

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: P331359-840

Luminaire Tested: **SA2XXDIP-C675D925U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331359-840  
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: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

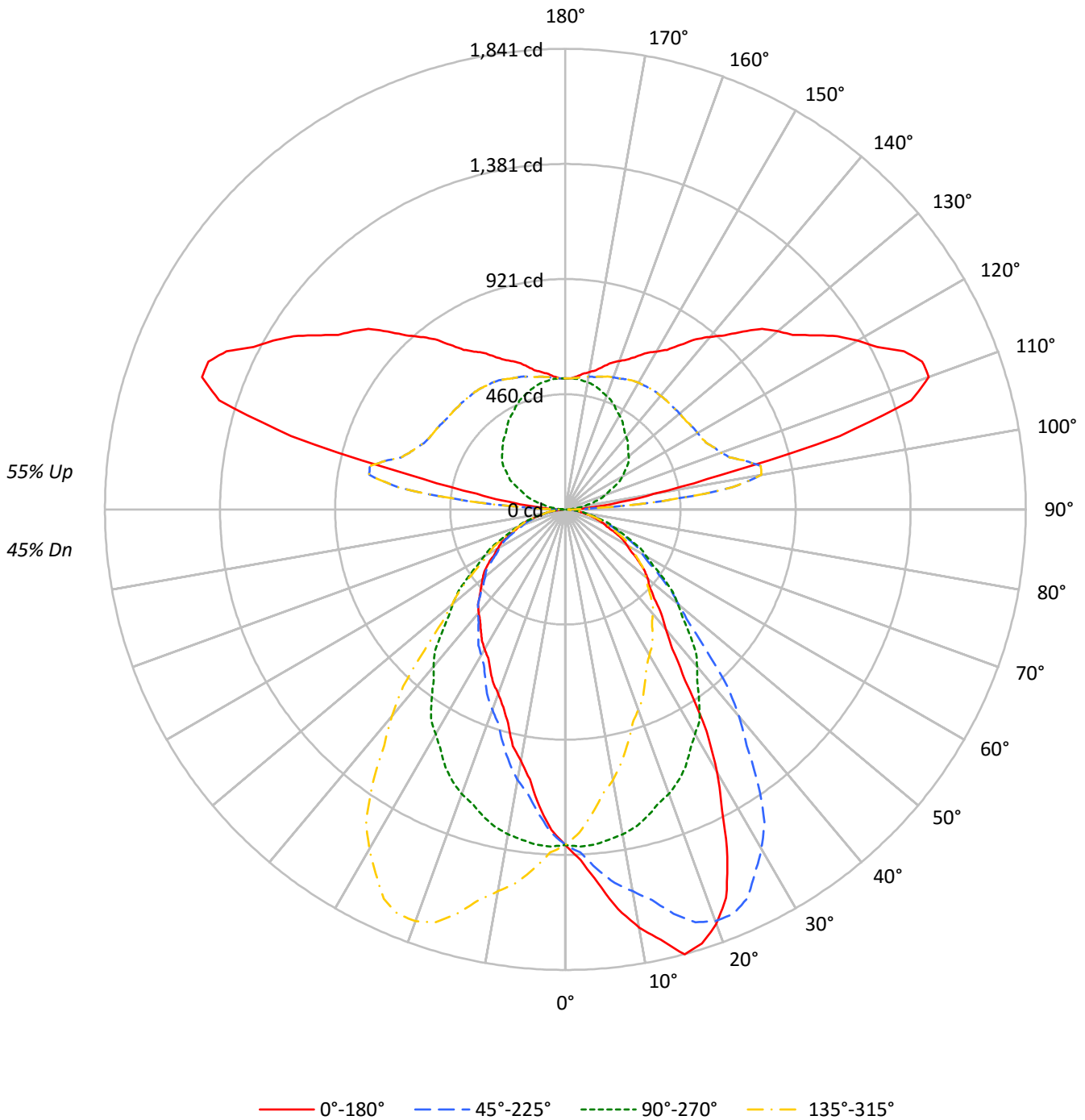
Lumens per Lamp: N/A  
Luminaire Lumens: 6611.1 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 52  
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	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33	28
4	74	64	56	51	68	59	53	47	50	45	41	41	38	35	33	31	29	25
5	68	57	49	44	63	53	46	41	45	40	36	37	33	30	30	27	25	22
6	63	52	44	38	58	48	41	36	40	35	31	34	30	27	27	25	22	19
7	59	47	39	34	54	43	36	32	37	32	28	31	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	31	27	47	36	30	25	31	26	22	26	22	19	21	19	16	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	21658	21658	21658	21658
5°	24280	21797	19316	21797
10°	27824	21620	16718	21620
15°	30780	21224	14770	21224
20°	30311	20797	13464	20797
25°	27332	20232	12636	20232
30°	22585	19328	12033	19328
35°	16462	18382	11606	18382
40°	13148	17266	11367	17266
45°	11488	15972	11040	15972
50°	10798	14722	10826	14722
55°	9956	13453	10536	13453
60°	9122	12103	10091	12103
65°	8309	10892	9650	10892
70°	7544	9711	9007	9711
75°	6687	8390	7973	8390
80°	5755	6946	6425	6946
85°	5169	5169	3816	5169



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.7	1.9
10°-20°	371.4	5.6
20°-30°	539.0	8.2
30°-40°	568.8	8.6
40°-50°	503.6	7.6
50°-60°	401.9	6.1
60°-70°	273.2	4.1
70°-80°	140.0	2.1
80°-90°	38.5	0.6
90°-100°	209.6	3.2
100°-110°	711.1	10.8
110°-120°	755.5	11.4
120°-130°	621.9	9.4
130°-140°	499.4	7.6
140°-150°	377.4	5.7
150°-160°	265.2	4.0
160°-170°	156.1	2.4
170°-180°	50.8	0.8
0°-30°	1038.1	15.7
0°-40°	1606.9	24.3
0°-60°	2512.4	38.0
0°-90°	2964.1	44.8
90°-120°	1676.1	25.4
90°-150°	3174.8	48.0
90°-180°	3647.0	55.2
0°-180°	6611.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1341	1341	1341	1341	1341	
5°	1498	1345	1192	1345	1498	150
15°	1841	1270	884	1270	1841	508
25°	1534	1136	709	1136	1534	693
35°	835	933	589	933	835	543
45°	503	700	484	700	503	396
55°	354	478	374	478	354	317
65°	218	285	253	285	218	216
75°	107	134	128	134	107	115
85°	28	28	21	28	28	31
90°	33	1	33	1	33	19
95°	115	35	115	35	115	149
105°	1136	123	1136	123	1136	1099
115°	1495	217	1495	217	1495	1464
125°	1212	302	1212	302	1212	1096
135°	1005	355	1005	355	1005	781
145°	802	405	802	405	802	510
155°	674	461	674	461	674	315
165°	592	502	592	502	592	169
175°	533	523	533	523	533	52
180°	524	524	524	524	524	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1403.2	1403.6	1404.5	1397.9	1397.0	1397.0	1391.3	1386.3	1380.6	1372.7	1373.5
5°	1498.1	1503.8	1505.8	1499.6	1490.4	1489.3	1480.6	1466.1	1452.7	1441.9	1434.2
7.5°	1611.3	1613.6	1608.5	1600.3	1593.5	1581.1	1564.8	1548.8	1526.4	1505.9	1490.7
10°	1697.1	1700.2	1691.4	1679.6	1669.8	1655.4	1631.6	1607.4	1578.0	1549.6	1526.9
12.5°	1762.2	1769.9	1758.7	1757.1	1740.3	1720.5	1692.2	1680.0	1638.6	1599.1	1574.8
15°	1841.4	1840.9	1842.0	1832.2	1819.8	1816.6	1786.8	1754.3	1696.1	1672.8	1632.6
17.5°	1818.6	1826.3	1830.0	1829.9	1829.6	1827.7	1818.1	1797.6	1768.4	1730.7	1684.3
20°	1764.1	1774.4	1775.9	1787.9	1794.5	1803.3	1806.9	1801.2	1783.2	1751.7	1711.5
22.5°	1680.0	1682.8	1687.7	1706.2	1720.7	1742.6	1754.1	1773.2	1766.3	1750.9	1717.3
25°	1534.2	1529.0	1547.1	1556.3	1589.8	1624.9	1650.2	1678.0	1702.7	1717.7	1707.9
27.5°	1359.1	1351.4	1378.4	1403.0	1430.3	1468.2	1507.6	1554.1	1592.8	1641.1	1657.7
30°	1211.4	1216.1	1241.9	1268.2	1309.4	1363.0	1407.3	1458.4	1513.6	1567.7	1605.3
32.5°	1052.3	1070.2	1086.4	1126.7	1163.0	1222.8	1287.8	1351.6	1420.4	1481.9	1540.1
35°	835.2	855.8	878.5	907.9	958.9	1018.1	1081.6	1167.6	1261.5	1345.5	1414.6
37.5°	703.0	699.6	712.7	733.9	775.3	823.0	896.1	981.2	1091.6	1190.3	1287.8
40°	623.8	621.7	631.0	650.6	682.1	717.1	781.0	855.8	958.4	1078.9	1195.0
42.5°	569.4	570.6	575.7	589.6	611.1	640.0	687.8	751.4	845.4	959.0	1083.6
45°	503.1	506.8	512.4	519.2	531.5	555.2	582.0	627.4	701.7	796.5	919.2
47.5°	455.6	455.7	461.4	467.3	474.6	488.0	509.9	538.3	590.7	667.9	773.4
50°	429.9	426.4	430.5	435.0	442.8	452.1	466.6	493.3	528.4	590.8	678.9
52.5°	398.6	398.7	402.4	404.1	411.1	420.3	433.5	452.1	483.8	532.6	605.1
55°	353.7	356.2	358.3	361.3	367.6	374.3	384.6	397.0	421.7	458.3	511.9
57.5°	311.3	312.1	314.3	320.1	324.1	330.2	340.0	351.2	367.4	394.5	434.7
60°	282.5	282.5	286.6	289.2	294.4	300.5	308.3	319.1	333.6	355.7	388.2
62.5°	256.1	255.7	257.3	261.6	265.5	271.2	279.0	288.2	301.7	321.4	348.2
65°	217.5	216.5	219.6	220.7	224.8	230.5	236.6	246.4	257.2	271.7	295.4
67.5°	180.5	181.7	183.3	185.3	187.5	193.5	197.6	204.6	213.7	225.7	241.8
70°	159.8	159.8	159.8	161.4	164.4	167.5	171.7	177.3	186.1	196.4	210.9
72.5°	136.7	138.4	140.0	139.1	143.0	144.8	149.8	153.0	161.4	167.9	180.8
