

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: P332600-840

Luminaire Tested: **SA4XXDIP-C795D810U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332600-840  
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: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

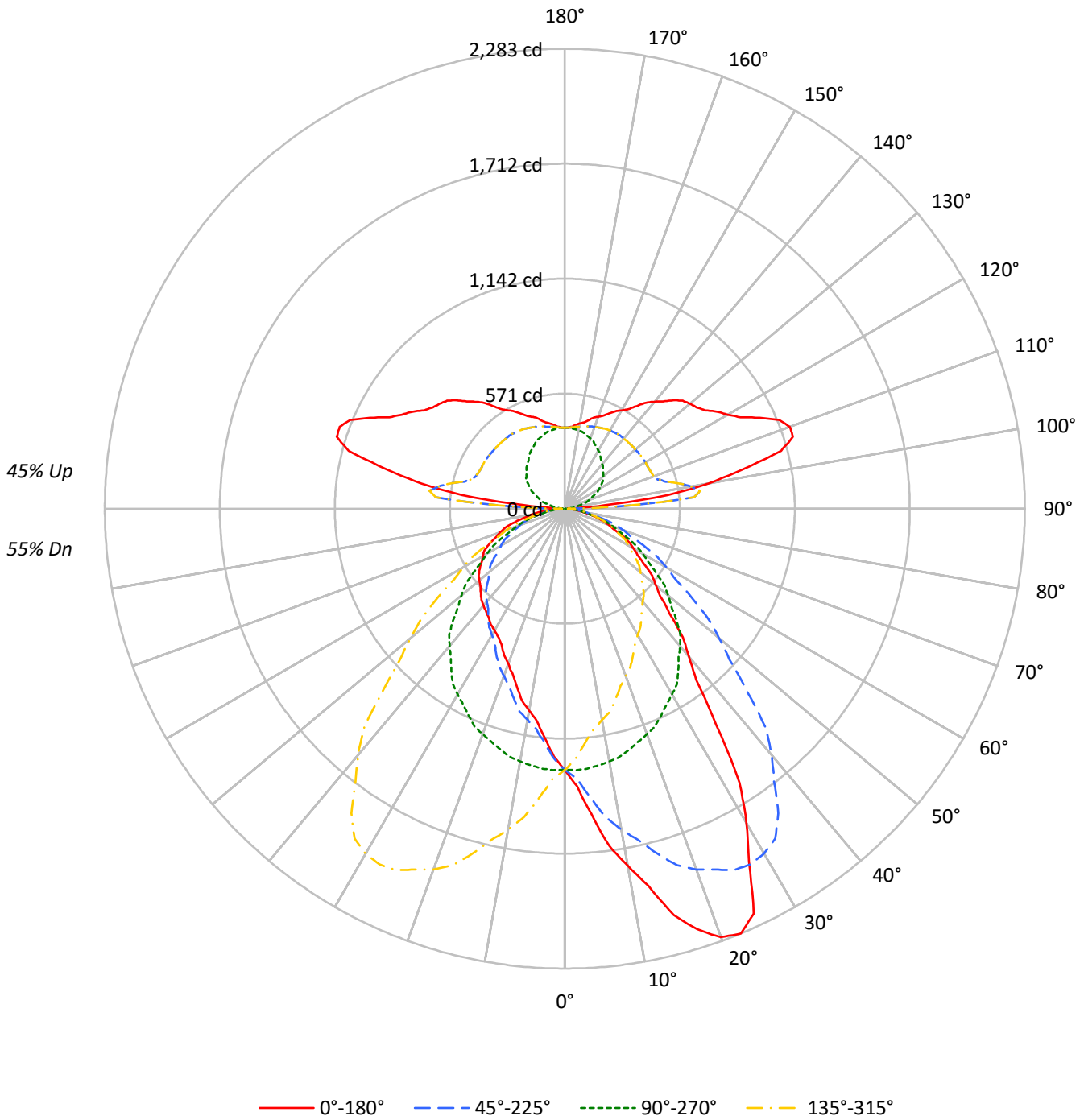
Lumens per Lamp: N/A  
Luminaire Lumens: 6502.5 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	1.9
10°-20°	389.3	6.0
20°-30°	617.4	9.5
30°-40°	687.1	10.6
40°-50°	625.4	9.6
50°-60°	511.1	7.9
60°-70°	364.8	5.6
70°-80°	200.9	3.1
80°-90°	57.1	0.9
90°-100°	290.3	4.5
100°-110°	604.2	9.3
110°-120°	541.2	8.3
120°-130°	455.2	7.0
130°-140°	379.6	5.8
140°-150°	290.0	4.5
150°-160°	203.8	3.1
160°-170°	119.9	1.8
170°-180°	39.0	0.6
0°-30°	1133.0	17.4
0°-40°	1820.1	28.0
0°-60°	2956.5	45.5
0°-90°	3579.4	55.0
90°-120°	1435.7	22.1
90°-150°	2560.4	39.4
90°-180°	2923.0	45.0
0°-180°	6502.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	17	1	17	1	17	15
95°	193	26	193	26	193	299
105°	1111	92	1111	92	1111	1098
115°	1067	163	1067	163	1067	1059
125°	851	227	851	227	851	774
135°	761	269	761	269	761	588
145°	622	310	622	310	622	394
155°	520	353	520	353	520	243
165°	454	385	454	385	454	130
175°	409	401	409	401	409	40
180°	402	402	402	402	402	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	12.7	14.0	14.2	14.4	15.1	15.7	15.9	15.3	16.9	17.5	18.9
90°	16.6	16.6	17.4	16.6	15.8	15.8	15.0	14.2	13.4	14.2	12.6
92.5°	60.8	60.8	63.5	67.8	77.1	92.9	116.7	155.1	208.6	250.4	219.2
95°	192.7	203.0	217.1	241.7	280.3	356.9	462.7	585.1	661.8	643.6	485.6
97.5°	515.0	531.4	555.1	602.7	659.3	741.7	819.0	864.4	831.3	677.8	454.5
100°	724.1	730.4	754.1	802.2	871.0	929.4	968.1	952.3	837.0	634.9	412.2
102.5°	906.1	911.1	936.0	971.0	1013.1	1037.4	1026.2	947.9	789.6	581.2	383.7
105°	1111.1	1115.8	1126.8	1133.2	1131.6	1099.1	1021.0	884.4	703.6	518.0	359.3
107.5°	1187.1	1185.1	1177.2	1159.2	1120.1	1049.8	939.7	794.3	634.1	482.6	354.9
110°	1188.4	1181.3	1167.1	1133.9	1077.8	991.0	876.5	739.9	599.4	470.6	356.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1151.1	1139.6	1119.7	1079.5	1015.9	929.1	820.9	700.1	579.8	464.9	359.9
115°	1066.8	1060.5	1035.2	987.8	925.4	849.6	757.3	660.1	561.4	461.9	367.2
117.5°	981.4	976.4	950.9	911.1	857.9	793.6	720.9	640.6	553.2	461.1	375.0
120°	933.3	924.6	904.1	869.4	824.4	768.3	705.2	631.7	548.8	461.1	380.6
122.5°	895.4	886.8	869.4	839.7	801.6	752.6	695.0	624.1	543.7	460.5	386.3
125°	851.2	846.5	831.5	808.6	777.0	733.6	679.1	611.2	535.3	459.6	394.9
