

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: P332010

Luminaire Tested: **S123DIP-S1000D585U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332010
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D585U835-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6253.1 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

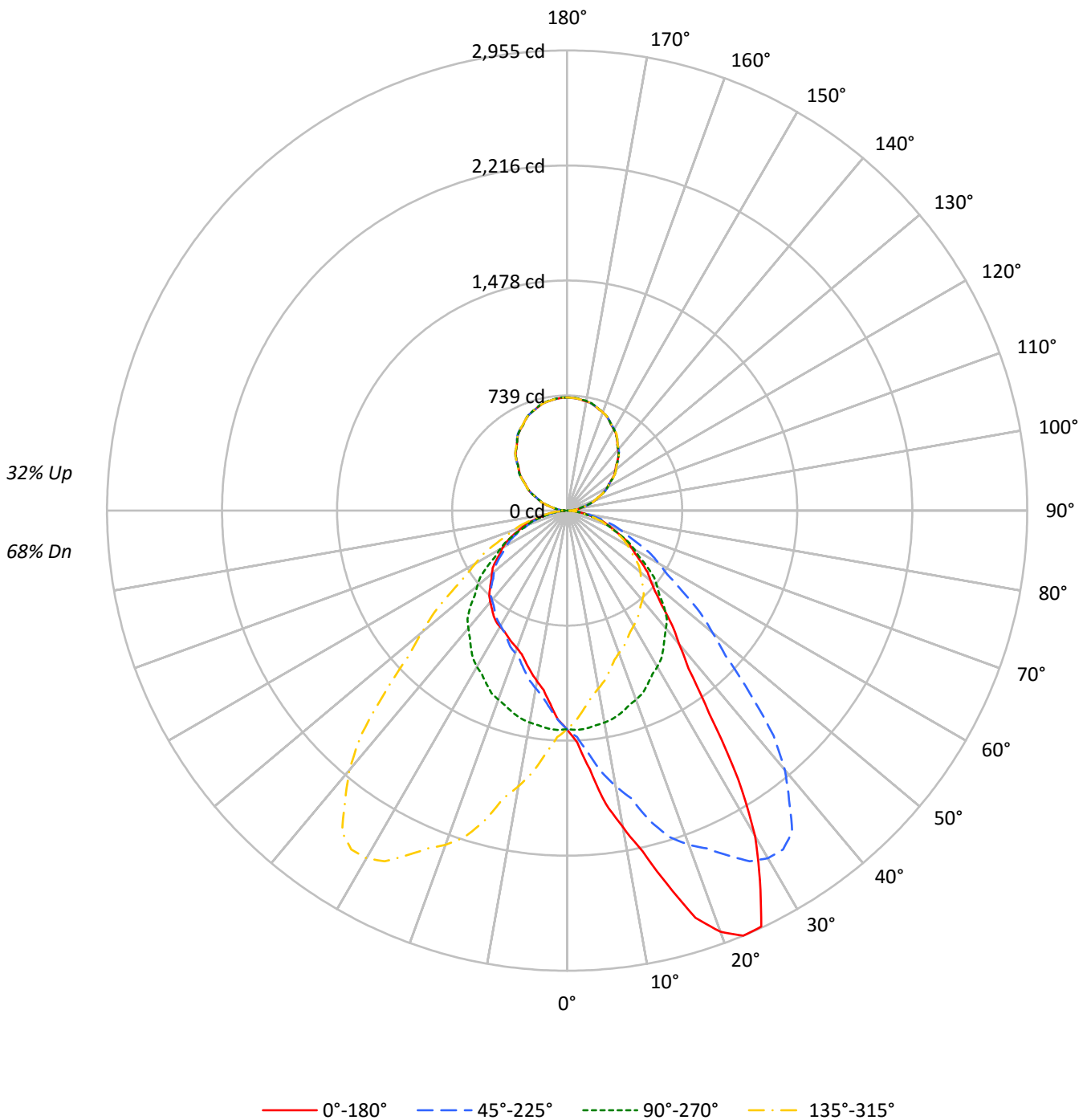
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68
1	102	98	94	91	96	92	89	86	82	80	78	73	71	70	65	63	62	58
2	93	86	80	75	88	81	76	71	73	68	65	65	61	59	57	55	53	49
3	85	76	68	63	80	72	65	60	64	59	55	58	53	50	51	48	45	42
4	78	67	59	53	74	64	57	51	57	52	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	52	46	41	46	41	38	41	38	34	32
6	66	54	46	40	63	52	44	39	47	40	36	42	37	33	38	34	30	28
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	21	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15118	15118	15118	15118
5°	18029	15183	13456	15183
10°	22566	15106	12153	15106
15°	27679	14985	11314	14985
20°	32972	14795	10772	14795
25°	35011	14563	10652	14563
30°	30009	14395	10708	14395
35°	20871	14155	10820	14155
40°	15719	13874	10786	13874
45°	13052	13457	10648	13457
50°	11692	12603	10551	12603
55°	10931	11684	10421	11684
60°	10254	10723	10314	10723
65°	9638	9775	9984	9775
70°	9039	8696	9508	8696
75°	8093	7615	8717	7615
80°	7085	6242	7507	6242
85°	5545	4533	5039	4533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	2.2
10°-20°	443.6	7.1
20°-30°	744.6	11.9
30°-40°	843.1	13.5
40°-50°	756.1	12.1
50°-60°	610.1	9.8
60°-70°	425.2	6.8
70°-80°	223.5	3.6
80°-90°	56.8	0.9
90°-100°	47.3	0.8
100°-110°	141.6	2.3
110°-120°	240.8	3.9
120°-130°	316.7	5.1
130°-140°	356.0	5.7
140°-150°	349.9	5.6
150°-160°	294.6	4.7
160°-170°	196.1	3.1
170°-180°	68.7	1.1
0°-30°	1326.6	21.2
0°-40°	2169.7	34.7
0°-60°	3535.9	56.5
0°-90°	4241.3	67.8
90°-120°	429.7	6.9
90°-150°	1452.4	23.2
90°-180°	2012.0	32.2
0°-180°	6253.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1404	1404	1404	1404	1404	
5°	1669	1405	1245	1405	1669	173
15°	2484	1345	1015	1345	2484	717
25°	2948	1226	897	1226	2948	1293
35°	1588	1077	823	1077	1588	1032
45°	857	884	700	884	857	678
55°	582	623	555	623	582	523
65°	378	384	392	384	378	377
75°	195	183	210	183	195	208
85°	45	37	41	37	45	54
90°	17	1	17	1	17	11
95°	44	34	44	34	44	46
105°	136	128	136	128	136	144
115°	243	242	243	242	243	241
125°	351	355	351	355	351	314
135°	460	460	460	460	460	353
145°	558	558	558	558	558	349
155°	638	639	638	639	638	294
165°	694	696	694	696	694	196
175°	722	724	722	724	722	69
180°	726	726	726	726	726	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1490.5	1489.5	1486.7	1488.9	1484.6	1478.6	1478.0	1472.6	1456.8	1455.7	1451.4
5°	1668.6	1663.1	1662.4	1661.8	1652.2	1639.3	1614.8	1612.8	1580.1	1563.8	1544.0
7.5°	1899.1	1902.0	1892.0	1883.3	1854.2	1835.0	1808.7	1775.1	1735.0	1694.3	1667.2
10°	2064.6	2087.1	2059.2	2040.1	2022.4	1989.1	1950.3	1902.0	1853.7	1797.2	1754.3
12.5°	2242.1	2253.1	2247.5	2229.6	2202.1	2151.3	2082.6	2029.4	1984.9	1890.8	1852.8
15°	2483.8	2525.3	2498.8	2437.5	2438.9	2390.6	2300.7	2202.1	2149.7	2067.3	1955.1
17.5°	2741.3	2746.5	2735.2	2684.1	2650.1	2583.7	2500.8	2406.2	2300.1	2200.4	2081.4
20°	2878.5	2874.4	2850.6	2824.0	2765.5	2713.8	2623.3	2517.8	2381.7	2283.7	2153.8
22.5°	2954.7	2947.9	2936.6	2914.4	2865.7	2810.2	2728.9	2613.6	2484.1	2349.1	2198.9
25°	2947.9	2956.7	2958.1	2952.0	2935.0	2901.6	2837.6	2745.8	2616.5	2443.0	2286.5
27.5°	2681.1	2693.7	2730.0	2762.3	2798.3	2835.1	2830.2	2784.6	2688.9	2539.0	2347.7
30°	2414.4	2387.2	2454.5	2539.6	2597.4	2699.5	2756.7	2760.1	2706.3	2577.7	2391.2
32.5°	2044.2	2074.1	2103.9	2208.6	2335.0	2449.6	2563.4	2655.0	2665.5	2579.9	2416.8
35°	1588.3	1625.7	1680.1	1734.6	1870.7	1987.7	2187.8	2362.0	2500.8	2519.2	2419.1
37.5°	1279.9	1298.4	1332.8	1387.4	1476.4	1615.2	1770.0	1990.2	2191.3	2340.9	2347.4
40°	1118.7	1124.2	1163.0	1204.5	1276.6	1390.9	1530.4	1725.0	1965.9	2174.9	2262.0
42.5°	997.9	1009.8	1026.3	1066.2	1123.6	1209.6	1339.3	1500.2	1721.0	1961.4	2131.8
45°	857.4	871.0	881.2	907.8	948.6	1006.4	1097.0	1243.9	1412.0	1660.4	1889.7
47.5°	764.6	765.7	773.3	793.3	821.1	864.5	928.5	1022.9	1177.2	1378.7	1614.1
50°	698.2	709.1	711.8	727.4	749.2	781.2	834.3	914.6	1041.2	1218.1	1434.5
52.5°	651.4	654.6	662.3	673.6	692.6	717.5	763.5	826.4	925.7	1076.5	1275.5
55°	582.5	582.5	590.0	598.8	609.7	632.2	662.8	709.1	784.6	901.7	1066.3
57.5°	518.8	522.2	527.5	530.2	539.5	554.3	579.9	615.0	671.4	761.5	892.4
