

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: P331695-830

Luminaire Tested: **SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331695-830
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-C675D925U830-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

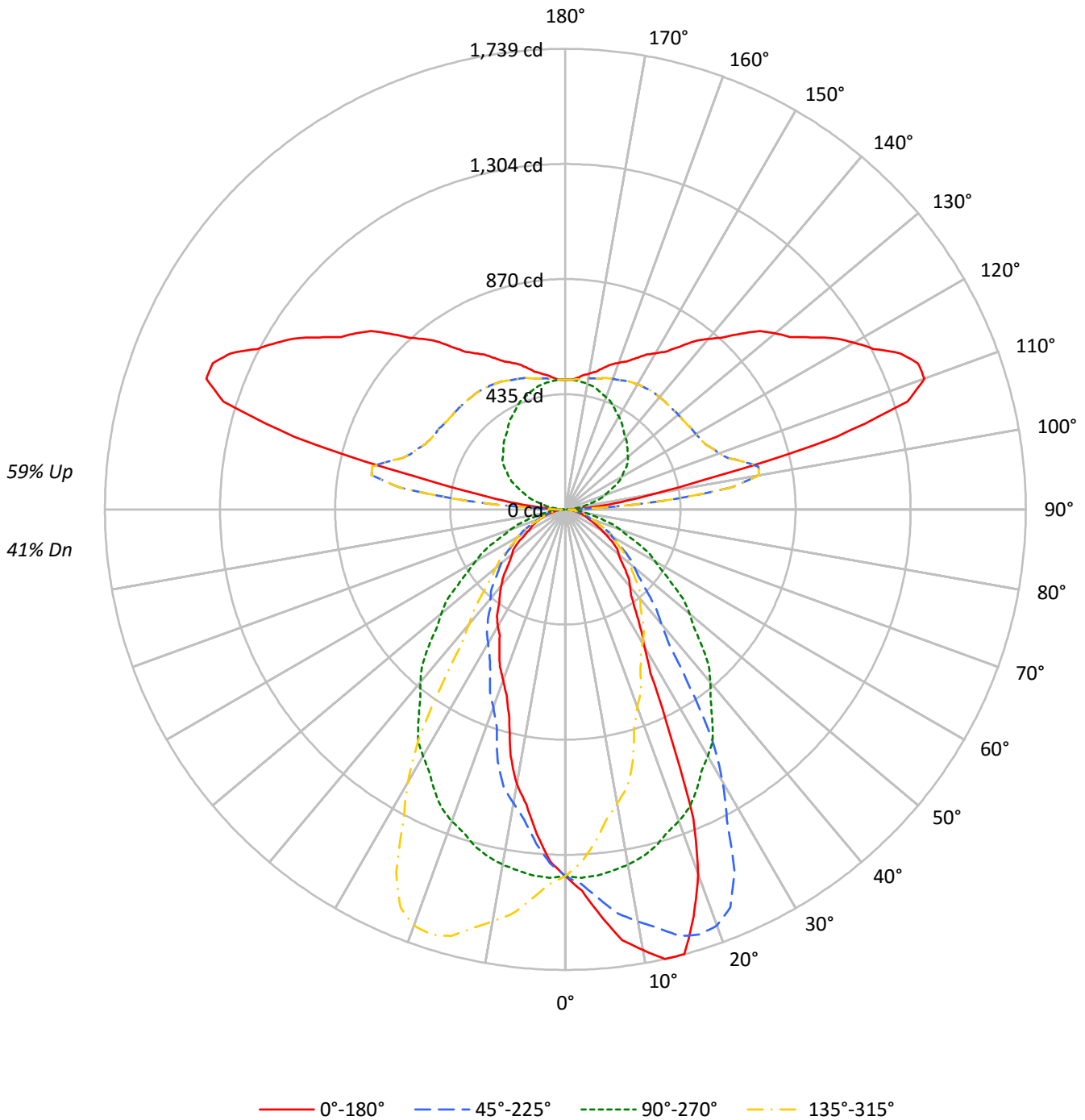
Lumens per Lamp: N/A
Luminaire Lumens: 5801.3 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	89	86	88	85	81	79	70	68	66	56	55	53	43	43	42	36
2	88	81	76	71	80	75	70	66	62	58	55	50	48	46	39	38	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	69	58	50	44	63	53	47	42	45	40	36	37	33	30	29	27	25	21
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	37	30	26	31	26	23	26	22	20	21	19	17	15
10	48	36	29	25	44	34	28	23	29	24	21	24	21	18	20	17	15	13

