

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: P332609

Luminaire Tested: **S124DIP-S795D1035U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332609
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S795D1035U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7240.6 lumens
Efficiency: N/A
Efficacy: 139.2 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

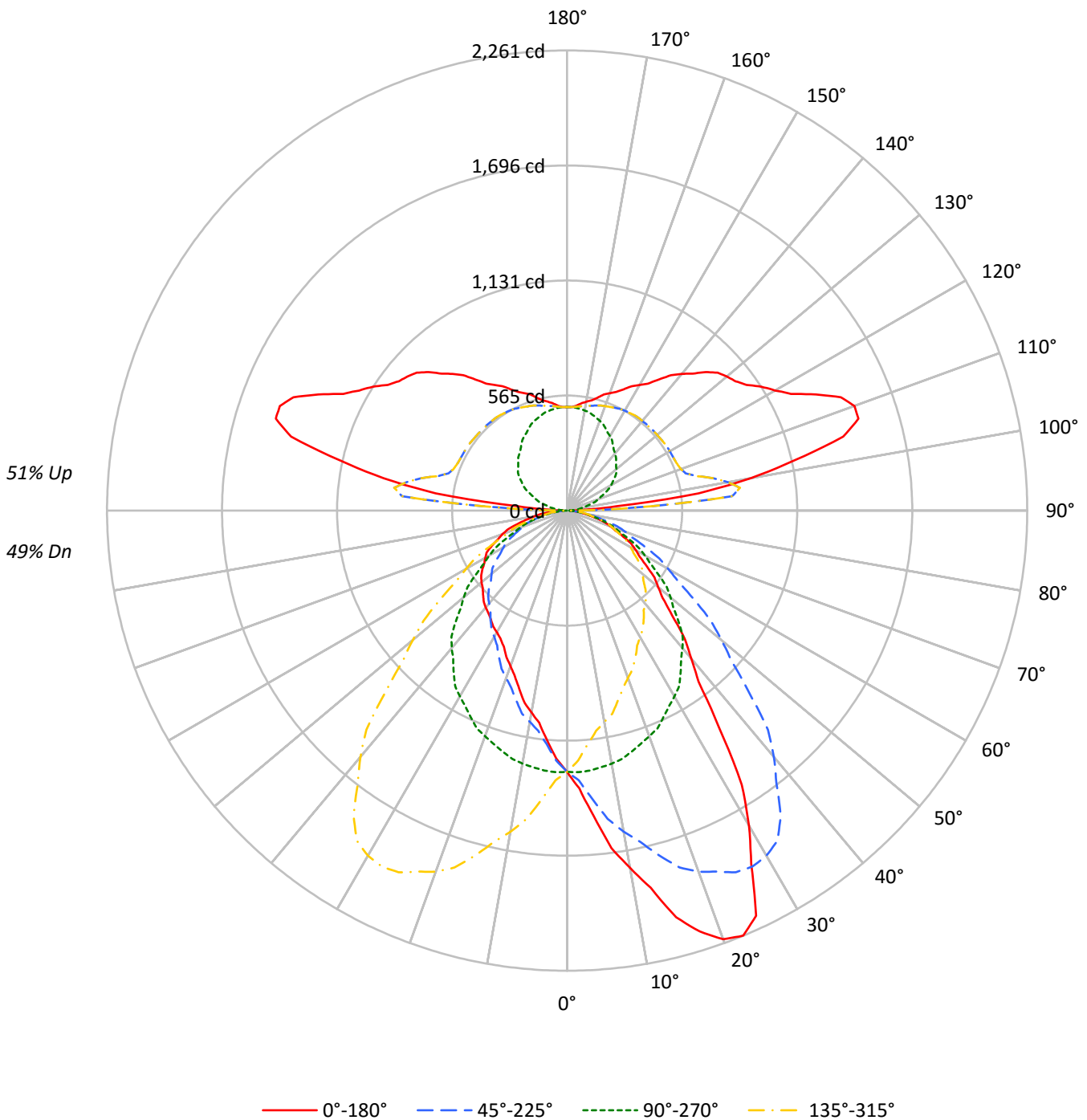
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	94	90	86	90	86	83	80	73	71	68	60	59	57	49	48	47	42
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	42	40	35
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	69	59	53	47	51	45	41	42	38	35	35	32	30	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	43	38	58	48	41	35	41	35	31	34	30	27	29	25	23	20
7	58	46	38	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	28	34	28	24	29	25	21	24	21	18	16
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	23	44	33	27	22	29	23	20	24	20	17	21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.7
10°-20°	385.5	5.3
20°-30°	611.3	8.4
30°-40°	680.3	9.4
40°-50°	619.3	8.6
50°-60°	506.1	7.0
60°-70°	361.3	5.0
70°-80°	198.9	2.7
80°-90°	57.1	0.8
90°-100°	367.0	5.1
100°-110°	763.9	10.5
110°-120°	684.2	9.4
120°-130°	575.5	7.9
130°-140°	479.9	6.6
140°-150°	366.6	5.1
150°-160°	257.7	3.6
160°-170°	151.6	2.1
170°-180°	49.3	0.7
0°-30°	1121.9	15.5
0°-40°	1802.3	24.9
0°-60°	2927.7	40.4
0°-90°	3545.0	49.0
90°-120°	1815.1	25.1
90°-150°	3237.1	44.7
90°-180°	3696.0	51.0
0°-180°	7240.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	39
90°	21	1	21	1	21	18
95°	244	33	244	33	244	378
105°	1405	117	1405	117	1405	1389
115°	1349	206	1349	206	1349	1339
125°	1076	286	1076	286	1076	978
135°	962	340	962	340	962	743
145°	786	392	786	392	786	498
155°	658	446	658	446	658	307
165°	574	486	574	486	574	165
175°	517	507	517	507	517	50
180°	508	508	508	508	508	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	13.6	14.8	15.0	15.3	15.9	16.3	16.6	15.9	17.4	18.1	19.4
90°	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0	17.0	18.0	16.0
92.5°	76.9	76.9	80.3	85.7	97.4	117.4	147.6	196.1	263.8	316.7	277.1
95°	243.6	256.6	274.5	305.5	354.4	451.2	585.0	739.7	836.6	813.6	614.0
97.5°	651.1	671.9	701.8	761.9	833.6	937.8	1035.4	1093.0	1051.0	856.9	574.6
100°	915.5	923.4	953.4	1014.3	1101.1	1175.0	1223.9	1204.0	1058.2	802.6	521.1
102.5°	1145.5	1151.9	1183.4	1227.5	1280.8	1311.6	1297.4	1198.4	998.3	734.8	485.2
105°	1404.6	1410.6	1424.6	1432.6	1430.6	1389.6	1290.8	1118.1	889.5	654.9	454.2
107.5°	1500.9	1498.3	1488.3	1465.5	1416.2	1327.2	1188.0	1004.1	801.6	610.2	448.6