60°	476.3	482.5	481.8	487.2	495.4	507.0	528.7	557.3	607.7	679.8	790.1
62.5°	439.3	438.9	438.8	445.3	453.5	464.5	478.7	503.4	546.2	610.1	704.0
65°	378.4	377.0	381.8	385.8	388.6	396.7	407.6	429.4	458.0	505.6	578.4
67.5°	324.2	320.2	322.8	324.2	328.8	335.2	345.4	358.9	381.6	419.9	474.7
70°	287.2	283.8	283.1	284.4	288.5	293.3	300.8	313.7	334.8	365.4	405.6
72.5°	249.1	246.7	246.6	249.6	251.5	254.6	259.9	271.8	288.5	311.5	349.0
75°	194.6	194.6	194.6	195.3	197.3	200.1	204.1	210.3	223.2	239.5	264.7
77.5°	145.9	145.8	144.9	144.8	147.8	149.0	150.0	155.7	162.9	173.9	192.3
80°	114.3	110.9	112.3	114.3	115.7	116.4	118.4	119.8	125.9	132.0	144.9
82.5°	84.9	82.1	82.3	85.5	85.7	86.4	88.5	90.4	92.7	98.3	105.2
85°	44.9	44.9	45.6	45.6	46.3	45.6	47.6	48.3	48.3	51.7	55.8
87.5°	19.8	18.6	19.1	19.6	19.0	19.5	19.9	20.4	20.8	21.2	21.5
90°	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7	14.2	13.7	12.0
92.5°	23.0	23.2	23.3	23.5	23.7	23.5	23.1	22.7	22.3	21.9	21.0
95°	44.5	44.5	44.5	44.5	44.5	44.2	43.7	43.2	42.7	42.2	41.2
97.5°	68.4	68.5	68.5	68.6	68.6	68.4	67.8	67.2	66.6	66.1	65.3
100°	86.7	86.4	86.2	85.9	85.7	85.4	85.0	84.6	84.2	83.8	83.2
102.5°	105.4	105.5	105.5	105.6	105.6	105.4	105.1	104.7	104.3	103.9	103.1
105°	135.8	135.5	135.2	135.0	134.7	134.6	134.6	134.6	134.6	134.6	133.5
107.5°	167.4	167.5	167.7	167.8	168.0	167.8	167.4	167.0	166.6	166.2	165.8
110°	188.8	189.1	189.3	189.6	189.8	189.7	189.2	188.7	188.2	187.7	187.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	211.6	211.7	211.7	211.8	211.8	211.5	210.9	210.3	209.7	209.1	209.1
115°	243.0	243.1	243.2	243.4	243.5	243.5	243.4	243.2	243.1	243.0	243.2
117.5°	274.8	275.2	275.5	275.9	276.2	276.4	276.4	276.5	276.5	276.5	276.9
120°	297.2	297.4	297.7	297.9	298.2	298.4	298.5	298.6	298.8	298.9	299.5
122.5°	318.6	319.0	319.3	319.7	320.0	320.4	320.7	321.0	321.4	321.7	322.0
125°	350.8	351.3	351.8	352.3	352.8	353.3	353.8	354.3	354.8	355.4	355.6
127.5°	382.8	383.4	384.0	384.6	385.2	385.8	386.5	387.2	388.0	388.7	388.9
130°	403.8	404.7	405.6	406.5	407.4	408.1	408.6	409.1	409.6	410.1	410.5
132.5°	425.7	426.4	427.1	427.8	428.5	429.1	429.7	430.3	430.9	431.6	431.8
135°	459.7	460.0	460.2	460.5	460.7	461.1	461.6	462.1	462.7	463.2	463.3
137.5°	489.7	490.2	490.7	491.2	491.7	492.2	492.7	493.2	493.8	494.3	494.0
140°	509.4	510.2	511.1	512.0	512.9	513.4	513.5	513.7	513.8	513.9	513.8
142.5°	529.4	530.1	530.8	531.5	532.2	532.6	532.7	532.8	533.0	533.1	532.9
145°	558.4	558.9	559.4	559.9	560.4	560.8	560.9	561.0	561.1	561.3	560.9
147.5°	584.2	585.0	585.7	586.5	587.2	587.6	587.6	587.6	587.6	587.6	587.3
150°	600.6	601.4	602.1	602.9	603.7	604.0	604.0	604.0	604.0	604.0	603.8
152.5°	616.6	617.3	617.9	618.6	619.2	619.5	619.3	619.1	618.8	618.6	618.5
155°	638.3	639.2	640.0	640.9	641.8	642.0	641.5	641.0	640.5	640.0	639.9
157.5°	658.0	658.7	659.4	660.1	660.8	660.9	660.4	659.9	659.3	658.8	658.7
160°	670.8	671.3	671.8	672.3	672.8	672.7	672.1	671.5	670.8	670.2	670.2
162.5°	680.4	681.2	682.0	682.8	683.6	683.7	683.1	682.4	681.8	681.2	681.1
165°	694.2	695.1	695.9	696.8	697.7	697.8	697.0	696.3	695.5	694.7	694.7
167.5°	705.9	706.7	707.5	708.3	709.1	709.1	708.3	707.5	706.7	705.9	705.8
170°	711.8	712.7	713.6	714.5	715.4	715.4	714.5	713.6	712.7	711.8	711.8
172.5°	716.4	717.3	718.2	719.1	720.0	720.0	719.2	718.4	717.7	716.9	716.9
175°	721.5	722.4	723.3	724.2	725.1	725.2	724.4	723.6	722.9	722.1	722.1
177.5°	724.3	725.0	725.7	726.4	727.1	727.2	726.6	726.0	725.3	724.7	724.7
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1448.1	1443.7	1439.4	1431.8	1425.2	1416.0	1413.2	1410.0	1400.2	1391.5	1384.9
5°	1536.5	1520.2	1496.4	1474.6	1456.9	1433.1	1419.5	1405.2	1384.8	1366.4	1351.5
7.5°	1629.1	1597.0	1560.0	1519.9	1482.7	1446.7	1417.7	1391.9	1363.3	1336.2	1315.1
10°	1702.6	1656.3	1604.6	1548.8	1501.2	1454.9	1416.1	1382.1	1345.3	1313.3	1286.8
12.5°	1786.4	1717.8	1646.5	1578.7	1522.4	1458.2	1411.2	1367.9	1326.3	1287.8	1258.0
15°	1885.6	1798.5	1714.2	1620.9	1535.2	1454.9	1399.1	1344.7	1296.3	1256.9	1218.8
17.5°	1976.0	1877.3	1766.1	1652.8	1549.3	1454.1	1376.0	1314.4	1254.0	1205.7	1167.7
20°	2027.2	1914.9	1789.0	1671.3	1557.0	1450.8	1365.1	1291.6	1226.2	1175.2	1132.3
22.5°	2071.3	1939.9	1809.7	1683.8	1556.4	1442.1	1344.9	1269.3	1198.5	1148.5	1102.9
25°	2117.0	1959.8	1829.2	1681.5	1539.3	1420.9	1312.0	1226.2	1155.5	1097.0	1050.0
27.5°	2156.2	1958.5	1803.4	1644.6	1512.3	1393.6	1277.4	1185.4	1110.3	1046.7	999.1