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	2.3
10°-20°	365.7	6.3
20°-30°	471.3	8.1
30°-40°	447.9	7.7
40°-50°	383.7	6.6
50°-60°	292.2	5.0
60°-70°	184.7	3.2
70°-80°	92.2	1.6
80°-90°	28.4	0.5
90°-100°	195.6	3.4
100°-110°	663.7	11.4
110°-120°	705.1	12.2
120°-130°	580.4	10.0
130°-140°	466.1	8.0
140°-150°	352.2	6.1
150°-160°	247.5	4.3
160°-170°	145.7	2.5
170°-180°	47.4	0.8
0°-30°	968.3	16.7
0°-40°	1416.2	24.4
0°-60°	2092.1	36.1
0°-90°	2397.4	41.3
90°-120°	1564.4	27.0
90°-150°	2963.2	51.1
90°-180°	3404.0	58.7
0°-180°	5801.3	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°	31	1	31	1	31	17
95°	107	33	107	33	107	139
105°	1060	115	1060	115	1060	1026
115°	1395	202	1395	202	1395	1366
125°	1132	282	1132	282	1132	1023
135°	938	331	938	331	938	729
145°	749	378	749	378	749	476
155°	629	430	629	430	629	294
165°	552	468	552	468	552	158
175°	498	488	498	488	498	48
180°	489	489	489	489	489	



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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°	12.3	12.7	12.7	12.7	12.7	12.5	12.2	12.9	12.7	13.3	12.7
90°	31.0	31.0	31.0	31.0	31.0	30.1	28.2	30.1	31.0	32.0	31.0
92.5°	52.1	53.6	52.9	55.9	56.6	62.5	70.4	82.0	103.3	122.2	120.6
95°	107.3	106.3	109.1	116.7	128.8	149.6	189.1	246.5	322.6	368.7	326.4
97.5°	211.1	219.0	232.7	255.9	300.9	368.7	470.5	575.1	660.3	629.5	474.1
100°	336.8	353.7	381.0	421.4	499.5	613.3	742.2	858.8	878.6	743.1	511.7
102.5°	592.7	615.6	649.6	718.7	803.5	924.2	1018.4	1044.7	959.9	746.9	497.5
105°	1060.2	1073.3	1113.8	1172.1	1230.4	1261.5	1249.2	1142.9	947.3	697.0	469.4
107.5°	1354.2	1371.7	1379.8	1383.0	1375.6	1330.1	1232.3	1072.2	864.7	643.7	455.4
110°	1443.0	1444.0	1435.5	1417.6	1377.1	1300.0	1179.6	1011.3	812.8	618.0	452.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1441.5	1436.4	1420.4	1390.5	1334.3	1245.9	1117.2	955.5	776.7	601.4	453.2
115°	1395.1	1386.6	1362.1	1318.8	1252.1	1155.2	1031.9	887.0	731.9	583.2	457.1
117.5°	1312.0	1305.0	1279.1	1233.4	1165.4	1074.4	962.7	835.5	703.6	574.4	463.9
120°	1258.7	1249.2	1221.9	1177.7	1111.9	1026.2	926.6	809.9	688.6	569.1	468.4
122.5°	1203.0	1195.0	1170.7	1127.3	1068.3	990.9	896.5	789.6	675.8	566.1	473.7
125°	1131.6	1124.1	1100.6	1064.9	1010.3	939.7	857.0	760.1	657.5	560.6	481.6
127.5°	1069.2	1063.2	1042.8	1009.4	961.8	896.6	818.6	730.9	640.6	557.4	489.7
130°	1033.8	1026.2	1007.5	975.5	929.4	867.3	793.0	712.1	629.3	555.9	495.8
132.5°	996.9	990.1	972.9	940.8	895.5	837.2	768.9	694.0	620.3	555.2	501.7
135°	937.8	934.1	917.2	886.1	845.6	793.0	730.9	668.8	607.7	554.0	508.9
137.5°	880.0	874.3	859.4	832.7	795.8	749.9	700.6	648.7	598.8	553.8	515.3
140°	840.0	834.4	820.3	795.8	765.7	724.3	681.1	635.9	593.6	553.1	518.3
142.5°	800.1	799.0	786.5	764.2	735.7	701.0	663.7	625.4	588.3	553.1	520.6
145°	748.8	745.9	736.6	720.6	698.0	670.7	641.6	610.5	581.4	551.2	523.0
147.5°	705.7	704.0	697.6	684.9	666.2	646.2	623.5	599.0	574.2	547.9	523.8
150°	680.1	679.2	673.5	662.2	648.1	631.2	611.4	590.8	568.2	545.6	523.0
152.5°	658.3	658.1	653.9	644.1	633.1	618.4	601.6	582.5	562.9	541.9	521.5
155°	629.3	631.2	627.5	620.9	610.5	600.1	586.1	571.0	553.1	535.3	519.2
157.5°	604.6	604.6	602.9	597.5	590.2	582.1	570.2	557.6	543.9	528.5	514.9
160°	588.9	588.9	588.0	583.2	576.6	570.0	559.7	549.3	537.2	524.0	512.6
162.5°	573.8	574.6	573.6	570.4	563.8	558.7	549.9	541.1	531.1	520.2	510.4
165°	552.1	553.1	553.1	549.3	545.6	541.9	535.3	528.7	521.1	512.6	506.1
167.5°	532.3	533.4	533.6	531.5	529.8	526.4	521.9	516.8	511.3	506.1	501.7
170°	520.2	522.1	523.0	520.2	519.2	517.4	513.6	510.8	506.1	502.3	499.5
172.5°	510.4	511.5	512.5	511.1	510.2	509.1	506.1	504.0	500.9	497.9	496.5
175°	497.7	499.5	500.5	499.5	499.5	498.6	497.7	496.7	493.9	492.9	492.0
177.5°	489.9	491.4	492.2	492.2	492.2	492.2	491.4	491.4	489.9	489.2	489.9
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