110°	1502.5	1493.5	1475.5	1433.6	1362.7	1252.9	1108.1	935.4	757.7	595.0	450.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1455.3	1440.8	1415.6	1364.9	1284.4	1174.6	1037.8	885.1	733.0	587.8	455.0
115°	1348.7	1340.7	1308.8	1248.9	1170.0	1074.2	957.4	834.6	709.8	584.0	464.2
117.5°	1240.7	1234.5	1202.2	1151.9	1084.6	1003.3	911.5	809.8	699.4	583.0	474.0
120°	1180.0	1169.0	1143.1	1099.1	1042.2	971.4	891.5	798.6	693.8	583.0	481.2
122.5°	1132.1	1121.1	1099.1	1061.6	1013.5	951.4	878.7	789.1	687.4	582.2	488.4
125°	1076.2	1070.2	1051.2	1022.3	982.3	927.4	858.5	772.7	676.9	581.0	499.2
127.5°	1043.4	1037.4	1021.5	995.7	955.6	903.5	834.8	752.7	662.7	578.8	507.7
130°	1024.3	1018.3	1002.3	977.3	936.4	883.5	815.6	736.8	653.9	578.0	514.1
132.5°	1002.7	996.7	981.5	953.4	913.3	860.3	794.1	720.0	645.9	577.2	519.7
135°	962.4	956.4	940.4	912.5	872.5	822.6	761.7	696.8	633.9	576.0	528.1
137.5°	912.5	905.3	892.1	864.5	827.2	782.1	730.8	675.9	623.5	575.8	533.1
140°	876.5	868.5	854.6	832.6	797.6	755.7	710.8	663.9	618.0	575.0	537.1
142.5°	838.2	832.6	820.2	799.8	768.9	732.6	694.0	652.7	613.2	575.0	540.3
145°	785.7	780.7	770.7	753.7	728.8	700.8	670.9	636.9	605.0	573.0	542.1
147.5°	739.1	737.4	729.8	715.2	696.8	674.9	650.9	623.9	597.6	569.4	543.1
150°	712.8	711.8	705.8	692.8	676.9	658.9	638.9	616.0	592.0	567.0	543.1
152.5°	688.8	687.8	684.2	673.7	660.1	645.3	626.9	607.2	585.6	563.0	541.5
155°	657.9	657.9	654.9	646.9	636.9	624.9	610.0	594.0	576.0	557.1	539.1
157.5°	630.7	630.7	628.9	622.9	615.4	605.8	593.2	579.8	566.2	550.9	536.5
160°	614.0	614.0	613.0	607.0	601.0	593.0	582.0	571.0	559.1	546.1	534.1
162.5°	598.0	598.8	597.8	591.8	587.4	580.2	571.6	562.2	552.7	541.3	531.7
165°	574.0	575.0	576.0	572.0	568.0	563.0	556.1	550.1	542.1	534.1	527.1
167.5°	555.1	555.9	556.1	553.5	551.5	548.5	542.9	538.3	532.5	526.9	522.3
170°	543.1	543.1	544.1	543.1	541.1	538.1	534.1	531.1	526.1	522.1	519.1
172.5°	531.1	532.7	533.7	532.7	531.5	529.3	526.9	524.7	520.5	517.3	515.9
175°	517.1	519.1	521.1	519.1	519.1	519.1	517.1	516.1	514.1	512.1	512.1
177.5°	508.9	510.5	512.1	511.3	512.1	511.3	511.3	510.5	509.7	508.9	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	19.0	19.4	17.8	16.1	14.6	13.1	12.1	11.3	12.1	13.1	13.7
90°	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0	3.0	6.0	7.0
92.5°	201.7	124.2	73.5	52.7	38.1	26.0	16.6	11.4	16.6	26.0	38.1
95°	375.4	211.6	124.8	82.9	58.9	45.9	35.9	32.9	35.9	45.9	58.9
97.5°	337.4	202.3	135.4	100.2	79.7	67.7	59.1	59.1	59.1	67.7	79.7
100°	317.5	204.7	145.8	113.8	94.8	82.9	75.9	75.9	75.9	82.9	94.8
102.5°	311.9	212.6	159.3	129.0	110.8	99.6	93.4	91.8	93.4	99.6	110.8