30°	2182.3	1961.2	1776.8	1619.6	1486.2	1363.7	1250.7	1158.2	1079.3	1014.6	969.7
32.5°	2198.7	1959.5	1752.3	1584.7	1444.8	1336.5	1221.9	1126.1	1045.0	981.4	938.1
35°	2208.2	1947.6	1710.1	1512.7	1378.0	1272.5	1176.6	1077.2	992.2	933.0	884.0
37.5°	2189.1	1922.4	1661.1	1443.3	1295.8	1191.9	1111.2	1026.6	945.2	880.0	837.8
40°	2159.2	1906.1	1623.0	1394.3	1239.2	1139.1	1070.4	987.4	907.1	845.2	805.7
42.5°	2102.0	1872.8	1581.1	1339.9	1180.4	1080.3	1017.1	947.7	871.7	813.6	774.1
45°	1962.5	1800.6	1518.2	1258.2	1093.5	990.1	934.3	884.0	815.2	758.7	724.7
47.5°	1769.0	1691.8	1427.3	1172.1	1002.9	903.4	845.4	804.9	754.7	709.1	676.4
50°	1634.5	1602.6	1365.7	1113.3	942.5	845.2	789.4	752.6	716.6	671.0	641.0
52.5°	1479.4	1499.1	1293.9	1052.3	881.0	785.3	732.8	703.6	670.8	633.4	607.3
55°	1261.0	1332.4	1169.8	950.0	789.4	698.2	648.5	622.6	603.6	575.7	553.2
57.5°	1056.4	1147.3	1035.6	844.5	699.4	620.7	573.1	544.9	532.7	518.1	500.4
60°	935.0	1024.8	939.8	773.7	639.0	564.1	521.9	498.1	485.9	475.7	460.7
62.5°	826.7	917.6	846.1	701.9	579.6	510.2	473.5	450.2	440.7	435.4	422.6
65°	677.8	756.0	708.4	590.0	494.7	433.5	400.1	383.8	375.0	372.9	364.7
67.5°	551.6	611.2	576.5	489.4	414.4	361.5	333.2	319.3	312.5	311.8	305.7
70°	468.9	524.7	498.1	419.2	354.5	313.0	288.5	276.3	272.2	271.5	268.1
72.5°	404.6	443.5	422.4	356.6	306.6	268.9	251.0	238.2	233.5	234.5	232.2
75°	299.4	328.7	316.4	270.8	230.7	206.2	191.2	183.1	179.0	181.0	178.3
77.5°	215.4	234.0	222.9	191.4	166.6	148.9	137.9	132.8	129.2	129.0	127.8
80°	162.6	173.5	167.4	148.3	127.9	113.0	104.1	100.7	98.7	98.0	97.3
82.5°	115.8	125.1	117.9	104.8	90.9	81.9	76.9	72.4	70.9	71.3	70.6
85°	58.5	61.9	59.2	51.0	45.6	41.5	38.8	36.7	35.4	36.1	34.7
87.5°	22.2	22.4	20.5	18.0	16.7	14.8	14.5	13.2	12.3	12.6	12.3
90°	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	20.0	19.1	18.2	17.3	16.4	15.5	14.7	13.8	14.7	15.5	16.4
95°	40.2	39.2	38.2	37.2	36.3	35.4	34.5	33.7	34.5	35.4	36.3
97.5°	64.6	63.8	63.1	62.4	61.8	61.1	60.4	59.8	60.4	61.1	61.8
100°	82.6	81.9	81.3	80.6	79.9	79.1	78.3	77.6	78.3	79.1	79.9
102.5°	102.3	101.4	100.6	99.9	99.5	99.0	98.6	98.1	98.6	99.0	99.5
105°	132.3	131.2	130.0	129.4	129.1	128.8	128.6	128.3	128.6	128.8	129.1
107.5°	165.3	164.8	164.4	164.1	163.9	163.8	163.6	163.5	163.6	163.8	163.9
110°	187.2	186.9	186.6	186.4	186.1	185.9	185.6	185.4	185.6	185.9	186.1



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	209.0	209.0	208.9	208.8	208.6	208.5	208.3	208.2	208.3	208.5	208.6
115°	243.5	243.7	244.0	243.9	243.6	243.2	242.8	242.4	242.8	243.2	243.6
117.5°	277.2	277.5	277.8	277.9	277.6	277.4	277.1	276.9	277.1	277.4	277.6
120°	300.2	300.8	301.4	301.4	300.6	299.8	299.1	298.3	299.1	299.8	300.6
122.5°	322.4	322.7	323.0	322.9	322.3	321.8	321.2	320.7	321.2	321.8	322.3
125°	355.9	356.1	356.4	356.3	355.9	355.5	355.2	354.8	355.2	355.5	355.9
127.5°	389.2	389.5	389.8	389.5	388.7	387.9	387.1	386.3	387.1	387.9	388.7
130°	410.9	411.3	411.6	411.3	410.3	409.3	408.3	407.3	408.3	409.3	410.3
132.5°	432.1	432.4	432.7	432.3	431.3	430.3	429.3	428.2	429.3	430.3	431.3
135°	463.4	463.5	463.7	463.3	462.6	461.8	461.1	460.3	461.1	461.8	462.6
137.5°	493.6	493.3	493.0	492.5	491.9	491.2	490.6	490.0	490.6	491.2	491.9
140°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
142.5°	532.6	532.4	532.2	531.7	531.1	530.5	529.8	529.2	529.8	530.5	531.1
145°	560.5	560.1	559.7	559.4	559.2	558.9	558.7	558.4	558.7	558.9	559.2
147.5°	586.9	586.6	586.2	585.8	585.3	584.9	584.4	584.0	584.4	584.9	585.3
150°	603.5	603.3	603.0	602.8	602.5	602.3	602.0	601.8	602.0	602.3	602.5
152.5°	618.3	618.2	618.0	617.8	617.4	617.1	616.7	616.4	616.7	617.1	617.4
155°	639.7	639.6	639.5	639.4	639.4	639.4	639.4	639.4	639.4	639.4	639.4
157.5°	658.6	658.5	658.4	658.4	658.6	658.7	658.9	659.0	658.9	658.7	658.6
160°	670.2	670.2	670.2	670.3	670.6	670.8	671.1	671.3	671.1	670.8	670.6
162.5°	681.0	680.9	680.8	680.9	681.2	681.6	681.9	682.3	681.9	681.6	681.2
165°	694.7	694.7	694.7	694.9	695.3	695.7	696.1	696.4	696.1	695.7	695.3
167.5°	705.7	705.6	705.5	705.7	706.2	706.7	707.2	707.7	707.2	706.7	706.2
170°	711.8	711.8	711.8	712.1	712.6	713.1	713.6	714.1	713.6	713.1	712.6
172.5°	716.9	716.9	716.9	717.1	717.6	718.1	718.6	719.1	718.6	718.1	717.6
175°	722.1	722.1	722.1	722.4	722.9	723.4	723.9	724.4	723.9	723.4	722.9
177.5°	724.7	724.7	724.7	724.9	725.3	725.8	726.2	726.6	726.2	725.8	725.3
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1381.1	1377.3	1371.9	1363.7	1357.2	1346.8	1346.8	1348.5	1348.5	1347.9	1346.8