75°	107.2	107.2	107.2	109.8	111.4	112.9	116.0	119.1	123.2	131.5	138.1
77.5°	80.0	79.8	80.3	80.9	82.6	84.4	85.3	88.2	92.0	95.7	101.5
80°	61.9	62.9	63.4	64.4	64.4	65.4	65.9	69.6	72.2	74.7	78.4
82.5°	47.9	48.1	48.2	48.4	48.8	49.4	50.7	51.9	52.8	54.9	57.8
85°	27.9	27.4	27.4	28.4	27.9	27.9	28.9	29.9	29.9	30.4	31.9
87.5°	17.4	17.4	17.8	17.4	17.4	17.6	17.2	17.2	17.8	18.4	18.6
90°	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2	33.2	34.2	33.2
92.5°	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9	110.7	131.0	129.2
95°	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1	345.7	395.1	349.7
97.5°	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2	707.5	674.5	508.0
100°	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2	941.4	796.2	548.3
102.5°	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3	1028.4	800.2	533.0
105°	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6	1014.9	746.8	502.9
107.5°	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8	926.5	689.6	488.0
110°	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5	870.8	662.2	484.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8	832.1	644.4	485.5
115°	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4	784.2	624.9	489.8
117.5°	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1	753.9	615.4	497.1
120°	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8	737.8	609.8	501.9
122.5°	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0	724.1	606.5	507.6
125°	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4	704.5	600.7	516.0
127.5°	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2	686.4	597.2	524.7
130°	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0	674.3	595.6	531.2
132.5°	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6	664.6	594.8	537.6
135°	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6	651.1	593.6	545.2
137.5°	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0	641.6	593.4	552.1
140°	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4	636.0	592.6	555.3
142.5°	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0	630.4	592.6	557.7
145°	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1	622.9	590.6	560.4
147.5°	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8	615.2	587.0	561.2
150°	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0	608.7	584.6	560.4
152.5°	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1	603.1	580.6	558.8
155°	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8	592.6	573.5	556.3
157.5°	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4	582.8	566.2	551.7
160°	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5	575.5	561.4	549.3
162.5°	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8	569.1	557.3	546.8
165°	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4	558.4	549.3	542.2
167.5°	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7	547.9	542.2	537.6
170°	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2	542.2	538.2	535.2
172.5°	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0	536.6	533.4	532.0
175°	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2	529.2	528.2	527.1
177.5°	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5	524.9	524.1	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1376.4	1373.1	1371.1	1363.6	1357.1	1350.5	1348.4	1349.2	1340.2	1331.5	1327.8
5°	1430.1	1419.8	1410.0	1396.0	1379.6	1361.5	1352.2	1344.9	1327.0	1307.4	1296.1
7.5°	1478.1	1463.4	1444.5	1418.3	1394.3	1365.9	1347.9	1331.9	1305.5	1277.9	1260.9
10°	1507.4	1487.2	1463.0	1431.1	1401.7	1367.2	1342.9	1318.7	1287.8	1254.8	1234.2
12.5°	1532.6	1505.4	1481.6	1440.6	1405.8	1362.6	1333.8	1299.7	1267.2	1228.0	1207.8
15°	1592.5	1542.5	1497.0	1450.7	1407.9	1347.6	1315.7	1269.7	1226.9	1178.5	1155.3
17.5°	1638.7	1582.6	1511.1	1452.1	1402.2	1335.4	1288.5	1233.6	1183.0	1127.5	1096.0
20°	1665.2	1600.6	1523.9	1453.8	1393.9	1317.7	1266.7	1210.4	1151.1	1088.7	1054.7
22.5°	1680.8	1613.1	1537.1	1447.5	1377.5	1303.2	1239.0	1177.4	1117.3	1050.1	1014.3
25°	1685.8	1623.9	1543.5	1442.4	1356.9	1272.8	1195.5	1135.7	1063.0	1000.1	948.1
27.5°	1661.2	1616.9	1539.5	1432.7	1333.0	1234.8	1148.6	1080.9	1004.1	935.8	883.5
30°	1631.1	1605.3	1530.0	1422.8	1314.0	1208.4	1113.5	1036.7	960.4	891.3	837.7
32.5°	1584.5	1578.9	1512.8	1408.8	1293.8	1175.0	1076.8	999.2	914.6	846.8	795.7
35°	1493.0	1517.7	1475.9	1377.5	1255.8	1127.4	1021.3	932.6	845.0	780.0	732.1
37.5°	1370.3	1431.7	1420.8	1331.6	1204.5	1075.7	958.5	865.8	782.2	716.7	669.6
40°	1285.7	1364.0	1375.4	1296.6	1168.2	1035.7	911.4	819.2	737.7	677.9	630.5
42.5°	1195.0	1286.6	1317.7	1254.5	1128.5	993.6	869.4	773.8	693.2	635.0	593.0
45°	1042.9	1164.1	1220.2	1184.2	1062.5	924.3	796.5	699.5	626.3	571.7	539.3
47.5°	900.7	1033.1	1108.6	1095.9	989.0	852.1	725.8	632.8	561.5	517.9	488.8
50°	800.1	936.1	1027.4	1031.6	936.1	800.6	673.8	586.1	520.7	480.0	456.3
52.5°	712.7	842.5	942.1	963.9	877.2	747.0	627.2	540.0	482.3	444.8	423.6