105°	314.5	231.6	183.7	154.7	136.8	124.8	119.8	116.8	119.8	124.8	136.8
107.5°	329.2	253.8	209.8	181.3	164.1	151.3	146.4	144.4	146.4	151.3	164.1
110°	340.4	270.5	226.6	199.7	181.7	169.7	164.7	162.7	164.7	169.7	181.7



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.4	286.5	244.2	217.2	199.3	188.1	182.3	180.3	182.3	188.1	199.3
115°	371.4	311.5	271.5	244.6	225.6	215.6	208.6	205.7	208.6	215.6	225.6
117.5°	390.7	335.6	297.7	269.7	252.0	241.0	234.8	232.0	234.8	241.0	252.0
120°	404.3	352.4	314.5	286.5	269.5	258.6	251.6	249.6	251.6	258.6	269.5
122.5°	417.1	368.4	330.4	303.3	284.7	274.5	267.5	265.6	267.5	274.5	284.7
125°	436.3	390.3	354.4	326.4	307.5	296.5	290.5	286.5	290.5	296.5	307.5
127.5°	452.8	410.7	376.0	347.8	328.0	315.5	308.3	305.1	308.3	315.5	328.0
130°	463.2	424.3	390.3	361.4	342.4	327.4	319.5	315.5	319.5	327.4	342.4
132.5°	473.6	435.5	401.5	374.2	353.6	339.4	329.0	325.8	329.0	339.4	353.6
135°	487.2	451.2	418.3	392.3	371.4	354.4	344.4	340.4	344.4	354.4	371.4
137.5°	496.8	463.2	432.5	407.7	385.9	369.8	358.8	355.0	358.8	369.8	385.9
140°	503.1	471.2	441.3	417.3	396.3	379.4	368.4	365.4	368.4	379.4	396.3
142.5°	507.9	478.4	449.2	426.1	405.9	389.7	379.6	376.6	379.6	389.7	405.9
145°	513.1	486.2	460.2	438.3	419.3	405.3	395.3	392.3	395.3	405.3	419.3
147.5°	517.7	494.2	469.8	450.0	434.3	419.9	411.1	410.1	411.1	419.9	434.3
150°	520.1	498.2	476.2	457.2	442.3	430.3	422.3	421.3	422.3	430.3	442.3
152.5°	521.7	501.4	481.8	464.4	451.0	439.9	431.9	431.7	431.9	439.9	451.0
155°	523.1	506.1	489.2	474.2	463.2	453.2	447.2	446.2	447.2	453.2	463.2
157.5°	523.1	509.5	495.2	483.4	473.8	466.0	460.4	460.4	460.4	466.0	473.8
160°	523.1	511.1	499.2	488.2	480.2	473.2	469.2	469.2	469.2	473.2	480.2
162.5°	523.1	512.7	501.6	493.0	485.8	479.6	476.4	477.2	476.4	479.6	485.8
165°	521.1	513.1	504.1	498.2	493.2	488.2	486.2	486.2	486.2	488.2	493.2
167.5°	518.7	512.9	506.3	501.8	499.0	495.2	494.2	495.2	494.2	495.2	499.0
170°	517.1	512.1	507.1	504.1	502.2	499.2	498.2	499.2	498.2	499.2	502.2
172.5°	515.5	511.3	507.9	505.7	504.5	502.3	502.2	503.1	502.2	502.3	504.5
175°	513.1	510.1	508.1	508.1	507.1	506.1	506.1	507.1	506.1	506.1	507.1
177.5°	510.5	508.9	508.1	508.1	508.1	507.3	508.1	508.9	508.1	507.3	508.1
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	15.2	15.2	18.1	19.0	20.6	23.2	23.8	28.7	30.6	32.9	36.8
90°	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0	19.0	20.0	20.0
92.5°	52.7	73.5	124.2	201.7	277.1	316.7	263.8	196.1	147.6	117.4	97.4
95°	82.9	124.8	211.6	375.4	614.0	813.6	836.6	739.7	585.0	451.2	354.4
