

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: P332927-830

Luminaire Tested: **SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332927-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

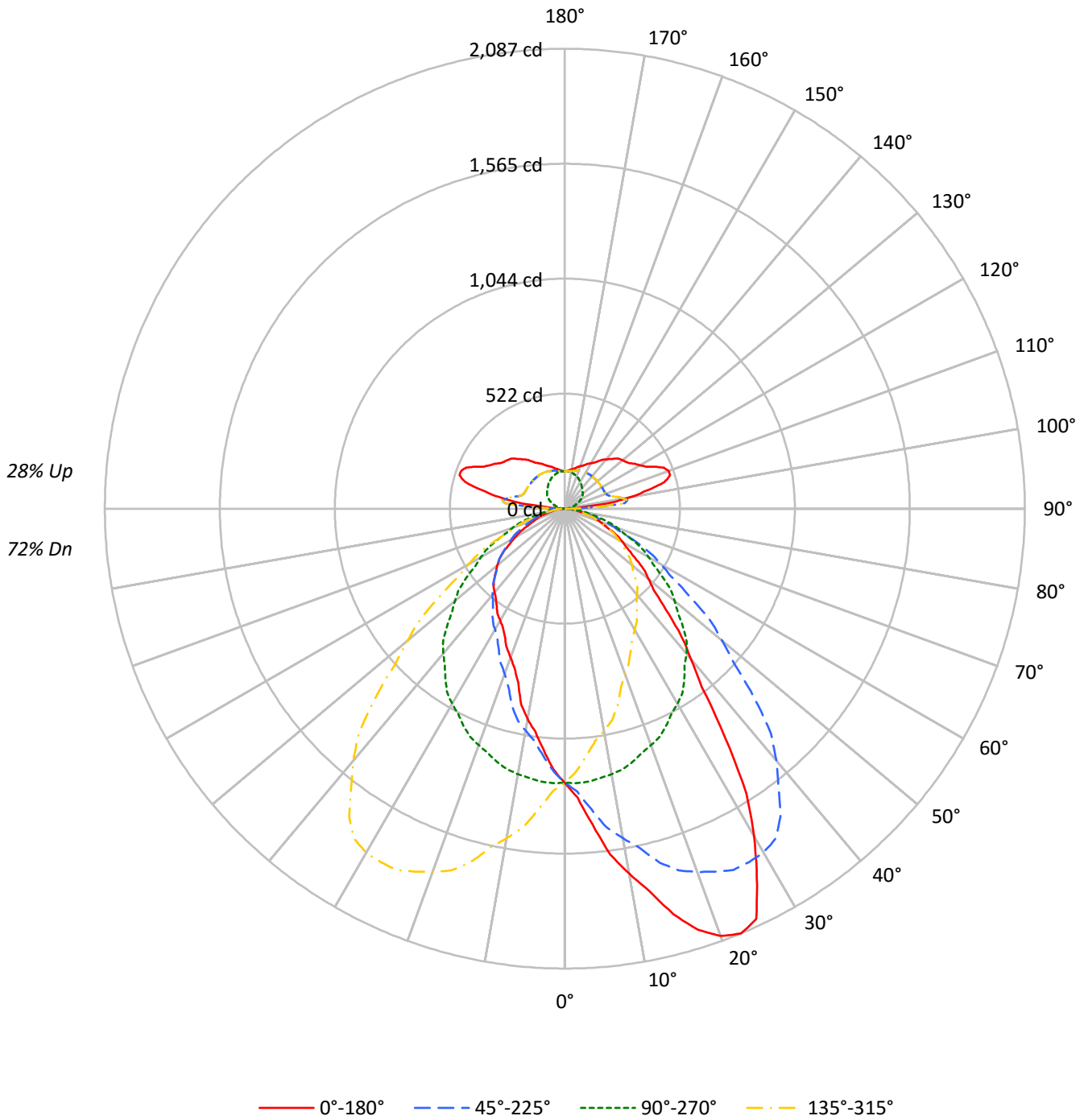
Lumens per Lamp: N/A
Luminaire Lumens: 4379.1 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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: P332927-830
CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	72				72
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62				62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56	53				53
3	87	77	70	64	82	74	67	62	67	62	57	61	56	53	55	51	49	46				46
4	80	69	61	55	75	66	59	53	60	54	50	54	50	46	49	46	42	40				40
5	74	62	54	48	70	59	52	46	54	48	43	49	44	40	45	41	37	35				35
6	68	56	48	42	64	53	46	41	49	43	38	45	40	36	41	36	33	31				31
7	63	51	43	37	60	49	41	36	45	38	34	41	36	32	37	33	30	27				27
8	59	46	38	33	56	44	37	32	41	35	30	37	32	29	34	30	27	25				25
9	55	42	35	30	52	41	34	29	38	32	27	35	29	26	32	27	24	22				22
10	51	39	32	27	49	38	31	26	35	29	25	32	27	23	30	25	22	20				20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10044	10044	10044	10044
5°	11651	10075	8904	10075
10°	13782	10030	7947	10030
15°	15921	9937	6829	9937
20°	17725	9810	6176	9810
25°	18299	9685	5734	9685
30°	16018	9533	5466	9533
35°	12470	9307	5306	9307
40°	9351	9049	5220	9049
45°	7383	8636	5174	8636
50°	6232	8160	5024	8160
55°	5433	7633	4756	7633
60°	4887	7090	4209	7090
65°	4309	6502	3620	6502
70°	3880	5894	3267	5894
75°	3250	5221	2785	5221
80°	2752	4454	2613	4454
85°	2325	3483	2325	3483



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	2.8
10°-20°	363.6	8.3
20°-30°	568.8	13.0
30°-40°	632.3	14.4
40°-50°	561.0	12.8
50°-60°	437.1	10.0
60°-70°	286.2	6.5
70°-80°	140.7	3.2
80°-90°	35.7	0.8
90°-100°	122.5	2.8
100°-110°	254.9	5.8
110°-120°	228.3	5.2
120°-130°	192.0	4.4
130°-140°	160.1	3.7
140°-150°	122.3	2.8
150°-160°	86.0	2.0
160°-170°	50.6	1.2
170°-180°	16.5	0.4
0°-30°	1052.9	24.0
0°-40°	1685.2	38.5
0°-60°	2683.3	61.3
0°-90°	3145.9	71.8
90°-120°	605.7	13.8
90°-150°	1080.2	24.7
90°-180°	1233.0	28.2
0°-180°	4379.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1244	1244	1244	1244	1244	
5°	1438	1243	1099	1243	1438	145
15°	1905	1189	817	1189	1905	542
25°	2054	1087	644	1087	2054	911
35°	1265	944	538	944	1265	793
45°	647	756	453	756	647	512
55°	386	542	338	542	386	351
65°	226	340	190	340	226	227
75°	104	167	89	167	104	115
85°	25	38	25	38	25	28
90°	7	0	7	0	7	7
95°	81	11	81	11	81	126
105°	469	39	469	39	469	463
115°	450	69	450	69	450	447
125°	359	96	359	96	359	326
135°	321	114	321	114	321	248
145°	262	131	262	131	262	166
155°	220	149	220	149	220	102
165°	192	162	192	162	192	55
175°	173	169	173	169	173	17
180°	170	170	170	170	170	



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1312.3	1316.0	1312.3	1311.9	1308.0	1306.7	1305.1	1300.0	1290.2	1284.7	1285.9
5°	1437.7	1450.2	1443.2	1442.2	1431.2	1420.1	1413.1	1397.0	1380.0	1368.5	1359.0
7.5°	1582.6	1589.9	1585.5	1578.4	1560.6	1550.5	1534.2	1513.1	1482.5	1459.2	1437.8
10°	1681.3	1687.3	1685.3	1672.3	1659.3	1632.7	1617.6	1588.1	1549.4	1518.9	1490.3
12.5°	1778.3	1784.8	1767.1	1767.7	1743.0	1722.1	1698.3	1661.0	1616.5	1577.1	1541.2
15°	1904.9	1896.9	1896.9	1886.8	1859.3	1830.1	1805.6	1766.5	1710.3	1663.2	1613.6
17.5°	2003.9	2006.7	2002.6	1979.0	1957.3	1927.2	1882.2	1836.5	1784.4	1721.2	1670.5
20°	2063.2	2063.2	2058.8	2042.7	2014.7	1982.5	1933.9	1884.3	1818.2	1754.4	1697.3
22.5°	2087.4	2089.0	2083.6	2070.4	2045.1	2013.8	1972.5	1922.0	1853.8	1782.2	1711.4
25°	2054.3	2063.8	2064.7	2061.2	2053.7	2034.7	1999.1	1947.5	1886.3	1808.6	1732.4
27.5°	1886.0	1898.0	1908.6	1925.9	1949.0	1961.0	1962.6	1936.4	1883.0	1808.2	1731.5
30°	1718.3	1728.4	1761.0	1803.6	1836.7	1866.8	1892.8	1899.9	1869.8	1802.6	1721.9
32.5°	1532.3	1546.0	1578.6	1624.4	1679.5	1730.4	1788.9	1818.8	1818.1	1777.7	1703.1
35°	1265.3	1275.3	1305.3	1353.5	1419.7	1495.3	1588.1	1660.2	1709.4	1705.8	1660.2
37.5°	1020.4	1031.7	1062.2	1102.0	1166.2	1259.9	1349.6	1449.1	1539.9	1590.9	1575.7
40°	887.3	887.8	917.4	958.5	1018.6	1100.3	1198.1	1308.3	1409.6	1492.3	1508.4
42.5°	782.2	782.3	801.8	846.1	889.5	966.4	1059.7	1169.2	1287.7	1383.3	1425.8
45°	646.7	651.2	667.2	693.8	727.8	793.1	867.7	969.5	1102.3	1215.6	1286.3
47.5°	547.6	554.2	564.4	586.1	613.2	656.7	718.4	809.8	917.9	1042.5	1143.1
50°	496.2	497.3	510.3	522.4	545.9	580.5	634.6	710.8	810.0	929.9	1041.7
52.5°	452.1	451.9	459.8	475.0	494.2	521.1	564.9	634.2	722.3	829.6	945.0
55°	386.0	388.5	394.5	406.5	421.0	440.2	474.7	526.9	596.1	687.8	792.5
57.5°	335.6	337.0	341.7	346.8	360.1	374.0	399.9	436.1	494.5	569.6	667.2
60°	302.7	303.3	304.8	312.3	322.8	335.8	353.4	384.0	433.1	501.8	579.0