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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°	11.6	10.7	9.7	8.8	8.8	8.9	10.0	11.3	10.4	10.0	9.6
90°	25.4	18.9	14.1	11.3	9.4	7.5	3.8	0.9	3.8	7.5	9.4
92.5°	93.9	64.0	42.7	33.8	27.4	23.4	16.6	11.5	16.6	23.4	27.4
95°	217.3	135.4	92.2	69.7	54.6	46.1	36.7	32.9	36.7	46.1	54.6
97.5°	292.8	178.7	124.3	98.8	81.4	68.7	58.7	53.6	58.7	68.7	81.4
100°	308.6	193.8	143.9	117.6	98.8	83.7	75.2	72.4	75.2	83.7	98.8
102.5°	309.3	207.4	161.3	134.9	115.4	100.3	91.8	89.7	91.8	100.3	115.4
105°	314.1	230.5	186.2	159.9	139.2	125.1	118.6	114.8	118.6	125.1	139.2
107.5°	327.2	254.2	211.3	184.7	164.3	151.3	144.9	141.9	144.9	151.3	164.3
110°	337.7	269.9	228.6	201.3	181.5	169.3	163.7	159.9	163.7	169.3	181.5



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	349.0	285.0	245.2	217.1	198.1	186.6	180.2	176.4	180.2	186.6	198.1
115°	365.9	308.6	268.1	242.7	223.9	212.6	207.0	202.3	207.0	212.6	223.9
117.5°	384.0	330.2	292.8	266.4	248.4	238.4	232.7	228.9	232.7	238.4	248.4
120°	396.1	345.3	308.6	282.2	263.3	255.0	249.3	245.5	249.3	255.0	263.3
122.5°	406.5	359.5	325.1	298.0	279.2	269.9	264.3	261.4	264.3	269.9	279.2
125°	423.3	381.0	347.1	320.7	302.0	290.7	285.0	282.2	285.0	290.7	302.0
127.5°	438.9	401.0	368.0	340.9	322.8	310.4	302.6	298.8	302.6	310.4	322.8
130°	448.7	412.9	380.0	353.7	334.9	321.7	312.3	308.6	312.3	321.7	334.9
132.5°	458.5	423.5	392.1	365.7	346.2	332.2	322.1	317.5	322.1	332.2	346.2
135°	471.3	438.4	408.2	381.9	360.2	346.2	334.9	331.1	334.9	346.2	360.2
137.5°	481.1	450.4	420.7	396.2	374.8	359.7	348.5	343.9	348.5	359.7	374.8
140°	486.4	457.1	429.0	404.5	383.8	368.7	357.5	353.7	357.5	368.7	383.8
142.5°	490.9	462.4	435.0	412.0	392.1	377.0	366.5	363.4	366.5	377.0	392.1
145°	496.7	470.3	445.0	424.2	405.5	391.3	381.9	378.1	381.9	391.3	405.5
147.5°	499.9	476.7	452.9	434.4	418.8	405.8	396.8	394.0	396.8	405.8	418.8
150°	501.3	479.8	458.1	441.2	427.1	414.8	407.3	404.5	407.3	414.8	427.1
152.5°	502.1	482.8	463.4	448.0	434.6	423.9	416.3	415.0	416.3	423.9	434.6
155°	503.2	487.3	471.3	457.1	446.9	436.5	430.8	429.9	430.8	436.5	446.9
157.5°	503.2	490.5	476.9	465.1	456.8	447.8	443.3	442.3	443.3	447.8	456.8
160°	503.2	492.0	480.7	470.3	462.8	455.2	451.6	450.6	451.6	455.2	462.8
162.5°	502.5	492.8	483.0	474.9	468.1	462.0	458.3	458.8	458.3	462.0	468.1
165°	500.5	493.9	485.4	479.8	475.0	469.4	467.5	468.4	467.5	469.4	475.0
167.5°	499.2	493.7	487.5	483.9	480.5	476.9	475.2	476.4	475.2	476.9	480.5
170°	497.7	492.9	488.2	485.4	483.5	480.7	479.8	481.6	479.8	480.7	483.5
172.5°	495.4	492.2	489.0	486.9	485.8	483.0	483.5	484.7	483.5	483.0	485.8
175°	492.9	491.1	489.2	488.2	488.2	486.4	487.3	488.2	487.3	486.4	488.2
177.5°	491.4	489.9	489.2	489.2	489.2	487.7	488.4	489.9	488.4	487.7	489.2
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