97.5°	100.2	135.4	202.3	337.4	574.6	856.9	1051.0	1093.0	1035.4	937.8	833.6
100°	113.8	145.8	204.7	317.5	521.1	802.6	1058.2	1204.0	1223.9	1175.0	1101.1
102.5°	129.0	159.3	212.6	311.9	485.2	734.8	998.3	1198.4	1297.4	1311.6	1280.8
105°	154.7	183.7	231.6	314.5	454.2	654.9	889.5	1118.1	1290.8	1389.6	1430.6
107.5°	181.3	209.8	253.8	329.2	448.6	610.2	801.6	1004.1	1188.0	1327.2	1416.2
110°	199.7	226.6	270.5	340.4	450.2	595.0	757.7	935.4	1108.1	1252.9	1362.7



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.2	244.2	286.5	352.4	455.0	587.8	733.0	885.1	1037.8	1174.6	1284.4
115°	244.6	271.5	311.5	371.4	464.2	584.0	709.8	834.6	957.4	1074.2	1170.0
117.5°	269.7	297.7	335.6	390.7	474.0	583.0	699.4	809.8	911.5	1003.3	1084.6
120°	286.5	314.5	352.4	404.3	481.2	583.0	693.8	798.6	891.5	971.4	1042.2
122.5°	303.3	330.4	368.4	417.1	488.4	582.2	687.4	789.1	878.7	951.4	1013.5
125°	326.4	354.4	390.3	436.3	499.2	581.0	676.9	772.7	858.5	927.4	982.3
127.5°	347.8	376.0	410.7	452.8	507.7	578.8	662.7	752.7	834.8	903.5	955.6
130°	361.4	390.3	424.3	463.2	514.1	578.0	653.9	736.8	815.6	883.5	936.4
132.5°	374.2	401.5	435.5	473.6	519.7	577.2	645.9	720.0	794.1	860.3	913.3
135°	392.3	418.3	451.2	487.2	528.1	576.0	633.9	696.8	761.7	822.6	872.5
137.5°	407.7	432.5	463.2	496.8	533.1	575.8	623.5	675.9	730.8	782.1	827.2
140°	417.3	441.3	471.2	503.1	537.1	575.0	618.0	663.9	710.8	755.7	797.6
142.5°	426.1	449.2	478.4	507.9	540.3	575.0	613.2	652.7	694.0	732.6	768.9
145°	438.3	460.2	486.2	513.1	542.1	573.0	605.0	636.9	670.9	700.8	728.8
147.5°	450.0	469.8	494.2	517.7	543.1	569.4	597.6	623.9	650.9	674.9	696.8
150°	457.2	476.2	498.2	520.1	543.1	567.0	592.0	616.0	638.9	658.9	676.9
152.5°	464.4	481.8	501.4	521.7	541.5	563.0	585.6	607.2	626.9	645.3	660.1
155°	474.2	489.2	506.1	523.1	539.1	557.1	576.0	594.0	610.0	624.9	636.9
157.5°	483.4	495.2	509.5	523.1	536.5	550.9	566.2	579.8	593.2	605.8	615.4
160°	488.2	499.2	511.1	523.1	534.1	546.1	559.1	571.0	582.0	593.0	601.0
162.5°	493.0	501.6	512.7	523.1	531.7	541.3	552.7	562.2	571.6	580.2	587.4
165°	498.2	504.1	513.1	521.1	527.1	534.1	542.1	550.1	556.1	563.0	568.0
167.5°	501.8	506.3	512.9	518.7	522.3	526.9	532.5	538.3	542.9	548.5	551.5
170°	504.1	507.1	512.1	517.1	519.1	522.1	526.1	531.1	534.1	538.1	541.1
172.5°	505.7	507.9	511.3	515.5	515.9	517.3	520.5	524.7	526.9	529.3	531.5
175°	508.1	508.1	510.1	513.1	512.1	512.1	514.1	516.1	517.1	519.1	519.1
177.5°	508.1	508.1	508.9	510.5	508.9	508.9	509.7	510.5	511.3	511.3	512.1
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	38.2	38.9	39.9	40.8	39.9	38.9	38.2	36.8	32.9	30.6	28.7