62.5°	270.7	271.5	273.9	279.4	287.6	296.5	314.9	339.5	380.1	438.8	508.4
65°	225.6	226.1	229.6	231.6	238.1	246.1	259.7	276.2	304.3	353.4	406.0
67.5°	188.5	188.5	188.7	191.4	195.9	201.2	209.3	222.5	243.7	273.9	320.3
70°	164.4	164.4	165.4	166.9	169.5	173.9	178.4	188.5	204.1	228.6	264.2
72.5°	141.9	142.3	143.4	143.6	145.0	148.6	152.0	158.4	169.9	188.5	217.3
75°	104.2	105.8	108.3	110.3	112.8	112.3	115.8	119.8	123.3	134.3	150.9
77.5°	77.6	76.8	77.1	78.8	79.1	79.6	82.1	85.2	87.8	93.0	99.0
80°	59.2	59.2	60.7	61.2	60.7	61.2	63.6	65.1	66.2	68.1	73.7
82.5°	44.7	45.5	45.1	45.5	45.8	46.3	48.4	48.7	49.8	50.5	52.9
85°	25.1	25.5	26.1	25.1	25.1	25.1	26.1	26.6	27.6	27.1	28.1
87.5°	10.2	9.8	10.3	10.2	10.6	10.2	10.5	11.2	10.4	10.8	10.7
90°	7.0	7.0	7.4	7.0	6.7	6.7	6.3	6.0	5.7	6.0	5.4
92.5°	25.6	25.6	26.8	28.6	32.5	39.2	49.2	65.4	88.0	105.7	92.5
95°	81.2	85.6	91.6	101.9	118.3	150.5	195.2	246.9	279.2	271.5	204.9
97.5°	217.3	224.2	234.2	254.2	278.1	312.9	345.5	364.7	350.7	286.0	191.7
100°	305.5	308.1	318.1	338.5	367.4	392.1	408.4	401.7	353.1	267.9	173.9
102.5°	382.2	384.4	394.9	409.6	427.3	437.6	432.9	399.9	333.1	245.2	161.9
105°	468.7	470.7	475.3	478.1	477.4	463.7	430.7	373.1	296.8	218.5	151.6
107.5°	500.8	499.9	496.6	489.0	472.6	442.8	396.4	335.1	267.5	203.6	149.7
110°	501.3	498.3	492.4	478.3	454.7	418.1	369.8	312.2	252.9	198.5	150.2



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	485.6	480.8	472.4	455.4	428.6	391.9	346.3	295.3	244.6	196.1	151.8
115°	450.1	447.4	436.7	416.7	390.4	358.4	319.4	278.5	236.9	194.9	154.9
117.5°	414.0	411.9	401.1	384.4	361.9	334.8	304.2	270.2	233.4	194.5	158.2
120°	393.8	390.1	381.4	366.7	347.8	324.1	297.5	266.5	231.5	194.5	160.6
122.5°	377.8	374.1	366.7	354.2	338.2	317.4	293.2	263.3	229.4	194.3	163.0
125°	359.1	357.1	350.8	341.1	327.8	309.4	286.4	257.9	225.8	193.9	166.5
127.5°	348.2	346.2	340.8	332.2	318.9	301.5	278.5	251.2	221.1	193.1	169.5
130°	341.8	339.8	334.4	326.1	312.5	294.8	272.2	245.8	218.2	192.8	171.5
132.5°	334.6	332.6	327.5	318.1	304.7	287.1	264.9	240.3	215.6	192.7	173.4
135°	321.1	319.1	313.8	304.4	291.2	274.5	254.2	232.5	211.5	192.2	176.3
137.5°	304.4	302.1	297.7	288.5	276.0	261.0	243.8	225.6	208.1	192.2	177.9
140°	292.5	289.8	285.1	277.9	266.2	252.1	237.1	221.5	206.2	191.9	179.2
142.5°	279.7	277.9	273.7	266.9	256.6	244.4	231.6	217.8	204.6	191.9	180.3
145°	262.1	260.5	257.1	251.5	243.2	233.8	223.9	212.5	201.9	191.2	180.9
147.5°	246.7	246.0	243.6	238.7	232.5	225.2	217.2	208.2	199.4	190.0	181.3
150°	237.8	237.5	235.5	231.2	225.8	219.9	213.2	205.6	197.6	189.2	181.3
152.5°	229.9	229.5	228.3	224.8	220.3	215.4	209.2	202.6	195.4	187.8	180.7
155°	219.5	219.5	218.5	215.8	212.5	208.5	203.5	198.2	192.2	185.9	179.9
157.5°	210.5	210.5	209.9	207.8	205.4	202.2	197.9	193.5	189.0	183.8	179.0
160°	204.9	204.9	204.5	202.6	200.6	197.8	194.2	190.6	186.5	182.2	178.2
162.5°	199.5	199.8	199.4	197.5	196.0	193.6	190.8	187.7	184.5	180.6	177.4
165°	191.5	191.9	192.2	190.9	189.5	187.8	185.6	183.5	180.9	178.2	175.9
167.5°	185.2	185.5	185.6	184.6	184.0	183.0	181.2	179.6	177.7	175.8	174.3
170°	181.3	181.3	181.5	181.3	180.6	179.6	178.2	177.2	175.6	174.2	173.2
172.5°	177.2	177.8	178.0	177.8	177.4	176.6	175.8	175.1	173.7	172.6	172.2
175°	172.6	173.2	173.9	173.2	173.2	173.2	172.6	172.2	171.5	170.9	170.9
177.5°	169.8	170.3	170.9	170.6	170.9	170.6	170.6	170.3	170.1	169.8	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1281.9	1276.3	1273.5	1267.1	1259.4	1255.4	1251.8	1246.6	1239.7	1232.6	1227.3
5°	1346.9	1334.9	1319.8	1301.8	1285.8	1270.3	1256.7	1243.2	1227.7	1211.5	1195.5
7.5°	1413.7	1390.1	1364.5	1334.9	1306.2	1280.0	1255.9	1232.8	1206.7	1183.5	1162.2
10°	1460.2	1428.1	1392.5	1355.0	1317.4	1284.8	1252.7	1223.6	1191.6	1163.0	1138.9
12.5°	1497.9	1460.2	1417.4	1370.6	1325.4	1286.0	1249.1	1211.2	1174.7	1143.7	1111.6
15°	1560.5	1508.8	1451.2	1395.1	1336.4	1282.8	1233.1	1189.0	1147.5	1103.8	1073.3
17.5°	1603.5	1542.2	1472.2	1404.7	1335.4	1272.1	1214.9	1162.3	1114.4	1069.8	1033.4
20°	1629.2	1561.5	1483.8	1407.1	1329.4	1261.7	1200.0	1141.9	1092.3	1044.1	1006.5
22.5°	1643.6	1568.7	1483.8	1403.4	1323.0	1249.7	1182.0	1121.4	1067.4	1019.3	977.7
25°	1648.2	1568.0	1481.3	1389.0	1300.8	1223.1	1152.9	1087.3	1027.1	979.0	934.9
27.5°	1641.8	1547.4	1458.5	1363.9	1272.8	1190.9	1117.3	1048.3	988.1	936.4	891.2
30°	1632.2	1530.9	1435.7	1337.4	1245.2	1166.5	1088.7	1022.6	960.0	906.3	860.7
32.5°	1611.3	1510.9	1408.3	1307.8	1214.3	1133.2	1059.5	993.0	931.5	876.7	828.2
35°	1570.0	1468.3	1357.0	1253.7	1162.0	1077.7	1008.6	944.4	885.8	827.1	776.0
37.5°	1515.6	1411.6	1300.9	1187.8	1096.0	1016.5	953.0	892.8	835.6	782.0	725.4
40°	1464.2	1369.5	1255.2	1142.9	1048.7	971.9	913.3	858.7	801.1	747.9	691.3