127.5°	825.4	820.6	808.0	787.6	755.9	714.6	660.2	595.4	524.1	457.9	401.6
130°	810.2	805.5	792.8	773.1	740.6	698.8	645.1	582.8	517.3	457.2	406.7
132.5°	793.1	788.4	776.4	754.1	722.4	680.5	628.0	569.5	510.9	456.6	411.1
135°	761.2	756.5	743.9	721.8	690.1	650.7	602.5	551.2	501.4	455.7	417.7
137.5°	721.8	716.0	705.6	683.8	654.3	618.6	578.0	534.6	493.2	455.4	421.6
140°	693.3	687.0	675.9	658.5	631.0	597.7	562.2	525.1	488.8	454.8	424.9
142.5°	663.0	658.5	648.7	632.7	608.1	579.5	549.0	516.2	485.0	454.8	427.4
145°	621.5	617.5	609.6	596.2	576.4	554.3	530.7	503.8	478.5	453.2	428.8
147.5°	584.6	583.2	577.2	565.7	551.2	533.8	514.8	493.5	472.7	450.4	429.6
150°	563.8	563.0	558.3	548.1	535.3	521.2	505.3	487.2	468.3	448.5	429.6
152.5°	544.8	544.0	541.2	532.8	522.1	510.4	495.8	480.3	463.2	445.4	428.3
155°	520.4	520.4	518.0	511.7	503.8	494.3	482.5	469.8	455.7	440.6	426.4
157.5°	498.9	498.9	497.5	492.7	486.8	479.2	469.2	458.6	447.9	435.8	424.3
160°	485.6	485.6	484.8	480.1	475.3	469.1	460.4	451.7	442.2	431.9	422.4
162.5°	473.0	473.6	472.8	468.1	464.6	459.0	452.1	444.7	437.2	428.2	420.6
165°	454.0	454.8	455.7	452.4	449.3	445.4	439.8	435.0	428.8	422.4	417.0
167.5°	439.0	439.7	439.8	437.8	436.2	433.8	429.4	425.8	421.2	416.8	413.1
170°	429.6	429.6	430.3	429.6	428.0	425.7	422.4	420.1	416.2	412.9	410.6
172.5°	420.1	421.3	422.1	421.3	420.4	418.7	416.8	415.1	411.7	409.2	408.1
175°	409.0	410.6	412.2	410.6	410.6	410.6	409.0	408.3	406.7	405.1	405.1
177.5°	402.5	403.8	405.1	404.5	405.1	404.5	404.5	403.8	403.1	402.5	402.5
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	18.6	19.0	17.6	15.9	14.4	13.0	12.1	11.3	12.1	13.0	13.5
90°	11.0	11.0	6.4	6.4	5.6	4.7	2.3	0.8	2.3	4.7	5.6
92.5°	159.5	98.3	58.1	41.7	30.2	20.5	13.1	9.0	13.1	20.5	30.2
95°	296.9	167.4	98.7	65.5	46.6	36.4	28.4	26.1	28.4	36.4	46.6
97.5°	266.9	160.0	107.0	79.3	63.0	53.5	46.8	46.8	46.8	53.5	63.0
100°	251.2	161.9	115.3	90.0	75.0	65.5	60.0	60.0	60.0	65.5	75.0
102.5°	246.7	168.1	126.0	102.0	87.7	78.8	73.9	72.6	73.9	78.8	87.7
105°	248.7	183.2	145.3	122.4	108.2	98.7	94.7	92.4	94.7	98.7	108.2
107.5°	260.4	200.8	166.0	143.4	129.8	119.7	115.7	114.2	115.7	119.7	129.8
110°	269.2	214.0	179.3	157.9	143.7	134.2	130.3	128.8	130.3	134.2	143.7





TEST NUMBER: P332600-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	278.7	226.6	193.2	171.8	157.6	148.8	144.2	142.6	144.2	148.8	157.6
115°	293.8	246.4	214.8	193.5	178.4	170.6	165.0	162.7	165.0	170.6	178.4