TEST NUMBER: P331695-830
 CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

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°	9.6	9.7	9.9	11.2	12.3	12.2	12.0	11.4	11.0	11.4	11.2
90°	11.3	14.1	18.9	25.4	31.0	32.0	31.0	30.1	28.2	30.1	31.0
92.5°	33.8	42.7	64.0	93.9	120.6	122.2	103.3	82.0	70.4	62.5	56.6
95°	69.7	92.2	135.4	217.3	326.4	368.7	322.6	246.5	189.1	149.6	128.8
97.5°	98.8	124.3	178.7	292.8	474.1	629.5	660.3	575.1	470.5	368.7	300.9
100°	117.6	143.9	193.8	308.6	511.7	743.1	878.6	858.8	742.2	613.3	499.5
102.5°	134.9	161.3	207.4	309.3	497.5	746.9	959.9	1044.7	1018.4	924.2	803.5
105°	159.9	186.2	230.5	314.1	469.4	697.0	947.3	1142.9	1249.2	1261.5	1230.4
107.5°	184.7	211.3	254.2	327.2	455.4	643.7	864.7	1072.2	1232.3	1330.1	1375.6
110°	201.3	228.6	269.9	337.7	452.5	618.0	812.8	1011.3	1179.6	1300.0	1377.1



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.1	245.2	285.0	349.0	453.2	601.4	776.7	955.5	1117.2	1245.9	1334.3
115°	242.7	268.1	308.6	365.9	457.1	583.2	731.9	887.0	1031.9	1155.2	1252.1
117.5°	266.4	292.8	330.2	384.0	463.9	574.4	703.6	835.5	962.7	1074.4	1165.4
120°	282.2	308.6	345.3	396.1	468.4	569.1	688.6	809.9	926.6	1026.2	1111.9
122.5°	298.0	325.1	359.5	406.5	473.7	566.1	675.8	789.6	896.5	990.9	1068.3
125°	320.7	347.1	381.0	423.3	481.6	560.6	657.5	760.1	857.0	939.7	1010.3
127.5°	340.9	368.0	401.0	438.9	489.7	557.4	640.6	730.9	818.6	896.6	961.8
130°	353.7	380.0	412.9	448.7	495.8	555.9	629.3	712.1	793.0	867.3	929.4
132.5°	365.7	392.1	423.5	458.5	501.7	555.2	620.3	694.0	768.9	837.2	895.5
135°	381.9	408.2	438.4	471.3	508.9	554.0	607.7	668.8	730.9	793.0	845.6
137.5°	396.2	420.7	450.4	481.1	515.3	553.8	598.8	648.7	700.6	749.9	795.8
140°	404.5	429.0	457.1	486.4	518.3	553.1	593.6	635.9	681.1	724.3	765.7
142.5°	412.0	435.0	462.4	490.9	520.6	553.1	588.3	625.4	663.7	701.0	735.7
145°	424.2	445.0	470.3	496.7	523.0	551.2	581.4	610.5	641.6	670.7	698.0
147.5°	434.4	452.9	476.7	499.9	523.8	547.9	574.2	599.0	623.5	646.2	666.2
150°	441.2	458.1	479.8	501.3	523.0	545.6	568.2	590.8	611.4	631.2	648.1
152.5°	448.0	463.4	482.8	502.1	521.5	541.9	562.9	582.5	601.6	618.4	633.1
155°	457.1	471.3	487.3	503.2	519.2	535.3	553.1	571.0	586.1	600.1	610.5
157.5°	465.1	476.9	490.5	503.2	514.9	528.5	543.9	557.6	570.2	582.1	590.2
160°	470.3	480.7	492.0	503.2	512.6	524.0	537.2	549.3	559.7	570.0	576.6
162.5°	474.9	483.0	492.8	502.5	510.4	520.2	531.1	541.1	549.9	558.7	563.8
165°	479.8	485.4	493.9	500.5	506.1	512.6	521.1	528.7	535.3	541.9	545.6
167.5°	483.9	487.5	493.7	499.2	501.7	506.1	511.3	516.8	521.9	526.4	529.8
170°	485.4	488.2	492.9	497.7	499.5	502.3	506.1	510.8	513.6	517.4	519.2
172.5°	486.9	489.0	492.2	495.4	496.5	497.9	500.9	504.0	506.1	509.1	510.2
175°	488.2	489.2	491.1	492.9	492.0	492.9	493.9	496.7	497.7	498.6	499.5
177.5°	489.2	489.2	489.9	491.4	489.9	489.2	489.9	491.4	491.4	492.2	492.2
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