42.5°	1402.0	1321.4	1205.9	1093.2	1000.1	926.2	871.7	818.2	765.7	714.3	655.2
45°	1298.4	1237.2	1128.9	1020.6	926.9	853.7	803.5	756.4	710.3	661.2	605.6
47.5°	1179.4	1138.0	1044.5	933.7	847.0	781.1	732.6	694.2	655.2	606.1	557.2
50°	1096.8	1070.3	980.0	878.7	796.1	735.4	685.8	649.7	617.1	570.0	526.3
52.5°	1008.6	994.5	918.2	821.4	741.5	682.0	639.6	607.2	574.2	535.1	494.3
55°	874.2	881.7	817.1	733.4	658.2	608.0	569.5	542.3	514.3	481.3	449.7
57.5°	736.9	764.3	721.0	647.4	576.9	530.7	501.6	478.8	455.2	427.8	400.9
60°	654.7	677.7	653.2	588.5	526.9	483.7	456.7	439.1	415.6	390.5	369.9
62.5°	574.5	599.2	584.6	532.3	475.1	438.0	414.2	397.8	380.3	358.4	337.1
65°	473.7	489.7	482.8	446.7	406.0	374.5	352.4	340.4	324.3	308.3	289.3
67.5°	362.8	393.8	389.7	370.5	335.5	310.8	296.3	285.7	271.1	259.2	246.2
70°	298.2	326.9	326.3	310.8	291.7	268.7	258.6	249.7	236.6	225.1	214.5
72.5°	244.1	270.3	274.2	262.3	249.2	231.8	222.2	215.9	203.3	195.4	186.9
75°	171.0	190.0	195.0	195.0	189.0	179.9	171.4	167.4	158.4	151.4	146.4
77.5°	112.1	124.1	132.0	133.7	134.7	131.7	124.6	121.8	114.9	112.4	107.5
80°	79.2	87.2	96.2	99.2	101.8	100.8	97.7	95.8	89.3	86.7	84.7
82.5°	54.8	59.2	66.5	73.1	72.5	75.1	72.5	70.9	66.0	65.0	63.1
85°	28.6	29.0	30.1	34.6	37.1	38.1	38.6	37.6	36.1	36.1	32.6
87.5°	10.6	10.2	10.6	10.6	10.9	12.4	13.5	13.7	12.6	11.6	10.5
90°	4.6	4.6	2.6	2.6	2.4	2.0	1.0	0.4	1.0	2.0	2.4
92.5°	67.3	41.5	24.5	17.6	12.7	8.7	5.6	3.8	5.6	8.7	12.7
95°	125.3	70.6	41.7	27.6	19.7	15.4	12.0	11.0	12.0	15.4	19.7
97.5°	112.6	67.5	45.1	33.5	26.6	22.6	19.7	19.7	19.7	22.6	26.6
100°	105.9	68.3	48.6	38.0	31.7	27.6	25.4	25.4	25.4	27.6	31.7
102.5°	104.1	71.0	53.2	43.1	36.9	33.3	31.2	30.6	31.2	33.3	36.9
105°	104.9	77.3	61.3	51.7	45.6	41.7	40.0	39.0	40.0	41.7	45.6
107.5°	109.9	84.6	70.0	60.5	54.8	50.5	48.8	48.2	48.8	50.5	54.8
110°	113.6	90.3	75.6	66.6	60.6	56.6	55.0	54.3	55.0	56.6	60.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	117.6	95.6	81.4	72.5	66.4	62.8	60.8	60.1	60.8	62.8	66.4
115°	123.9	104.0	90.6	81.6	75.3	71.9	69.7	68.6	69.7	71.9	75.3
117.5°	130.4	112.0	99.3	90.0	84.1	80.4	78.3	77.4	78.3	80.4	84.1
120°	134.9	117.6	104.9	95.6	89.9	86.2	84.0	83.3	84.0	86.2	89.9
122.5°	139.2	122.9	110.3	101.2	95.0	91.6	89.3	88.6	89.3	91.6	95.0
125°	145.5	130.3	118.3	109.0	102.6	99.0	96.9	95.6	96.9	99.0	102.6
127.5°	151.1	137.0	125.5	116.0	109.4	105.3	102.8	101.8	102.8	105.3	109.4
130°	154.6	141.6	130.3	120.6	114.2	109.2	106.6	105.3	106.6	109.2	114.2
132.5°	158.1	145.3	133.9	124.9	118.0	113.3	109.8	108.8	109.8	113.3	118.0
135°	162.6	150.5	139.6	130.9	123.9	118.3	114.9	113.6	114.9	118.3	123.9
137.5°	165.8	154.6	144.3	136.0	128.8	123.4	119.7	118.5	119.7	123.4	128.8
140°	167.9	157.2	147.2	139.2	132.2	126.6	122.9	122.0	122.9	126.6	132.2
142.5°	169.5	159.7	149.9	142.1	135.4	130.1	126.7	125.6	126.7	130.1	135.4
145°	171.3	162.2	153.5	146.3	139.9	135.3	132.0	130.9	132.0	135.3	139.9
147.5°	172.8	164.9	156.7	150.1	144.9	140.2	137.1	136.9	137.1	140.2	144.9
150°	173.5	166.3	158.9	152.6	147.6	143.5	140.9	140.5	140.9	143.5	147.6
152.5°	174.1	167.3	160.8	155.0	150.5	146.8	144.1	144.0	144.1	146.8	150.5
155°	174.6	168.9	163.2	158.3	154.6	151.3	149.2	148.9	149.2	151.3	154.6
157.5°	174.6	170.0	165.2	161.3	158.1	155.5	153.6	153.6	153.6	155.5	158.1
160°	174.6	170.6	166.5	162.9	160.2	157.9	156.6	156.6	156.6	157.9	160.2
162.5°	174.6	171.1	167.4	164.5	162.1	160.0	159.0	159.2	159.0	160.0	162.1
165°	173.9	171.3	168.2	166.3	164.6	162.9	162.2	162.2	162.2	162.9	164.6
167.5°	173.1	171.2	169.0	167.4	166.5	165.2	164.9	165.2	164.9	165.2	166.5
170°	172.6	170.9	169.2	168.2	167.6	166.5	166.3	166.5	166.3	166.5	167.6
172.5°	172.0	170.6	169.5	168.7	168.3	167.6	167.6	167.9	167.6	167.6	168.3
175°	171.3	170.2	169.6	169.6	169.2	168.9	168.9	169.2	168.9	168.9	169.2
177.5°	170.3	169.8	169.6	169.6	169.6	169.3	169.6	169.8	169.6	169.3	169.6
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1221.7	1217.7	1212.5	1206.5	1199.3	1192.9	1190.1	1192.4	1193.6	1190.4	1190.1
5°	1184.5	1172.0	1162.0	1146.9	1134.9	1124.8	1117.9	1114.8	1115.9	1107.9	1105.8
7.5°	1142.7	1127.8	1111.4	1093.6	1076.9	1062.2	1054.5	1050.3	1041.8	1038.1	1032.0
10°	1115.9	1095.8	1079.8	1058.7	1039.6	1022.1	1013.6	1006.5	998.1	994.0	985.5
12.5°	1088.2	1064.9	1047.3	1025.4	1006.0	984.8	976.7	963.7	950.4	941.9	930.9
15°	1049.1	1021.2	999.6	973.5	950.5	926.3	904.8	880.7	871.8	852.7	841.7
17.5°	1003.5	975.1	948.4	913.4	877.9	848.0	825.0	801.9	788.2	776.0	770.3
20°	973.5	947.4	910.3	869.7	830.1	797.0	778.4	763.5	748.4	739.9	733.9
22.5°	945.0	911.7	868.6	824.8	785.2	759.3	743.6	728.1	716.0	707.8	699.7
25°	897.3	853.7	808.0	757.9	730.8	708.3	691.3	678.7	671.2	660.7	656.7
27.5°	848.3	795.4	745.1	711.4	683.2	662.6	647.7	638.3	628.8	622.1	616.9