55°	598.5	708.3	818.6	858.9	789.2	665.5	554.7	477.9	423.7	398.0	379.4
57.5°	497.6	589.2	691.1	735.5	692.6	586.6	482.7	416.1	372.1	349.5	335.3
60°	444.3	516.5	607.2	660.4	623.3	529.0	438.2	374.8	338.7	318.6	305.2
62.5°	394.9	458.8	535.5	584.1	563.9	474.9	393.6	337.7	306.5	287.6	278.0
65°	325.8	376.4	435.7	480.5	467.1	399.5	333.1	285.1	260.3	245.4	237.6
67.5°	268.3	304.8	345.9	385.2	374.4	326.5	273.2	235.8	217.3	204.5	199.9
70°	232.0	259.8	296.4	327.9	319.1	279.9	237.6	205.7	189.8	178.8	174.2
72.5°	197.3	220.3	248.1	273.9	267.9	235.4	200.2	176.0	163.7	153.7	149.9
75°	149.0	166.5	183.5	200.6	198.9	173.7	153.1	134.5	124.7	117.0	115.4
77.5°	110.0	119.8	131.4	141.5	138.7	124.2	108.1	97.5	90.2	85.0	84.2
80°	84.0	89.7	98.0	105.1	101.6	95.3	82.5	74.7	69.6	64.4	62.4
82.5°	60.9	66.7	71.6	75.4	72.7	67.0	59.0	53.7	50.6	47.2	46.3
85°	31.9	35.0	37.2	38.2	37.2	33.5	29.9	27.9	25.2	23.7	23.2
87.5°	17.8	16.4	15.3	15.7	13.9	13.5	11.1	9.3	9.5	9.9	9.4
90°	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0	4.0	8.1	10.1
92.5°	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3	17.8	25.0	29.4
95°	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2	39.3	49.4	58.5
97.5°	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5	62.9	73.6	87.3
100°	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6	80.6	89.7	105.8
102.5°	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1	98.4	107.4	123.6
105°	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0	127.0	134.0	149.2
107.5°	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0	155.2	162.1	176.0
110°	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4	175.4	181.4	194.5





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0	193.1	200.0	212.3
115°	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7	221.8	227.8	239.8
117.5°	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3	249.3	255.4	266.1
120°	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1	267.1	273.2	282.2
122.5°	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0	283.2	289.2	299.1
125°	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4	305.4	311.4	323.6
127.5°	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1	324.2	332.5	345.9
130°	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6	334.6	344.7	358.8
132.5°	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2	345.1	356.0	370.9
135°	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8	358.8	370.9	386.0
137.5°	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5	373.3	385.4	401.5
140°	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0	383.0	395.1	411.2
142.5°	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4	392.6	403.9	420.1
145°	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2	409.2	419.3	434.4
147.5°	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1	425.2	434.7	448.7
150°	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4	436.4	444.4	457.6
152.5°	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6	446.1	454.1	465.6
155°	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6	461.6	467.7	478.8
157.5°	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9	474.9	479.8	489.4
160°	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8	483.8	487.8	495.8
162.5°	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6	491.0	495.0	501.5
165°	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9	500.9	502.9	509.0
167.5°	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4	509.2	511.0	514.8
170°	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0	514.0	515.0	518.1
172.5°	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3	518.1	517.5	520.5
175°	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1	522.1	521.1	523.1
177.5°	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9	523.3	522.5	524.1
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1323.6	1321.2	1312.5	1308.0	1300.5	1293.5	1289.0	1291.1	1292.7	1291.9	1290.6
5°	1285.7	1275.9	1260.9	1248.1	1238.8	1221.7	1214.6	1210.9	1207.9	1204.3	1200.6
7.5°	1240.5	1225.1	1203.7	1185.3	1167.9	1146.8	1134.8	1127.5	1120.1	1112.0	1104.8
10°	1208.4	1186.7	1164.1	1138.2	1117.6	1098.5	1081.6	1070.3	1060.0	1050.2	1042.9
12.5°	1174.6	1149.6	1121.6	1086.3	1063.6	1036.3	1033.7	1013.7	997.6	991.6	983.1
15°	1120.7	1085.7	1050.2	1008.4	990.3	965.5	950.1	934.6	920.7	910.9	908.4
17.5°	1059.6	1014.2	978.9	948.9	919.3	893.9	879.7	867.3	855.9	842.7	841.0
20°	1013.0	973.8	935.1	908.9	878.5	852.6	835.2	822.7	812.9	805.3	798.5
22.5°	968.9	925.9	890.6	861.8	831.8	811.0	797.2	785.3	777.1	768.5	762.2
25°	898.1	864.5	825.9	793.3	768.6	755.3	743.9	733.6	728.4	722.8	715.6
27.5°	836.1	798.8	762.7	737.5	715.8	703.9	695.8	688.8	684.0	680.6	676.6
30°	792.3	754.7	726.4	701.7	683.6	671.8	666.6	662.5	656.8	654.7	652.7
32.5°	750.3	716.4	692.2	670.7	653.5	645.7	641.0	637.3	632.9	630.8	626.6
35°	690.7	662.5	638.7	626.8	613.0	606.2	602.7	597.4	593.4	591.3	590.8