90°	21.0	22.0	21.0	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0
92.5°	85.7	80.3	76.9	76.9	76.9	80.3	85.7	97.4	117.4	147.6	196.1
95°	305.5	274.5	256.6	243.6	256.6	274.5	305.5	354.4	451.2	585.0	739.7
97.5°	761.9	701.8	671.9	651.1	671.9	701.8	761.9	833.6	937.8	1035.4	1093.0
100°	1014.3	953.4	923.4	915.5	923.4	953.4	1014.3	1101.1	1175.0	1223.9	1204.0
102.5°	1227.5	1183.4	1151.9	1145.5	1151.9	1183.4	1227.5	1280.8	1311.6	1297.4	1198.4
105°	1432.6	1424.6	1410.6	1404.6	1410.6	1424.6	1432.6	1430.6	1389.6	1290.8	1118.1
107.5°	1465.5	1488.3	1498.3	1500.9	1498.3	1488.3	1465.5	1416.2	1327.2	1188.0	1004.1
110°	1433.6	1475.5	1493.5	1502.5	1493.5	1475.5	1433.6	1362.7	1252.9	1108.1	935.4



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1364.9	1415.6	1440.8	1455.3	1440.8	1415.6	1364.9	1284.4	1174.6	1037.8	885.1
115°	1248.9	1308.8	1340.7	1348.7	1340.7	1308.8	1248.9	1170.0	1074.2	957.4	834.6
117.5°	1151.9	1202.2	1234.5	1240.7	1234.5	1202.2	1151.9	1084.6	1003.3	911.5	809.8
120°	1099.1	1143.1	1169.0	1180.0	1169.0	1143.1	1099.1	1042.2	971.4	891.5	798.6
122.5°	1061.6	1099.1	1121.1	1132.1	1121.1	1099.1	1061.6	1013.5	951.4	878.7	789.1
125°	1022.3	1051.2	1070.2	1076.2	1070.2	1051.2	1022.3	982.3	927.4	858.5	772.7
127.5°	995.7	1021.5	1037.4	1043.4	1037.4	1021.5	995.7	955.6	903.5	834.8	752.7
130°	977.3	1002.3	1018.3	1024.3	1018.3	1002.3	977.3	936.4	883.5	815.6	736.8
132.5°	953.4	981.5	996.7	1002.7	996.7	981.5	953.4	913.3	860.3	794.1	720.0
135°	912.5	940.4	956.4	962.4	956.4	940.4	912.5	872.5	822.6	761.7	696.8
137.5°	864.5	892.1	905.3	912.5	905.3	892.1	864.5	827.2	782.1	730.8	675.9
140°	832.6	854.6	868.5	876.5	868.5	854.6	832.6	797.6	755.7	710.8	663.9
142.5°	799.8	820.2	832.6	838.2	832.6	820.2	799.8	768.9	732.6	694.0	652.7
145°	753.7	770.7	780.7	785.7	780.7	770.7	753.7	728.8	700.8	670.9	636.9
147.5°	715.2	729.8	737.4	739.1	737.4	729.8	715.2	696.8	674.9	650.9	623.9
150°	692.8	705.8	711.8	712.8	711.8	705.8	692.8	676.9	658.9	638.9	616.0
152.5°	673.7	684.2	687.8	688.8	687.8	684.2	673.7	660.1	645.3	626.9	607.2
155°	646.9	654.9	657.9	657.9	657.9	654.9	646.9	636.9	624.9	610.0	594.0
157.5°	622.9	628.9	630.7	630.7	630.7	628.9	622.9	615.4	605.8	593.2	579.8
160°	607.0	613.0	614.0	614.0	614.0	613.0	607.0	601.0	593.0	582.0	571.0
162.5°	591.8	597.8	598.8	598.0	598.8	597.8	591.8	587.4	580.2	571.6	562.2
165°	572.0	576.0	575.0	574.0	575.0	576.0	572.0	568.0	563.0	556.1	550.1
167.5°	553.5	556.1	555.9	555.1	555.9	556.1	553.5	551.5	548.5	542.9	538.3
170°	543.1	544.1	543.1	543.1	543.1	544.1	543.1	541.1	538.1	534.1	531.1
172.5°	532.7	533.7	532.7	531.1	532.7	533.7	532.7	531.5	529.3	526.9	524.7
