7	145.8	146.8	147.5	149.5	152.2	162.0	169.0
65°	129.4	128.9	129.4	129.9	129.4	128.9	129.4	130.4	130.8	131.9	134.7
67.5°	112.8	111.9	111.0	111.4	111.0	111.9	112.8	113.0	114.3	114.9	116.9
70°	100.1	99.6	99.2	99.2	99.2	99.6	100.1	101.0	102.0	102.9	105.4
72.5°	87.8	87.7	87.2	86.8	87.2	87.7	87.8	89.4	90.1	91.0	92.7
75°	70.2	69.3	69.3	69.3	69.3	69.3	70.2	70.7	71.2	72.7	73.6
77.5°	53.5	53.1	52.5	52.1	52.5	53.1	53.5	53.6	54.4	54.7	55.7
80°	42.3	41.8	41.4	41.4	41.4	41.8	42.3	42.8	42.8	44.3	43.8
82.5°	32.3	31.9	31.8	31.4	31.8	31.9	32.3	32.4	32.4	33.5	33.4
85°	17.3	17.8	17.3	18.3	17.3	17.8	17.3	16.9	17.3	18.3	18.3
87.5°	8.5	8.1	8.6	8.3	8.6	8.1	8.5	8.4	8.7	8.6	8.4
90°	17.3	17.6	17.9	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0
92.5°	17.6	17.8	18.0	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4
95°	29.4	29.3	29.1	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8
97.5°	38.2	38.4	38.5	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4
100°	44.3	44.6	44.9	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8
102.5°	47.1	47.6	48.0	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6
105°	49.5	50.0	50.6	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4
107.5°	50.9	51.6	52.1	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2
110°	51.5	52.0	52.7	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	52.4	52.9	53.3	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3
115°	87.7	76.8	66.1	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3
117.5°	332.1	296.6	261.2	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3
120°	471.9	451.8	431.5	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9
122.5°	525.0	521.0	517.2	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2
125°	575.1	575.6	576.0	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8
127.5°	616.1	616.2	616.3	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2
130°	641.7	641.5	641.3	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7
132.5°	665.9	665.8	665.6	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6
135°	701.4	701.2	700.8	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1
137.5°	734.1	733.5	733.0	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1
140°	754.7	753.9	753.2	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4
142.5°	774.1	773.4	772.6	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1
145°	801.3	800.5	799.7	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7
147.5°	824.7	824.1	823.5	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7
150°	839.6	838.9	838.1	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5
152.5°	852.8	851.8	850.8	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0
155°	870.6	869.5	868.3	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2
157.5°	886.4	885.1	884.0	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5
160°	895.1	894.1	893.1	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5
162.5°	903.4	902.1	900.9	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8
165°	914.1	912.9	911.9	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9
167.5°	922.1	920.8	919.4	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5
170°	926.4	925.0	923.7	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8
172.5°	929.6	928.3	926.9	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1
175°	932.9	931.4	929.9	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6
177.5°	933.4	932.4	931.2	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1331.5	1336.9	1345.0	1349.6	1357.4	1362.4	1365.1	1370.1	1372.7	1382.3	1392.4