117.5°	309.0	265.5	235.5	213.4	199.3	190.7	185.7	183.5	185.7	190.7	199.3
120°	319.8	278.7	248.7	226.6	213.2	204.5	198.9	197.4	198.9	204.5	213.2
122.5°	329.9	291.3	261.4	239.8	225.2	217.1	211.7	210.1	211.7	217.1	225.2
125°	345.1	308.7	280.3	258.2	243.2	234.5	229.7	226.6	229.7	234.5	243.2
127.5°	358.2	324.9	297.4	275.1	259.4	249.5	243.9	241.4	243.9	249.5	259.4
130°	366.4	335.6	308.7	285.9	270.8	259.0	252.7	249.5	252.7	259.0	270.8
132.5°	374.6	344.5	317.6	296.0	279.7	268.5	260.2	257.7	260.2	268.5	279.7
135°	385.4	356.9	330.8	310.3	293.8	280.3	272.5	269.2	272.5	280.3	293.8
137.5°	392.9	366.4	342.0	322.4	305.3	292.5	283.8	280.8	283.8	292.5	305.3
140°	398.0	372.7	349.0	330.0	313.5	300.0	291.3	289.0	291.3	300.0	313.5
142.5°	401.7	378.4	355.4	337.0	321.0	308.3	300.2	297.8	300.2	308.3	321.0
145°	405.9	384.6	364.1	346.7	331.6	320.6	312.7	310.3	312.7	320.6	331.6
147.5°	409.5	390.9	371.6	356.0	343.5	332.1	325.2	324.4	325.2	332.1	343.5
150°	411.4	394.0	376.7	361.6	349.8	340.3	334.1	333.3	334.1	340.3	349.8
152.5°	412.6	396.6	381.1	367.4	356.8	347.9	341.6	341.4	341.6	347.9	356.8
155°	413.7	400.3	386.9	375.1	366.4	358.5	353.8	352.9	353.8	358.5	366.4
157.5°	413.7	403.0	391.6	382.3	374.8	368.6	364.2	364.2	364.2	368.6	374.8
160°	413.7	404.2	394.9	386.2	379.8	374.3	371.1	371.1	371.1	374.3	379.8
162.5°	413.7	405.6	396.7	389.9	384.3	379.3	376.8	377.5	376.8	379.3	384.3
165°	412.2	405.9	398.8	394.0	390.1	386.2	384.6	384.6	384.6	386.2	390.1
167.5°	410.3	405.8	400.5	396.9	394.7	391.6	390.9	391.6	390.9	391.6	394.7
170°	409.0	405.1	401.1	398.8	397.2	394.9	394.0	394.9	394.0	394.9	397.2
172.5°	407.8	404.5	401.7	400.0	399.1	397.4	397.2	398.0	397.2	397.4	399.1
175°	405.9	403.5	401.9	401.9	401.1	400.3	400.3	401.1	400.3	400.3	401.1
177.5°	403.8	402.5	401.9	401.9	401.9	401.3	401.9	402.5	401.9	401.3	401.9
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	15.0	15.0	17.7	18.6	20.1	22.6	23.3	28.2	30.1	32.4	36.3
90°	6.4	6.4	11.0	11.0	12.6	14.2	13.4	14.2	15.0	15.8	15.8
92.5°	41.7	58.1	98.3	159.5	219.2	250.4	208.6	155.1	116.7	92.9	77.1
95°	65.5	98.7	167.4	296.9	485.6	643.6	661.8	585.1	462.7	356.9	280.3
97.5°	79.3	107.0	160.0	266.9	454.5	677.8	831.3	864.4	819.0	741.7	659.3
100°	90.0	115.3	161.9	251.2	412.2	634.9	837.0	952.3	968.1	929.4	871.0
102.5°	102.0	126.0	168.1	246.7	383.7	581.2	789.6	947.9	1026.2	1037.4	1013.1
105°	122.4	145.3	183.2	248.7	359.3	518.0	703.6	884.4	1021.0	1099.1	1131.6
107.5°	143.4	166.0	200.8	260.4	354.9	482.6	634.1	794.3	939.7	1049.8	1120.1