30°	810.6	757.0	711.8	679.8	651.2	634.1	622.1	611.1	603.5	598.0	594.0
32.5°	773.3	719.6	681.7	647.2	624.7	608.0	595.2	587.0	581.1	574.0	571.6
35°	719.3	671.8	638.7	607.6	584.5	569.5	559.4	550.9	545.9	543.8	542.3
37.5°	667.5	628.5	593.0	567.4	546.9	535.1	523.2	519.1	515.6	512.0	513.6
40°	634.6	598.0	566.5	539.4	522.8	509.8	502.8	497.8	494.7	494.7	494.7
42.5°	606.1	570.3	539.6	515.3	498.8	487.8	479.9	475.7	474.7	474.3	476.7
45°	561.9	528.9	497.8	477.7	463.6	452.6	448.2	444.6	444.6	446.7	447.1
47.5°	518.1	487.1	462.2	439.7	426.9	420.0	416.0	414.2	414.4	416.5	418.8
50°	491.3	460.7	436.1	416.0	404.1	397.5	394.0	393.0	394.0	394.0	397.5
52.5°	461.9	434.6	410.5	393.6	379.9	373.8	371.9	370.5	371.2	372.8	374.3
55°	419.1	394.5	371.5	355.4	345.3	341.4	336.9	337.3	336.4	337.3	337.3
57.5°	376.1	354.0	332.5	319.8	311.0	305.2	300.3	301.7	300.2	300.0	299.2
60°	348.4	324.3	307.3	295.8	285.7	280.7	276.2	277.2	275.7	274.7	272.7
62.5°	318.3	298.2	282.0	270.9	262.9	257.0	252.5	251.6	248.1	244.6	240.3
65°	274.7	258.2	243.6	233.1	225.6	221.0	217.5	214.5	207.0	199.0	195.0
67.5°	232.3	220.4	206.8	197.9	191.8	185.9	179.2	174.1	167.0	162.6	160.1
70°	205.0	193.5	182.0	173.4	166.9	161.5	153.9	150.4	145.3	143.4	140.8
72.5°	179.0	168.2	157.5	149.8	142.9	138.6	132.6	129.1	127.0	126.1	123.7
75°	139.4	130.8	122.8	115.8	110.3	107.3	104.8	102.3	101.2	96.7	94.3
77.5°	101.7	96.0	91.0	86.1	82.1	80.1	75.3	72.4	70.7	68.6	68.1
80°	79.2	75.2	70.2	67.2	61.6	59.7	57.7	57.1	56.6	56.2	55.6
82.5°	59.6	55.5	50.5	48.7	47.2	46.0	44.8	44.3	43.8	44.1	44.0
85°	30.1	28.1	28.1	27.6	27.1	26.6	26.1	26.1	25.5	26.1	25.5
87.5°	10.6	10.2	10.6	9.7	10.3	10.5	10.0	10.0	10.5	9.7	9.7
90°	2.6	2.6	4.6	4.6	5.4	6.0	5.7	6.0	6.3	6.7	6.7
92.5°	17.6	24.5	41.5	67.3	92.5	105.7	88.0	65.4	49.2	39.2	32.5
95°	27.6	41.7	70.6	125.3	204.9	271.5	279.2	246.9	195.2	150.5	118.3
97.5°	33.5	45.1	67.5	112.6	191.7	286.0	350.7	364.7	345.5	312.9	278.1
100°	38.0	48.6	68.3	105.9	173.9	267.9	353.1	401.7	408.4	392.1	367.4
102.5°	43.1	53.2	71.0	104.1	161.9	245.2	333.1	399.9	432.9	437.6	427.3
105°	51.7	61.3	77.3	104.9	151.6	218.5	296.8	373.1	430.7	463.7	477.4
107.5°	60.5	70.0	84.6	109.9	149.7	203.6	267.5	335.1	396.4	442.8	472.6
110°	66.6	75.6	90.3	113.6	150.2	198.5	252.9	312.2	369.8	418.1	454.7



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.5	81.4	95.6	117.6	151.8	196.1	244.6	295.3	346.3	391.9	428.6
115°	81.6	90.6	104.0	123.9	154.9	194.9	236.9	278.5	319.4	358.4	390.4
117.5°	90.0	99.3	112.0	130.4	158.2	194.5	233.4	270.2	304.2	334.8	361.9
120°	95.6	104.9	117.6	134.9	160.6	194.5	231.5	266.5	297.5	324.1	347.8
122.5°	101.2	110.3	122.9	139.2	163.0	194.3	229.4	263.3	293.2	317.4	338.2
125°	109.0	118.3	130.3	145.5	166.5	193.9	225.8	257.9	286.4	309.4	327.8
127.5°	116.0	125.5	137.0	151.1	169.5	193.1	221.1	251.2	278.5	301.5	318.9
130°	120.6	130.3	141.6	154.6	171.5	192.8	218.2	245.8	272.2	294.8	312.5
132.5°	124.9	133.9	145.3	158.1	173.4	192.7	215.6	240.3	264.9	287.1	304.7
135°	130.9	139.6	150.5	162.6	176.3	192.2	211.5	232.5	254.2	274.5	291.2
137.5°	136.0	144.3	154.6	165.8	177.9	192.2	208.1	225.6	243.8	261.0	276.0
140°	139.2	147.2	157.2	167.9	179.2	191.9	206.2	221.5	237.1	252.1	266.2
142.5°	142.1	149.9	159.7	169.5	180.3	191.9	204.6	217.8	231.6	244.4	256.6
145°	146.3	153.5	162.2	171.3	180.9	191.2	201.9	212.5	223.9	233.8	243.2
147.5°	150.1	156.7	164.9	172.8	181.3	190.0	199.4	208.2	217.2	225.2	232.5
150°	152.6	158.9	166.3	173.5	181.3	189.2	197.6	205.6	213.2	219.9	225.8
152.5°	155.0	160.8	167.3	174.1	180.7	187.8	195.4	202.6	209.2	215.4	220.3
155°	158.3	163.2	168.9	174.6	179.9	185.9	192.2	198.2	203.5	208.5	212.5
157.5°	161.3	165.2	170.0	174.6	179.0	183.8	189.0	193.5	197.9	202.2	205.4
160°	162.9	166.5	170.6	174.6	178.2	182.2	186.5	190.6	194.2	197.8	200.6
162.5°	164.5	167.4	171.1	174.6	177.4	180.6	184.5	187.7	190.8	193.6	196.0
165°	166.3	168.2	171.3	173.9	175.9	178.2	180.9	183.5	185.6	187.8	189.5
167.5°	167.4	169.0	171.2	173.1	174.3	175.8	177.7	179.6	181.2	183.0	184.0
170°	168.2	169.2	170.9	172.6	173.2	174.2	175.6	177.2	178.2	179.6	180.6
172.5°	168.7	169.5	170.6	172.0	172.2	172.6	173.7	175.1	175.8	176.6	177.4
175°	169.6	169.6	170.2	171.3	170.9	170.9	171.5	172.2	172.6	173.2	173.2
177.5°	169.6	169.6	169.8	170.3	169.8	169.8	170.1	170.3	170.6	170.6	170.9
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1187.6	1188.5	1185.6	1184.8	1185.6	1188.5	1187.6	1190.1	1190.4	1193.6	1192.4
5°	1101.8	1100.8	1098.3	1098.8	1098.3	1100.8	1101.8	1105.8	1107.9	1115.9	1114.8
7.5°	1028.4	1024.5	1025.6	1021.6	1025.6	1024.5	1028.4	1032.0	1038.1	1041.8	1050.3
10°	983.5	978.0	973.5	969.5	973.5	978.0	983.5	985.5	994.0	998.1	1006.5
12.5°	922.2	917.5	911.3	912.6	911.3	917.5	922.2	930.9	941.9	950.4	963.7