5°	1339.2	1329.0	1316.8	1302.5	1287.5	1272.5	1269.8	1264.4	1260.3	1257.5	1254.1
7.5°	1295.0	1276.9	1259.0	1239.0	1220.8	1205.7	1195.2	1186.5	1180.9	1174.9	1170.6
10°	1265.0	1242.6	1221.5	1200.4	1177.2	1158.9	1147.3	1139.1	1133.0	1127.6	1124.9
12.5°	1229.6	1203.9	1180.7	1160.6	1135.3	1116.4	1105.4	1101.6	1094.4	1082.9	1076.9
15°	1177.9	1154.1	1126.2	1095.6	1083.3	1060.2	1047.3	1041.2	1037.1	1028.2	1025.5
17.5°	1133.7	1102.5	1071.2	1048.4	1025.6	1006.9	999.6	992.0	986.6	979.4	977.2
20°	1098.3	1070.4	1041.8	1017.3	993.5	973.1	967.0	961.5	956.1	952.7	950.0
22.5°	1062.4	1034.5	1010.8	987.9	962.5	949.1	942.5	936.5	932.7	930.4	927.6
25°	1011.9	987.4	960.9	940.4	920.0	911.2	907.1	903.7	901.0	897.6	896.9
27.5°	966.7	940.0	918.5	899.5	884.8	877.4	873.5	871.8	872.4	873.6	874.4
30°	933.0	908.5	890.8	874.4	860.8	854.0	853.3	853.3	856.1	856.7	858.1
32.5°	901.9	881.8	864.1	848.3	838.0	833.3	835.9	835.9	838.1	839.9	842.3
35°	856.7	839.0	825.4	811.8	803.0	805.0	806.4	807.7	811.1	815.2	818.0
37.5°	813.6	798.2	784.1	773.4	769.4	773.0	776.3	779.2	783.1	786.2	789.0
40°	782.6	771.0	757.4	747.9	749.2	751.3	754.0	757.4	760.8	762.8	765.6
42.5°	753.7	741.6	731.3	723.4	725.3	727.9	729.5	731.3	735.2	738.9	740.5
45°	709.8	700.2	690.7	685.9	687.3	688.7	690.0	692.1	695.5	698.2	698.9
47.5°	660.3	653.7	647.3	642.7	644.8	644.3	646.1	650.4	651.5	653.1	656.9
50°	628.8	622.6	615.2	613.8	613.8	613.8	614.5	619.9	619.9	622.6	625.4
52.5°	593.9	590.0	585.2	582.8	581.7	581.7	584.5	587.3	588.4	592.2	594.9
55°	542.4	538.3	534.2	532.1	530.8	532.1	537.6	538.9	542.4	544.4	546.4
57.5°	488.6	485.5	482.2	481.1	480.8	482.6	485.6	489.7	490.5	496.8	499.9
60°	453.2	448.4	445.7	445.7	444.4	450.5	449.1	455.9	457.3	461.4	466.1
62.5°	416.7	410.3	409.2	409.2	411.2	412.9	414.8	417.8	421.4	426.5	430.2
65°	357.9	354.5	359.3	358.6	357.3	361.3	361.3	364.7	368.8	373.6	381.1
67.5°	302.3	300.5	300.9	300.9	303.0	305.3	307.2	310.2	315.1	320.1	325.0
70°	264.7	266.8	263.4	266.1	268.1	268.8	270.2	274.2	279.7	283.1	288.5
72.5°	228.2	228.1	228.5	229.6	231.6	232.9	234.2	238.9	244.8	247.7	252.1
75°	175.6	174.9	176.9	176.9	180.3	181.7	183.1	185.1	190.5	194.6	198.0
77.5°	128.2	129.0	128.6	130.9	130.0	130.2	134.5	136.5	137.1	145.1	146.9
80°	96.6	98.0	98.7	99.4	100.0	98.7	103.4	105.5	105.5	110.2	113.6
82.5°	69.4	70.2	72.0	72.7	72.8	74.2	74.6	76.1	77.7	79.8	84.2
85°	34.7	36.7	37.4	36.7	37.4	36.1	38.1	38.8	39.5	39.5	39.5
87.5°	12.0	12.9	12.6	13.5	13.3	14.2	14.3	13.3	13.4	15.1	13.0
90°	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7	15.2	15.7	16.1
92.5°	17.3	18.2	19.1	20.0	21.0	21.9	22.3	22.7	23.1	23.5	23.7
95°	37.2	38.2	39.2	40.2	41.2	42.2	42.7	43.2	43.7	44.2	44.5
97.5°	62.4	63.1	63.8	64.6	65.3	66.1	66.6	67.2	67.8	68.4	68.6
100°	80.6	81.3	81.9	82.6	83.2	83.8	84.2	84.6	85.0	85.4	85.7
102.5°	99.9	100.6	101.4	102.3	103.1	103.9	104.3	104.7	105.1	105.4	105.6
105°	129.4	130.0	131.2	132.3	133.5	134.6	134.6	134.6	134.6	134.6	134.7
107.5°	164.1	164.4	164.8	165.3	165.8	166.2	166.6	167.0	167.4	167.8	168.0
110°	186.4	186.6	186.9	187.2	187.4	187.7	188.2	188.7	189.2	189.7	189.8



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	208.8	208.9	209.0	209.0	209.1	209.1	209.7	210.3	210.9	211.5	211.8
115°	243.9	244.0	243.7	243.5	243.2	243.0	243.1	243.2	243.4	243.5	243.5
117.5°	277.9	277.8	277.5	277.2	276.9	276.5	276.5	276.5	276.4	276.4	276.2
120°	301.4	301.4	300.8	300.2	299.5	298.9	298.8	298.6	298.5	298.4	298.2
122.5°	322.9	323.0	322.7	322.4	322.0	321.7	321.4	321.0	320.7	320.4	320.0
125°	356.3	356.4	356.1	355.9	355.6	355.4	354.8	354.3	353.8	353.3	352.8
127.5°	389.5	389.8	389.5	389.2	388.9	388.7	388.0	387.2	386.5	385.8	385.2
130°	411.3	411.6	411.3	410.9	410.5	410.1	409.6	409.1	408.6	408.1	407.4
132.5°	432.3	432.7	432.4	432.1	431.8	431.6	430.9	430.3	429.7	429.1	428.5
135°	463.3	463.7	463.5	463.4	463.3	463.2	462.7	462.1	461.6	461.1	460.7
137.5°	492.5	493.0	493.3	493.6	494.0	494.3	493.8	493.2	492.7	492.2	491.7
140°	513.0	513.4	513.5	513.7	513.8	513.9	513.8	513.7	513.5	513.4	512.9
142.5°	531.7	532.2	532.4	532.6	532.9	533.1	533.0	532.8	532.7	532.6	532.2
145°	559.4	559.7	560.1	560.5	560.9	561.3	561.1	561.0	560.9	560.8	560.4
147.5°	585.8	586.2	586.6	586.9	587.3	587.6	587.6	587.6	587.6	587.6	587.2
150°	602.8	603.0	603.3	603.5	603.8	604.0	604.0	604.0	604.0	604.0	603.7
152.5°	617.8	618.0	618.2	618.3	618.5	618.6	618.8	619.1	619.3	619.5	619.2