110°	157.9	179.3	214.0	269.2	356.1	470.6	599.4	739.9	876.5	991.0	1077.8



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	171.8	193.2	226.6	278.7	359.9	464.9	579.8	700.1	820.9	929.1	1015.9
115°	193.5	214.8	246.4	293.8	367.2	461.9	561.4	660.1	757.3	849.6	925.4
117.5°	213.4	235.5	265.5	309.0	375.0	461.1	553.2	640.6	720.9	793.6	857.9
120°	226.6	248.7	278.7	319.8	380.6	461.1	548.8	631.7	705.2	768.3	824.4
122.5°	239.8	261.4	291.3	329.9	386.3	460.5	543.7	624.1	695.0	752.6	801.6
125°	258.2	280.3	308.7	345.1	394.9	459.6	535.3	611.2	679.1	733.6	777.0
127.5°	275.1	297.4	324.9	358.2	401.6	457.9	524.1	595.4	660.2	714.6	755.9
130°	285.9	308.7	335.6	366.4	406.7	457.2	517.3	582.8	645.1	698.8	740.6
132.5°	296.0	317.6	344.5	374.6	411.1	456.6	510.9	569.5	628.0	680.5	722.4
135°	310.3	330.8	356.9	385.4	417.7	455.7	501.4	551.2	602.5	650.7	690.1
137.5°	322.4	342.0	366.4	392.9	421.6	455.4	493.2	534.6	578.0	618.6	654.3
140°	330.0	349.0	372.7	398.0	424.9	454.8	488.8	525.1	562.2	597.7	631.0
142.5°	337.0	355.4	378.4	401.7	427.4	454.8	485.0	516.2	549.0	579.5	608.1
145°	346.7	364.1	384.6	405.9	428.8	453.2	478.5	503.8	530.7	554.3	576.4
147.5°	356.0	371.6	390.9	409.5	429.6	450.4	472.7	493.5	514.8	533.8	551.2
150°	361.6	376.7	394.0	411.4	429.6	448.5	468.3	487.2	505.3	521.2	535.3
152.5°	367.4	381.1	396.6	412.6	428.3	445.4	463.2	480.3	495.8	510.4	522.1
155°	375.1	386.9	400.3	413.7	426.4	440.6	455.7	469.8	482.5	494.3	503.8
157.5°	382.3	391.6	403.0	413.7	424.3	435.8	447.9	458.6	469.2	479.2	486.8
160°	386.2	394.9	404.2	413.7	422.4	431.9	442.2	451.7	460.4	469.1	475.3
162.5°	389.9	396.7	405.6	413.7	420.6	428.2	437.2	444.7	452.1	459.0	464.6
165°	394.0	398.8	405.9	412.2	417.0	422.4	428.8	435.0	439.8	445.4	449.3
167.5°	396.9	400.5	405.8	410.3	413.1	416.8	421.2	425.8	429.4	433.8	436.2
170°	398.8	401.1	405.1	409.0	410.6	412.9	416.2	420.1	422.4	425.7	428.0
172.5°	400.0	401.7	404.5	407.8	408.1	409.2	411.7	415.1	416.8	418.7	420.4
175°	401.9	401.9	403.5	405.9	405.1	405.1	406.7	408.3	409.0	410.6	410.6
177.5°	401.9	401.9	402.5	403.8	402.5	402.5	403.1	403.8	404.5	404.5	405.1
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	37.7	38.3	39.4	40.3	39.4	38.3	37.7	36.3	32.4	30.1	28.2
90°	16.6	17.4	16.6	16.6	16.6	17.4	16.6	15.8	15.8	15.0	14.2
92.5°	67.8	63.5	60.8	60.8	60.8	63.5	67.8	77.1	92.9	116.7	155.1
95°	241.7	217.1	203.0	192.7	203.0	217.1	241.7	280.3	356.9	462.7	585.1
97.5°	602.7	555.1	531.4	515.0	531.4	555.1	602.7	659.3	741.7	819.0	864.4
100°	802.2	754.1	730.4	724.1	730.4	754.1	802.2	871.0	929.4	968.1	952.3
