

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: P332931-840

Luminaire Tested: **SA4XXRDIP-C795D590U840-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332931-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

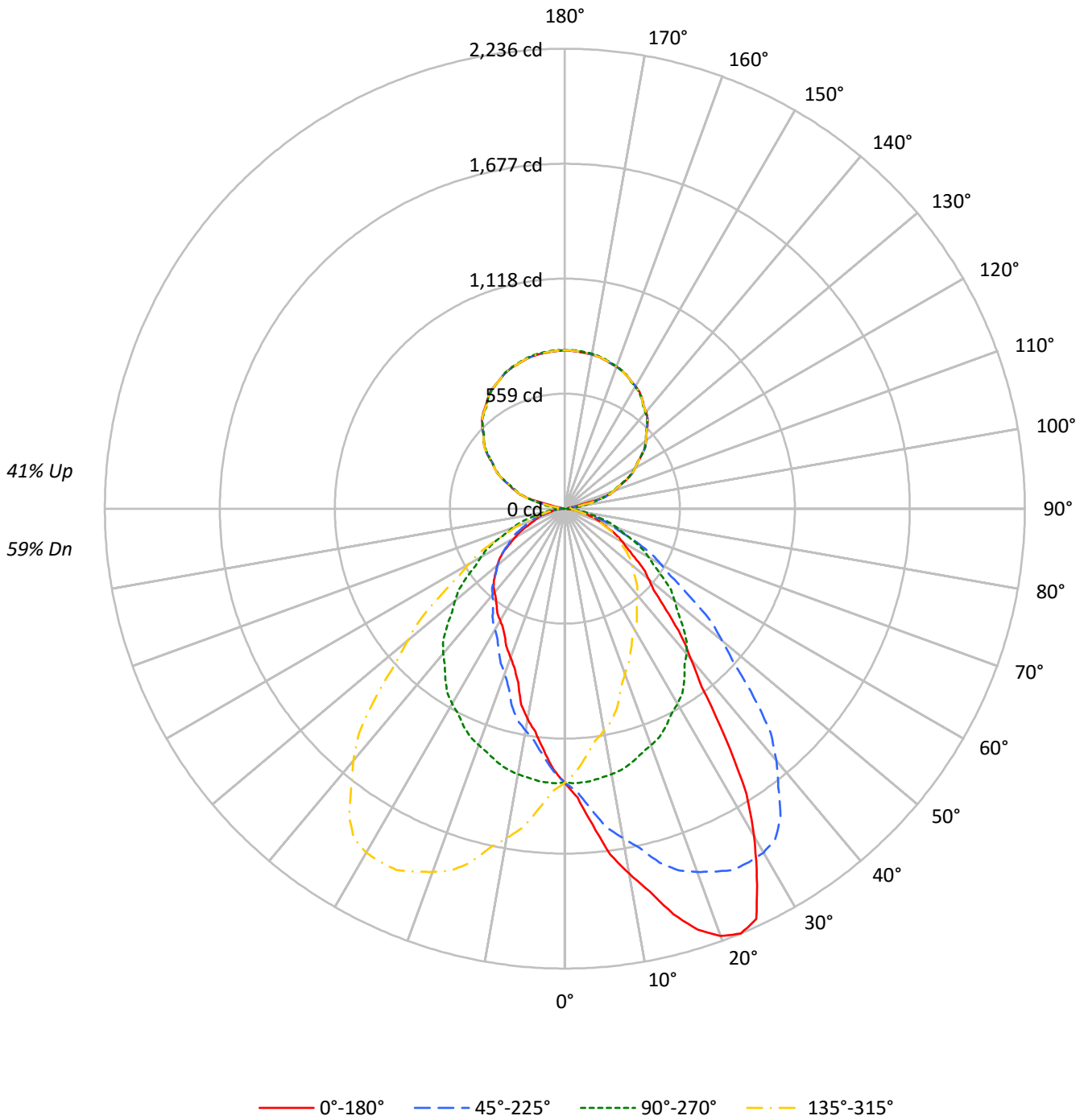
Lumens per Lamp: N/A
Luminaire Lumens: 5754.3 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 40.3
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



TEST NUMBER: P332931-840
CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	89	93	90	87	84	78	76	74	67	66	64	57	56	55	50
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47	43
3	84	75	68	62	78	70	64	59	61	57	53	53	50	47	46	43	41	37
4	77	67	59	53	72	62	56	50	55	49	45	48	44	40	41	38	36	32
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28
6	66	54	46	40	61	51	43	38	45	39	35	39	35	31	34	31	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	28	25	22
8	56	44	37	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	32	27	34	29	25	30	26	22	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10761	10761	10761	10761
5°	12482	10794	9541	10794
10°	14767	10747	8515	10747
15°	17057	10647	7317	10647
20°	18991	10511	6617	10511
25°	19605	10377	6143	10377
30°	17162	10213	5857	10213
35°	13360	9973	5685	9973
40°	10019	9695	5593	9695
45°	7911	9252	5543	9252
50°	6678	8743	5383	8743
55°	5820	8179	5095	8179
60°	5238	7597	4510	7597
65°	4617	6967	3878	6967
70°	4157	6314	3498	6314
75°	3484	5596	2982	5596
80°	2947	4770	2799	4770
85°	2492	3733	2492	3733



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	2.2
10°-20°	389.6	6.8
20°-30°	609.4	10.6
30°-40°	677.4	11.8
40°-50°	601.0	10.4
50°-60°	468.4	8.1
60°-70°	306.6	5.3
70°-80°	150.8	2.6
80°-90°	39.4	0.7
90°-100°	26.3	0.5
100°-110°	168.0	2.9
110°-120°	321.3	5.6
120°-130°	407.9	7.1
130°-140°	436.4	7.6
140°-150°	408.1	7.1
150°-160°	329.1	5.7
160°-170°	212.2	3.7
170°-180°	73.2	1.3
0°-30°	1128.1	19.6
0°-40°	1805.6	31.4
0°-60°	2875.0	50.0
0°-90°	3371.9	58.6
90°-120°	515.6	9.0
90°-150°	1767.9	30.7
90°-180°	2382.0	41.4
0°-180°	5754.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1333	1333	1333	1333	1333	
5°	1540	1332	1177	1332	1540	156
15°	2041	1274	876	1274	2041	580
25°	2201	1165	690	1165	2201	976
35°	1356	1012	577	1012	1356	850
45°	693	810	486	810	693	549
55°	414	581	362	581	414	376
65°	242	365	203	365	242	243
75°	112	179	96	179	112	123
85°	27	40	27	40	27	31
90°	17	2	17	2	17	9
95°	17	32	17	32	17	13
105°	164	173	164	173	164	143
115°	326	324	326	324	326	323
125°	459	455	459	455	459	408
135°	569	564	569	564	569	438
145°	654	651	654	651	654	409
155°	713	714	713	714	713	329
165°	749	753	749	753	749	212
175°	766	770	766	770	766	73
180°	770	770	770	770	770	