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°	11.2	10.8	11.2	10.8	11.2	10.8	11.2	11.2	11.4	11.0	11.4
90°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	30.1	28.2	30.1
92.5°	55.9	52.9	53.6	52.1	53.6	52.9	55.9	56.6	62.5	70.4	82.0
95°	116.7	109.1	106.3	107.3	106.3	109.1	116.7	128.8	149.6	189.1	246.5
97.5°	255.9	232.7	219.0	211.1	219.0	232.7	255.9	300.9	368.7	470.5	575.1
100°	421.4	381.0	353.7	336.8	353.7	381.0	421.4	499.5	613.3	742.2	858.8
102.5°	718.7	649.6	615.6	592.7	615.6	649.6	718.7	803.5	924.2	1018.4	1044.7
105°	1172.1	1113.8	1073.3	1060.2	1073.3	1113.8	1172.1	1230.4	1261.5	1249.2	1142.9
107.5°	1383.0	1379.8	1371.7	1354.2	1371.7	1379.8	1383.0	1375.6	1330.1	1232.3	1072.2
110°	1417.6	1435.5	1444.0	1443.0	1444.0	1435.5	1417.6	1377.1	1300.0	1179.6	1011.3



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1390.5	1420.4	1436.4	1441.5	1436.4	1420.4	1390.5	1334.3	1245.9	1117.2	955.5
115°	1318.8	1362.1	1386.6	1395.1	1386.6	1362.1	1318.8	1252.1	1155.2	1031.9	887.0
117.5°	1233.4	1279.1	1305.0	1312.0	1305.0	1279.1	1233.4	1165.4	1074.4	962.7	835.5
120°	1177.7	1221.9	1249.2	1258.7	1249.2	1221.9	1177.7	1111.9	1026.2	926.6	809.9
122.5°	1127.3	1170.7	1195.0	1203.0	1195.0	1170.7	1127.3	1068.3	990.9	896.5	789.6
125°	1064.9	1100.6	1124.1	1131.6	1124.1	1100.6	1064.9	1010.3	939.7	857.0	760.1
127.5°	1009.4	1042.8	1063.2	1069.2	1063.2	1042.8	1009.4	961.8	896.6	818.6	730.9
130°	975.5	1007.5	1026.2	1033.8	1026.2	1007.5	975.5	929.4	867.3	793.0	712.1
132.5°	940.8	972.9	990.1	996.9	990.1	972.9	940.8	895.5	837.2	768.9	694.0
135°	886.1	917.2	934.1	937.8	934.1	917.2	886.1	845.6	793.0	730.9	668.8
137.5°	832.7	859.4	874.3	880.0	874.3	859.4	832.7	795.8	749.9	700.6	648.7
140°	795.8	820.3	834.4	840.0	834.4	820.3	795.8	765.7	724.3	681.1	635.9
142.5°	764.2	786.5	799.0	800.1	799.0	786.5	764.2	735.7	701.0	663.7	625.4
145°	720.6	736.6	745.9	748.8	745.9	736.6	720.6	698.0	670.7	641.6	610.5
147.5°	684.9	697.6	704.0	705.7	704.0	697.6	684.9	666.2	646.2	623.5	599.0
150°	662.2	673.5	679.2	680.1	679.2	673.5	662.2	648.1	631.2	611.4	590.8
152.5°	644.1	653.9	658.1	658.3	658.1	653.9	644.1	633.1	618.4	601.6	582.5
155°	620.9	627.5	631.2	629.3	631.2	627.5	620.9	610.5	600.1	586.1	571.0
157.5°	597.5	602.9	604.6	604.6	604.6	602.9	597.5	590.2	582.1	570.2	557.6
160°	583.2	588.0	588.9	588.9	588.9	588.0	583.2	576.6	570.0	559.7	549.3
162.5°	570.4	573.6	574.6	573.8	574.6	573.6	570.4	563.8	558.7	549.9	541.1
165°	549.3	553.1	553.1	552.1	553.1	553.1	549.3	545.6	541.9	535.3	528.7
167.5°	531.5	533.6	533.4	532.3	533.4	533.6	531.5	529.8	526.4	521.9	516.8
170°	520.2	523.0	522.1	520.2	522.1	523.0	520.2	519.2	517.4	513.6	510.8
172.5°	511.1	512.5	511.5	510.4	511.5	512.5	511.1	510.2	509.1	506.1	504.0
175°	499.5	500.5	499.5	497.7	499.5	500.5	499.5	499.5	498.6	497.7	496.7
177.5°	492.2	492.2	491.4	489.9	491.4	492.2	492.2	492.2	492.2	491.4	491.4
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