102.5°	971.0	936.0	911.1	906.1	911.1	936.0	971.0	1013.1	1037.4	1026.2	947.9
105°	1133.2	1126.8	1115.8	1111.1	1115.8	1126.8	1133.2	1131.6	1099.1	1021.0	884.4
107.5°	1159.2	1177.2	1185.1	1187.1	1185.1	1177.2	1159.2	1120.1	1049.8	939.7	794.3
110°	1133.9	1167.1	1181.3	1188.4	1181.3	1167.1	1133.9	1077.8	991.0	876.5	739.9



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1079.5	1119.7	1139.6	1151.1	1139.6	1119.7	1079.5	1015.9	929.1	820.9	700.1
115°	987.8	1035.2	1060.5	1066.8	1060.5	1035.2	987.8	925.4	849.6	757.3	660.1
117.5°	911.1	950.9	976.4	981.4	976.4	950.9	911.1	857.9	793.6	720.9	640.6
120°	869.4	904.1	924.6	933.3	924.6	904.1	869.4	824.4	768.3	705.2	631.7
122.5°	839.7	869.4	886.8	895.4	886.8	869.4	839.7	801.6	752.6	695.0	624.1
125°	808.6	831.5	846.5	851.2	846.5	831.5	808.6	777.0	733.6	679.1	611.2
127.5°	787.6	808.0	820.6	825.4	820.6	808.0	787.6	755.9	714.6	660.2	595.4
130°	773.1	792.8	805.5	810.2	805.5	792.8	773.1	740.6	698.8	645.1	582.8
132.5°	754.1	776.4	788.4	793.1	788.4	776.4	754.1	722.4	680.5	628.0	569.5
135°	721.8	743.9	756.5	761.2	756.5	743.9	721.8	690.1	650.7	602.5	551.2
137.5°	683.8	705.6	716.0	721.8	716.0	705.6	683.8	654.3	618.6	578.0	534.6
140°	658.5	675.9	687.0	693.3	687.0	675.9	658.5	631.0	597.7	562.2	525.1
142.5°	632.7	648.7	658.5	663.0	658.5	648.7	632.7	608.1	579.5	549.0	516.2
145°	596.2	609.6	617.5	621.5	617.5	609.6	596.2	576.4	554.3	530.7	503.8
147.5°	565.7	577.2	583.2	584.6	583.2	577.2	565.7	551.2	533.8	514.8	493.5
150°	548.1	558.3	563.0	563.8	563.0	558.3	548.1	535.3	521.2	505.3	487.2
152.5°	532.8	541.2	544.0	544.8	544.0	541.2	532.8	522.1	510.4	495.8	480.3
155°	511.7	518.0	520.4	520.4	520.4	518.0	511.7	503.8	494.3	482.5	469.8
157.5°	492.7	497.5	498.9	498.9	498.9	497.5	492.7	486.8	479.2	469.2	458.6
160°	480.1	484.8	485.6	485.6	485.6	484.8	480.1	475.3	469.1	460.4	451.7
162.5°	468.1	472.8	473.6	473.0	473.6	472.8	468.1	464.6	459.0	452.1	444.7
165°	452.4	455.7	454.8	454.0	454.8	455.7	452.4	449.3	445.4	439.8	435.0
167.5°	437.8	439.8	439.7	439.0	439.7	439.8	437.8	436.2	433.8	429.4	425.8
170°	429.6	430.3	429.6	429.6	429.6	430.3	429.6	428.0	425.7	422.4	420.1
172.5°	421.3	422.1	421.3	420.1	421.3	422.1	421.3	420.4	418.7	416.8	415.1
175°	410.6	412.2	410.6	409.0	410.6	412.2	410.6	410.6	410.6	409.0	408.3
177.5°	404.5	405.1	403.8	402.5	403.8	405.1	404.5	405.1	404.5	404.5	403.8
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



TEST NUMBER: P332600-840  
 CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	23.3	22.6	20.1	18.6	17.7	15.0	15.0	13.5	13.0	12.1	11.3
90°	13.4	14.2	12.6	11.0	11.0	6.4	6.4	5.6	4.7	2.3	0.8
92.5°	208.6	250.4	219.2	159.5	98.3	58.1	41.7	30.2	20.5	13.1	9.0
95°	661.8	643.6	485.6	296.9	167.4	98.7	65.5	46.6	36.4	28.4	26.1
97.5°	831.3	677.8	454.5	266.9	160.0	107.0	79.3	63.0	53.5	46.8	46.8
100°	837.0	634.9	412.2	251.2	161.9	115.3	90.0	75.0	65.5	60.0	60.0
102.5°	789.6	581.2	383.7	246.7	168.1	126.0	102.0	87.7	78.8	73.9	72.6
105°	703.6	518.0	359.3	248.7	183.2	145.3	122.4	108.2	98.7	94.7	92.4
107.5°	634.1	482.6	354.9	260.4	200.8	166.0	143.4	129.8	119.7	115.7	114.2
110°	599.4	470.6	356.1	269.2	214.0	179.3	157.9	143.7	134.2	130.3	128.8



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	579.8	464.9	359.9	278.7	226.6	193.2	171.8	157.6	148.8	144.2	142.6
115°	561.4	461.9	367.2	293.8	246.4	214.8	193.5	178.4	170.6	165.0	162.7
117.5°	553.2	461.1	375.0	309.0	265.5	235.5	213.4	199.3	190.7	185.7	183.5
120°	548.8	461.1	380.6	319.8	278.7	248.7	226.6	213.2	204.5	198.9	197.4
122.5°	543.7	460.5	386.3	329.9	291.3	261.4	239.8	225.2	217.1	211.7	210.1
125°	535.3	459.6	394.9	345.1	308.7	280.3	258.2	243.2	234.5	229.7	226.6
127.5°	524.1	457.9	401.6	358.2	324.9	297.4	275.1	259.4	249.5	243.9	241.4
130°	517.3	457.2	406.7	366.4	335.6	308.7	285.9	270.8	259.0	252.7	249.5
132.5°	510.9	456.6	411.1	374.6	344.5	317.6	296.0	279.7	268.5	260.2	257.7
135°	501.4	455.7	417.7	385.4	356.9	330.8	310.3	293.8	280.3	272.5	269.2
137.5°	493.2	455.4	421.6	392.9	366.4	342.0	322.4	305.3	292.5	283.8	280.8
140°	488.8	454.8	424.9	398.0	372.7	349.0	330.0	313.5	300.0	291.3	289.0
142.5°	485.0	454.8	427.4	401.7	378.4	355.4	337.0	321.0	308.3	300.2	297.8
145°	478.5	453.2	428.8	405.9	384.6	364.1	346.7	331.6	320.6	312.7	310.3
147.5°	472.7	450.4	429.6	409.5	390.9	371.6	356.0	343.5	332.1	325.2	324.4
150°	468.3	448.5	429.6	411.4	394.0	376.7	361.6	349.8	340.3	334.1	333.3
152.5°	463.2	445.4	428.3	412.6	396.6	381.1	367.4	356.8	347.9	341.6	341.4
155°	455.7	440.6	426.4	413.7	400.3	386.9	375.1	366.4	358.5	353.8	352.9
157.5°	447.9	435.8	424.3	413.7	403.0	391.6	382.3	374.8	368.6	364.2	364.2
160°	442.2	431.9	422.4	413.7	404.2	394.9	386.2	379.8	374.3	371.1	371.1
162.5°	437.2	428.2	420.6	413.7	405.6	396.7	389.9	384.3	379.3	376.8	377.5
165°	428.8	422.4	417.0	412.2	405.9	398.8	394.0	390.1	386.2	384.6	384.6
167.5°	421.2	416.8	413.1	410.3	405.8	400.5	396.9	394.7	391.6	390.9	391.6
170°	416.2	412.9	410.6	409.0	405.1	401.1	398.8	397.2	394.9	394.0	394.9