175°	519.1	521.1	519.1	517.1	519.1	521.1	519.1	519.1	519.1	517.1	516.1
177.5°	511.3	512.1	510.5	508.9	510.5	512.1	511.3	512.1	511.3	511.3	510.5
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	23.8	23.2	20.6	19.0	18.1	15.2	15.2	13.7	13.1	12.1	11.3
90°	17.0	18.0	16.0	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0
92.5°	263.8	316.7	277.1	201.7	124.2	73.5	52.7	38.1	26.0	16.6	11.4
95°	836.6	813.6	614.0	375.4	211.6	124.8	82.9	58.9	45.9	35.9	32.9
97.5°	1051.0	856.9	574.6	337.4	202.3	135.4	100.2	79.7	67.7	59.1	59.1
100°	1058.2	802.6	521.1	317.5	204.7	145.8	113.8	94.8	82.9	75.9	75.9
102.5°	998.3	734.8	485.2	311.9	212.6	159.3	129.0	110.8	99.6	93.4	91.8
105°	889.5	654.9	454.2	314.5	231.6	183.7	154.7	136.8	124.8	119.8	116.8
107.5°	801.6	610.2	448.6	329.2	253.8	209.8	181.3	164.1	151.3	146.4	144.4
110°	757.7	595.0	450.2	340.4	270.5	226.6	199.7	181.7	169.7	164.7	162.7



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	733.0	587.8	455.0	352.4	286.5	244.2	217.2	199.3	188.1	182.3	180.3
115°	709.8	584.0	464.2	371.4	311.5	271.5	244.6	225.6	215.6	208.6	205.7
117.5°	699.4	583.0	474.0	390.7	335.6	297.7	269.7	252.0	241.0	234.8	232.0
120°	693.8	583.0	481.2	404.3	352.4	314.5	286.5	269.5	258.6	251.6	249.6
122.5°	687.4	582.2	488.4	417.1	368.4	330.4	303.3	284.7	274.5	267.5	265.6
125°	676.9	581.0	499.2	436.3	390.3	354.4	326.4	307.5	296.5	290.5	286.5
127.5°	662.7	578.8	507.7	452.8	410.7	376.0	347.8	328.0	315.5	308.3	305.1
130°	653.9	578.0	514.1	463.2	424.3	390.3	361.4	342.4	327.4	319.5	315.5
132.5°	645.9	577.2	519.7	473.6	435.5	401.5	374.2	353.6	339.4	329.0	325.8
135°	633.9	576.0	528.1	487.2	451.2	418.3	392.3	371.4	354.4	344.4	340.4
137.5°	623.5	575.8	533.1	496.8	463.2	432.5	407.7	385.9	369.8	358.8	355.0
140°	618.0	575.0	537.1	503.1	471.2	441.3	417.3	396.3	379.4	368.4	365.4
142.5°	613.2	575.0	540.3	507.9	478.4	449.2	426.1	405.9	389.7	379.6	376.6
145°	605.0	573.0	542.1	513.1	486.2	460.2	438.3	419.3	405.3	395.3	392.3
147.5°	597.6	569.4	543.1	517.7	494.2	469.8	450.0	434.3	419.9	411.1	410.1
150°	592.0	567.0	543.1	520.1	498.2	476.2	457.2	442.3	430.3	422.3	421.3
152.5°	585.6	563.0	541.5	521.7	501.4	481.8	464.4	451.0	439.9	431.9	431.7
155°	576.0	557.1	539.1	523.1	506.1	489.2	474.2	463.2	453.2	447.2	446.2
157.5°	566.2	550.9	536.5	523.1	509.5	495.2	483.4	473.8	466.0	460.4	460.4
160°	559.1	546.1	534.1	523.1	511.1	499.2	488.2	480.2	473.2	469.2	469.2
162.5°	552.7	541.3	531.7	523.1	512.7	501.6	493.0	485.8	479.6	476.4	477.2
165°	542.1	534.1	527.1	521.1	513.1	504.1	498.2	493.2	488.2	486.2	486.2
167.5°	532.5	526.9	522.3	518.7	512.9	506.3	501.8	499.0	495.2	494.2	495.2