TEST NUMBER: P331695-830
 CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

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°	12.0	12.2	12.3	11.2	9.9	9.7	9.6	9.6	10.0	10.4	11.3
90°	31.0	32.0	31.0	25.4	18.9	14.1	11.3	9.4	7.5	3.8	0.9
92.5°	103.3	122.2	120.6	93.9	64.0	42.7	33.8	27.4	23.4	16.6	11.5
95°	322.6	368.7	326.4	217.3	135.4	92.2	69.7	54.6	46.1	36.7	32.9
97.5°	660.3	629.5	474.1	292.8	178.7	124.3	98.8	81.4	68.7	58.7	53.6
100°	878.6	743.1	511.7	308.6	193.8	143.9	117.6	98.8	83.7	75.2	72.4
102.5°	959.9	746.9	497.5	309.3	207.4	161.3	134.9	115.4	100.3	91.8	89.7
105°	947.3	697.0	469.4	314.1	230.5	186.2	159.9	139.2	125.1	118.6	114.8
107.5°	864.7	643.7	455.4	327.2	254.2	211.3	184.7	164.3	151.3	144.9	141.9
110°	812.8	618.0	452.5	337.7	269.9	228.6	201.3	181.5	169.3	163.7	159.9



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	776.7	601.4	453.2	349.0	285.0	245.2	217.1	198.1	186.6	180.2	176.4
115°	731.9	583.2	457.1	365.9	308.6	268.1	242.7	223.9	212.6	207.0	202.3
117.5°	703.6	574.4	463.9	384.0	330.2	292.8	266.4	248.4	238.4	232.7	228.9
120°	688.6	569.1	468.4	396.1	345.3	308.6	282.2	263.3	255.0	249.3	245.5
122.5°	675.8	566.1	473.7	406.5	359.5	325.1	298.0	279.2	269.9	264.3	261.4
125°	657.5	560.6	481.6	423.3	381.0	347.1	320.7	302.0	290.7	285.0	282.2
127.5°	640.6	557.4	489.7	438.9	401.0	368.0	340.9	322.8	310.4	302.6	298.8
130°	629.3	555.9	495.8	448.7	412.9	380.0	353.7	334.9	321.7	312.3	308.6
132.5°	620.3	555.2	501.7	458.5	423.5	392.1	365.7	346.2	332.2	322.1	317.5
135°	607.7	554.0	508.9	471.3	438.4	408.2	381.9	360.2	346.2	334.9	331.1
137.5°	598.8	553.8	515.3	481.1	450.4	420.7	396.2	374.8	359.7	348.5	343.9
140°	593.6	553.1	518.3	486.4	457.1	429.0	404.5	383.8	368.7	357.5	353.7
142.5°	588.3	553.1	520.6	490.9	462.4	435.0	412.0	392.1	377.0	366.5	363.4
145°	581.4	551.2	523.0	496.7	470.3	445.0	424.2	405.5	391.3	381.9	378.1
147.5°	574.2	547.9	523.8	499.9	476.7	452.9	434.4	418.8	405.8	396.8	394.0
150°	568.2	545.6	523.0	501.3	479.8	458.1	441.2	427.1	414.8	407.3	404.5
152.5°	562.9	541.9	521.5	502.1	482.8	463.4	448.0	434.6	423.9	416.3	415.0
155°	553.1	535.3	519.2	503.2	487.3	471.3	457.1	446.9	436.5	430.8	429.9
157.5°	543.9	528.5	514.9	503.2	490.5	476.9	465.1	456.8	447.8	443.3	442.3
160°	537.2	524.0	512.6	503.2	492.0	480.7	470.3	462.8	455.2	451.6	450.6
162.5°	531.1	520.2	510.4	502.5	492.8	483.0	474.9	468.1	462.0	458.3	458.8
165°	521.1	512.6	506.1	500.5	493.9	485.4	479.8	475.0	469.4	467.5	468.4
167.5°	511.3	506.1	501.7	499.2	493.7	487.5	483.9	480.5	476.9	475.2	476.4
170°	506.1	502.3	499.5	497.7	492.9	488.2	485.4	483.5	480.7	479.8	481.6
172.5°	500.9	497.9	496.5	495.4	492.2	489.0	486.9	485.8	483.0	483.5	484.7
175°	493.9	492.9	492.0	492.9	491.1	489.2	488.2	488.2	486.4	487.3	488.2
177.5°	489.9	489.2	489.9	491.4	489.9	489.2	489.2	489.2	487.7	488.4	489.9
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