155°	639.4	639.5	639.6	639.7	639.9	640.0	640.5	641.0	641.5	642.0	641.8
157.5°	658.4	658.4	658.5	658.6	658.7	658.8	659.3	659.9	660.4	660.9	660.8
160°	670.3	670.2	670.2	670.2	670.2	670.2	670.8	671.5	672.1	672.7	672.8
162.5°	680.9	680.8	680.9	681.0	681.1	681.2	681.8	682.4	683.1	683.7	683.6
165°	694.9	694.7	694.7	694.7	694.7	694.7	695.5	696.3	697.0	697.8	697.7
167.5°	705.7	705.5	705.6	705.7	705.8	705.9	706.7	707.5	708.3	709.1	709.1
170°	712.1	711.8	711.8	711.8	711.8	711.8	712.7	713.6	714.5	715.4	715.4
172.5°	717.1	716.9	716.9	716.9	716.9	716.9	717.7	718.4	719.2	720.0	720.0
175°	722.4	722.1	722.1	722.1	722.1	722.1	722.9	723.6	724.4	725.2	725.1
177.5°	724.9	724.7	724.7	724.7	724.7	724.7	725.3	726.0	726.6	727.2	727.1
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1343.0	1342.5	1346.3	1343.6	1346.3	1342.5	1343.0	1346.8	1347.9	1348.5	1348.5
5°	1250.1	1252.1	1245.3	1245.3	1245.3	1252.1	1250.1	1254.1	1257.5	1260.3	1264.4
7.5°	1167.3	1164.3	1164.6	1160.9	1164.6	1164.3	1167.3	1170.6	1174.9	1180.9	1186.5
10°	1116.7	1112.6	1111.2	1111.9	1111.2	1112.6	1116.7	1124.9	1127.6	1133.0	1139.1
12.5°	1074.8	1074.0	1065.0	1065.1	1065.0	1074.0	1074.8	1076.9	1082.9	1094.4	1101.6
15°	1025.5	1012.6	1011.2	1015.3	1011.2	1012.6	1025.5	1025.5	1028.2	1037.1	1041.2
17.5°	976.1	969.3	969.7	967.7	969.7	969.3	976.1	977.2	979.4	986.6	992.0
20°	950.0	945.9	945.2	940.4	945.2	945.9	950.0	950.0	952.7	956.1	961.5
22.5°	926.0	924.7	925.1	919.8	925.1	924.7	926.0	927.6	930.4	932.7	936.5
25°	896.2	899.6	896.9	896.9	896.9	899.6	896.2	896.9	897.6	901.0	903.7
27.5°	876.1	875.9	874.6	874.6	874.6	875.9	876.1	874.4	873.6	872.4	871.8
30°	860.8	860.1	861.5	861.5	861.5	860.1	860.8	858.1	856.7	856.1	853.3
32.5°	845.6	846.5	846.8	847.3	846.8	846.5	845.6	842.3	839.9	838.1	835.9
35°	822.0	822.7	824.8	823.4	824.8	822.7	822.0	818.0	815.2	811.1	807.7
37.5°	790.2	793.3	792.6	793.7	792.6	793.3	790.2	789.0	786.2	783.1	779.2
40°	766.2	768.3	767.6	767.6	767.6	768.3	766.2	765.6	762.8	760.8	757.4
42.5°	741.7	743.2	741.5	740.4	741.5	743.2	741.7	740.5	738.9	735.2	731.3
45°	701.6	700.2	702.3	699.5	702.3	700.2	701.6	698.9	698.2	695.5	692.1
47.5°	656.7	658.0	658.6	660.6	658.6	658.0	656.7	656.9	653.1	651.5	650.4
50°	626.7	630.8	630.8	630.1	630.8	630.8	626.7	625.4	622.6	619.9	619.9
52.5°	597.3	599.2	602.0	601.8	602.0	599.2	597.3	594.9	592.2	588.4	587.3
55°	551.9	553.2	554.6	555.3	554.6	553.2	551.9	546.4	544.4	542.4	538.9
57.5°	504.8	504.2	507.5	508.5	507.5	504.2	504.8	499.9	496.8	490.5	489.7
60°	471.6	471.6	477.0	479.1	477.0	471.6	471.6	466.1	461.4	457.3	455.9
62.5°	436.2	438.4	443.8	441.0	443.8	438.4	436.2	430.2	426.5	421.4	417.8
65°	384.5	389.9	389.2	392.0	389.2	389.9	384.5	381.1	373.6	368.8	364.7
67.5°	330.4	333.8	338.7	339.2	338.7	333.8	330.4	325.0	320.1	315.1	310.2
70°	294.0	297.4	300.1	302.1	300.1	297.4	294.0	288.5	283.1	279.7	274.2
72.5°	258.6	260.4	266.9	264.0	266.9	260.4	258.6	252.1	247.7	244.8	238.9
75°	202.8	207.5	211.6	209.6	211.6	207.5	202.8	198.0	194.6	190.5	185.1
77.5°	150.0	154.7	156.6	154.9	156.6	154.7	150.0	146.9	145.1	137.1	136.5
80°	118.4	117.7	121.8	121.1	121.8	117.7	118.4	113.6	110.2	105.5	105.5
82.5°	86.8	86.2	88.1	88.5	88.1	86.2	86.8	84.2	79.8	77.7	76.1
85°	42.2	44.2	41.5	40.8	41.5	44.2	42.2	39.5	39.5	39.5	38.8
87.5°	13.1	13.1	12.6	12.1	12.6	13.1	13.1	13.0	15.1	13.4	13.3
90°	16.4	16.6	16.9	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7
92.5°	23.5	23.3	23.2	23.0	23.2	23.3	23.5	23.7	23.5	23.1	22.7
95°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.2	43.7	43.2
97.5°	68.6	68.5	68.5	68.4	68.5	68.5	68.6	68.6	68.4	67.8	67.2
100°	85.9	86.2	86.4	86.7	86.4	86.2	85.9	85.7	85.4	85.0	84.6
102.5°	105.6	105.5	105.5	105.4	105.5	105.5	105.6	105.6	105.4	105.1	104.7
105°	135.0	135.2	135.5	135.8	135.5	135.2	135.0	134.7	134.6	134.6	134.6
107.5°	167.8	167.7	167.5	167.4	167.5	167.7	167.8	168.0	167.8	167.4	167.0
110°	189.6	189.3	189.1	188.8	189.1	189.3	189.6	189.8	189.7	189.2	188.7



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	211.8	211.7	211.7	211.6	211.7	211.7	211.8	211.8	211.5	210.9	210.3
115°	243.4	243.2	243.1	243.0	243.1	243.2	243.4	243.5	243.5	243.4	243.2
117.5°	275.9	275.5	275.2	274.8	275.2	275.5	275.9	276.2	276.4	276.4	276.5
120°	297.9	297.7	297.4	297.2	297.4	297.7	297.9	298.2	298.4	298.5	298.6
122.5°	319.7	319.3	319.0	318.6	319.0	319.3	319.7	320.0	320.4	320.7	321.0
125°	352.3	351.8	351.3	350.8	351.3	351.8	352.3	352.8	353.3	353.8	354.3