15°	835.1	827.6	815.6	817.1	815.6	827.6	835.1	841.7	852.7	871.8	880.7
17.5°	761.5	761.6	756.0	757.3	756.0	761.6	761.5	770.3	776.0	788.2	801.9
20°	723.3	719.8	720.3	718.9	720.3	719.8	723.3	733.9	739.9	748.4	763.5
22.5°	696.9	692.6	689.1	686.0	689.1	692.6	696.9	699.7	707.8	716.0	728.1
25°	652.1	649.1	644.6	643.7	644.6	649.1	652.1	656.7	660.7	671.2	678.7
27.5°	612.8	612.3	610.5	608.1	610.5	612.3	612.8	616.9	622.1	628.8	638.3
30°	590.0	589.0	588.0	586.4	588.0	589.0	590.0	594.0	598.0	603.5	611.1
32.5°	569.6	568.9	568.0	568.1	568.0	568.9	569.6	571.6	574.0	581.1	587.0
35°	540.4	539.9	538.9	538.4	538.9	539.9	540.4	542.3	543.8	545.9	550.9
37.5°	513.1	514.4	513.8	513.7	513.8	514.4	513.1	513.6	512.0	515.6	519.1
40°	494.3	494.7	495.8	495.3	495.8	494.7	494.3	494.7	494.7	494.7	497.8
42.5°	478.6	478.7	480.1	478.4	480.1	478.7	478.6	476.7	474.3	474.7	475.7
45°	450.6	453.6	453.2	453.2	453.2	453.6	450.6	447.1	446.7	444.6	444.6
47.5°	420.1	422.6	423.4	423.3	423.4	422.6	420.1	418.8	416.5	414.4	414.2
50°	400.0	399.0	400.5	400.0	400.5	399.0	400.0	397.5	394.0	394.0	393.0
52.5°	375.6	375.8	375.7	375.1	375.7	375.8	375.6	374.3	372.8	371.2	370.5
55°	337.9	338.4	337.3	337.9	337.3	338.4	337.9	337.3	337.3	336.4	337.3
57.5°	297.0	294.5	295.6	294.4	295.6	294.5	297.0	299.2	300.0	300.2	301.7
60°	267.7	263.6	262.7	260.7	262.7	263.6	267.7	272.7	274.7	275.7	277.2
62.5°	234.8	232.0	228.6	230.2	228.6	232.0	234.8	240.3	244.6	248.1	251.6
65°	191.0	189.0	187.5	189.5	187.5	189.0	191.0	195.0	199.0	207.0	214.5
67.5°	158.1	157.0	157.0	156.0	157.0	157.0	158.1	160.1	162.6	167.0	174.1
70°	140.8	139.4	139.4	138.4	139.4	139.4	140.8	140.8	143.4	145.3	150.4
72.5°	123.2	121.7	122.2	121.5	122.2	121.7	123.2	123.7	126.1	127.0	129.1
75°	91.2	88.7	88.7	89.3	88.7	88.7	91.2	94.3	96.7	101.2	102.3
77.5°	68.1	67.6	68.2	67.4	68.2	67.6	68.1	68.1	68.6	70.7	72.4
80°	55.6	55.1	54.7	56.2	54.7	55.1	55.6	55.6	56.2	56.6	57.1
82.5°	43.2	43.1	43.0	45.0	43.0	43.1	43.2	44.0	44.1	43.8	44.3
85°	26.1	25.1	26.1	25.1	26.1	25.1	26.1	25.5	26.1	25.5	26.1
87.5°	10.7	10.3	9.8	10.2	9.8	10.3	10.7	9.7	9.7	10.5	10.0
90°	7.0	7.4	7.0	7.0	7.0	7.4	7.0	6.7	6.7	6.3	6.0
92.5°	28.6	26.8	25.6	25.6	25.6	26.8	28.6	32.5	39.2	49.2	65.4
95°	101.9	91.6	85.6	81.2	85.6	91.6	101.9	118.3	150.5	195.2	246.9
97.5°	254.2	234.2	224.2	217.3	224.2	234.2	254.2	278.1	312.9	345.5	364.7
100°	338.5	318.1	308.1	305.5	308.1	318.1	338.5	367.4	392.1	408.4	401.7
102.5°	409.6	394.9	384.4	382.2	384.4	394.9	409.6	427.3	437.6	432.9	399.9
105°	478.1	475.3	470.7	468.7	470.7	475.3	478.1	477.4	463.7	430.7	373.1
107.5°	489.0	496.6	499.9	500.8	499.9	496.6	489.0	472.6	442.8	396.4	335.1
110°	478.3	492.4	498.3	501.3	498.3	492.4	478.3	454.7	418.1	369.8	312.2



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	455.4	472.4	480.8	485.6	480.8	472.4	455.4	428.6	391.9	346.3	295.3
115°	416.7	436.7	447.4	450.1	447.4	436.7	416.7	390.4	358.4	319.4	278.5
117.5°	384.4	401.1	411.9	414.0	411.9	401.1	384.4	361.9	334.8	304.2	270.2
120°	366.7	381.4	390.1	393.8	390.1	381.4	366.7	347.8	324.1	297.5	266.5
122.5°	354.2	366.7	374.1	377.8	374.1	366.7	354.2	338.2	317.4	293.2	263.3
125°	341.1	350.8	357.1	359.1	357.1	350.8	341.1	327.8	309.4	286.4	257.9
127.5°	332.2	340.8	346.2	348.2	346.2	340.8	332.2	318.9	301.5	278.5	251.2
130°	326.1	334.4	339.8	341.8	339.8	334.4	326.1	312.5	294.8	272.2	245.8
132.5°	318.1	327.5	332.6	334.6	332.6	327.5	318.1	304.7	287.1	264.9	240.3
135°	304.4	313.8	319.1	321.1	319.1	313.8	304.4	291.2	274.5	254.2	232.5
137.5°	288.5	297.7	302.1	304.4	302.1	297.7	288.5	276.0	261.0	243.8	225.6
140°	277.9	285.1	289.8	292.5	289.8	285.1	277.9	266.2	252.1	237.1	221.5
142.5°	266.9	273.7	277.9	279.7	277.9	273.7	266.9	256.6	244.4	231.6	217.8
145°	251.5	257.1	260.5	262.1	260.5	257.1	251.5	243.2	233.8	223.9	212.5
147.5°	238.7	243.6	246.0	246.7	246.0	243.6	238.7	232.5	225.2	217.2	208.2
150°	231.2	235.5	237.5	237.8	237.5	235.5	231.2	225.8	219.9	213.2	205.6
152.5°	224.8	228.3	229.5	229.9	229.5	228.3	224.8	220.3	215.4	209.2	202.6
155°	215.8	218.5	219.5	219.5	219.5	218.5	215.8	212.5	208.5	203.5	198.2
157.5°	207.8	209.9	210.5	210.5	210.5	209.9	207.8	205.4	202.2	197.9	193.5
160°	202.6	204.5	204.9	204.9	204.9	204.5	202.6	200.6	197.8	194.2	190.6
162.5°	197.5	199.4	199.8	199.5	199.8	199.4	197.5	196.0	193.6	190.8	187.7
165°	190.9	192.2	191.9	191.5	191.9	192.2	190.9	189.5	187.8	185.6	183.5
167.5°	184.6	185.6	185.5	185.2	185.5	185.6	184.6	184.0	183.0	181.2	179.6
170°	181.3	181.5	181.3	181.3	181.3	181.5	181.3	180.6	179.6	178.2	177.2
172.5°	177.8	178.0	177.8	177.2	177.8	178.0	177.8	177.4	176.6	175.8	175.1
175°	173.2	173.9	173.2	172.6	173.2	173.9	173.2	173.2	173.2	172.6	172.2
177.5°	170.6	170.9	170.3	169.8	170.3	170.9	170.6	170.9	170.6	170.6	170.3