170°	526.1	522.1	519.1	517.1	512.1	507.1	504.1	502.2	499.2	498.2	499.2
172.5°	520.5	517.3	515.9	515.5	511.3	507.9	505.7	504.5	502.3	502.2	503.1
175°	514.1	512.1	512.1	513.1	510.1	508.1	508.1	507.1	506.1	506.1	507.1
177.5°	509.7	508.9	508.9	510.5	508.9	508.1	508.1	508.1	507.3	508.1	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



TEST NUMBER: P332609

CATALOG NUMBER: S124DIP-S795D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.1	13.1	14.6	16.1	17.8	19.4	19.0	19.4	18.1	17.4	15.9
90°	3.0	6.0	7.0	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0
92.5°	16.6	26.0	38.1	52.7	73.5	124.2	201.7	277.1	316.7	263.8	196.1
95°	35.9	45.9	58.9	82.9	124.8	211.6	375.4	614.0	813.6	836.6	739.7
97.5°	59.1	67.7	79.7	100.2	135.4	202.3	337.4	574.6	856.9	1051.0	1093.0
100°	75.9	82.9	94.8	113.8	145.8	204.7	317.5	521.1	802.6	1058.2	1204.0
102.5°	93.4	99.6	110.8	129.0	159.3	212.6	311.9	485.2	734.8	998.3	1198.4
105°	119.8	124.8	136.8	154.7	183.7	231.6	314.5	454.2	654.9	889.5	1118.1
107.5°	146.4	151.3	164.1	181.3	209.8	253.8	329.2	448.6	610.2	801.6	1004.1
110°	164.7	169.7	181.7	199.7	226.6	270.5	340.4	450.2	595.0	757.7	935.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	182.3	188.1	199.3	217.2	244.2	286.5	352.4	455.0	587.8	733.0	885.1
115°	208.6	215.6	225.6	244.6	271.5	311.5	371.4	464.2	584.0	709.8	834.6
117.5°	234.8	241.0	252.0	269.7	297.7	335.6	390.7	474.0	583.0	699.4	809.8
120°	251.6	258.6	269.5	286.5	314.5	352.4	404.3	481.2	583.0	693.8	798.6
122.5°	267.5	274.5	284.7	303.3	330.4	368.4	417.1	488.4	582.2	687.4	789.1
125°	290.5	296.5	307.5	326.4	354.4	390.3	436.3	499.2	581.0	676.9	772.7
127.5°	308.3	315.5	328.0	347.8	376.0	410.7	452.8	507.7	578.8	662.7	752.7
130°	319.5	327.4	342.4	361.4	390.3	424.3	463.2	514.1	578.0	653.9	736.8
132.5°	329.0	339.4	353.6	374.2	401.5	435.5	473.6	519.7	577.2	645.9	720.0
135°	344.4	354.4	371.4	392.3	418.3	451.2	487.2	528.1	576.0	633.9	696.8
137.5°	358.8	369.8	385.9	407.7	432.5	463.2	496.8	533.1	575.8	623.5	675.9
140°	368.4	379.4	396.3	417.3	441.3	471.2	503.1	537.1	575.0	618.0	663.9
142.5°	379.6	389.7	405.9	426.1	449.2	478.4	507.9	540.3	575.0	613.2	652.7
145°	395.3	405.3	419.3	438.3	460.2	486.2	513.1	542.1	573.0	605.0	636.9
147.5°	411.1	419.9	434.3	450.0	469.8	494.2	517.7	543.1	569.4	597.6	623.9
150°	422.3	430.3	442.3	457.2	476.2	498.2	520.1	543.1	567.0	592.0	616.0
152.5°	431.9	439.9	451.0	464.4	481.8	501.4	521.7	541.5	563.0	585.6	607.2
155°	447.2	453.2	463.2	474.2	489.2	506.1	523.1	539.1	557.1	576.0	594.0
157.5°	460.4	466.0	473.8	483.4	495.2	509.5	523.1	536.5	550.9	566.2	579.8
160°	469.2	473.2	480.2	488.2	499.2	511.1	523.1	534.1	546.1	559.1	571.0