172.5°	411.7	409.2	408.1	407.8	404.5	401.7	400.0	399.1	397.4	397.2	398.0
175°	406.7	405.1	405.1	405.9	403.5	401.9	401.9	401.1	400.3	400.3	401.1
177.5°	403.1	402.5	402.5	403.8	402.5	401.9	401.9	401.9	401.3	401.9	402.5
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



TEST NUMBER: P332600-840

CATALOG NUMBER: SA4XXDIP-C795D810U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.1	13.0	14.4	15.9	17.6	19.0	18.6	18.9	17.5	16.9	15.3
90°	2.3	4.7	5.6	6.4	6.4	11.0	11.0	12.6	14.2	13.4	14.2
92.5°	13.1	20.5	30.2	41.7	58.1	98.3	159.5	219.2	250.4	208.6	155.1
95°	28.4	36.4	46.6	65.5	98.7	167.4	296.9	485.6	643.6	661.8	585.1
97.5°	46.8	53.5	63.0	79.3	107.0	160.0	266.9	454.5	677.8	831.3	864.4
100°	60.0	65.5	75.0	90.0	115.3	161.9	251.2	412.2	634.9	837.0	952.3
102.5°	73.9	78.8	87.7	102.0	126.0	168.1	246.7	383.7	581.2	789.6	947.9
105°	94.7	98.7	108.2	122.4	145.3	183.2	248.7	359.3	518.0	703.6	884.4
107.5°	115.7	119.7	129.8	143.4	166.0	200.8	260.4	354.9	482.6	634.1	794.3
110°	130.3	134.2	143.7	157.9	179.3	214.0	269.2	356.1	470.6	599.4	739.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.2	148.8	157.6	171.8	193.2	226.6	278.7	359.9	464.9	579.8	700.1
115°	165.0	170.6	178.4	193.5	214.8	246.4	293.8	367.2	461.9	561.4	660.1
117.5°	185.7	190.7	199.3	213.4	235.5	265.5	309.0	375.0	461.1	553.2	640.6
120°	198.9	204.5	213.2	226.6	248.7	278.7	319.8	380.6	461.1	548.8	631.7
122.5°	211.7	217.1	225.2	239.8	261.4	291.3	329.9	386.3	460.5	543.7	624.1
125°	229.7	234.5	243.2	258.2	280.3	308.7	345.1	394.9	459.6	535.3	611.2
127.5°	243.9	249.5	259.4	275.1	297.4	324.9	358.2	401.6	457.9	524.1	595.4
130°	252.7	259.0	270.8	285.9	308.7	335.6	366.4	406.7	457.2	517.3	582.8
132.5°	260.2	268.5	279.7	296.0	317.6	344.5	374.6	411.1	456.6	510.9	569.5
135°	272.5	280.3	293.8	310.3	330.8	356.9	385.4	417.7	455.7	501.4	551.2
137.5°	283.8	292.5	305.3	322.4	342.0	366.4	392.9	421.6	455.4	493.2	534.6
140°	291.3	300.0	313.5	330.0	349.0	372.7	398.0	424.9	454.8	488.8	525.1
142.5°	300.2	308.3	321.0	337.0	355.4	378.4	401.7	427.4	454.8	485.0	516.2
145°	312.7	320.6	331.6	346.7	364.1	384.6	405.9	428.8	453.2	478.5	503.8
147.5°	325.2	332.1	343.5	356.0	371.6	390.9	409.5	429.6	450.4	472.7	493.5
150°	334.1	340.3	349.8	361.6	376.7	394.0	411.4	429.6	448.5	468.3	487.2
152.5°	341.6	347.9	356.8	367.4	381.1	396.6	412.6	428.3	445.4	463.2	480.3
155°	353.8	358.5	366.4	375.1	386.9	400.3	413.7	426.4	440.6	455.7	469.8
157.5°	364.2	368.6	374.8	382.3	391.6	403.0	413.7	424.3	435.8	447.9	458.6
160°	371.1	374.3	379.8	386.2	394.9	404.2	413.7	422.4	431.9	442.2	451.7