127.5°	384.6	384.0	383.4	382.8	383.4	384.0	384.6	385.2	385.8	386.5	387.2
130°	406.5	405.6	404.7	403.8	404.7	405.6	406.5	407.4	408.1	408.6	409.1
132.5°	427.8	427.1	426.4	425.7	426.4	427.1	427.8	428.5	429.1	429.7	430.3
135°	460.5	460.2	460.0	459.7	460.0	460.2	460.5	460.7	461.1	461.6	462.1
137.5°	491.2	490.7	490.2	489.7	490.2	490.7	491.2	491.7	492.2	492.7	493.2
140°	512.0	511.1	510.2	509.4	510.2	511.1	512.0	512.9	513.4	513.5	513.7
142.5°	531.5	530.8	530.1	529.4	530.1	530.8	531.5	532.2	532.6	532.7	532.8
145°	559.9	559.4	558.9	558.4	558.9	559.4	559.9	560.4	560.8	560.9	561.0
147.5°	586.5	585.7	585.0	584.2	585.0	585.7	586.5	587.2	587.6	587.6	587.6
150°	602.9	602.1	601.4	600.6	601.4	602.1	602.9	603.7	604.0	604.0	604.0
152.5°	618.6	617.9	617.3	616.6	617.3	617.9	618.6	619.2	619.5	619.3	619.1
155°	640.9	640.0	639.2	638.3	639.2	640.0	640.9	641.8	642.0	641.5	641.0
157.5°	660.1	659.4	658.7	658.0	658.7	659.4	660.1	660.8	660.9	660.4	659.9
160°	672.3	671.8	671.3	670.8	671.3	671.8	672.3	672.8	672.7	672.1	671.5
162.5°	682.8	682.0	681.2	680.4	681.2	682.0	682.8	683.6	683.7	683.1	682.4
165°	696.8	695.9	695.1	694.2	695.1	695.9	696.8	697.7	697.8	697.0	696.3
167.5°	708.3	707.5	706.7	705.9	706.7	707.5	708.3	709.1	709.1	708.3	707.5
170°	714.5	713.6	712.7	711.8	712.7	713.6	714.5	715.4	715.4	714.5	713.6
172.5°	719.1	718.2	717.3	716.4	717.3	718.2	719.1	720.0	720.0	719.2	718.4
175°	724.2	723.3	722.4	721.5	722.4	723.3	724.2	725.1	725.2	724.4	723.6
177.5°	726.4	725.7	725.0	724.3	725.0	725.7	726.4	727.1	727.2	726.6	726.0
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1346.8	1346.8	1357.2	1363.7	1371.9	1377.3	1381.1	1384.9	1391.5	1400.2	1410.0
5°	1269.8	1272.5	1287.5	1302.5	1316.8	1329.0	1339.2	1351.5	1366.4	1384.8	1405.2
7.5°	1195.2	1205.7	1220.8	1239.0	1259.0	1276.9	1295.0	1315.1	1336.2	1363.3	1391.9
10°	1147.3	1158.9	1177.2	1200.4	1221.5	1242.6	1265.0	1286.8	1313.3	1345.3	1382.1
12.5°	1105.4	1116.4	1135.3	1160.6	1180.7	1203.9	1229.6	1258.0	1287.8	1326.3	1367.9
15°	1047.3	1060.2	1083.3	1095.6	1126.2	1154.1	1177.9	1218.8	1256.9	1296.3	1344.7
17.5°	999.6	1006.9	1025.6	1048.4	1071.2	1102.5	1133.7	1167.7	1205.7	1254.0	1314.4
20°	967.0	973.1	993.5	1017.3	1041.8	1070.4	1098.3	1132.3	1175.2	1226.2	1291.6
22.5°	942.5	949.1	962.5	987.9	1010.8	1034.5	1062.4	1102.9	1148.5	1198.5	1269.3
25°	907.1	911.2	920.0	940.4	960.9	987.4	1011.9	1050.0	1097.0	1155.5	1226.2
27.5°	873.5	877.4	884.8	899.5	918.5	940.0	966.7	999.1	1046.7	1110.3	1185.4
30°	853.3	854.0	860.8	874.4	890.8	908.5	933.0	969.7	1014.6	1079.3	1158.2
32.5°	835.9	833.3	838.0	848.3	864.1	881.8	901.9	938.1	981.4	1045.0	1126.1
35°	806.4	805.0	803.0	811.8	825.4	839.0	856.7	884.0	933.0	992.2	1077.2
37.5°	776.3	773.0	769.4	773.4	784.1	798.2	813.6	837.8	880.0	945.2	1026.6
40°	754.0	751.3	749.2	747.9	757.4	771.0	782.6	805.7	845.2	907.1	987.4
42.5°	729.5	727.9	725.3	723.4	731.3	741.6	753.7	774.1	813.6	871.7	947.7
45°	690.0	688.7	687.3	685.9	690.7	700.2	709.8	724.7	758.7	815.2	884.0
47.5°	646.1	644.3	644.8	642.7	647.3	653.7	660.3	676.4	709.1	754.7	804.9
50°	614.5	613.8	613.8	613.8	615.2	622.6	628.8	641.0	671.0	716.6	752.6
52.5°	584.5	581.7	581.7	582.8	585.2	590.0	593.9	607.3	633.4	670.8	703.6
55°	537.6	532.1	530.8	532.1	534.2	538.3	542.4	553.2	575.7	603.6	622.6
57.5°	485.6	482.6	480.8	481.1	482.2	485.5	488.6	500.4	518.1	532.7	544.9
60°	449.1	450.5	444.4	445.7	445.7	448.4	453.2	460.7	475.7	485.9	498.1
62.5°	414.8	412.9	411.2	409.2	409.2	410.3	416.7	422.6	435.4	440.7	450.2
65°	361.3	361.3	357.3	358.6	359.3	354.5	357.9	364.7	372.9	375.0	383.8
67.5°	307.2	305.3	303.0	300.9	300.9	300.5	302.3	305.7	311.8	312.5	319.3
70°	270.2	268.8	268.1	266.1	263.4	266.8	264.7	268.1	271.5	272.2	276.3
72.5°	234.2	232.9	231.6	229.6	228.5	228.1	228.2	232.2	234.5	233.5	238.2
75°	183.1	181.7	180.3	176.9	176.9	174.9	175.6	178.3	181.0	179.0	183.1
77.5°	134.5	130.2	130.0	130.9	128.6	129.0	128.2	127.8	129.0	129.2	132.8
80°	103.4	98.7	100.0	99.4	98.7	98.0	96.6	97.3	98.0	98.7	100.7
82.5°	74.6	74.2	72.8	72.7	72.0	70.2	69.4	70.6	71.3	70.9	72.4
85°	38.1	36.1	37.4	36.7	37.4	36.7	34.7	34.7	36.1	35.4	36.7
87.5°	14.3	14.2	13.3	13.5	12.6	12.9	12.0	12.3	12.6	12.3	13.2
90°	14.2	13.7	12.0	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6
92.5°	22.3	21.9	21.0	20.0	19.1	18.2	17.3	16.4	15.5	14.7	13.8
95°	42.7	42.2	41.2	40.2	39.2	38.2	37.2	36.3	35.4	34.5	33.7
97.5°	66.6	66.1	65.3	64.6	63.8	63.1	62.4	61.8	61.1	60.4	59.8
100°	84.2	83.8	83.2	82.6	81.9	81.3	80.6	79.9	79.1	78.3	77.6