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1406.0	1410.0	1406.0	1405.6	1401.4	1400.1	1398.4	1392.8	1382.4	1376.4	1377.8
5°	1540.3	1553.8	1546.3	1545.2	1533.4	1521.6	1514.0	1496.8	1478.5	1466.2	1456.0
7.5°	1695.7	1703.4	1698.7	1691.1	1672.0	1661.2	1643.8	1621.1	1588.4	1563.4	1540.4
10°	1801.4	1807.9	1805.6	1791.7	1777.8	1749.3	1733.1	1701.5	1660.1	1627.4	1596.8
12.5°	1905.3	1912.3	1893.3	1894.0	1867.5	1845.1	1819.6	1779.7	1731.9	1689.7	1651.3
15°	2040.9	2032.4	2032.4	2021.5	1992.1	1960.9	1934.6	1892.7	1832.5	1782.0	1728.9
17.5°	2147.1	2150.0	2145.7	2120.3	2097.1	2064.9	2016.6	1967.7	1911.9	1844.1	1789.8
20°	2210.6	2210.6	2205.8	2188.6	2158.6	2124.2	2072.0	2018.9	1948.0	1879.8	1818.6
22.5°	2236.4	2238.2	2232.4	2218.3	2191.2	2157.7	2113.3	2059.3	1986.2	1909.5	1833.6
25°	2201.0	2211.2	2212.2	2208.5	2200.4	2180.0	2141.9	2086.6	2021.0	1937.8	1856.1
27.5°	2020.7	2033.6	2044.9	2063.5	2088.2	2101.0	2102.7	2074.7	2017.5	1937.3	1855.2
30°	1841.1	1851.9	1886.7	1932.4	1967.9	2000.1	2028.0	2035.6	2003.4	1931.4	1844.9
32.5°	1641.7	1656.4	1691.3	1740.4	1799.5	1854.0	1916.7	1948.7	1947.9	1904.7	1824.7
35°	1355.6	1366.3	1398.6	1450.2	1521.1	1602.2	1701.5	1778.8	1831.5	1827.7	1778.8
37.5°	1093.3	1105.4	1138.0	1180.7	1249.5	1349.9	1446.0	1552.6	1649.9	1704.6	1688.3
40°	950.7	951.2	982.9	1026.9	1091.4	1178.9	1283.6	1401.8	1510.3	1598.9	1616.1
42.5°	838.1	838.2	859.1	906.6	953.0	1035.4	1135.4	1252.7	1379.7	1482.1	1527.6
45°	692.9	697.7	714.9	743.4	779.8	849.7	929.7	1038.7	1181.0	1302.4	1378.2
47.5°	586.7	593.8	604.7	627.9	657.0	703.6	769.7	867.7	983.5	1117.0	1224.8
50°	531.7	532.8	546.7	559.7	584.9	622.0	679.9	761.5	867.9	996.3	1116.1
52.5°	484.4	484.2	492.6	509.0	529.5	558.4	605.2	679.5	773.9	888.9	1012.5
55°	413.5	416.3	422.7	435.6	451.1	471.6	508.6	564.5	638.6	736.9	849.1
57.5°	359.6	361.0	366.1	371.5	385.9	400.7	428.5	467.3	529.8	610.3	714.9
60°	324.4	325.0	326.6	334.6	345.9	359.8	378.6	411.4	464.0	537.7	620.4
62.5°	290.0	290.9	293.5	299.3	308.1	317.7	337.4	363.8	407.3	470.2	544.7
65°	241.7	242.3	246.0	248.1	255.1	263.7	278.2	295.9	326.0	378.6	435.0
67.5°	202.0	202.0	202.2	205.1	209.8	215.6	224.3	238.4	261.2	293.5	343.2
70°	176.1	176.1	177.2	178.8	181.6	186.3	191.2	202.0	218.6	244.9	283.1
72.5°	152.1	152.5	153.6	153.9	155.3	159.3	162.9	169.8	182.1	202.0	232.8
75°	111.7	113.3	116.0	118.2	120.9	120.3	124.1	128.4	132.1	143.9	161.7
77.5°	83.1	82.3	82.6	84.4	84.7	85.3	88.0	91.3	94.1	99.7	106.0
80°	63.4	63.4	65.0	65.5	65.0	65.5	68.2	69.8	70.9	73.0	79.0
82.5°	47.9	48.8	48.3	48.8	49.1	49.6	51.9	52.2	53.3	54.1	56.7
85°	26.9	27.4	28.0	26.9	26.9	26.9	28.0	28.5	29.6	29.0	30.1
87.5°	12.9	12.4	12.8	12.7	13.1	12.6	12.9	13.6	12.5	12.8	12.6
90°	17.3	17.1	16.8	16.6	16.3	15.8	14.9	14.2	13.4	12.6	11.6
92.5°	15.9	15.9	15.8	15.8	15.7	15.2	14.5	13.7	13.0	12.2	11.2
95°	16.7	16.6	16.5	16.4	16.2	15.8	14.9	14.2	13.4	12.6	12.5
97.5°	16.2	16.0	15.9	15.8	15.7	15.6	15.5	15.3	15.2	15.2	29.5
100°	16.2	16.0	15.9	15.8	15.7	16.7	18.8	21.0	23.1	25.3	43.0
102.5°	16.6	16.6	16.6	16.6	16.5	28.2	51.7	75.1	98.7	122.1	124.4
105°	164.2	168.7	173.4	178.0	182.6	184.3	183.2	182.1	180.9	179.8	179.0
107.5°	228.8	228.3	227.8	227.3	226.8	226.3	225.8	225.2	224.7	224.1	223.2
110°	256.9	256.5	256.1	255.8	255.4	255.1	254.8	254.6	254.3	254.1	253.3