5°	1257.2	1264.9	1278.4	1290.8	1304.3	1318.2	1328.4	1339.9	1350.5	1368.8	1388.1
7.5°	1172.0	1182.6	1203.4	1223.4	1246.9	1266.6	1284.0	1303.7	1321.4	1347.6	1374.9
10°	1108.1	1126.8	1154.2	1173.0	1203.8	1223.5	1250.9	1272.5	1297.1	1331.7	1362.5
12.5°	1053.0	1075.6	1097.6	1123.7	1151.4	1184.2	1214.4	1242.2	1271.3	1307.1	1343.3
15°	953.1	985.8	1020.0	1046.4	1084.0	1118.6	1153.8	1191.3	1226.9	1269.7	1316.8
17.5°	824.5	862.4	919.9	965.3	1009.3	1044.1	1087.5	1132.9	1174.9	1226.5	1279.0
20°	766.5	794.4	833.3	894.4	960.8	997.9	1042.1	1092.1	1140.3	1196.6	1252.8
22.5°	719.8	744.7	776.0	823.6	897.7	948.2	994.4	1045.2	1101.0	1158.5	1220.9
25°	653.4	670.7	703.4	741.9	792.9	876.1	926.6	977.6	1038.3	1099.9	1171.0
27.5°	603.4	619.0	640.3	677.0	714.9	774.7	855.1	910.7	971.1	1040.4	1114.3
30°	565.3	583.6	607.2	633.2	674.6	721.2	801.5	866.0	925.7	996.9	1075.8
32.5°	537.6	552.0	572.1	598.5	633.0	677.7	741.9	820.2	878.4	953.4	1035.8
35°	492.2	509.1	525.4	550.4	578.3	619.3	667.8	751.5	809.3	883.4	966.1
37.5°	454.8	465.1	483.1	502.9	532.4	562.9	605.0	680.1	742.5	815.3	900.0
40°	426.3	439.2	452.7	474.9	498.9	528.3	569.7	625.5	697.1	768.4	851.1
42.5°	398.6	415.0	429.2	444.0	470.4	499.8	533.5	580.8	654.0	721.4	801.8
45°	365.1	375.8	390.7	407.0	428.7	453.7	483.5	524.9	595.1	653.4	728.9
47.5°	326.3	341.8	351.5	367.5	388.0	411.9	439.7	475.4	532.3	586.9	657.0
50°	299.7	315.7	329.6	344.0	362.3	385.4	408.5	443.1	488.8	546.1	611.5
52.5°	277.0	291.0	304.5	319.0	336.9	358.1	380.0	410.4	449.6	502.2	565.7
55°	245.8	254.5	268.4	282.9	298.8	319.0	340.2	365.6	399.4	443.6	495.1
57.5°	213.9	223.9	235.0	249.5	265.6	281.1	300.1	323.2	349.8	389.8	433.9
60°	195.9	203.5	212.6	227.5	242.5	256.5	274.8	294.0	319.0	353.6	391.2
62.5°	175.8	183.1	191.5	204.4	219.0	231.8	247.8	268.2	289.4	320.9	353.8
65°	142.4	153.0	161.2	172.8	184.7	198.2	210.8	227.1	245.8	270.9	300.2
67.5°	118.1	123.5	131.0	141.6	153.8	165.4	177.3	190.0	206.3	225.6	248.9
70°	107.3	109.2	110.7	120.7	132.3	143.8	155.0	166.9	180.9	196.8	217.0
72.5°	94.6	96.5	98.3	102.6	111.9	123.5	134.9	143.8	157.0	170.2	186.6
75°	75.0	77.9	79.4	81.8	85.2	92.8	103.4	112.1	119.8	129.9	142.9
77.5°	57.1	58.8	60.3	62.9	64.9	68.5	74.5	82.3	89.4	95.4	104.3
80°	45.2	45.7	47.6	48.6	51.5	53.9	56.7	63.1	70.2	72.7	78.9
82.5°	34.0	34.6	36.1	37.0	38.4	40.4	44.1	45.7	51.4	54.6	58.5
85°	18.8	18.3	19.7	19.7	20.6	21.7	22.6	25.0	26.5	30.3	31.3
87.5°	8.6	8.5	8.6	8.4	8.1	8.7	8.8	8.9	9.2	10.1	11.3
90°	14.2	13.5	12.3	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7
92.5°	16.0	15.6	15.1	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6
95°	27.1	26.3	25.3	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8
97.5°	35.8	35.2	32.8	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0
100°	39.6	38.5	35.9	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3
102.5°	41.1	39.5	60.8	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0
105°	42.8	41.1	82.0	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0
107.5°	55.9	57.6	106.6	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0
110°	103.0	118.0	161.3	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.0	297.6	308.3	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2
115°	346.7	416.0	412.3	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7
117.5°	444.0	460.8	458.2	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4
120°	496.0	494.2	491.5	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9
122.5°	527.1	526.0	523.1	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2