37.5°	634.8	610.2	594.6	579.4	573.5	569.4	564.4	560.9	559.7	559.4	558.9
40°	598.5	578.5	564.5	552.1	549.6	543.3	539.3	536.1	536.1	536.6	536.1
42.5°	565.5	547.4	535.2	524.5	521.5	517.8	513.6	513.4	514.3	516.0	514.3
45°	515.5	502.6	493.8	488.7	483.0	479.4	478.9	480.5	481.0	481.5	483.0
47.5°	469.5	461.0	453.0	447.4	444.8	444.2	443.6	446.4	448.8	449.7	452.1
50°	442.3	432.5	425.9	422.2	420.1	419.1	420.1	423.2	425.3	427.9	429.4
52.5°	411.8	404.9	400.2	397.5	396.7	397.3	397.5	401.0	404.2	405.2	406.0
55°	369.6	364.5	363.5	358.8	360.8	360.3	362.9	365.0	368.1	371.1	371.7
57.5°	327.6	323.5	320.6	321.0	321.6	324.0	326.1	329.7	333.1	336.3	336.6
60°	299.5	297.4	295.9	295.9	296.9	300.0	302.7	306.2	308.3	310.3	311.8
62.5°	274.0	271.9	270.3	271.1	273.9	275.7	278.7	280.6	282.7	284.8	285.5
65°	233.5	232.5	234.1	235.1	235.6	238.1	241.8	243.3	245.4	246.4	250.0
67.5°	196.3	196.5	196.3	197.7	200.8	201.4	204.8	208.3	208.7	210.8	213.1
70°	171.2	172.2	173.2	174.2	176.8	177.8	180.5	182.0	184.0	185.6	187.1
72.5°	148.0	148.2	149.3	149.1	151.3	153.5	155.7	157.2	159.3	161.3	162.8
75°	113.9	113.9	114.9	115.4	118.1	120.7	120.1	121.2	123.2	125.2	126.3
77.5°	83.2	82.1	83.2	83.7	84.5	86.7	87.2	88.6	90.9	90.2	91.4
80°	63.4	61.9	63.4	63.9	63.9	66.6	66.6	67.6	69.1	67.6	69.1
82.5°	45.2	44.5	45.6	45.7	46.6	46.7	47.6	47.8	49.3	48.6	49.3
85°	22.7	22.2	22.7	22.2	22.7	23.2	23.2	22.7	22.7	23.7	22.2
87.5°	9.4	9.6	10.2	11.6	12.4	12.2	11.6	11.4	11.0	10.6	10.8
90°	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2	30.2	32.2	33.2
92.5°	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9	75.4	67.0	60.7
95°	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1	202.6	160.3	138.0
97.5°	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2	504.1	395.1	322.3
100°	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2	795.2	657.1	535.2
102.5°	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3	1091.2	990.2	860.9
105°	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6	1338.5	1351.6	1318.3
107.5°	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8	1320.3	1425.1	1473.9
110°	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5	1263.8	1392.9	1475.5



TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8	1197.0	1334.8	1429.6
115°	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4	1105.6	1237.7	1341.5
117.5°	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1	1031.5	1151.1	1248.6
120°	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8	992.8	1099.5	1191.3
122.5°	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0	960.5	1061.7	1144.6
125°	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4	918.2	1006.8	1082.5
127.5°	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2	877.1	960.7	1030.5
130°	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0	849.6	929.3	995.8
132.5°	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6	823.8	897.0	959.5
135°	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6	783.2	849.6	906.1
137.5°	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0	750.6	803.4	852.6
140°	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4	729.7	776.1	820.4
142.5°	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0	711.1	751.0	788.2
145°	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1	687.4	718.6	747.8
147.5°	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8	668.0	692.4	713.8
150°	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0	655.1	676.3	694.4
152.5°	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1	644.6	662.6	678.3
155°	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8	627.9	643.0	654.1
157.5°	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4	611.0	623.7	632.4
160°	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5	599.7	610.8	617.8
162.5°	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8	589.2	598.6	604.1
165°	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4	573.5	580.6	584.6
167.5°	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7	559.2	564.0	567.6
170°	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2	550.3	554.3	556.3
172.5°	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0	542.2	545.4	546.6
175°	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2	533.2	534.2	535.2
177.5°	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5	526.5	527.4	527.4
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1286.6	1285.7	1285.7	1282.0	1285.7	1285.7	1286.6	1290.6	1291.9	1292.7	1291.1
5°	1193.5	1191.8	1189.3	1191.8	1189.3	1191.8	1193.5	1200.6	1204.3	1207.9	1210.9
7.5°	1101.4	1095.2	1094.3	1088.1	1094.3	1095.2	1101.4	1104.8	1112.0	1120.1	1127.5
10°	1034.1	1030.0	1029.5	1019.7	1029.5	1030.0	1034.1	1042.9	1050.2	1060.0	1070.3
12.5°	983.0	973.1	975.0	969.4	975.0	973.1	983.0	983.1	991.6	997.6	1013.7
15°	894.4	894.4	892.3	883.6	892.3	894.4	894.4	908.4	910.9	920.7	934.6
17.5°	830.8	829.8	824.9	827.3	824.9	829.8	830.8	841.0	842.7	855.9	867.3