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	285.0	284.6	284.1	283.6	283.1	282.9	283.0	283.0	283.1	283.1	282.8
115°	326.1	326.1	326.1	326.1	326.1	325.9	325.7	325.4	325.2	324.9	325.0
117.5°	367.8	367.8	367.9	367.9	368.0	368.0	368.1	368.1	368.2	368.2	367.9
120°	394.0	394.3	394.6	394.8	395.1	395.1	394.8	394.6	394.3	394.0	394.2
122.5°	419.8	420.1	420.3	420.6	420.8	420.9	420.7	420.6	420.4	420.3	420.1
125°	458.6	458.4	458.3	458.2	458.1	457.8	457.4	457.0	456.7	456.3	456.5
127.5°	492.5	492.6	492.7	492.8	492.9	493.0	493.1	493.2	493.2	493.3	492.7
130°	515.5	515.5	515.5	515.5	515.5	515.5	515.3	515.2	515.1	515.0	514.6
132.5°	536.7	536.8	536.9	537.0	537.1	537.1	537.0	536.9	536.7	536.6	536.1
135°	568.6	568.4	568.0	567.7	567.5	567.2	567.0	566.7	566.5	566.2	565.7
137.5°	595.7	595.8	595.9	596.0	596.0	595.9	595.7	595.4	595.1	594.8	594.3
140°	614.6	614.5	614.4	614.3	614.1	613.9	613.5	613.1	612.7	612.4	612.1
142.5°	630.4	630.3	630.3	630.3	630.3	630.1	629.8	629.4	629.2	628.9	628.7
145°	654.4	654.2	653.9	653.6	653.4	653.2	653.1	652.9	652.8	652.7	652.7
147.5°	674.3	674.2	674.1	674.0	673.8	673.7	673.6	673.5	673.4	673.3	673.4
150°	687.2	687.1	687.0	686.8	686.7	686.6	686.6	686.6	686.6	686.6	686.8
152.5°	698.3	698.3	698.4	698.5	698.6	698.5	698.3	698.1	697.9	697.7	697.9
155°	713.2	713.6	713.9	714.3	714.7	714.6	714.1	713.6	713.1	712.6	713.0
157.5°	725.6	726.3	726.9	727.6	728.2	728.2	727.6	726.9	726.3	725.6	726.0
160°	733.9	734.7	735.4	736.2	737.0	737.0	736.2	735.4	734.7	733.9	734.0
162.5°	740.3	741.2	742.0	743.0	743.9	743.9	743.1	742.4	741.5	740.8	740.9
165°	749.4	750.6	751.7	752.9	754.1	754.2	753.1	752.0	751.0	750.0	750.0
167.5°	756.3	757.5	758.8	760.1	761.3	761.4	760.3	759.2	758.1	756.9	757.0
170°	760.4	761.6	763.0	764.3	765.5	765.7	764.6	763.6	762.5	761.5	761.4
172.5°	762.7	764.1	765.5	766.9	768.2	768.4	767.4	766.4	765.4	764.3	764.2
175°	765.6	767.1	768.6	770.2	771.7	771.9	770.7	769.6	768.4	767.3	767.2
177.5°	767.4	768.6	769.9	771.1	772.3	772.5	771.7	770.9	770.1	769.2	769.0
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1373.4	1367.5	1364.4	1357.6	1349.4	1345.0	1341.2	1335.6	1328.3	1320.6	1314.9
5°	1443.1	1430.3	1414.1	1394.8	1377.7	1361.0	1346.5	1332.0	1315.3	1298.1	1280.9
7.5°	1514.7	1489.3	1462.0	1430.3	1399.5	1371.4	1345.6	1320.9	1292.9	1268.0	1245.2
10°	1564.5	1530.1	1492.0	1451.8	1411.5	1376.5	1342.2	1311.0	1276.7	1246.1	1220.2
12.5°	1604.9	1564.5	1518.6	1468.4	1420.1	1377.9	1338.3	1297.7	1258.6	1225.4	1191.0
15°	1671.9	1616.6	1554.9	1494.7	1431.9	1374.4	1321.2	1273.9	1229.4	1182.7	1149.9
17.5°	1718.0	1652.3	1577.3	1505.0	1430.8	1363.0	1301.7	1245.4	1194.0	1146.2	1107.2
20°	1745.6	1673.0	1589.7	1507.6	1424.3	1351.8	1285.8	1223.5	1170.3	1118.7	1078.4
22.5°	1761.0	1680.7	1589.7	1503.7	1417.4	1339.0	1266.5	1201.5	1143.7	1092.1	1047.5
25°	1766.0	1680.0	1587.1	1488.2	1393.7	1310.5	1235.3	1165.0	1100.4	1048.9	1001.7
27.5°	1759.1	1657.9	1562.7	1461.3	1363.7	1276.0	1197.1	1123.2	1058.6	1003.3	954.8
30°	1748.8	1640.2	1538.2	1432.9	1334.1	1249.8	1166.5	1095.6	1028.5	971.1	922.2
32.5°	1726.4	1618.8	1508.9	1401.2	1301.0	1214.2	1135.2	1063.9	998.0	939.3	887.4
35°	1682.1	1573.2	1453.9	1343.2	1245.0	1154.7	1080.7	1011.9	949.1	886.2	831.4
37.5°	1623.9	1512.5	1393.8	1272.6	1174.3	1089.1	1021.1	956.5	895.2	837.9	777.2
40°	1568.8	1467.3	1344.8	1224.6	1123.6	1041.4	978.6	920.0	858.3	801.3	740.6
42.5°	1502.2	1415.7	1292.0	1171.2	1071.6	992.4	933.9	876.7	820.4	765.3	702.0
45°	1391.1	1325.5	1209.5	1093.5	993.1	914.6	860.9	810.4	761.0	708.4	648.8
47.5°	1263.6	1219.3	1119.1	1000.4	907.5	836.9	785.0	743.8	702.0	649.3	597.0
50°	1175.2	1146.7	1050.0	941.5	852.9	787.9	734.8	696.1	661.2	610.7	563.9
52.5°	1080.7	1065.5	983.8	880.1	794.5	730.7	685.3	650.6	615.2	573.3	529.6
55°	936.6	944.7	875.5	785.8	705.2	651.5	610.2	581.1	551.1	515.6	481.8
57.5°	789.5	818.9	772.4	693.7	618.1	568.6	537.5	513.0	487.8	458.4	429.5
60°	701.5	726.1	699.8	630.6	564.5	518.3	489.3	470.5	445.2	418.4	396.4
62.5°	615.5	642.0	626.3	570.4	509.1	469.3	443.7	426.3	407.5	384.1	361.1
65°	507.6	524.7	517.3	478.6	435.0	401.2	377.6	364.7	347.5	330.3	309.9
67.5°	388.7	421.9	417.6	397.0	359.4	333.0	317.5	306.1	290.4	277.7	263.8
70°	319.5	350.2	349.6	333.0	312.6	287.9	277.1	267.5	253.5	241.2	229.8
72.5°	261.6	289.6	293.8	281.0	267.0	248.3	238.0	231.4	217.8	209.3	200.3
75°	183.2	203.6	208.9	208.9	202.5	192.8	183.7	179.4	169.8	162.2	156.8
77.5°	120.1	133.0	141.4	143.3	144.3	141.1	133.5	130.5	123.1	120.4	115.2
80°	84.8	93.4	103.1	106.3	109.1	108.0	104.7	102.6	95.6	92.9	90.8
82.5°	58.7	63.4	71.3	78.4	77.7	80.5	77.7	75.9	70.7	69.7	67.6
85°	30.6	31.1	32.2	37.1	39.8	40.8	41.4	40.3	38.7	38.7	34.9
87.5°	12.4	11.8	12.4	12.2	12.3	13.8	14.8	14.9	13.9	12.9	11.9
90°	10.6	9.6	8.6	7.4	6.0	4.5	3.1	1.7	3.1	4.5	6.0
92.5°	10.2	9.2	8.1	7.6	7.5	7.4	7.4	7.3	7.4	7.4	7.5
95°	12.4	12.3	12.1	14.2	18.6	23.0	27.4	31.7	27.4	23.0	18.6
97.5°	43.8	58.1	72.3	78.2	75.4	72.7	70.0	67.3	70.0	72.7	75.4
100°	60.7	78.4	96.0	103.7	101.4	99.1	96.7	94.4	96.7	99.1	101.4
102.5°	126.7	129.1	131.4	131.7	130.0	128.3	126.5	124.9	126.5	128.3	130.0
105°	178.4	177.8	177.1	176.4	175.7	174.9	174.2	173.4	174.2	174.9	175.7
107.5°	222.4	221.5	220.6	219.9	219.5	219.2	218.8	218.4	218.8	219.2	219.5
110°	252.5	251.8	251.0	250.3	250.0	249.6	249.2	248.8	249.2	249.6	250.0