125°	570.8	569.8	566.8	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2
127.5°	610.7	609.1	607.0	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8
130°	636.1	634.4	632.8	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2
132.5°	661.2	659.8	658.2	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2
135°	696.6	695.1	693.8	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3
137.5°	729.6	728.2	726.6	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8
140°	751.1	749.8	748.1	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0
142.5°	770.9	769.7	767.8	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4
145°	798.7	797.6	795.0	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8
147.5°	822.9	822.2	819.6	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4
150°	837.6	836.7	834.3	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7
152.5°	851.1	850.2	847.9	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2
155°	869.3	868.4	866.6	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4
157.5°	884.6	883.5	882.2	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0
160°	893.6	892.7	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7
162.5°	901.8	900.8	900.0	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4
165°	911.9	910.9	910.4	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9
167.5°	920.4	919.4	919.0	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5
170°	924.7	923.7	923.4	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4
172.5°	928.0	926.9	926.6	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6
175°	931.5	930.5	930.1	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8
177.5°	932.1	931.2	931.1	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331687-830

CATALOG NUMBER: SA2XXRDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1392.8	1393.9	1401.7	1405.0	1412.0	1414.7	1417.8	1417.0	1417.0	1418.5	1429.4
5°	1395.7	1405.3	1419.8	1433.7	1447.2	1458.8	1466.5	1474.1	1477.1	1491.0	1503.5
7.5°	1390.7	1408.4	1432.3	1453.6	1479.0	1499.0	1515.5	1530.5	1540.7	1560.9	1581.8
10°	1384.2	1409.2	1436.2	1463.6	1498.7	1525.1	1552.1	1572.8	1579.5	1609.9	1627.2
12.5°	1371.1	1404.6	1438.9	1474.3	1508.7	1545.2	1574.8	1595.5	1619.2	1646.4	1678.4
15°	1351.5	1390.0	1434.7	1480.5	1529.5	1573.8	1605.5	1641.6	1667.5	1697.4	1725.3
17.5°	1323.2	1372.8	1429.7	1482.6	1539.4	1587.0	1630.6	1665.3	1683.6	1700.5	1704.7
20°	1301.0	1354.3	1421.3	1483.8	1540.6	1595.4	1638.7	1667.5	1672.4	1672.8	1647.4
22.5°	1276.7	1337.0	1407.0	1471.1	1539.0	1600.1	1633.7	1646.1	1626.9	1594.3	1545.0
25°	1232.2	1301.9	1383.3	1456.3	1530.5	1588.2	1599.8	1578.1	1511.2	1441.0	1352.0
27.5°	1183.8	1262.3	1349.4	1430.8	1509.7	1545.5	1520.5	1442.5	1322.0	1217.3	1090.4
30°	1148.5	1236.5	1322.1	1413.1	1486.2	1501.6	1444.4	1329.4	1188.8	1031.0	904.6
32.5°	1108.1	1200.3	1294.4	1388.5	1449.6	1434.6	1340.0	1198.4	1033.8	878.6	759.0
35°	1050.3	1145.6	1247.1	1341.3	1380.4	1315.4	1173.9	989.7	821.2	676.5	594.2
37.5°	983.6	1087.3	1192.9	1279.5	1276.7	1168.5	975.8	785.6	644.0	558.4	499.8
40°	936.2	1041.1	1155.2	1228.3	1197.0	1056.0	847.3	667.8	564.4	496.1	453.2
42.5°	890.9	996.1	1109.4	1167.5	1113.1	939.8	731.8	591.2	505.9	452.5	417.8
45°	813.6	924.7	1029.6	1061.9	964.7	773.6	591.8	489.7	433.0	393.6	369.5
47.5°	738.0	847.3	943.1	943.7	812.2	627.4	499.2	423.9	375.4	344.9	327.3
50°	691.8	795.8	876.1	863.7	714.4	558.1	446.5	381.5	341.1	317.5	299.3
52.5°	639.9	740.7	810.3	774.7	631.7	491.2	399.2	344.6	311.1	290.6	274.3
55°	564.4	653.8	702.9	649.0	515.3	408.5	337.2	294.5	269.5	252.1	238.2