TEST NUMBER: P331695-830

CATALOG NUMBER: SA2XXRDIP-C675D925U830-4F0-1E-UDD-A4

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°	10.0	8.9	8.8	8.8	9.7	10.7	11.6	12.7	13.3	12.7	12.9
90°	3.8	7.5	9.4	11.3	14.1	18.9	25.4	31.0	32.0	31.0	30.1
92.5°	16.6	23.4	27.4	33.8	42.7	64.0	93.9	120.6	122.2	103.3	82.0
95°	36.7	46.1	54.6	69.7	92.2	135.4	217.3	326.4	368.7	322.6	246.5
97.5°	58.7	68.7	81.4	98.8	124.3	178.7	292.8	474.1	629.5	660.3	575.1
100°	75.2	83.7	98.8	117.6	143.9	193.8	308.6	511.7	743.1	878.6	858.8
102.5°	91.8	100.3	115.4	134.9	161.3	207.4	309.3	497.5	746.9	959.9	1044.7
105°	118.6	125.1	139.2	159.9	186.2	230.5	314.1	469.4	697.0	947.3	1142.9
107.5°	144.9	151.3	164.3	184.7	211.3	254.2	327.2	455.4	643.7	864.7	1072.2
110°	163.7	169.3	181.5	201.3	228.6	269.9	337.7	452.5	618.0	812.8	1011.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	180.2	186.6	198.1	217.1	245.2	285.0	349.0	453.2	601.4	776.7	955.5
115°	207.0	212.6	223.9	242.7	268.1	308.6	365.9	457.1	583.2	731.9	887.0
117.5°	232.7	238.4	248.4	266.4	292.8	330.2	384.0	463.9	574.4	703.6	835.5
120°	249.3	255.0	263.3	282.2	308.6	345.3	396.1	468.4	569.1	688.6	809.9
122.5°	264.3	269.9	279.2	298.0	325.1	359.5	406.5	473.7	566.1	675.8	789.6
125°	285.0	290.7	302.0	320.7	347.1	381.0	423.3	481.6	560.6	657.5	760.1
127.5°	302.6	310.4	322.8	340.9	368.0	401.0	438.9	489.7	557.4	640.6	730.9
130°	312.3	321.7	334.9	353.7	380.0	412.9	448.7	495.8	555.9	629.3	712.1
132.5°	322.1	332.2	346.2	365.7	392.1	423.5	458.5	501.7	555.2	620.3	694.0
135°	334.9	346.2	360.2	381.9	408.2	438.4	471.3	508.9	554.0	607.7	668.8
137.5°	348.5	359.7	374.8	396.2	420.7	450.4	481.1	515.3	553.8	598.8	648.7
140°	357.5	368.7	383.8	404.5	429.0	457.1	486.4	518.3	553.1	593.6	635.9
142.5°	366.5	377.0	392.1	412.0	435.0	462.4	490.9	520.6	553.1	588.3	625.4
145°	381.9	391.3	405.5	424.2	445.0	470.3	496.7	523.0	551.2	581.4	610.5
147.5°	396.8	405.8	418.8	434.4	452.9	476.7	499.9	523.8	547.9	574.2	599.0
150°	407.3	414.8	427.1	441.2	458.1	479.8	501.3	523.0	545.6	568.2	590.8
152.5°	416.3	423.9	434.6	448.0	463.4	482.8	502.1	521.5	541.9	562.9	582.5
155°	430.8	436.5	446.9	457.1	471.3	487.3	503.2	519.2	535.3	553.1	571.0
157.5°	443.3	447.8	456.8	465.1	476.9	490.5	503.2	514.9	528.5	543.9	557.6
160°	451.6	455.2	462.8	470.3	480.7	492.0	503.2	512.6	524.0	537.2	549.3
162.5°	458.3	462.0	468.1	474.9	483.0	492.8	502.5	510.4	520.2	531.1	541.1
165°	467.5	469.4	475.0	479.8	485.4	493.9	500.5	506.1	512.6	521.1	528.7
167.5°	475.2	476.9	480.5	483.9	487.5	493.7	499.2	501.7	506.1	511.3	516.8
170°	479.8	480.7	483.5	485.4	488.2	492.9	497.7	499.5	502.3	506.1	510.8
172.5°	483.5	483.0	485.8	486.9	489.0	492.2	495.4	496.5	497.9	500.9	504.0
175°	487.3	486.4	488.2	488.2	489.2	491.1	492.9	492.0	492.9	493.9	496.7
177.5°	488.4	487.7	489.2	489.2	489.2	489.9	491.4	489.9	489.2	489.9	491.4
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2	489.2