162.5°	376.8	379.3	384.3	389.9	396.7	405.6	413.7	420.6	428.2	437.2	444.7
165°	384.6	386.2	390.1	394.0	398.8	405.9	412.2	417.0	422.4	428.8	435.0
167.5°	390.9	391.6	394.7	396.9	400.5	405.8	410.3	413.1	416.8	421.2	425.8
170°	394.0	394.9	397.2	398.8	401.1	405.1	409.0	410.6	412.9	416.2	420.1
172.5°	397.2	397.4	399.1	400.0	401.7	404.5	407.8	408.1	409.2	411.7	415.1
175°	400.3	400.3	401.1	401.9	401.9	403.5	405.9	405.1	405.1	406.7	408.3
177.5°	401.9	401.3	401.9	401.9	401.9	402.5	403.8	402.5	402.5	403.1	403.8
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	15.9	15.7	15.1	14.4	14.2	14.0	12.7
90°	15.0	15.8	15.8	16.6	17.4	16.6	16.6
92.5°	116.7	92.9	77.1	67.8	63.5	60.8	60.8
95°	462.7	356.9	280.3	241.7	217.1	203.0	192.7
97.5°	819.0	741.7	659.3	602.7	555.1	531.4	515.0
100°	968.1	929.4	871.0	802.2	754.1	730.4	724.1
102.5°	1026.2	1037.4	1013.1	971.0	936.0	911.1	906.1
105°	1021.0	1099.1	1131.6	1133.2	1126.8	1115.8	1111.1
107.5°	939.7	1049.8	1120.1	1159.2	1177.2	1185.1	1187.1
110°	876.5	991.0	1077.8	1133.9	1167.1	1181.3	1188.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	820.9	929.1	1015.9	1079.5	1119.7	1139.6	1151.1
115°	757.3	849.6	925.4	987.8	1035.2	1060.5	1066.8
117.5°	720.9	793.6	857.9	911.1	950.9	976.4	981.4
120°	705.2	768.3	824.4	869.4	904.1	924.6	933.3
122.5°	695.0	752.6	801.6	839.7	869.4	886.8	895.4
125°	679.1	733.6	777.0	808.6	831.5	846.5	851.2
127.5°	660.2	714.6	755.9	787.6	808.0	820.6	825.4
130°	645.1	698.8	740.6	773.1	792.8	805.5	810.2
132.5°	628.0	680.5	722.4	754.1	776.4	788.4	793.1
135°	602.5	650.7	690.1	721.8	743.9	756.5	761.2
137.5°	578.0	618.6	654.3	683.8	705.6	716.0	721.8
140°	562.2	597.7	631.0	658.5	675.9	687.0	693.3
142.5°	549.0	579.5	608.1	632.7	648.7	658.5	663.0
145°	530.7	554.3	576.4	596.2	609.6	617.5	621.5
147.5°	514.8	533.8	551.2	565.7	577.2	583.2	584.6
150°	505.3	521.2	535.3	548.1	558.3	563.0	563.8
152.5°	495.8	510.4	522.1	532.8	541.2	544.0	544.8
155°	482.5	494.3	503.8	511.7	518.0	520.4	520.4
157.5°	469.2	479.2	486.8	492.7	497.5	498.9	498.9
160°	460.4	469.1	475.3	480.1	484.8	485.6	485.6
162.5°	452.1	459.0	464.6	468.1	472.8	473.6	473.0
165°	439.8	445.4	449.3	452.4	455.7	454.8	454.0
167.5°	429.4	433.8	436.2	437.8	439.8	439.7	439.0
170°	422.4	425.7	428.0	429.6	430.3	429.6	429.6
172.5°	416.8	418.7	420.4	421.3	422.1	421.3	420.1
175°	409.0	410.6	410.6	410.6	412.2	410.6	409.0
177.5°	404.5	404.5	405.1	404.5	405.1	403.8	402.5
180°	401.9	401.9	401.9	401.9	401.9	401.9	401.9

(END OF REPORT)