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1190.1	1192.9	1199.3	1206.5	1212.5	1217.7	1221.7	1227.3	1232.6	1239.7	1246.6
5°	1117.9	1124.8	1134.9	1146.9	1162.0	1172.0	1184.5	1195.5	1211.5	1227.7	1243.2
7.5°	1054.5	1062.2	1076.9	1093.6	1111.4	1127.8	1142.7	1162.2	1183.5	1206.7	1232.8
10°	1013.6	1022.1	1039.6	1058.7	1079.8	1095.8	1115.9	1138.9	1163.0	1191.6	1223.6
12.5°	976.7	984.8	1006.0	1025.4	1047.3	1064.9	1088.2	1111.6	1143.7	1174.7	1211.2
15°	904.8	926.3	950.5	973.5	999.6	1021.2	1049.1	1073.3	1103.8	1147.5	1189.0
17.5°	825.0	848.0	877.9	913.4	948.4	975.1	1003.5	1033.4	1069.8	1114.4	1162.3
20°	778.4	797.0	830.1	869.7	910.3	947.4	973.5	1006.5	1044.1	1092.3	1141.9
22.5°	743.6	759.3	785.2	824.8	868.6	911.7	945.0	977.7	1019.3	1067.4	1121.4
25°	691.3	708.3	730.8	757.9	808.0	853.7	897.3	934.9	979.0	1027.1	1087.3
27.5°	647.7	662.6	683.2	711.4	745.1	795.4	848.3	891.2	936.4	988.1	1048.3
30°	622.1	634.1	651.2	679.8	711.8	757.0	810.6	860.7	906.3	960.0	1022.6
32.5°	595.2	608.0	624.7	647.2	681.7	719.6	773.3	828.2	876.7	931.5	993.0
35°	559.4	569.5	584.5	607.6	638.7	671.8	719.3	776.0	827.1	885.8	944.4
37.5°	523.2	535.1	546.9	567.4	593.0	628.5	667.5	725.4	782.0	835.6	892.8
40°	502.8	509.8	522.8	539.4	566.5	598.0	634.6	691.3	747.9	801.1	858.7
42.5°	479.9	487.8	498.8	515.3	539.6	570.3	606.1	655.2	714.3	765.7	818.2
45°	448.2	452.6	463.6	477.7	497.8	528.9	561.9	605.6	661.2	710.3	756.4
47.5°	416.0	420.0	426.9	439.7	462.2	487.1	518.1	557.2	606.1	655.2	694.2
50°	394.0	397.5	404.1	416.0	436.1	460.7	491.3	526.3	570.0	617.1	649.7
52.5°	371.9	373.8	379.9	393.6	410.5	434.6	461.9	494.3	535.1	574.2	607.2
55°	336.9	341.4	345.3	355.4	371.5	394.5	419.1	449.7	481.3	514.3	542.3
57.5°	300.3	305.2	311.0	319.8	332.5	354.0	376.1	400.9	427.8	455.2	478.8
60°	276.2	280.7	285.7	295.8	307.3	324.3	348.4	369.9	390.5	415.6	439.1
62.5°	252.5	257.0	262.9	270.9	282.0	298.2	318.3	337.1	358.4	380.3	397.8
65°	217.5	221.0	225.6	233.1	243.6	258.2	274.7	289.3	308.3	324.3	340.4
67.5°	179.2	185.9	191.8	197.9	206.8	220.4	232.3	246.2	259.2	271.1	285.7
70°	153.9	161.5	166.9	173.4	182.0	193.5	205.0	214.5	225.1	236.6	249.7
72.5°	132.6	138.6	142.9	149.8	157.5	168.2	179.0	186.9	195.4	203.3	215.9
75°	104.8	107.3	110.3	115.8	122.8	130.8	139.4	146.4	151.4	158.4	167.4
77.5°	75.3	80.1	82.1	86.1	91.0	96.0	101.7	107.5	112.4	114.9	121.8
80°	57.7	59.7	61.6	67.2	70.2	75.2	79.2	84.7	86.7	89.3	95.8
82.5°	44.8	46.0	47.2	48.7	50.5	55.5	59.6	63.1	65.0	66.0	70.9
85°	26.1	26.6	27.1	27.6	28.1	28.1	30.1	32.6	36.1	36.1	37.6
87.5°	10.0	10.5	10.3	9.7	10.6	10.2	10.6	10.5	11.6	12.6	13.7
90°	5.7	6.0	5.4	4.6	4.6	2.6	2.6	2.4	2.0	1.0	0.4
92.5°	88.0	105.7	92.5	67.3	41.5	24.5	17.6	12.7	8.7	5.6	3.8
95°	279.2	271.5	204.9	125.3	70.6	41.7	27.6	19.7	15.4	12.0	11.0
97.5°	350.7	286.0	191.7	112.6	67.5	45.1	33.5	26.6	22.6	19.7	19.7
100°	353.1	267.9	173.9	105.9	68.3	48.6	38.0	31.7	27.6	25.4	25.4
102.5°	333.1	245.2	161.9	104.1	71.0	53.2	43.1	36.9	33.3	31.2	30.6
105°	296.8	218.5	151.6	104.9	77.3	61.3	51.7	45.6	41.7	40.0	39.0
107.5°	267.5	203.6	149.7	109.9	84.6	70.0	60.5	54.8	50.5	48.8	48.2
110°	252.9	198.5	150.2	113.6	90.3	75.6	66.6	60.6	56.6	55.0	54.3



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	244.6	196.1	151.8	117.6	95.6	81.4	72.5	66.4	62.8	60.8	60.1
115°	236.9	194.9	154.9	123.9	104.0	90.6	81.6	75.3	71.9	69.7	68.6
117.5°	233.4	194.5	158.2	130.4	112.0	99.3	90.0	84.1	80.4	78.3	77.4
120°	231.5	194.5	160.6	134.9	117.6	104.9	95.6	89.9	86.2	84.0	83.3
122.5°	229.4	194.3	163.0	139.2	122.9	110.3	101.2	95.0	91.6	89.3	88.6
125°	225.8	193.9	166.5	145.5	130.3	118.3	109.0	102.6	99.0	96.9	95.6
127.5°	221.1	193.1	169.5	151.1	137.0	125.5	116.0	109.4	105.3	102.8	101.8
130°	218.2	192.8	171.5	154.6	141.6	130.3	120.6	114.2	109.2	106.6	105.3
132.5°	215.6	192.7	173.4	158.1	145.3	133.9	124.9	118.0	113.3	109.8	108.8
135°	211.5	192.2	176.3	162.6	150.5	139.6	130.9	123.9	118.3	114.9	113.6
137.5°	208.1	192.2	177.9	165.8	154.6	144.3	136.0	128.8	123.4	119.7	118.5
140°	206.2	191.9	179.2	167.9	157.2	147.2	139.2	132.2	126.6	122.9	122.0
142.5°	204.6	191.9	180.3	169.5	159.7	149.9	142.1	135.4	130.1	126.7	125.6
145°	201.9	191.2	180.9	171.3	162.2	153.5	146.3	139.9	135.3	132.0	130.9
147.5°	199.4	190.0	181.3	172.8	164.9	156.7	150.1	144.9	140.2	137.1	136.9
150°	197.6	189.2	181.3	173.5	166.3	158.9	152.6	147.6	143.5	140.9	140.5
152.5°	195.4	187.8	180.7	174.1	167.3	160.8	155.0	150.5	146.8	144.1	144.0
155°	192.2	185.9	179.9	174.6	168.9	163.2	158.3	154.6	151.3	149.2	148.9
157.5°	189.0	183.8	179.0	174.6	170.0	165.2	161.3	158.1	155.5	153.6	153.6
160°	186.5	182.2	178.2	174.6	170.6	166.5	162.9	160.2	157.9	156.6	156.6
162.5°	184.5	180.6	177.4	174.6	171.1	167.4	164.5	162.1	160.0	159.0	159.2