102.5°	104.3	103.9	103.1	102.3	101.4	100.6	99.9	99.5	99.0	98.6	98.1
105°	134.6	134.6	133.5	132.3	131.2	130.0	129.4	129.1	128.8	128.6	128.3
107.5°	166.6	166.2	165.8	165.3	164.8	164.4	164.1	163.9	163.8	163.6	163.5
110°	188.2	187.7	187.4	187.2	186.9	186.6	186.4	186.1	185.9	185.6	185.4



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	209.7	209.1	209.1	209.0	209.0	208.9	208.8	208.6	208.5	208.3	208.2
115°	243.1	243.0	243.2	243.5	243.7	244.0	243.9	243.6	243.2	242.8	242.4
117.5°	276.5	276.5	276.9	277.2	277.5	277.8	277.9	277.6	277.4	277.1	276.9
120°	298.8	298.9	299.5	300.2	300.8	301.4	301.4	300.6	299.8	299.1	298.3
122.5°	321.4	321.7	322.0	322.4	322.7	323.0	322.9	322.3	321.8	321.2	320.7
125°	354.8	355.4	355.6	355.9	356.1	356.4	356.3	355.9	355.5	355.2	354.8
127.5°	388.0	388.7	388.9	389.2	389.5	389.8	389.5	388.7	387.9	387.1	386.3
130°	409.6	410.1	410.5	410.9	411.3	411.6	411.3	410.3	409.3	408.3	407.3
132.5°	430.9	431.6	431.8	432.1	432.4	432.7	432.3	431.3	430.3	429.3	428.2
135°	462.7	463.2	463.3	463.4	463.5	463.7	463.3	462.6	461.8	461.1	460.3
137.5°	493.8	494.3	494.0	493.6	493.3	493.0	492.5	491.9	491.2	490.6	490.0
140°	513.8	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
142.5°	533.0	533.1	532.9	532.6	532.4	532.2	531.7	531.1	530.5	529.8	529.2
145°	561.1	561.3	560.9	560.5	560.1	559.7	559.4	559.2	558.9	558.7	558.4
147.5°	587.6	587.6	587.3	586.9	586.6	586.2	585.8	585.3	584.9	584.4	584.0
150°	604.0	604.0	603.8	603.5	603.3	603.0	602.8	602.5	602.3	602.0	601.8
152.5°	618.8	618.6	618.5	618.3	618.2	618.0	617.8	617.4	617.1	616.7	616.4
155°	640.5	640.0	639.9	639.7	639.6	639.5	639.4	639.4	639.4	639.4	639.4
157.5°	659.3	658.8	658.7	658.6	658.5	658.4	658.4	658.6	658.7	658.9	659.0
160°	670.8	670.2	670.2	670.2	670.2	670.2	670.3	670.6	670.8	671.1	671.3
162.5°	681.8	681.2	681.1	681.0	680.9	680.8	680.9	681.2	681.6	681.9	682.3
165°	695.5	694.7	694.7	694.7	694.7	694.7	694.9	695.3	695.7	696.1	696.4
167.5°	706.7	705.9	705.8	705.7	705.6	705.5	705.7	706.2	706.7	707.2	707.7
170°	712.7	711.8	711.8	711.8	711.8	711.8	712.1	712.6	713.1	713.6	714.1
172.5°	717.7	716.9	716.9	716.9	716.9	716.9	717.1	717.6	718.1	718.6	719.1
175°	722.9	722.1	722.1	722.1	722.1	722.1	722.4	722.9	723.4	723.9	724.4
177.5°	725.3	724.7	724.7	724.7	724.7	724.7	724.9	725.3	725.8	726.2	726.6
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



TEST NUMBER: P332010

CATALOG NUMBER: S123DIP-S1000D585U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1413.2	1416.0	1425.2	1431.8	1439.4	1443.7	1448.1	1451.4	1455.7	1456.8	1472.6
5°	1419.5	1433.1	1456.9	1474.6	1496.4	1520.2	1536.5	1544.0	1563.8	1580.1	1612.8
7.5°	1417.7	1446.7	1482.7	1519.9	1560.0	1597.0	1629.1	1667.2	1694.3	1735.0	1775.1
10°	1416.1	1454.9	1501.2	1548.8	1604.6	1656.3	1702.6	1754.3	1797.2	1853.7	1902.0
12.5°	1411.2	1458.2	1522.4	1578.7	1646.5	1717.8	1786.4	1852.8	1890.8	1984.9	2029.4
15°	1399.1	1454.9	1535.2	1620.9	1714.2	1798.5	1885.6	1955.1	2067.3	2149.7	2202.1
17.5°	1376.0	1454.1	1549.3	1652.8	1766.1	1877.3	1976.0	2081.4	2200.4	2300.1	2406.2
20°	1365.1	1450.8	1557.0	1671.3	1789.0	1914.9	2027.2	2153.8	2283.7	2381.7	2517.8
22.5°	1344.9	1442.1	1556.4	1683.8	1809.7	1939.9	2071.3	2198.9	2349.1	2484.1	2613.6
25°	1312.0	1420.9	1539.3	1681.5	1829.2	1959.8	2117.0	2286.5	2443.0	2616.5	2745.8
27.5°	1277.4	1393.6	1512.3	1644.6	1803.4	1958.5	2156.2	2347.7	2539.0	2688.9	2784.6
30°	1250.7	1363.7	1486.2	1619.6	1776.8	1961.2	2182.3	2391.2	2577.7	2706.3	2760.1
32.5°	1221.9	1336.5	1444.8	1584.7	1752.3	1959.5	2198.7	2416.8	2579.9	2665.5	2655.0
35°	1176.6	1272.5	1378.0	1512.7	1710.1	1947.6	2208.2	2419.1	2519.2	2500.8	2362.0
37.5°	1111.2	1191.9	1295.8	1443.3	1661.1	1922.4	2189.1	2347.4	2340.9	2191.3	1990.2
40°	1070.4	1139.1	1239.2	1394.3	1623.0	1906.1	2159.2	2262.0	2174.9	1965.9	1725.0
42.5°	1017.1	1080.3	1180.4	1339.9	1581.1	1872.8	2102.0	2131.8	1961.4	1721.0	1500.2
45°	934.3	990.1	1093.5	1258.2	1518.2	1800.6	1962.5	1889.7	1660.4	1412.0	1243.9
47.5°	845.4	903.4	1002.9	1172.1	1427.3	1691.8	1769.0	1614.1	1378.7	1177.2	1022.9
50°	789.4	845.2	942.5	1113.3	1365.7	1602.6	1634.5	1434.5	1218.1	1041.2	914.6
52.5°	732.8	785.3	881.0	1052.3	1293.9	1499.1	1479.4	1275.5	1076.5	925.7	826.4
55°	648.5	698.2	789.4	950.0	1169.8	1332.4	1261.0	1066.3	901.7	784.6	709.1
57.5°	573.1	620.7	699.4	844.5	1035.6	1147.3	1056.4	892.4	761.5	671.4	615.0
60°	521.9	564.1	639.0	773.7	939.8	1024.8	935.0	790.1	679.8	607.7	557.3