20°	792.8	789.8	783.6	783.6	783.6	789.8	792.8	798.5	805.3	812.9	822.7
22.5°	757.0	756.8	750.2	752.2	750.2	756.8	757.0	762.2	768.5	777.1	785.3
25°	715.0	710.9	707.8	709.3	707.8	710.9	715.0	715.6	722.8	728.4	733.6
27.5°	675.2	673.0	672.8	668.5	672.8	673.0	675.2	676.6	680.6	684.0	688.8
30°	652.2	647.0	648.0	645.4	648.0	647.0	652.2	652.7	654.7	656.8	662.5
32.5°	625.7	623.9	622.9	620.7	622.9	623.9	625.7	626.6	630.8	632.9	637.3
35°	589.8	590.3	587.7	588.8	587.7	590.3	589.8	590.8	591.3	593.4	597.4
37.5°	558.4	560.0	558.8	559.1	558.8	560.0	558.4	558.9	559.4	559.7	560.9
40°	537.7	537.7	537.7	539.3	537.7	537.7	537.7	536.1	536.6	536.1	536.1
42.5°	517.9	517.1	516.2	516.1	516.2	517.1	517.9	514.3	516.0	514.3	513.4
45°	484.0	485.6	486.1	483.5	486.1	485.6	484.0	483.0	481.5	481.0	480.5
47.5°	453.4	453.6	453.4	455.8	453.4	453.6	453.4	452.1	449.7	448.8	446.4
50°	432.0	431.0	432.0	431.0	432.0	431.0	432.0	429.4	427.9	425.3	423.2
52.5°	409.3	409.5	408.9	408.7	408.9	409.5	409.3	406.0	405.2	404.2	401.0
55°	373.8	374.8	374.3	374.3	374.3	374.8	373.8	371.7	371.1	368.1	365.0
57.5°	337.0	337.9	338.6	336.3	338.6	337.9	337.0	336.6	336.3	333.1	329.7
60°	311.3	314.0	313.5	312.5	313.5	314.0	311.3	311.8	310.3	308.3	306.2
62.5°	287.9	288.8	288.7	288.5	288.7	288.8	287.9	285.5	284.8	282.7	280.6
65°	251.6	252.6	251.1	252.6	251.1	252.6	251.6	250.0	246.4	245.4	243.3
67.5°	212.5	212.8	214.0	214.7	214.0	212.8	212.5	213.1	210.8	208.7	208.3
70°	188.1	187.6	189.1	190.8	189.1	187.6	188.1	187.1	185.6	184.0	182.0
72.5°	162.6	163.7	163.2	164.3	163.2	163.7	162.6	162.8	161.3	159.3	157.2
75°	125.2	126.8	126.3	127.8	126.3	126.8	125.2	126.3	125.2	123.2	121.2
77.5°	90.5	90.7	90.5	91.4	90.5	90.7	90.5	91.4	90.2	90.9	88.6
80°	69.1	68.1	67.1	69.1	67.1	68.1	69.1	69.1	67.6	69.1	67.6
82.5°	48.1	48.7	47.7	47.7	47.7	48.7	48.1	49.3	48.6	49.3	47.8
85°	22.2	21.6	20.6	20.6	20.6	21.6	22.2	22.2	23.7	22.7	22.7
87.5°	10.8	10.4	10.4	10.0	10.4	10.4	10.8	10.8	10.6	11.0	11.4
90°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2
92.5°	59.9	56.7	57.5	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9
95°	125.0	116.9	113.9	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1
97.5°	274.2	249.3	234.6	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2
100°	451.5	408.2	379.0	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2
102.5°	770.0	696.0	659.5	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3
105°	1255.8	1193.4	1149.9	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6
107.5°	1481.8	1478.3	1469.7	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8
110°	1518.8	1538.0	1547.1	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5



TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1489.9	1521.9	1539.0	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8
115°	1413.0	1459.4	1485.6	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4
117.5°	1321.5	1370.5	1398.2	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1
120°	1261.8	1309.2	1338.5	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8
122.5°	1207.8	1254.4	1280.4	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0
125°	1140.9	1179.2	1204.4	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4
127.5°	1081.5	1117.3	1139.1	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2
130°	1045.2	1079.4	1099.5	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0
132.5°	1008.0	1042.4	1060.9	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6
135°	949.4	982.7	1000.8	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6
137.5°	892.2	920.8	936.8	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0
140°	852.6	878.9	894.0	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4
142.5°	818.8	842.6	856.1	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0
145°	772.0	789.2	799.2	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1
147.5°	733.8	747.4	754.3	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8
150°	709.5	721.6	727.7	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0
152.5°	690.1	700.6	705.1	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1
155°	665.2	672.3	676.3	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8
157.5°	640.2	646.0	647.8	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4
160°	624.9	630.0	631.0	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5
162.5°	611.2	614.6	615.6	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8
165°	588.5	592.6	592.6	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4
167.5°	569.5	571.7	571.5	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7
170°	557.3	560.4	559.4	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2
172.5°	547.6	549.1	548.1	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0
175°	535.2	536.2	535.2	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2
177.5°	527.4	527.4	526.5	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331359-840  
 CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1289.0	1293.5	1300.5	1308.0	1312.5	1321.2	1323.6	1327.8	1331.5	1340.2	1349.2
5°	1214.6	1221.7	1238.8	1248.1	1260.9	1275.9	1285.7	1296.1	1307.4	1327.0	1344.9
7.5°	1134.8	1146.8	1167.9	1185.3	1203.7	1225.1	1240.5	1260.9	1277.9	1305.5	1331.9
10°	1081.6	1098.5	1117.6	1138.2	1164.1	1186.7	1208.4	1234.2	1254.8	1287.8	1318.7
12.5°	1033.7	1036.3	1063.6	1086.3	1121.6	1149.6	1174.6	1207.8	1228.0	1267.2	1299.7
15°	950.1	965.5	990.3	1008.4	1050.2	1085.7	1120.7	1155.3	1178.5	1226.9	1269.7
17.5°	879.7	893.9	919.3	948.9	978.9	1014.2	1059.6	1096.0	1127.5	1183.0	1233.6
20°	835.2	852.6	878.5	908.9	935.1	973.8	1013.0	1054.7	1088.7	1151.1	1210.4
22.5°	797.2	811.0	831.8	861.8	890.6	925.9	968.9	1014.3	1050.1	1117.3	1177.4
25°	743.9	755.3	768.6	793.3	825.9	864.5	898.1	948.1	1000.1	1063.0	1135.7
27.5°	695.8	703.9	715.8	737.5	762.7	798.8	836.1	883.5	935.8	1004.1	1080.9
30°	666.6	671.8	683.6	701.7	726.4	754.7	792.3	837.7	891.3	960.4	1036.7
32.5°	641.0	645.7	653.5	670.7	692.2	716.4	750.3	795.7	846.8	914.6	999.2
35°	602.7	606.2	613.0	626.8	638.7	662.5	690.7	732.1	780.0	845.0	932.6
37.5°	564.4	569.4	573.5	579.4	594.6	610.2	634.8	669.6	716.7	782.2	865.8
40°	539.3	543.3	549.6	552.1	564.5	578.5	598.5	630.5	677.9	737.7	819.2
42.5°	513.6	517.8	521.5	524.5	535.2	547.4	565.5	593.0	635.0	693.2	773.8
45°	478.9	479.4	483.0	488.7	493.8	502.6	515.5	539.3	571.7	626.3	699.5
47.5°	443.6	444.2	444.8	447.4	453.0	461.0	469.5	488.8	517.9	561.5	632.8
50°	420.1	419.1	420.1	422.2	425.9	432.5	442.3	456.3	480.0	520.7	586.1
52.5°	397.5	397.3	396.7	397.5	400.2	404.9	411.8	423.6	444.8	482.3	540.0
55°	362.9	360.3	360.8	358.8	363.5	364.5	369.6	379.4	398.0	423.7	477.9
57.5°	326.1	324.0	321.6	321.0	320.6	323.5	327.6	335.3	349.5	372.1	416.1
60°	302.7	300.0	296.9	295.9	295.9	297.4	299.5	305.2	318.6	338.7	374.8
62.5°	278.7	275.7	273.9	271.1	270.3	271.9	274.0	278.0	287.6	306.5	337.7
65°	241.8	238.1	235.6	235.1	234.1	232.5	233.5	237.6	245.4	260.3	285.1
67.5°	204.8	201.4	200.8	197.7	196.3	196.5	196.3	199.9	204.5	217.3	235.8
70°	180.5	177.8	176.8	174.2	173.2	172.2	171.2	174.2	178.8	189.8	205.7
72.5°	155.7	153.5	151.3	149.1	149.3	148.2	148.0	149.9	153.7	163.7	176.0
75°	120.1	120.7	118.1	115.4	114.9	113.9	113.9	115.4	117.0	124.7	134.5
77.5°	87.2	86.7	84.5	83.7	83.2	82.1	83.2	84.2	85.0	90.2	97.5
80°	66.6	66.6	63.9	63.9	63.4	61.9	63.4	62.4	64.4	69.6	74.7
82.5°	47.6	46.7	46.6	45.7	45.6	44.5	45.2	46.3	47.2	50.6	53.7
85°	23.2	23.2	22.7	22.2	22.7	22.2	22.7	23.2	23.7	25.2	27.9
87.5°	11.6	12.2	12.4	11.6	10.2	9.6	9.4	9.4	9.9	9.5	9.3
90°	33.2	34.2	33.2	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0
92.5°	110.7	131.0	129.2	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3
95°	345.7	395.1	349.7	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2
97.5°	707.5	674.5	508.0	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5
100°	941.4	796.2	548.3	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6
102.5°	1028.4	800.2	533.0	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1
105°	1014.9	746.8	502.9	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0
107.5°	926.5	689.6	488.0	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0
110°	870.8	662.2	484.8	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4



TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	832.1	644.4	485.5	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0
115°	784.2	624.9	489.8	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7
117.5°	753.9	615.4	497.1	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3
120°	737.8	609.8	501.9	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1
122.5°	724.1	606.5	507.6	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0
125°	704.5	600.7	516.0	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4
127.5°	686.4	597.2	524.7	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1
130°	674.3	595.6	531.2	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6
132.5°	664.6	594.8	537.6	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2
135°	651.1	593.6	545.2	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8
137.5°	641.6	593.4	552.1	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5
140°	636.0	592.6	555.3	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0
142.5°	630.4	592.6	557.7	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4
145°	622.9	590.6	560.4	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2
147.5°	615.2	587.0	561.2	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1
150°	608.7	584.6	560.4	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4
152.5°	603.1	580.6	558.8	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6
155°	592.6	573.5	556.3	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6
157.5°	582.8	566.2	551.7	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9
160°	575.5	561.4	549.3	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8