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	282.4	282.0	281.7	281.1	280.4	279.7	279.0	278.3	279.0	279.7	280.4
115°	325.2	325.3	325.4	325.3	324.9	324.5	324.2	323.8	324.2	324.5	324.9
117.5°	367.7	367.4	367.1	366.7	366.2	365.7	365.2	364.7	365.2	365.7	366.2
120°	394.3	394.5	394.6	394.4	393.8	393.3	392.8	392.3	392.8	393.3	393.8
122.5°	419.9	419.8	419.6	419.3	419.0	418.7	418.4	418.1	418.4	418.7	419.0
125°	456.8	457.0	457.3	457.2	456.7	456.2	455.6	455.0	455.6	456.2	456.7
127.5°	492.1	491.6	491.0	490.6	490.5	490.4	490.2	490.1	490.2	490.4	490.5
130°	514.2	513.8	513.4	513.2	513.1	512.9	512.8	512.7	512.8	512.9	513.1
132.5°	535.6	535.2	534.7	534.3	534.1	533.9	533.6	533.4	533.6	533.9	534.1
135°	565.2	564.7	564.2	564.0	564.1	564.3	564.4	564.5	564.4	564.3	564.1
137.5°	593.7	593.1	592.6	592.3	592.2	592.2	592.1	592.1	592.1	592.2	592.2
140°	611.9	611.6	611.3	611.1	610.8	610.6	610.3	610.1	610.3	610.6	610.8
142.5°	628.6	628.4	628.3	628.0	627.5	627.1	626.6	626.2	626.6	627.1	627.5
145°	652.7	652.7	652.7	652.5	652.1	651.7	651.4	651.0	651.4	651.7	652.1
147.5°	673.6	673.7	673.8	673.5	672.8	672.1	671.4	670.7	671.4	672.1	672.8
150°	686.9	687.0	687.2	687.0	686.5	686.0	685.4	684.9	685.4	686.0	686.5
152.5°	698.2	698.4	698.6	698.5	698.1	697.7	697.3	696.9	697.3	697.7	698.1
155°	713.4	713.8	714.1	714.3	714.1	714.0	713.9	713.8	713.9	714.0	714.1
157.5°	726.5	726.9	727.3	727.6	727.7	727.7	727.8	727.9	727.8	727.7	727.7
160°	734.2	734.3	734.4	734.7	735.1	735.4	735.8	736.2	735.8	735.4	735.1
162.5°	741.0	741.1	741.3	741.6	742.1	742.6	743.1	743.6	743.1	742.6	742.1
165°	750.0	750.0	750.0	750.3	750.9	751.6	752.2	752.9	752.2	751.6	750.9
167.5°	757.1	757.2	757.2	757.6	758.3	758.9	759.6	760.2	759.6	758.9	758.3
170°	761.2	761.1	761.0	761.3	762.1	762.9	763.7	764.5	763.7	762.9	762.1
172.5°	764.1	764.0	763.8	764.2	764.9	765.7	766.4	767.2	766.4	765.7	764.9
175°	767.1	766.9	766.8	767.1	767.9	768.6	769.4	770.2	769.4	768.6	767.9
177.5°	768.8	768.6	768.4	768.7	769.4	770.1	770.8	771.5	770.8	770.1	769.4
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1309.0	1304.6	1299.1	1292.6	1285.0	1278.1	1275.1	1277.6	1278.9	1275.5	1275.1
5°	1269.1	1255.7	1245.0	1228.8	1216.0	1205.2	1197.7	1194.5	1195.6	1187.0	1184.8
7.5°	1224.4	1208.4	1190.8	1171.7	1153.9	1138.1	1129.8	1125.3	1116.2	1112.3	1105.7
10°	1195.6	1174.1	1156.9	1134.3	1113.9	1095.1	1086.0	1078.4	1069.3	1065.0	1055.9
12.5°	1165.9	1140.9	1122.1	1098.6	1077.8	1055.1	1046.4	1032.5	1018.2	1009.2	997.4
15°	1124.1	1094.1	1071.0	1043.0	1018.3	992.5	969.5	943.6	934.0	913.6	901.8
17.5°	1075.2	1044.7	1016.1	978.7	940.6	908.6	883.9	859.2	844.4	831.4	825.4
20°	1043.0	1015.1	975.3	931.8	889.4	853.9	834.0	818.0	801.8	792.7	786.3
22.5°	1012.5	976.8	930.7	883.7	841.3	813.5	796.7	780.1	767.1	758.4	749.7
25°	961.4	914.6	865.8	812.0	783.0	758.9	740.6	727.2	719.1	707.9	703.6
27.5°	908.9	852.2	798.3	762.2	732.1	709.9	694.0	683.9	673.7	666.5	661.0
30°	868.5	811.0	762.7	728.3	697.7	679.4	666.5	654.7	646.6	640.8	636.4
32.5°	828.5	771.0	730.4	693.5	669.3	651.5	637.7	628.9	622.6	615.0	612.4
35°	770.7	719.7	684.3	651.0	626.2	610.2	599.4	590.3	584.9	582.7	581.1
37.5°	715.2	673.4	635.3	607.9	585.9	573.3	560.6	556.1	552.4	548.6	550.3
40°	679.9	640.8	606.9	577.9	560.2	546.2	538.7	533.3	530.1	530.1	530.1
42.5°	649.4	611.1	578.1	552.1	534.4	522.6	514.2	509.7	508.6	508.2	510.8
45°	602.1	566.6	533.3	511.8	496.8	484.9	480.2	476.4	476.4	478.6	479.1
47.5°	555.1	521.9	495.2	471.1	457.4	450.0	445.8	443.8	444.0	446.3	448.7
50°	526.3	493.6	467.3	445.8	432.9	425.9	422.1	421.1	422.1	422.1	425.9
52.5°	494.9	465.6	439.8	421.7	407.1	400.5	398.5	397.0	397.7	399.4	401.0
55°	449.0	422.7	398.0	380.8	370.0	365.8	360.9	361.4	360.4	361.4	361.4
57.5°	402.9	379.3	356.3	342.6	333.3	327.0	321.7	323.3	321.6	321.4	320.5
60°	373.2	347.5	329.2	316.9	306.1	300.7	295.9	297.0	295.4	294.3	292.2
62.5°	341.0	319.5	302.2	290.2	281.7	275.4	270.5	269.5	265.8	262.1	257.4
65°	294.3	276.6	261.1	249.7	241.7	236.8	233.1	229.8	221.8	213.2	208.9
67.5°	248.9	236.1	221.6	212.1	205.5	199.1	192.0	186.5	178.9	174.2	171.6
70°	219.6	207.3	195.0	185.8	178.8	173.0	164.9	161.2	155.7	153.6	150.9
72.5°	191.8	180.3	168.7	160.5	153.1	148.5	142.1	138.4	136.0	135.1	132.5
75°	149.4	140.2	131.6	124.1	118.2	114.9	112.3	109.6	108.5	103.6	101.0
77.5°	109.0	102.9	97.6	92.2	88.0	85.8	80.7	77.6	75.7	73.5	72.9
80°	84.8	80.6	75.2	72.0	66.0	63.9	61.8	61.2	60.7	60.2	59.6
82.5°	63.8	59.5	54.1	52.2	50.6	49.3	48.0	47.5	47.0	47.3	47.2
85°	32.2	30.1	30.1	29.6	29.0	28.5	28.0	28.0	27.4	28.0	27.4
87.5°	12.2	12.0	12.2	11.6	12.2	12.4	12.1	12.3	12.9	12.2	12.3
90°	7.4	8.6	9.6	10.6	11.6	12.6	13.4	14.2	14.9	15.8	16.3
92.5°	7.6	8.1	9.2	10.2	11.2	12.2	13.0	13.7	14.5	15.2	15.7
95°	14.2	12.1	12.3	12.4	12.5	12.6	13.4	14.2	14.9	15.8	16.2
97.5°	78.2	72.3	58.1	43.8	29.5	15.2	15.2	15.3	15.5	15.6	15.7
100°	103.7	96.0	78.4	60.7	43.0	25.3	23.1	21.0	18.8	16.7	15.7
102.5°	131.7	131.4	129.1	126.7	124.4	122.1	98.7	75.1	51.7	28.2	16.5
105°	176.4	177.1	177.8	178.4	179.0	179.8	180.9	182.1	183.2	184.3	182.6
107.5°	219.9	220.6	221.5	222.4	223.2	224.1	224.7	225.2	225.8	226.3	226.8
110°	250.3	251.0	251.8	252.5	253.3	254.1	254.3	254.6	254.8	255.1	255.4