57.5°	490.1	564.0	594.8	532.2	424.4	338.7	285.3	253.2	228.4	215.9	208.7
60°	443.6	506.6	528.3	459.0	369.0	296.3	252.6	222.7	204.4	196.3	189.1
62.5°	397.8	449.3	458.3	394.7	321.7	259.4	221.8	196.6	184.5	176.6	169.8
65°	330.1	367.1	362.8	311.8	254.5	205.9	178.5	163.1	153.9	142.9	130.8
67.5°	271.7	294.4	280.7	242.5	194.3	160.0	142.1	130.4	119.1	108.7	105.8
70°	234.8	247.8	233.4	198.2	159.3	134.2	119.8	105.8	99.2	96.7	92.4
72.5°	199.3	203.9	188.3	158.2	129.6	111.1	97.1	89.3	85.7	83.6	80.9
75°	149.7	146.3	132.8	109.2	90.0	77.5	73.1	70.2	67.9	65.9	64.5
77.5°	105.1	100.2	88.1	72.8	62.7	56.6	54.1	52.5	51.4	50.4	49.0
80°	78.9	75.5	63.5	51.9	47.6	44.8	43.3	41.4	41.4	40.4	38.9
82.5°	57.8	54.0	43.5	38.1	35.7	33.9	32.9	31.8	31.4	31.6	30.5
85°	30.3	24.5	21.7	20.6	19.2	18.3	18.8	17.8	17.8	17.8	17.3
87.5°	9.7	8.1	8.0	8.0	8.7	8.9	8.8	9.0	9.6	9.4	9.9
90°	2.4	4.0	5.7	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0
92.5°	13.5	13.3	13.2	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4
95°	38.9	33.9	29.0	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8
97.5°	73.0	59.1	45.1	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4
100°	98.8	78.3	57.8	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8
102.5°	150.6	146.3	141.9	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6
105°	209.4	214.0	218.5	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4
107.5°	265.6	269.3	272.9	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2
110°	301.8	305.0	308.1	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	336.0	338.7	341.6	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3
115°	390.2	392.8	395.3	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3
117.5°	439.2	442.1	444.9	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3
120°	474.2	476.5	478.7	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9
122.5°	504.5	506.9	509.3	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2
125°	550.1	552.0	554.0	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8
127.5°	592.0	594.2	596.3	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2
130°	618.7	621.0	623.4	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7
132.5°	645.3	647.3	649.3	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6
135°	680.7	683.1	685.5	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1
137.5°	715.4	717.1	718.8	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1
140°	738.1	739.3	740.6	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4
142.5°	757.4	758.6	759.6	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1
145°	786.6	786.6	786.4	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7
147.5°	812.8	812.3	811.7	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7
150°	829.6	828.6	827.6	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5
152.5°	844.0	842.9	841.7	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0
155°	865.1	863.7	862.3	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2
157.5°	881.8	880.7	879.6	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5
160°	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5
162.5°	900.4	899.6	898.6	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8
165°	912.0	911.2	910.2	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9
167.5°	920.7	919.7	918.9	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5
170°	925.5	924.6	923.7	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8
172.5°	928.7	927.8	926.9	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1
175°	932.7	931.7	930.7	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6