165°	180.9	178.2	175.9	173.9	171.3	168.2	166.3	164.6	162.9	162.2	162.2
167.5°	177.7	175.8	174.3	173.1	171.2	169.0	167.4	166.5	165.2	164.9	165.2
170°	175.6	174.2	173.2	172.6	170.9	169.2	168.2	167.6	166.5	166.3	166.5
172.5°	173.7	172.6	172.2	172.0	170.6	169.5	168.7	168.3	167.6	167.6	167.9
175°	171.5	170.9	170.9	171.3	170.2	169.6	169.6	169.2	168.9	168.9	169.2
177.5°	170.1	169.8	169.8	170.3	169.8	169.6	169.6	169.6	169.3	169.6	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1251.8	1255.4	1259.4	1267.1	1273.5	1276.3	1281.9	1285.9	1284.7	1290.2	1300.0
5°	1256.7	1270.3	1285.8	1301.8	1319.8	1334.9	1346.9	1359.0	1368.5	1380.0	1397.0
7.5°	1255.9	1280.0	1306.2	1334.9	1364.5	1390.1	1413.7	1437.8	1459.2	1482.5	1513.1
10°	1252.7	1284.8	1317.4	1355.0	1392.5	1428.1	1460.2	1490.3	1518.9	1549.4	1588.1
12.5°	1249.1	1286.0	1325.4	1370.6	1417.4	1460.2	1497.9	1541.2	1577.1	1616.5	1661.0
15°	1233.1	1282.8	1336.4	1395.1	1451.2	1508.8	1560.5	1613.6	1663.2	1710.3	1766.5
17.5°	1214.9	1272.1	1335.4	1404.7	1472.2	1542.2	1603.5	1670.5	1721.2	1784.4	1836.5
20°	1200.0	1261.7	1329.4	1407.1	1483.8	1561.5	1629.2	1697.3	1754.4	1818.2	1884.3
22.5°	1182.0	1249.7	1323.0	1403.4	1483.8	1568.7	1643.6	1711.4	1782.2	1853.8	1922.0
25°	1152.9	1223.1	1300.8	1389.0	1481.3	1568.0	1648.2	1732.4	1808.6	1886.3	1947.5
27.5°	1117.3	1190.9	1272.8	1363.9	1458.5	1547.4	1641.8	1731.5	1808.2	1883.0	1936.4
30°	1088.7	1166.5	1245.2	1337.4	1435.7	1530.9	1632.2	1721.9	1802.6	1869.8	1899.9
32.5°	1059.5	1133.2	1214.3	1307.8	1408.3	1510.9	1611.3	1703.1	1777.7	1818.1	1818.8
35°	1008.6	1077.7	1162.0	1253.7	1357.0	1468.3	1570.0	1660.2	1705.8	1709.4	1660.2
37.5°	953.0	1016.5	1096.0	1187.8	1300.9	1411.6	1515.6	1575.7	1590.9	1539.9	1449.1
40°	913.3	971.9	1048.7	1142.9	1255.2	1369.5	1464.2	1508.4	1492.3	1409.6	1308.3
42.5°	871.7	926.2	1000.1	1093.2	1205.9	1321.4	1402.0	1425.8	1383.3	1287.7	1169.2
45°	803.5	853.7	926.9	1020.6	1128.9	1237.2	1298.4	1286.3	1215.6	1102.3	969.5
47.5°	732.6	781.1	847.0	933.7	1044.5	1138.0	1179.4	1143.1	1042.5	917.9	809.8
50°	685.8	735.4	796.1	878.7	980.0	1070.3	1096.8	1041.7	929.9	810.0	710.8
52.5°	639.6	682.0	741.5	821.4	918.2	994.5	1008.6	945.0	829.6	722.3	634.2
55°	569.5	608.0	658.2	733.4	817.1	881.7	874.2	792.5	687.8	596.1	526.9
57.5°	501.6	530.7	576.9	647.4	721.0	764.3	736.9	667.2	569.6	494.5	436.1
60°	456.7	483.7	526.9	588.5	653.2	677.7	654.7	579.0	501.8	433.1	384.0
62.5°	414.2	438.0	475.1	532.3	584.6	599.2	574.5	508.4	438.8	380.1	339.5
65°	352.4	374.5	406.0	446.7	482.8	489.7	473.7	406.0	353.4	304.3	276.2
67.5°	296.3	310.8	335.5	370.5	389.7	393.8	362.8	320.3	273.9	243.7	222.5
70°	258.6	268.7	291.7	310.8	326.3	326.9	298.2	264.2	228.6	204.1	188.5
72.5°	222.2	231.8	249.2	262.3	274.2	270.3	244.1	217.3	188.5	169.9	158.4
75°	171.4	179.9	189.0	195.0	195.0	190.0	171.0	150.9	134.3	123.3	119.8
77.5°	124.6	131.7	134.7	133.7	132.0	124.1	112.1	99.0	93.0	87.8	85.2
80°	97.7	100.8	101.8	99.2	96.2	87.2	79.2	73.7	68.1	66.2	65.1
82.5°	72.5	75.1	72.5	73.1	66.5	59.2	54.8	52.9	50.5	49.8	48.7
85°	38.6	38.1	37.1	34.6	30.1	29.0	28.6	28.1	27.1	27.6	26.6
87.5°	13.5	12.4	10.9	10.6	10.6	10.2	10.6	10.7	10.8	10.4	11.2
90°	1.0	2.0	2.4	2.6	2.6	4.6	4.6	5.4	6.0	5.7	6.0
92.5°	5.6	8.7	12.7	17.6	24.5	41.5	67.3	92.5	105.7	88.0	65.4
95°	12.0	15.4	19.7	27.6	41.7	70.6	125.3	204.9	271.5	279.2	246.9
97.5°	19.7	22.6	26.6	33.5	45.1	67.5	112.6	191.7	286.0	350.7	364.7
100°	25.4	27.6	31.7	38.0	48.6	68.3	105.9	173.9	267.9	353.1	401.7
102.5°	31.2	33.3	36.9	43.1	53.2	71.0	104.1	161.9	245.2	333.1	399.9
105°	40.0	41.7	45.6	51.7	61.3	77.3	104.9	151.6	218.5	296.8	373.1
107.5°	48.8	50.5	54.8	60.5	70.0	84.6	109.9	149.7	203.6	267.5	335.1
110°	55.0	56.6	60.6	66.6	75.6	90.3	113.6	150.2	198.5	252.9	312.2



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	60.8	62.8	66.4	72.5	81.4	95.6	117.6	151.8	196.1	244.6	295.3
115°	69.7	71.9	75.3	81.6	90.6	104.0	123.9	154.9	194.9	236.9	278.5
117.5°	78.3	80.4	84.1	90.0	99.3	112.0	130.4	158.2	194.5	233.4	270.2
120°	84.0	86.2	89.9	95.6	104.9	117.6	134.9	160.6	194.5	231.5	266.5
122.5°	89.3	91.6	95.0	101.2	110.3	122.9	139.2	163.0	194.3	229.4	263.3
125°	96.9	99.0	102.6	109.0	118.3	130.3	145.5	166.5	193.9	225.8	257.9
127.5°	102.8	105.3	109.4	116.0	125.5	137.0	151.1	169.5	193.1	221.1	251.2
130°	106.6	109.2	114.2	120.6	130.3	141.6	154.6	171.5	192.8	218.2	245.8
132.5°	109.8	113.3	118.0	124.9	133.9	145.3	158.1	173.4	192.7	215.6	240.3
135°	114.9	118.3	123.9	130.9	139.6	150.5	162.6	176.3	192.2	211.5	232.5
137.5°	119.7	123.4	128.8	136.0	144.3	154.6	165.8	177.9	192.2	208.1	225.6
140°	122.9	126.6	132.2	139.2	147.2	157.2	167.9	179.2	191.9	206.2	221.5
142.5°	126.7	130.1	135.4	142.1	149.9	159.7	169.5	180.3	191.9	204.6	217.8
145°	132.0	135.3	139.9	146.3	153.5	162.2	171.3	180.9	191.2	201.9	212.5