162.5°	569.1	557.3	546.8	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6
165°	558.4	549.3	542.2	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9
167.5°	547.9	542.2	537.6	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4
170°	542.2	538.2	535.2	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0
172.5°	536.6	533.4	532.0	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3
175°	529.2	528.2	527.1	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1
177.5°	524.9	524.1	524.9	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1





TEST NUMBER: P331359-840

CATALOG NUMBER: SA2XXDIP-C675D925U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1348.4	1350.5	1357.1	1363.6	1371.1	1373.1	1376.4	1373.5	1372.7	1380.6	1386.3
5°	1352.2	1361.5	1379.6	1396.0	1410.0	1419.8	1430.1	1434.2	1441.9	1452.7	1466.1
7.5°	1347.9	1365.9	1394.3	1418.3	1444.5	1463.4	1478.1	1490.7	1505.9	1526.4	1548.8
10°	1342.9	1367.2	1401.7	1431.1	1463.0	1487.2	1507.4	1526.9	1549.6	1578.0	1607.4
12.5°	1333.8	1362.6	1405.8	1440.6	1481.6	1505.4	1532.6	1574.8	1599.1	1638.6	1680.0
15°	1315.7	1347.6	1407.9	1450.7	1497.0	1542.5	1592.5	1632.6	1672.8	1696.1	1754.3
17.5°	1288.5	1335.4	1402.2	1452.1	1511.1	1582.6	1638.7	1684.3	1730.7	1768.4	1797.6
20°	1266.7	1317.7	1393.9	1453.8	1523.9	1600.6	1665.2	1711.5	1751.7	1783.2	1801.2
22.5°	1239.0	1303.2	1377.5	1447.5	1537.1	1613.1	1680.8	1717.3	1750.9	1766.3	1773.2
25°	1195.5	1272.8	1356.9	1442.4	1543.5	1623.9	1685.8	1707.9	1717.7	1702.7	1678.0
27.5°	1148.6	1234.8	1333.0	1432.7	1539.5	1616.9	1661.2	1657.7	1641.1	1592.8	1554.1
30°	1113.5	1208.4	1314.0	1422.8	1530.0	1605.3	1631.1	1605.3	1567.7	1513.6	1458.4
32.5°	1076.8	1175.0	1293.8	1408.8	1512.8	1578.9	1584.5	1540.1	1481.9	1420.4	1351.6
35°	1021.3	1127.4	1255.8	1377.5	1475.9	1517.7	1493.0	1414.6	1345.5	1261.5	1167.6
37.5°	958.5	1075.7	1204.5	1331.6	1420.8	1431.7	1370.3	1287.8	1190.3	1091.6	981.2
40°	911.4	1035.7	1168.2	1296.6	1375.4	1364.0	1285.7	1195.0	1078.9	958.4	855.8
42.5°	869.4	993.6	1128.5	1254.5	1317.7	1286.6	1195.0	1083.6	959.0	845.4	751.4
45°	796.5	924.3	1062.5	1184.2	1220.2	1164.1	1042.9	919.2	796.5	701.7	627.4
47.5°	725.8	852.1	989.0	1095.9	1108.6	1033.1	900.7	773.4	667.9	590.7	538.3
50°	673.8	800.6	936.1	1031.6	1027.4	936.1	800.1	678.9	590.8	528.4	493.3
52.5°	627.2	747.0	877.2	963.9	942.1	842.5	712.7	605.1	532.6	483.8	452.1
55°	554.7	665.5	789.2	858.9	818.6	708.3	598.5	511.9	458.3	421.7	397.0
57.5°	482.7	586.6	692.6	735.5	691.1	589.2	497.6	434.7	394.5	367.4	351.2
60°	438.2	529.0	623.3	660.4	607.2	516.5	444.3	388.2	355.7	333.6	319.1
62.5°	393.6	474.9	563.9	584.1	535.5	458.8	394.9	348.2	321.4	301.7	288.2
65°	333.1	399.5	467.1	480.5	435.7	376.4	325.8	295.4	271.7	257.2	246.4
67.5°	273.2	326.5	374.4	385.2	345.9	304.8	268.3	241.8	225.7	213.7	204.6
70°	237.6	279.9	319.1	327.9	296.4	259.8	232.0	210.9	196.4	186.1	177.3
72.5°	200.2	235.4	267.9	273.9	248.1	220.3	197.3	180.8	167.9	161.4	153.0
75°	153.1	173.7	198.9	200.6	183.5	166.5	149.0	138.1	131.5	123.2	119.1
77.5°	108.1	124.2	138.7	141.5	131.4	119.8	110.0	101.5	95.7	92.0	88.2
80°	82.5	95.3	101.6	105.1	98.0	89.7	84.0	78.4	74.7	72.2	69.6
82.5°	59.0	67.0	72.7	75.4	71.6	66.7	60.9	57.8	54.9	52.8	51.9
85°	29.9	33.5	37.2	38.2	37.2	35.0	31.9	31.9	30.4	29.9	29.9
87.5°	11.1	13.5	13.9	15.7	15.3	16.4	17.8	18.6	18.4	17.8	17.2
90°	4.0	8.1	10.1	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2
92.5°	17.8	25.0	29.4	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9
95°	39.3	49.4	58.5	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1
97.5°	62.9	73.6	87.3	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2
100°	80.6	89.7	105.8	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2
102.5°	98.4	107.4	123.6	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3
105°	127.0	134.0	149.2	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6
107.5°	155.2	162.1	176.0	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8
110°	175.4	181.4	194.5	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	193.1	200.0	212.3	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8
115°	221.8	227.8	239.8	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4
117.5°	249.3	255.4	266.1	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1
120°	267.1	273.2	282.2	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8
122.5°	283.2	289.2	299.1	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0
125°	305.4	311.4	323.6	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4
127.5°	324.2	332.5	345.9	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2
130°	334.6	344.7	358.8	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0
132.5°	345.1	356.0	370.9	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6
135°	358.8	370.9	386.0	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6
137.5°	373.3	385.4	401.5	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0