162.5°	476.4	479.6	485.8	493.0	501.6	512.7	523.1	531.7	541.3	552.7	562.2
165°	486.2	488.2	493.2	498.2	504.1	513.1	521.1	527.1	534.1	542.1	550.1
167.5°	494.2	495.2	499.0	501.8	506.3	512.9	518.7	522.3	526.9	532.5	538.3
170°	498.2	499.2	502.2	504.1	507.1	512.1	517.1	519.1	522.1	526.1	531.1
172.5°	502.2	502.3	504.5	505.7	507.9	511.3	515.5	515.9	517.3	520.5	524.7
175°	506.1	506.1	507.1	508.1	508.1	510.1	513.1	512.1	512.1	514.1	516.1
177.5°	508.1	507.3	508.1	508.1	508.1	508.9	510.5	508.9	508.9	509.7	510.5
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1	508.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	16.6	16.3	15.9	15.3	15.0	14.8	13.6
90°	19.0	20.0	20.0	21.0	22.0	21.0	21.0
92.5°	147.6	117.4	97.4	85.7	80.3	76.9	76.9
95°	585.0	451.2	354.4	305.5	274.5	256.6	243.6
97.5°	1035.4	937.8	833.6	761.9	701.8	671.9	651.1
100°	1223.9	1175.0	1101.1	1014.3	953.4	923.4	915.5
102.5°	1297.4	1311.6	1280.8	1227.5	1183.4	1151.9	1145.5
105°	1290.8	1389.6	1430.6	1432.6	1424.6	1410.6	1404.6
107.5°	1188.0	1327.2	1416.2	1465.5	1488.3	1498.3	1500.9
110°	1108.1	1252.9	1362.7	1433.6	1475.5	1493.5	1502.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1037.8	1174.6	1284.4	1364.9	1415.6	1440.8	1455.3
115°	957.4	1074.2	1170.0	1248.9	1308.8	1340.7	1348.7
117.5°	911.5	1003.3	1084.6	1151.9	1202.2	1234.5	1240.7
120°	891.5	971.4	1042.2	1099.1	1143.1	1169.0	1180.0
122.5°	878.7	951.4	1013.5	1061.6	1099.1	1121.1	1132.1
125°	858.5	927.4	982.3	1022.3	1051.2	1070.2	1076.2
127.5°	834.8	903.5	955.6	995.7	1021.5	1037.4	1043.4
130°	815.6	883.5	936.4	977.3	1002.3	1018.3	1024.3
132.5°	794.1	860.3	913.3	953.4	981.5	996.7	1002.7
135°	761.7	822.6	872.5	912.5	940.4	956.4	962.4
137.5°	730.8	782.1	827.2	864.5	892.1	905.3	912.5
140°	710.8	755.7	797.6	832.6	854.6	868.5	876.5
142.5°	694.0	732.6	768.9	799.8	820.2	832.6	838.2
145°	670.9	700.8	728.8	753.7	770.7	780.7	785.7
147.5°	650.9	674.9	696.8	715.2	729.8	737.4	739.1
150°	638.9	658.9	676.9	692.8	705.8	711.8	712.8
152.5°	626.9	645.3	660.1	673.7	684.2	687.8	688.8
155°	610.0	624.9	636.9	646.9	654.9	657.9	657.9
157.5°	593.2	605.8	615.4	622.9	628.9	630.7	630.7
160°	582.0	593.0	601.0	607.0	613.0	614.0	614.0
162.5°	571.6	580.2	587.4	591.8	597.8	598.8	598.0
165°	556.1	563.0	568.0	572.0	576.0	575.0	574.0
167.5°	542.9	548.5	551.5	553.5	556.1	555.9	555.1
170°	534.1	538.1	541.1	543.1	544.1	543.1	543.1
172.5°	526.9	529.3	531.5	532.7	533.7	532.7	531.1
175°	517.1	519.1	519.1	519.1	521.1	519.1	517.1
177.5°	511.3	511.3	512.1	511.3	512.1	510.5	508.9
180°	508.1	508.1	508.1	508.1	508.1	508.1	508.1

(END OF REPORT)