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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°	12.2	12.5	12.7	12.7	12.7	12.7	12.3
90°	28.2	30.1	31.0	31.0	31.0	31.0	31.0
92.5°	70.4	62.5	56.6	55.9	52.9	53.6	52.1
95°	189.1	149.6	128.8	116.7	109.1	106.3	107.3
97.5°	470.5	368.7	300.9	255.9	232.7	219.0	211.1
100°	742.2	613.3	499.5	421.4	381.0	353.7	336.8
102.5°	1018.4	924.2	803.5	718.7	649.6	615.6	592.7
105°	1249.2	1261.5	1230.4	1172.1	1113.8	1073.3	1060.2
107.5°	1232.3	1330.1	1375.6	1383.0	1379.8	1371.7	1354.2
110°	1179.6	1300.0	1377.1	1417.6	1435.5	1444.0	1443.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1117.2	1245.9	1334.3	1390.5	1420.4	1436.4	1441.5
115°	1031.9	1155.2	1252.1	1318.8	1362.1	1386.6	1395.1
117.5°	962.7	1074.4	1165.4	1233.4	1279.1	1305.0	1312.0
120°	926.6	1026.2	1111.9	1177.7	1221.9	1249.2	1258.7
122.5°	896.5	990.9	1068.3	1127.3	1170.7	1195.0	1203.0
125°	857.0	939.7	1010.3	1064.9	1100.6	1124.1	1131.6
127.5°	818.6	896.6	961.8	1009.4	1042.8	1063.2	1069.2
130°	793.0	867.3	929.4	975.5	1007.5	1026.2	1033.8
132.5°	768.9	837.2	895.5	940.8	972.9	990.1	996.9
135°	730.9	793.0	845.6	886.1	917.2	934.1	937.8
137.5°	700.6	749.9	795.8	832.7	859.4	874.3	880.0
140°	681.1	724.3	765.7	795.8	820.3	834.4	840.0
142.5°	663.7	701.0	735.7	764.2	786.5	799.0	800.1
145°	641.6	670.7	698.0	720.6	736.6	745.9	748.8
147.5°	623.5	646.2	666.2	684.9	697.6	704.0	705.7
150°	611.4	631.2	648.1	662.2	673.5	679.2	680.1
152.5°	601.6	618.4	633.1	644.1	653.9	658.1	658.3
155°	586.1	600.1	610.5	620.9	627.5	631.2	629.3
157.5°	570.2	582.1	590.2	597.5	602.9	604.6	604.6
160°	559.7	570.0	576.6	583.2	588.0	588.9	588.9
162.5°	549.9	558.7	563.8	570.4	573.6	574.6	573.8
165°	535.3	541.9	545.6	549.3	553.1	553.1	552.1
167.5°	521.9	526.4	529.8	531.5	533.6	533.4	532.3
170°	513.6	517.4	519.2	520.2	523.0	522.1	520.2
172.5°	506.1	509.1	510.2	511.1	512.5	511.5	510.4
175°	497.7	498.6	499.5	499.5	500.5	499.5	497.7
177.5°	491.4	492.2	492.2	492.2	492.2	491.4	489.9
180°	489.2	489.2	489.2	489.2	489.2	489.2	489.2

(END OF REPORT)