177.5°	933.7	932.8	932.0	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1433.1	1438.1	1440.5	1440.5	1443.2	1442.0	1440.9
5°	1515.5	1524.7	1526.6	1535.3	1541.5	1539.5	1540.6
7.5°	1597.4	1612.1	1626.6	1633.3	1634.4	1638.2	1639.6
10°	1647.8	1659.9	1682.5	1679.1	1695.9	1705.6	1689.7
12.5°	1696.4	1712.6	1728.2	1732.6	1742.2	1745.2	1739.0
15°	1740.2	1748.9	1749.8	1747.5	1750.3	1747.9	1738.8
17.5°	1699.2	1685.2	1656.7	1643.2	1632.6	1616.7	1610.4
20°	1631.4	1590.1	1542.0	1522.8	1500.2	1455.9	1466.5
22.5°	1485.3	1438.0	1390.0	1333.8	1306.9	1265.0	1262.4
25°	1257.6	1176.4	1086.8	1024.4	987.8	945.9	927.7
27.5°	977.8	875.4	802.1	765.0	731.2	698.0	696.6
30°	793.8	716.9	660.1	628.4	607.7	593.7	596.6
32.5°	669.1	616.4	578.2	551.8	536.5	525.9	525.8
35°	547.1	511.0	486.4	475.3	464.3	456.6	457.0
37.5°	468.2	446.5	432.8	420.6	413.7	409.9	407.8
40°	427.7	409.9	399.4	392.1	386.3	381.1	380.1
42.5°	395.8	381.1	370.4	364.8	359.4	355.6	354.7
45°	351.2	339.2	329.6	323.3	320.9	317.5	317.5
47.5°	312.5	300.6	293.1	289.2	285.0	282.8	282.7
50°	286.3	277.1	270.4	268.0	264.6	263.2	262.7
52.5°	262.8	256.0	251.2	249.5	248.1	246.2	246.6
55°	230.9	227.1	225.2	223.8	221.3	218.4	220.4
57.5°	204.1	200.9	195.7	191.1	188.9	186.9	187.7
60°	185.2	178.5	171.7	166.5	165.0	160.7	160.7
62.5°	161.4	151.9	143.6	140.7	139.2	137.2	136.9
65°	124.1	120.3	118.4	116.4	115.5	115.5	114.5
67.5°	102.8	101.3	99.2	98.7	97.7	97.5	97.2
70°	91.0	89.0	88.0	87.6	86.6	87.1	85.7
72.5°	79.4	77.9	77.7	76.4	75.8	75.9	74.8
75°	62.6	62.6	62.0	61.5	60.6	60.1	60.6
77.5°	48.1	48.2	47.3	47.2	47.1	47.2	46.8
80°	38.5	38.9	38.5	38.0	37.5	38.0	37.5
82.5°	30.4	29.7	29.6	29.5	29.4	29.1	29.0
85°	17.3	17.8	17.3	16.9	16.9	16.9	17.3
87.5°	9.7	9.8	10.0	10.0	10.1	10.1	9.8
90°	15.7	16.5	17.0	17.3	17.6	17.9	18.2
92.5°	16.8	17.2	17.5	17.6	17.8	18.0	18.2
95°	28.6	29.3	29.6	29.4	29.3	29.1	29.0
97.5°	36.9	37.6	38.0	38.2	38.4	38.5	38.7
100°	42.0	43.3	44.0	44.3	44.6	44.9	45.1
102.5°	44.2	45.7	46.8	47.1	47.6	48.0	48.4
105°	46.1	47.7	48.8	49.5	50.0	50.6	51.3
107.5°	52.5	50.9	50.3	50.9	51.6	52.1	52.7
110°	73.0	58.1	50.9	51.5	52.0	52.7	53.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.7	79.0	51.8	52.4	52.9	53.3	53.8
115°	207.9	138.6	98.4	87.7	76.8	66.1	55.3
117.5°	410.4	393.6	367.5	332.1	296.6	261.2	225.7
120°	499.6	501.4	492.2	471.9	451.8	431.5	411.3
122.5°	529.2	530.4	529.0	525.0	521.0	517.2	513.2
125°	572.9	573.9	574.7	575.1	575.6	576.0	576.5
127.5°	613.7	615.2	616.0	616.1	616.2	616.3	616.4
130°	639.4	641.0	641.8	641.7	641.5	641.3	641.2
132.5°	664.0	665.4	666.1	665.9	665.8	665.6	665.4
135°	699.6	701.2	701.7	701.4	701.2	700.8	700.5
137.5°	732.5	734.1	734.5	734.1	733.5	733.0	732.4
140°	753.8	755.2	755.4	754.7	753.9	753.2	752.4
142.5°	773.4	774.6	774.9	774.1	773.4	772.6	771.8
145°	800.8	801.8	801.9	801.3	800.5	799.7	799.0
147.5°	824.5	825.3	825.4	824.7	824.1	823.5	822.8
150°	839.4	840.3	840.4	839.6	838.9	838.1	837.4
152.5°	852.9	853.8	853.8	852.8	851.8	850.8	849.8
155°	871.1	872.0	871.9	870.6	869.5	868.3	867.0
157.5°	886.6	887.6	887.5	886.4	885.1	884.0	882.9
160°	895.4	896.3	896.2	895.1	894.1	893.1	892.0
162.5°	903.8	904.8	904.7	903.4	902.1	900.9	899.6
165°	914.1	915.1	915.1	914.1	912.9	911.9	910.9
167.5°	922.6	923.6	923.4	922.1	920.8	919.4	918.0
170°	926.8	927.9	927.7	926.4	925.0	923.7	922.4
172.5°	930.1	931.1	930.9	929.6	928.3	926.9	925.6
175°	933.6	934.6	934.4	932.9	931.4	929.9	928.4
177.5°	933.8	934.6	934.5	933.4	932.4	931.2	930.2
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8

(END OF REPORT)