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	281.1	281.7	282.0	282.4	282.8	283.1	283.1	283.0	283.0	282.9	283.1
115°	325.3	325.4	325.3	325.2	325.0	324.9	325.2	325.4	325.7	325.9	326.1
117.5°	366.7	367.1	367.4	367.7	367.9	368.2	368.2	368.1	368.1	368.0	368.0
120°	394.4	394.6	394.5	394.3	394.2	394.0	394.3	394.6	394.8	395.1	395.1
122.5°	419.3	419.6	419.8	419.9	420.1	420.3	420.4	420.6	420.7	420.9	420.8
125°	457.2	457.3	457.0	456.8	456.5	456.3	456.7	457.0	457.4	457.8	458.1
127.5°	490.6	491.0	491.6	492.1	492.7	493.3	493.2	493.2	493.1	493.0	492.9
130°	513.2	513.4	513.8	514.2	514.6	515.0	515.1	515.2	515.3	515.5	515.5
132.5°	534.3	534.7	535.2	535.6	536.1	536.6	536.7	536.9	537.0	537.1	537.1
135°	564.0	564.2	564.7	565.2	565.7	566.2	566.5	566.7	567.0	567.2	567.5
137.5°	592.3	592.6	593.1	593.7	594.3	594.8	595.1	595.4	595.7	595.9	596.0
140°	611.1	611.3	611.6	611.9	612.1	612.4	612.7	613.1	613.5	613.9	614.1
142.5°	628.0	628.3	628.4	628.6	628.7	628.9	629.2	629.4	629.8	630.1	630.3
145°	652.5	652.7	652.7	652.7	652.7	652.7	652.8	652.9	653.1	653.2	653.4
147.5°	673.5	673.8	673.7	673.6	673.4	673.3	673.4	673.5	673.6	673.7	673.8
150°	687.0	687.2	687.0	686.9	686.8	686.6	686.6	686.6	686.6	686.6	686.7
152.5°	698.5	698.6	698.4	698.2	697.9	697.7	697.9	698.1	698.3	698.5	698.6
155°	714.3	714.1	713.8	713.4	713.0	712.6	713.1	713.6	714.1	714.6	714.7
157.5°	727.6	727.3	726.9	726.5	726.0	725.6	726.3	726.9	727.6	728.2	728.2
160°	734.7	734.4	734.3	734.2	734.0	733.9	734.7	735.4	736.2	737.0	737.0
162.5°	741.6	741.3	741.1	741.0	740.9	740.8	741.5	742.4	743.1	743.9	743.9
165°	750.3	750.0	750.0	750.0	750.0	750.0	751.0	752.0	753.1	754.2	754.1
167.5°	757.6	757.2	757.2	757.1	757.0	756.9	758.1	759.2	760.3	761.4	761.3
170°	761.3	761.0	761.1	761.2	761.4	761.5	762.5	763.6	764.6	765.7	765.5
172.5°	764.2	763.8	764.0	764.1	764.2	764.3	765.4	766.4	767.4	768.4	768.2
175°	767.1	766.8	766.9	767.1	767.2	767.3	768.4	769.6	770.7	771.9	771.7
177.5°	768.7	768.4	768.6	768.8	769.0	769.2	770.1	770.9	771.7	772.5	772.3
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1272.4	1273.3	1270.3	1269.4	1270.3	1273.3	1272.4	1275.1	1275.5	1278.9	1277.6
5°	1180.5	1179.4	1176.8	1177.3	1176.8	1179.4	1180.5	1184.8	1187.0	1195.6	1194.5
7.5°	1101.9	1097.7	1098.8	1094.6	1098.8	1097.7	1101.9	1105.7	1112.3	1116.2	1125.3
10°	1053.8	1047.8	1043.0	1038.7	1043.0	1047.8	1053.8	1055.9	1065.0	1069.3	1078.4
12.5°	988.1	983.0	976.4	977.8	976.4	983.0	988.1	997.4	1009.2	1018.2	1032.5
15°	894.7	886.8	873.8	875.5	873.8	886.8	894.7	901.8	913.6	934.0	943.6
17.5°	815.9	816.0	810.0	811.4	810.0	816.0	815.9	825.4	831.4	844.4	859.2
20°	775.0	771.2	771.7	770.2	771.7	771.2	775.0	786.3	792.7	801.8	818.0
22.5°	746.7	742.0	738.3	735.0	738.3	742.0	746.7	749.7	758.4	767.1	780.1
25°	698.7	695.5	690.6	689.6	690.6	695.5	698.7	703.6	707.9	719.1	727.2
27.5°	656.6	656.0	654.1	651.6	654.1	656.0	656.6	661.0	666.5	673.7	683.9
30°	632.2	631.1	630.0	628.3	630.0	631.1	632.2	636.4	640.8	646.6	654.7
32.5°	610.3	609.6	608.5	608.6	608.5	609.6	610.3	612.4	615.0	622.6	628.9
35°	579.0	578.5	577.3	576.8	577.3	578.5	579.0	581.1	582.7	584.9	590.3
37.5°	549.8	551.2	550.5	550.4	550.5	551.2	549.8	550.3	548.6	552.4	556.1
40°	529.6	530.1	531.2	530.7	531.2	530.1	529.6	530.1	530.1	530.1	533.3
42.5°	512.8	512.9	514.4	512.6	514.4	512.9	512.8	510.8	508.2	508.6	509.7
45°	482.8	486.0	485.5	485.5	485.5	486.0	482.8	479.1	478.6	476.4	476.4
47.5°	450.1	452.8	453.6	453.5	453.6	452.8	450.1	448.7	446.3	444.0	443.8
50°	428.6	427.5	429.1	428.6	429.1	427.5	428.6	425.9	422.1	422.1	421.1
52.5°	402.4	402.6	402.5	401.9	402.5	402.6	402.4	401.0	399.4	397.7	397.0
55°	362.0	362.5	361.4	362.0	361.4	362.5	362.0	361.4	361.4	360.4	361.4
57.5°	318.2	315.6	316.7	315.4	316.7	315.6	318.2	320.5	321.4	321.6	323.3
60°	286.8	282.5	281.4	279.3	281.4	282.5	286.8	292.2	294.3	295.4	297.0
62.5°	251.6	248.5	244.9	246.6	244.9	248.5	251.6	257.4	262.1	265.8	269.5
65°	204.6	202.5	200.9	203.0	200.9	202.5	204.6	208.9	213.2	221.8	229.8
67.5°	169.4	168.2	168.2	167.1	168.2	168.2	169.4	171.6	174.2	178.9	186.5
70°	150.9	149.4	149.4	148.2	149.4	149.4	150.9	150.9	153.6	155.7	161.2
72.5°	132.0	130.4	130.9	130.2	130.9	130.4	132.0	132.5	135.1	136.0	138.4
75°	97.8	95.0	95.0	95.6	95.0	95.0	97.8	101.0	103.6	108.5	109.6
77.5°	72.9	72.4	73.1	72.2	73.1	72.4	72.9	72.9	73.5	75.7	77.6
80°	59.6	59.1	58.6	60.2	58.6	59.1	59.6	59.6	60.2	60.7	61.2
82.5°	46.3	46.2	46.0	48.2	46.0	46.2	46.3	47.2	47.3	47.0	47.5
85°	28.0	26.9	28.0	26.9	28.0	26.9	28.0	27.4	28.0	27.4	28.0
87.5°	13.2	12.8	12.4	12.9	12.4	12.8	13.2	12.3	12.2	12.9	12.3
90°	16.6	16.8	17.1	17.3	17.1	16.8	16.6	16.3	15.8	14.9	14.2
92.5°	15.8	15.8	15.9	15.9	15.9	15.8	15.8	15.7	15.2	14.5	13.7
95°	16.4	16.5	16.6	16.7	16.6	16.5	16.4	16.2	15.8	14.9	14.2
97.5°	15.8	15.9	16.0	16.2	16.0	15.9	15.8	15.7	15.6	15.5	15.3
100°	15.8	15.9	16.0	16.2	16.0	15.9	15.8	15.7	16.7	18.8	21.0
102.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.5	28.2	51.7	75.1
105°	178.0	173.4	168.7	164.2	168.7	173.4	178.0	182.6	184.3	183.2	182.1
107.5°	227.3	227.8	228.3	228.8	228.3	227.8	227.3	226.8	226.3	225.8	225.2
110°	255.8	256.1	256.5	256.9	256.5	256.1	255.8	255.4	255.1	254.8	254.6