147.5°	137.1	140.2	144.9	150.1	156.7	164.9	172.8	181.3	190.0	199.4	208.2
150°	140.9	143.5	147.6	152.6	158.9	166.3	173.5	181.3	189.2	197.6	205.6
152.5°	144.1	146.8	150.5	155.0	160.8	167.3	174.1	180.7	187.8	195.4	202.6
155°	149.2	151.3	154.6	158.3	163.2	168.9	174.6	179.9	185.9	192.2	198.2
157.5°	153.6	155.5	158.1	161.3	165.2	170.0	174.6	179.0	183.8	189.0	193.5
160°	156.6	157.9	160.2	162.9	166.5	170.6	174.6	178.2	182.2	186.5	190.6
162.5°	159.0	160.0	162.1	164.5	167.4	171.1	174.6	177.4	180.6	184.5	187.7
165°	162.2	162.9	164.6	166.3	168.2	171.3	173.9	175.9	178.2	180.9	183.5
167.5°	164.9	165.2	166.5	167.4	169.0	171.2	173.1	174.3	175.8	177.7	179.6
170°	166.3	166.5	167.6	168.2	169.2	170.9	172.6	173.2	174.2	175.6	177.2
172.5°	167.6	167.6	168.3	168.7	169.5	170.6	172.0	172.2	172.6	173.7	175.1
175°	168.9	168.9	169.2	169.6	169.6	170.2	171.3	170.9	170.9	171.5	172.2
177.5°	169.6	169.3	169.6	169.6	169.6	169.8	170.3	169.8	169.8	170.1	170.3
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6



TEST NUMBER: P332927-830
 CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1305.1	1306.7	1308.0	1311.9	1312.3	1316.0	1312.3
5°	1413.1	1420.1	1431.2	1442.2	1443.2	1450.2	1437.7
7.5°	1534.2	1550.5	1560.6	1578.4	1585.5	1589.9	1582.6
10°	1617.6	1632.7	1659.3	1672.3	1685.3	1687.3	1681.3
12.5°	1698.3	1722.1	1743.0	1767.7	1767.1	1784.8	1778.3
15°	1805.6	1830.1	1859.3	1886.8	1896.9	1896.9	1904.9
17.5°	1882.2	1927.2	1957.3	1979.0	2002.6	2006.7	2003.9
20°	1933.9	1982.5	2014.7	2042.7	2058.8	2063.2	2063.2
22.5°	1972.5	2013.8	2045.1	2070.4	2083.6	2089.0	2087.4
25°	1999.1	2034.7	2053.7	2061.2	2064.7	2063.8	2054.3
27.5°	1962.6	1961.0	1949.0	1925.9	1908.6	1898.0	1886.0
30°	1892.8	1866.8	1836.7	1803.6	1761.0	1728.4	1718.3
32.5°	1788.9	1730.4	1679.5	1624.4	1578.6	1546.0	1532.3
35°	1588.1	1495.3	1419.7	1353.5	1305.3	1275.3	1265.3
37.5°	1349.6	1259.9	1166.2	1102.0	1062.2	1031.7	1020.4
40°	1198.1	1100.3	1018.6	958.5	917.4	887.8	887.3
42.5°	1059.7	966.4	889.5	846.1	801.8	782.3	782.2
45°	867.7	793.1	727.8	693.8	667.2	651.2	646.7
47.5°	718.4	656.7	613.2	586.1	564.4	554.2	547.6
50°	634.6	580.5	545.9	522.4	510.3	497.3	496.2
52.5°	564.9	521.1	494.2	475.0	459.8	451.9	452.1
55°	474.7	440.2	421.0	406.5	394.5	388.5	386.0
57.5°	399.9	374.0	360.1	346.8	341.7	337.0	335.6
60°	353.4	335.8	322.8	312.3	304.8	303.3	302.7
62.5°	314.9	296.5	287.6	279.4	273.9	271.5	270.7
65°	259.7	246.1	238.1	231.6	229.6	226.1	225.6
67.5°	209.3	201.2	195.9	191.4	188.7	188.5	188.5
70°	178.4	173.9	169.5	166.9	165.4	164.4	164.4
72.5°	152.0	148.6	145.0	143.6	143.4	142.3	141.9
75°	115.8	112.3	112.8	110.3	108.3	105.8	104.2
77.5°	82.1	79.6	79.1	78.8	77.1	76.8	77.6
80°	63.6	61.2	60.7	61.2	60.7	59.2	59.2
82.5°	48.4	46.3	45.8	45.5	45.1	45.5	44.7
85°	26.1	25.1	25.1	25.1	26.1	25.5	25.1
87.5°	10.5	10.2	10.6	10.2	10.3	9.8	10.2
90°	6.3	6.7	6.7	7.0	7.4	7.0	7.0
92.5°	49.2	39.2	32.5	28.6	26.8	25.6	25.6
95°	195.2	150.5	118.3	101.9	91.6	85.6	81.2
97.5°	345.5	312.9	278.1	254.2	234.2	224.2	217.3
100°	408.4	392.1	367.4	338.5	318.1	308.1	305.5
102.5°	432.9	437.6	427.3	409.6	394.9	384.4	382.2
105°	430.7	463.7	477.4	478.1	475.3	470.7	468.7
107.5°	396.4	442.8	472.6	489.0	496.6	499.9	500.8
110°	369.8	418.1	454.7	478.3	492.4	498.3	501.3



TEST NUMBER: P332927-830

CATALOG NUMBER: SA4XXRDIP-C795D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	346.3	391.9	428.6	455.4	472.4	480.8	485.6
115°	319.4	358.4	390.4	416.7	436.7	447.4	450.1
117.5°	304.2	334.8	361.9	384.4	401.1	411.9	414.0
120°	297.5	324.1	347.8	366.7	381.4	390.1	393.8
122.5°	293.2	317.4	338.2	354.2	366.7	374.1	377.8
125°	286.4	309.4	327.8	341.1	350.8	357.1	359.1
127.5°	278.5	301.5	318.9	332.2	340.8	346.2	348.2
130°	272.2	294.8	312.5	326.1	334.4	339.8	341.8
132.5°	264.9	287.1	304.7	318.1	327.5	332.6	334.6
135°	254.2	274.5	291.2	304.4	313.8	319.1	321.1
137.5°	243.8	261.0	276.0	288.5	297.7	302.1	304.4
140°	237.1	252.1	266.2	277.9	285.1	289.8	292.5
142.5°	231.6	244.4	256.6	266.9	273.7	277.9	279.7
145°	223.9	233.8	243.2	251.5	257.1	260.5	262.1
147.5°	217.2	225.2	232.5	238.7	243.6	246.0	246.7
150°	213.2	219.9	225.8	231.2	235.5	237.5	237.8
152.5°	209.2	215.4	220.3	224.8	228.3	229.5	229.9
155°	203.5	208.5	212.5	215.8	218.5	219.5	219.5
157.5°	197.9	202.2	205.4	207.8	209.9	210.5	210.5
160°	194.2	197.8	200.6	202.6	204.5	204.9	204.9
162.5°	190.8	193.6	196.0	197.5	199.4	199.8	199.5
165°	185.6	187.8	189.5	190.9	192.2	191.9	191.5
167.5°	181.2	183.0	184.0	184.6	185.6	185.5	185.2
170°	178.2	179.6	180.6	181.3	181.5	181.3	181.3
172.5°	175.8	176.6	177.4	177.8	178.0	177.8	177.2
175°	172.6	173.2	173.2	173.2	173.9	173.2	172.6
177.5°	170.6	170.6	170.9	170.6	170.9	170.3	169.8
180°	169.6	169.6	169.6	169.6	169.6	169.6	169.6

(END OF REPORT)