140°	383.0	395.1	411.2	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4
142.5°	392.6	403.9	420.1	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0
145°	409.2	419.3	434.4	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1
147.5°	425.2	434.7	448.7	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8
150°	436.4	444.4	457.6	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0
152.5°	446.1	454.1	465.6	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1
155°	461.6	467.7	478.8	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8
157.5°	474.9	479.8	489.4	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4
160°	483.8	487.8	495.8	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5
162.5°	491.0	495.0	501.5	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8
165°	500.9	502.9	509.0	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4
167.5°	509.2	511.0	514.8	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7
170°	514.0	515.0	518.1	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2
172.5°	518.1	517.5	520.5	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0
175°	522.1	521.1	523.1	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2
177.5°	523.3	522.5	524.1	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1391.3	1397.0	1397.0	1397.9	1404.5	1403.6	1403.2
5°	1480.6	1489.3	1490.4	1499.6	1505.8	1503.8	1498.1
7.5°	1564.8	1581.1	1593.5	1600.3	1608.5	1613.6	1611.3
10°	1631.6	1655.4	1669.8	1679.6	1691.4	1700.2	1697.1
12.5°	1692.2	1720.5	1740.3	1757.1	1758.7	1769.9	1762.2
15°	1786.8	1816.6	1819.8	1832.2	1842.0	1840.9	1841.4
17.5°	1818.1	1827.7	1829.6	1829.9	1830.0	1826.3	1818.6
20°	1806.9	1803.3	1794.5	1787.9	1775.9	1774.4	1764.1
22.5°	1754.1	1742.6	1720.7	1706.2	1687.7	1682.8	1680.0
25°	1650.2	1624.9	1589.8	1556.3	1547.1	1529.0	1534.2
27.5°	1507.6	1468.2	1430.3	1403.0	1378.4	1351.4	1359.1
30°	1407.3	1363.0	1309.4	1268.2	1241.9	1216.1	1211.4
32.5°	1287.8	1222.8	1163.0	1126.7	1086.4	1070.2	1052.3
35°	1081.6	1018.1	958.9	907.9	878.5	855.8	835.2
37.5°	896.1	823.0	775.3	733.9	712.7	699.6	703.0
40°	781.0	717.1	682.1	650.6	631.0	621.7	623.8
42.5°	687.8	640.0	611.1	589.6	575.7	570.6	569.4
45°	582.0	555.2	531.5	519.2	512.4	506.8	503.1
47.5°	509.9	488.0	474.6	467.3	461.4	455.7	455.6
50°	466.6	452.1	442.8	435.0	430.5	426.4	429.9
52.5°	433.5	420.3	411.1	404.1	402.4	398.7	398.6
55°	384.6	374.3	367.6	361.3	358.3	356.2	353.7
57.5°	340.0	330.2	324.1	320.1	314.3	312.1	311.3
60°	308.3	300.5	294.4	289.2	286.6	282.5	282.5
62.5°	279.0	271.2	265.5	261.6	257.3	255.7	256.1
65°	236.6	230.5	224.8	220.7	219.6	216.5	217.5
67.5°	197.6	193.5	187.5	185.3	183.3	181.7	180.5
70°	171.7	167.5	164.4	161.4	159.8	159.8	159.8
72.5°	149.8	144.8	143.0	139.1	140.0	138.4	136.7
75°	116.0	112.9	111.4	109.8	107.2	107.2	107.2
77.5°	85.3	84.4	82.6	80.9	80.3	79.8	80.0
80°	65.9	65.4	64.4	64.4	63.4	62.9	61.9
82.5°	50.7	49.4	48.8	48.4	48.2	48.1	47.9
85°	28.9	27.9	27.9	28.4	27.4	27.4	27.9
87.5°	17.2	17.6	17.4	17.4	17.8	17.4	17.4
90°	30.2	32.2	33.2	33.2	33.2	33.2	33.2
92.5°	75.4	67.0	60.7	59.9	56.7	57.5	55.8
95°	202.6	160.3	138.0	125.0	116.9	113.9	114.9
97.5°	504.1	395.1	322.3	274.2	249.3	234.6	226.2
100°	795.2	657.1	535.2	451.5	408.2	379.0	360.8
102.5°	1091.2	990.2	860.9	770.0	696.0	659.5	635.0
105°	1338.5	1351.6	1318.3	1255.8	1193.4	1149.9	1135.9
107.5°	1320.3	1425.1	1473.9	1481.8	1478.3	1469.7	1451.0
110°	1263.8	1392.9	1475.5	1518.8	1538.0	1547.1	1546.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1197.0	1334.8	1429.6	1489.9	1521.9	1539.0	1544.5
115°	1105.6	1237.7	1341.5	1413.0	1459.4	1485.6	1494.7
117.5°	1031.5	1151.1	1248.6	1321.5	1370.5	1398.2	1405.7
120°	992.8	1099.5	1191.3	1261.8	1309.2	1338.5	1348.6
122.5°	960.5	1061.7	1144.6	1207.8	1254.4	1280.4	1288.9
125°	918.2	1006.8	1082.5	1140.9	1179.2	1204.4	1212.4
127.5°	877.1	960.7	1030.5	1081.5	1117.3	1139.1	1145.6
130°	849.6	929.3	995.8	1045.2	1079.4	1099.5	1107.6
132.5°	823.8	897.0	959.5	1008.0	1042.4	1060.9	1068.1
135°	783.2	849.6	906.1	949.4	982.7	1000.8	1004.8
137.5°	750.6	803.4	852.6	892.2	920.8	936.8	942.8
140°	729.7	776.1	820.4	852.6	878.9	894.0	900.0
142.5°	711.1	751.0	788.2	818.8	842.6	856.1	857.3
145°	687.4	718.6	747.8	772.0	789.2	799.2	802.2
147.5°	668.0	692.4	713.8	733.8	747.4	754.3	756.1
150°	655.1	676.3	694.4	709.5	721.6	727.7	728.7
152.5°	644.6	662.6	678.3	690.1	700.6	705.1	705.3
155°	627.9	643.0	654.1	665.2	672.3	676.3	674.3
157.5°	611.0	623.7	632.4	640.2	646.0	647.8	647.8
160°	599.7	610.8	617.8	624.9	630.0	631.0	631.0
162.5°	589.2	598.6	604.1	611.2	614.6	615.6	614.8
165°	573.5	580.6	584.6	588.5	592.6	592.6	591.6
167.5°	559.2	564.0	567.6	569.5	571.7	571.5	570.3
170°	550.3	554.3	556.3	557.3	560.4	559.4	557.3
172.5°	542.2	545.4	546.6	547.6	549.1	548.1	546.8
175°	533.2	534.2	535.2	535.2	536.2	535.2	533.2
177.5°	526.5	527.4	527.4	527.4	527.4	526.5	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1

(END OF REPORT)