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	283.6	284.1	284.6	285.0	284.6	284.1	283.6	283.1	282.9	283.0	283.0
115°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	325.9	325.7	325.4
117.5°	367.9	367.9	367.8	367.8	367.8	367.9	367.9	368.0	368.0	368.1	368.1
120°	394.8	394.6	394.3	394.0	394.3	394.6	394.8	395.1	395.1	394.8	394.6
122.5°	420.6	420.3	420.1	419.8	420.1	420.3	420.6	420.8	420.9	420.7	420.6
125°	458.2	458.3	458.4	458.6	458.4	458.3	458.2	458.1	457.8	457.4	457.0
127.5°	492.8	492.7	492.6	492.5	492.6	492.7	492.8	492.9	493.0	493.1	493.2
130°	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.3	515.2
132.5°	537.0	536.9	536.8	536.7	536.8	536.9	537.0	537.1	537.1	537.0	536.9
135°	567.7	568.0	568.4	568.6	568.4	568.0	567.7	567.5	567.2	567.0	566.7
137.5°	596.0	595.9	595.8	595.7	595.8	595.9	596.0	596.0	595.9	595.7	595.4
140°	614.3	614.4	614.5	614.6	614.5	614.4	614.3	614.1	613.9	613.5	613.1
142.5°	630.3	630.3	630.3	630.4	630.3	630.3	630.3	630.3	630.1	629.8	629.4
145°	653.6	653.9	654.2	654.4	654.2	653.9	653.6	653.4	653.2	653.1	652.9
147.5°	674.0	674.1	674.2	674.3	674.2	674.1	674.0	673.8	673.7	673.6	673.5
150°	686.8	687.0	687.1	687.2	687.1	687.0	686.8	686.7	686.6	686.6	686.6
152.5°	698.5	698.4	698.3	698.3	698.3	698.4	698.5	698.6	698.5	698.3	698.1
155°	714.3	713.9	713.6	713.2	713.6	713.9	714.3	714.7	714.6	714.1	713.6
157.5°	727.6	726.9	726.3	725.6	726.3	726.9	727.6	728.2	728.2	727.6	726.9
160°	736.2	735.4	734.7	733.9	734.7	735.4	736.2	737.0	737.0	736.2	735.4
162.5°	743.0	742.0	741.2	740.3	741.2	742.0	743.0	743.9	743.9	743.1	742.4
165°	752.9	751.7	750.6	749.4	750.6	751.7	752.9	754.1	754.2	753.1	752.0
167.5°	760.1	758.8	757.5	756.3	757.5	758.8	760.1	761.3	761.4	760.3	759.2
170°	764.3	763.0	761.6	760.4	761.6	763.0	764.3	765.5	765.7	764.6	763.6
172.5°	766.9	765.5	764.1	762.7	764.1	765.5	766.9	768.2	768.4	767.4	766.4
175°	770.2	768.6	767.1	765.6	767.1	768.6	770.2	771.7	771.9	770.7	769.6
177.5°	771.1	769.9	768.6	767.4	768.6	769.9	771.1	772.3	772.5	771.7	770.9
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1275.1	1278.1	1285.0	1292.6	1299.1	1304.6	1309.0	1314.9	1320.6	1328.3	1335.6
5°	1197.7	1205.2	1216.0	1228.8	1245.0	1255.7	1269.1	1280.9	1298.1	1315.3	1332.0
7.5°	1129.8	1138.1	1153.9	1171.7	1190.8	1208.4	1224.4	1245.2	1268.0	1292.9	1320.9
10°	1086.0	1095.1	1113.9	1134.3	1156.9	1174.1	1195.6	1220.2	1246.1	1276.7	1311.0
12.5°	1046.4	1055.1	1077.8	1098.6	1122.1	1140.9	1165.9	1191.0	1225.4	1258.6	1297.7
15°	969.5	992.5	1018.3	1043.0	1071.0	1094.1	1124.1	1149.9	1182.7	1229.4	1273.9
17.5°	883.9	908.6	940.6	978.7	1016.1	1044.7	1075.2	1107.2	1146.2	1194.0	1245.4
20°	834.0	853.9	889.4	931.8	975.3	1015.1	1043.0	1078.4	1118.7	1170.3	1223.5
22.5°	796.7	813.5	841.3	883.7	930.7	976.8	1012.5	1047.5	1092.1	1143.7	1201.5
25°	740.6	758.9	783.0	812.0	865.8	914.6	961.4	1001.7	1048.9	1100.4	1165.0
27.5°	694.0	709.9	732.1	762.2	798.3	852.2	908.9	954.8	1003.3	1058.6	1123.2
30°	666.5	679.4	697.7	728.3	762.7	811.0	868.5	922.2	971.1	1028.5	1095.6
32.5°	637.7	651.5	669.3	693.5	730.4	771.0	828.5	887.4	939.3	998.0	1063.9
35°	599.4	610.2	626.2	651.0	684.3	719.7	770.7	831.4	886.2	949.1	1011.9
37.5°	560.6	573.3	585.9	607.9	635.3	673.4	715.2	777.2	837.9	895.2	956.5
40°	538.7	546.2	560.2	577.9	606.9	640.8	679.9	740.6	801.3	858.3	920.0
42.5°	514.2	522.6	534.4	552.1	578.1	611.1	649.4	702.0	765.3	820.4	876.7
45°	480.2	484.9	496.8	511.8	533.3	566.6	602.1	648.8	708.4	761.0	810.4
47.5°	445.8	450.0	457.4	471.1	495.2	521.9	555.1	597.0	649.3	702.0	743.8
50°	422.1	425.9	432.9	445.8	467.3	493.6	526.3	563.9	610.7	661.2	696.1
52.5°	398.5	400.5	407.1	421.7	439.8	465.6	494.9	529.6	573.3	615.2	650.6
55°	360.9	365.8	370.0	380.8	398.0	422.7	449.0	481.8	515.6	551.1	581.1
57.5°	321.7	327.0	333.3	342.6	356.3	379.3	402.9	429.5	458.4	487.8	513.0
60°	295.9	300.7	306.1	316.9	329.2	347.5	373.2	396.4	418.4	445.2	470.5
62.5°	270.5	275.4	281.7	290.2	302.2	319.5	341.0	361.1	384.1	407.5	426.3
65°	233.1	236.8	241.7	249.7	261.1	276.6	294.3	309.9	330.3	347.5	364.7
67.5°	192.0	199.1	205.5	212.1	221.6	236.1	248.9	263.8	277.7	290.4	306.1
70°	164.9	173.0	178.8	185.8	195.0	207.3	219.6	229.8	241.2	253.5	267.5
72.5°	142.1	148.5	153.1	160.5	168.7	180.3	191.8	200.3	209.3	217.8	231.4
75°	112.3	114.9	118.2	124.1	131.6	140.2	149.4	156.8	162.2	169.8	179.4
77.5°	80.7	85.8	88.0	92.2	97.6	102.9	109.0	115.2	120.4	123.1	130.5
80°	61.8	63.9	66.0	72.0	75.2	80.6	84.8	90.8	92.9	95.6	102.6
82.5°	48.0	49.3	50.6	52.2	54.1	59.5	63.8	67.6	69.7	70.7	75.9
85°	28.0	28.5	29.0	29.6	30.1	30.1	32.2	34.9	38.7	38.7	40.3
87.5°	12.1	12.4	12.2	11.6	12.2	12.0	12.2	11.9	12.9	13.9	14.9
90°	13.4	12.6	11.6	10.6	9.6	8.6	7.4	6.0	4.5	3.1	1.7
92.5°	13.0	12.2	11.2	10.2	9.2	8.1	7.6	7.5	7.4	7.4	7.3
95°	13.4	12.6	12.5	12.4	12.3	12.1	14.2	18.6	23.0	27.4	31.7
97.5°	15.2	15.2	29.5	43.8	58.1	72.3	78.2	75.4	72.7	70.0	67.3
100°	23.1	25.3	43.0	60.7	78.4	96.0	103.7	101.4	99.1	96.7	94.4
102.5°	98.7	122.1	124.4	126.7	129.1	131.4	131.7	130.0	128.3	126.5	124.9
105°	180.9	179.8	179.0	178.4	177.8	177.1	176.4	175.7	174.9	174.2	173.4
107.5°	224.7	224.1	223.2	222.4	221.5	220.6	219.9	219.5	219.2	218.8	218.4
110°	254.3	254.1	253.3	252.5	251.8	251.0	250.3	250.0	249.6	249.2	248.8



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.1	283.1	282.8	282.4	282.0	281.7	281.1	280.4	279.7	279.0	278.3
115°	325.2	324.9	325.0	325.2	325.3	325.4	325.3	324.9	324.5	324.2	323.8
117.5°	368.2	368.2	367.9	367.7	367.4	367.1	366.7	366.2	365.7	365.2	364.7
120°	394.3	394.0	394.2	394.3	394.5	394.6	394.4	393.8	393.3	392.8	392.3
122.5°	420.4	420.3	420.1	419.9	419.8	419.6	419.3	419.0	418.7	418.4	418.1
125°	456.7	456.3	456.5	456.8	457.0	457.3	457.2	456.7	456.2	455.6	455.0
127.5°	493.2	493.3	492.7	492.1	491.6	491.0	490.6	490.5	490.4	490.2	490.1
130°	515.1	515.0	514.6	514.2	513.8	513.4	513.2	513.1	512.9	512.8	512.7
132.5°	536.7	536.6	536.1	535.6	535.2	534.7	534.3	534.1	533.9	533.6	533.4
135°	566.5	566.2	565.7	565.2	564.7	564.2	564.0	564.1	564.3	564.4	564.5
137.5°	595.1	594.8	594.3	593.7	593.1	592.6	592.3	592.2	592.2	592.1	592.1
140°	612.7	612.4	612.1	611.9	611.6	611.3	611.1	610.8	610.6	610.3	610.1
142.5°	629.2	628.9	628.7	628.6	628.4	628.3	628.0	627.5	627.1	626.6	626.2
145°	652.8	652.7	652.7	652.7	652.7	652.7	652.5	652.1	651.7	651.4	651.0
147.5°	673.4	673.3	673.4	673.6	673.7	673.8	673.5	672.8	672.1	671.4	670.7
150°	686.6	686.6	686.8	686.9	687.0	687.2	687.0	686.5	686.0	685.4	684.9
152.5°	697.9	697.7	697.9	698.2	698.4	698.6	698.5	698.1	697.7	697.3	696.9
155°	713.1	712.6	713.0	713.4	713.8	714.1	714.3	714.1	714.0	713.9	713.8
157.5°	726.3	725.6	726.0	726.5	726.9	727.3	727.6	727.7	727.7	727.8	727.9
160°	734.7	733.9	734.0	734.2	734.3	734.4	734.7	735.1	735.4	735.8	736.2
162.5°	741.5	740.8	740.9	741.0	741.1	741.3	741.6	742.1	742.6	743.1	743.6
165°	751.0	750.0	750.0	750.0	750.0	750.0	750.3	750.9	751.6	752.2	752.9
167.5°	758.1	756.9	757.0	757.1	757.2	757.2	757.6	758.3	758.9	759.6	760.2
170°	762.5	761.5	761.4	761.2	761.1	761.0	761.3	762.1	762.9	763.7	764.5
172.5°	765.4	764.3	764.2	764.1	764.0	763.8	764.2	764.9	765.7	766.4	767.2
175°	768.4	767.3	767.2	767.1	766.9	766.8	767.1	767.9	768.6	769.4	770.2
177.5°	770.1	769.2	769.0	768.8	768.6	768.4	768.7	769.4	770.1	770.8	771.5
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1341.2	1345.0	1349.4	1357.6	1364.4	1367.5	1373.4	1377.8	1376.4	1382.4	1392.8
5°	1346.5	1361.0	1377.7	1394.8	1414.1	1430.3	1443.1	1456.0	1466.2	1478.5	1496.8
7.5°	1345.6	1371.4	1399.5	1430.3	1462.0	1489.3	1514.7	1540.4	1563.4	1588.4	1621.1
10°	1342.2	1376.5	1411.5	1451.8	1492.0	1530.1	1564.5	1596.8	1627.4	1660.1	1701.5
12.5°	1338.3	1377.9	1420.1	1468.4	1518.6	1564.5	1604.9	1651.3	1689.7	1731.9	1779.7
15°	1321.2	1374.4	1431.9	1494.7	1554.9	1616.6	1671.9	1728.9	1782.0	1832.5	1892.7
17.5°	1301.7	1363.0	1430.8	1505.0	1577.3	1652.3	1718.0	1789.8	1844.1	1911.9	1967.7
20°	1285.8	1351.8	1424.3	1507.6	1589.7	1673.0	1745.6	1818.6	1879.8	1948.0	2018.9
22.5°	1266.5	1339.0	1417.4	1503.7	1589.7	1680.7	1761.0	1833.6	1909.5	1986.2	2059.3
25°	1235.3	1310.5	1393.7	1488.2	1587.1	1680.0	1766.0	1856.1	1937.8	2021.0	2086.6
27.5°	1197.1	1276.0	1363.7	1461.3	1562.7	1657.9	1759.1	1855.2	1937.3	2017.5	2074.7
30°	1166.5	1249.8	1334.1	1432.9	1538.2	1640.2	1748.8	1844.9	1931.4	2003.4	2035.6
32.5°	1135.2	1214.2	1301.0	1401.2	1508.9	1618.8	1726.4	1824.7	1904.7	1947.9	1948.7
35°	1080.7	1154.7	1245.0	1343.2	1453.9	1573.2	1682.1	1778.8	1827.7	1831.5	1778.8
37.5°	1021.1	1089.1	1174.3	1272.6	1393.8	1512.5	1623.9	1688.3	1704.6	1649.9	1552.6
40°	978.6	1041.4	1123.6	1224.6	1344.8	1467.3	1568.8	1616.1	1598.9	1510.3	1401.8
42.5°	933.9	992.4	1071.6	1171.2	1292.0	1415.7	1502.2	1527.6	1482.1	1379.7	1252.7
45°	860.9	914.6	993.1	1093.5	1209.5	1325.5	1391.1	1378.2	1302.4	1181.0	1038.7
47.5°	785.0	836.9	907.5	1000.4	1119.1	1219.3	1263.6	1224.8	1117.0	983.5	867.7
50°	734.8	787.9	852.9	941.5	1050.0	1146.7	1175.2	1116.1	996.3	867.9	761.5
52.5°	685.3	730.7	794.5	880.1	983.8	1065.5	1080.7	1012.5	888.9	773.9	679.5
55°	610.2	651.5	705.2	785.8	875.5	944.7	936.6	849.1	736.9	638.6	564.5
57.5°	537.5	568.6	618.1	693.7	772.4	818.9	789.5	714.9	610.3	529.8	467.3
60°	489.3	518.3	564.5	630.6	699.8	726.1	701.5	620.4	537.7	464.0	411.4
62.5°	443.7	469.3	509.1	570.4	626.3	642.0	615.5	544.7	470.2	407.3	363.8
65°	377.6	401.2	435.0	478.6	517.3	524.7	507.6	435.0	378.6	326.0	295.9
67.5°	317.5	333.0	359.4	397.0	417.6	421.9	388.7	343.2	293.5	261.2	238.4
70°	277.1	287.9	312.6	333.0	349.6	350.2	319.5	283.1	244.9	218.6	202.0
72.5°	238.0	248.3	267.0	281.0	293.8	289.6	261.6	232.8	202.0	182.1	169.8
75°	183.7	192.8	202.5	208.9	208.9	203.6	183.2	161.7	143.9	132.1	128.4
77.5°	133.5	141.1	144.3	143.3	141.4	133.0	120.1	106.0	99.7	94.1	91.3
80°	104.7	108.0	109.1	106.3	103.1	93.4	84.8	79.0	73.0	70.9	69.8
82.5°	77.7	80.5	77.7	78.4	71.3	63.4	58.7	56.7	54.1	53.3	52.2
85°	41.4	40.8	39.8	37.1	32.2	31.1	30.6	30.1	29.0	29.6	28.5
87.5°	14.8	13.8	12.3	12.2	12.4	11.8	12.4	12.6	12.8	12.5	13.6
90°	3.1	4.5	6.0	7.4	8.6	9.6	10.6	11.6	12.6	13.4	14.2
92.5°	7.4	7.4	7.5	7.6	8.1	9.2	10.2	11.2	12.2	13.0	13.7
95°	27.4	23.0	18.6	14.2	12.1	12.3	12.4	12.5	12.6	13.4	14.2
97.5°	70.0	72.7	75.4	78.2	72.3	58.1	43.8	29.5	15.2	15.2	15.3
100°	96.7	99.1	101.4	103.7	96.0	78.4	60.7	43.0	25.3	23.1	21.0
102.5°	126.5	128.3	130.0	131.7	131.4	129.1	126.7	124.4	122.1	98.7	75.1
105°	174.2	174.9	175.7	176.4	177.1	177.8	178.4	179.0	179.8	180.9	182.1
107.5°	218.8	219.2	219.5	219.9	220.6	221.5	222.4	223.2	224.1	224.7	225.2
110°	249.2	249.6	250.0	250.3	251.0	251.8	252.5	253.3	254.1	254.3	254.6



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	279.0	279.7	280.4	281.1	281.7	282.0	282.4	282.8	283.1	283.1	283.0
115°	324.2	324.5	324.9	325.3	325.4	325.3	325.2	325.0	324.9	325.2	325.4
117.5°	365.2	365.7	366.2	366.7	367.1	367.4	367.7	367.9	368.2	368.2	368.1
120°	392.8	393.3	393.8	394.4	394.6	394.5	394.3	394.2	394.0	394.3	394.6
122.5°	418.4	418.7	419.0	419.3	419.6	419.8	419.9	420.1	420.3	420.4	420.6
125°	455.6	456.2	456.7	457.2	457.3	457.0	456.8	456.5	456.3	456.7	457.0
127.5°	490.2	490.4	490.5	490.6	491.0	491.6	492.1	492.7	493.3	493.2	493.2
130°	512.8	512.9	513.1	513.2	513.4	513.8	514.2	514.6	515.0	515.1	515.2
132.5°	533.6	533.9	534.1	534.3	534.7	535.2	535.6	536.1	536.6	536.7	536.9
135°	564.4	564.3	564.1	564.0	564.2	564.7	565.2	565.7	566.2	566.5	566.7
137.5°	592.1	592.2	592.2	592.3	592.6	593.1	593.7	594.3	594.8	595.1	595.4
140°	610.3	610.6	610.8	611.1	611.3	611.6	611.9	612.1	612.4	612.7	613.1
142.5°	626.6	627.1	627.5	628.0	628.3	628.4	628.6	628.7	628.9	629.2	629.4
145°	651.4	651.7	652.1	652.5	652.7	652.7	652.7	652.7	652.7	652.8	652.9
147.5°	671.4	672.1	672.8	673.5	673.8	673.7	673.6	673.4	673.3	673.4	673.5
150°	685.4	686.0	686.5	687.0	687.2	687.0	686.9	686.8	686.6	686.6	686.6
152.5°	697.3	697.7	698.1	698.5	698.6	698.4	698.2	697.9	697.7	697.9	698.1
155°	713.9	714.0	714.1	714.3	714.1	713.8	713.4	713.0	712.6	713.1	713.6
157.5°	727.8	727.7	727.7	727.6	727.3	726.9	726.5	726.0	725.6	726.3	726.9
160°	735.8	735.4	735.1	734.7	734.4	734.3	734.2	734.0	733.9	734.7	735.4
162.5°	743.1	742.6	742.1	741.6	741.3	741.1	741.0	740.9	740.8	741.5	742.4
165°	752.2	751.6	750.9	750.3	750.0	750.0	750.0	750.0	750.0	751.0	752.0
167.5°	759.6	758.9	758.3	757.6	757.2	757.2	757.1	757.0	756.9	758.1	759.2
170°	763.7	762.9	762.1	761.3	761.0	761.1	761.2	761.4	761.5	762.5	763.6
172.5°	766.4	765.7	764.9	764.2	763.8	764.0	764.1	764.2	764.3	765.4	766.4
175°	769.4	768.6	767.9	767.1	766.8	766.9	767.1	767.2	767.3	768.4	769.6
177.5°	770.8	770.1	769.4	768.7	768.4	768.6	768.8	769.0	769.2	770.1	770.9
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2	770.2



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1398.4	1400.1	1401.4	1405.6	1406.0	1410.0	1406.0
5°	1514.0	1521.6	1533.4	1545.2	1546.3	1553.8	1540.3
7.5°	1643.8	1661.2	1672.0	1691.1	1698.7	1703.4	1695.7
10°	1733.1	1749.3	1777.8	1791.7	1805.6	1807.9	1801.4
12.5°	1819.6	1845.1	1867.5	1894.0	1893.3	1912.3	1905.3
15°	1934.6	1960.9	1992.1	2021.5	2032.4	2032.4	2040.9
17.5°	2016.6	2064.9	2097.1	2120.3	2145.7	2150.0	2147.1
20°	2072.0	2124.2	2158.6	2188.6	2205.8	2210.6	2210.6
22.5°	2113.3	2157.7	2191.2	2218.3	2232.4	2238.2	2236.4
25°	2141.9	2180.0	2200.4	2208.5	2212.2	2211.2	2201.0
27.5°	2102.7	2101.0	2088.2	2063.5	2044.9	2033.6	2020.7
30°	2028.0	2000.1	1967.9	1932.4	1886.7	1851.9	1841.1
32.5°	1916.7	1854.0	1799.5	1740.4	1691.3	1656.4	1641.7
35°	1701.5	1602.2	1521.1	1450.2	1398.6	1366.3	1355.6
37.5°	1446.0	1349.9	1249.5	1180.7	1138.0	1105.4	1093.3
40°	1283.6	1178.9	1091.4	1026.9	982.9	951.2	950.7
42.5°	1135.4	1035.4	953.0	906.6	859.1	838.2	838.1
45°	929.7	849.7	779.8	743.4	714.9	697.7	692.9
47.5°	769.7	703.6	657.0	627.9	604.7	593.8	586.7
50°	679.9	622.0	584.9	559.7	546.7	532.8	531.7
52.5°	605.2	558.4	529.5	509.0	492.6	484.2	484.4
55°	508.6	471.6	451.1	435.6	422.7	416.3	413.5
57.5°	428.5	400.7	385.9	371.5	366.1	361.0	359.6
60°	378.6	359.8	345.9	334.6	326.6	325.0	324.4
62.5°	337.4	317.7	308.1	299.3	293.5	290.9	290.0
65°	278.2	263.7	255.1	248.1	246.0	242.3	241.7
67.5°	224.3	215.6	209.8	205.1	202.2	202.0	202.0
70°	191.2	186.3	181.6	178.8	177.2	176.1	176.1
72.5°	162.9	159.3	155.3	153.9	153.6	152.5	152.1
75°	124.1	120.3	120.9	118.2	116.0	113.3	111.7
77.5°	88.0	85.3	84.7	84.4	82.6	82.3	83.1
80°	68.2	65.5	65.0	65.5	65.0	63.4	63.4
82.5°	51.9	49.6	49.1	48.8	48.3	48.8	47.9
85°	28.0	26.9	26.9	26.9	28.0	27.4	26.9
87.5°	12.9	12.6	13.1	12.7	12.8	12.4	12.9
90°	14.9	15.8	16.3	16.6	16.8	17.1	17.3
92.5°	14.5	15.2	15.7	15.8	15.8	15.9	15.9
95°	14.9	15.8	16.2	16.4	16.5	16.6	16.7
97.5°	15.5	15.6	15.7	15.8	15.9	16.0	16.2
100°	18.8	16.7	15.7	15.8	15.9	16.0	16.2
102.5°	51.7	28.2	16.5	16.6	16.6	16.6	16.6
105°	183.2	184.3	182.6	178.0	173.4	168.7	164.2
107.5°	225.8	226.3	226.8	227.3	227.8	228.3	228.8
110°	254.8	255.1	255.4	255.8	256.1	256.5	256.9



TEST NUMBER: P332931-840

CATALOG NUMBER: SA4XXRDIP-C795D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	283.0	282.9	283.1	283.6	284.1	284.6	285.0
115°	325.7	325.9	326.1	326.1	326.1	326.1	326.1
117.5°	368.1	368.0	368.0	367.9	367.9	367.8	367.8
120°	394.8	395.1	395.1	394.8	394.6	394.3	394.0
122.5°	420.7	420.9	420.8	420.6	420.3	420.1	419.8
125°	457.4	457.8	458.1	458.2	458.3	458.4	458.6
127.5°	493.1	493.0	492.9	492.8	492.7	492.6	492.5
130°	515.3	515.5	515.5	515.5	515.5	515.5	515.5
132.5°	537.0	537.1	537.1	537.0	536.9	536.8	536.7
135°	567.0	567.2	567.5	567.7	568.0	568.4	568.6
137.5°	595.7	595.9	596.0	596.0	595.9	595.8	595.7
140°	613.5	613.9	614.1	614.3	614.4	614.5	614.6
142.5°	629.8	630.1	630.3	630.3	630.3	630.3	630.4
145°	653.1	653.2	653.4	653.6	653.9	654.2	654.4
147.5°	673.6	673.7	673.8	674.0	674.1	674.2	674.3
150°	686.6	686.6	686.7	686.8	687.0	687.1	687.2
152.5°	698.3	698.5	698.6	698.5	698.4	698.3	698.3
155°	714.1	714.6	714.7	714.3	713.9	713.6	713.2
157.5°	727.6	728.2	728.2	727.6	726.9	726.3	725.6
160°	736.2	737.0	737.0	736.2	735.4	734.7	733.9
162.5°	743.1	743.9	743.9	743.0	742.0	741.2	740.3
165°	753.1	754.2	754.1	752.9	751.7	750.6	749.4
167.5°	760.3	761.4	761.3	760.1	758.8	757.5	756.3
170°	764.6	765.7	765.5	764.3	763.0	761.6	760.4
172.5°	767.4	768.4	768.2	766.9	765.5	764.1	762.7
175°	770.7	771.9	771.7	770.2	768.6	767.1	765.6
177.5°	771.7	772.5	772.3	771.1	769.9	768.6	767.4
180°	770.2	770.2	770.2	770.2	770.2	770.2	770.2

(END OF REPORT)