62.5°	473.5	510.2	579.6	701.9	846.1	917.6	826.7	704.0	610.1	546.2	503.4
65°	400.1	433.5	494.7	590.0	708.4	756.0	677.8	578.4	505.6	458.0	429.4
67.5°	333.2	361.5	414.4	489.4	576.5	611.2	551.6	474.7	419.9	381.6	358.9
70°	288.5	313.0	354.5	419.2	498.1	524.7	468.9	405.6	365.4	334.8	313.7
72.5°	251.0	268.9	306.6	356.6	422.4	443.5	404.6	349.0	311.5	288.5	271.8
75°	191.2	206.2	230.7	270.8	316.4	328.7	299.4	264.7	239.5	223.2	210.3
77.5°	137.9	148.9	166.6	191.4	222.9	234.0	215.4	192.3	173.9	162.9	155.7
80°	104.1	113.0	127.9	148.3	167.4	173.5	162.6	144.9	132.0	125.9	119.8
82.5°	76.9	81.9	90.9	104.8	117.9	125.1	115.8	105.2	98.3	92.7	90.4
85°	38.8	41.5	45.6	51.0	59.2	61.9	58.5	55.8	51.7	48.3	48.3
87.5°	14.5	14.8	16.7	18.0	20.5	22.4	22.2	21.5	21.2	20.8	20.4
90°	1.8	3.1	4.4	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7
92.5°	14.7	15.5	16.4	17.3	18.2	19.1	20.0	21.0	21.9	22.3	22.7
95°	34.5	35.4	36.3	37.2	38.2	39.2	40.2	41.2	42.2	42.7	43.2
97.5°	60.4	61.1	61.8	62.4	63.1	63.8	64.6	65.3	66.1	66.6	67.2
100°	78.3	79.1	79.9	80.6	81.3	81.9	82.6	83.2	83.8	84.2	84.6
102.5°	98.6	99.0	99.5	99.9	100.6	101.4	102.3	103.1	103.9	104.3	104.7
105°	128.6	128.8	129.1	129.4	130.0	131.2	132.3	133.5	134.6	134.6	134.6
107.5°	163.6	163.8	163.9	164.1	164.4	164.8	165.3	165.8	166.2	166.6	167.0
110°	185.6	185.9	186.1	186.4	186.6	186.9	187.2	187.4	187.7	188.2	188.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.3	208.5	208.6	208.8	208.9	209.0	209.0	209.1	209.1	209.7	210.3
115°	242.8	243.2	243.6	243.9	244.0	243.7	243.5	243.2	243.0	243.1	243.2
117.5°	277.1	277.4	277.6	277.9	277.8	277.5	277.2	276.9	276.5	276.5	276.5
120°	299.1	299.8	300.6	301.4	301.4	300.8	300.2	299.5	298.9	298.8	298.6
122.5°	321.2	321.8	322.3	322.9	323.0	322.7	322.4	322.0	321.7	321.4	321.0
125°	355.2	355.5	355.9	356.3	356.4	356.1	355.9	355.6	355.4	354.8	354.3
127.5°	387.1	387.9	388.7	389.5	389.8	389.5	389.2	388.9	388.7	388.0	387.2
130°	408.3	409.3	410.3	411.3	411.6	411.3	410.9	410.5	410.1	409.6	409.1
132.5°	429.3	430.3	431.3	432.3	432.7	432.4	432.1	431.8	431.6	430.9	430.3
135°	461.1	461.8	462.6	463.3	463.7	463.5	463.4	463.3	463.2	462.7	462.1
137.5°	490.6	491.2	491.9	492.5	493.0	493.3	493.6	494.0	494.3	493.8	493.2
140°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.8	513.7
142.5°	529.8	530.5	531.1	531.7	532.2	532.4	532.6	532.9	533.1	533.0	532.8
145°	558.7	558.9	559.2	559.4	559.7	560.1	560.5	560.9	561.3	561.1	561.0
147.5°	584.4	584.9	585.3	585.8	586.2	586.6	586.9	587.3	587.6	587.6	587.6
150°	602.0	602.3	602.5	602.8	603.0	603.3	603.5	603.8	604.0	604.0	604.0
152.5°	616.7	617.1	617.4	617.8	618.0	618.2	618.3	618.5	618.6	618.8	619.1
155°	639.4	639.4	639.4	639.4	639.5	639.6	639.7	639.9	640.0	640.5	641.0
157.5°	658.9	658.7	658.6	658.4	658.4	658.5	658.6	658.7	658.8	659.3	659.9
160°	671.1	670.8	670.6	670.3	670.2	670.2	670.2	670.2	670.2	670.8	671.5
162.5°	681.9	681.6	681.2	680.9	680.8	680.9	681.0	681.1	681.2	681.8	682.4
165°	696.1	695.7	695.3	694.9	694.7	694.7	694.7	694.7	694.7	695.5	696.3
167.5°	707.2	706.7	706.2	705.7	705.5	705.6	705.7	705.8	705.9	706.7	707.5
170°	713.6	713.1	712.6	712.1	711.8	711.8	711.8	711.8	711.8	712.7	713.6
172.5°	718.6	718.1	717.6	717.1	716.9	716.9	716.9	716.9	716.9	717.7	718.4
175°	723.9	723.4	722.9	722.4	722.1	722.1	722.1	722.1	722.1	722.9	723.6
177.5°	726.2	725.8	725.3	724.9	724.7	724.7	724.7	724.7	724.7	725.3	726.0
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1	726.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1478.0	1478.6	1484.6	1488.9	1486.7	1489.5	1490.5
5°	1614.8	1639.3	1652.2	1661.8	1662.4	1663.1	1668.6
7.5°	1808.7	1835.0	1854.2	1883.3	1892.0	1902.0	1899.1
10°	1950.3	1989.1	2022.4	2040.1	2059.2	2087.1	2064.6
12.5°	2082.6	2151.3	2202.1	2229.6	2247.5	2253.1	2242.1
15°	2300.7	2390.6	2438.9	2437.5	2498.8	2525.3	2483.8
17.5°	2500.8	2583.7	2650.1	2684.1	2735.2	2746.5	2741.3
20°	2623.3	2713.8	2765.5	2824.0	2850.6	2874.4	2878.5
22.5°	2728.9	2810.2	2865.7	2914.4	2936.6	2947.9	2954.7
25°	2837.6	2901.6	2935.0	2952.0	2958.1	2956.7	2947.9
27.5°	2830.2	2835.1	2798.3	2762.3	2730.0	2693.7	2681.1
30°	2756.7	2699.5	2597.4	2539.6	2454.5	2387.2	2414.4
32.5°	2563.4	2449.6	2335.0	2208.6	2103.9	2074.1	2044.2
35°	2187.8	1987.7	1870.7	1734.6	1680.1	1625.7	1588.3
37.5°	1770.0	1615.2	1476.4	1387.4	1332.8	1298.4	1279.9
40°	1530.4	1390.9	1276.6	1204.5	1163.0	1124.2	1118.7
42.5°	1339.3	1209.6	1123.6	1066.2	1026.3	1009.8	997.9
45°	1097.0	1006.4	948.6	907.8	881.2	871.0	857.4
47.5°	928.5	864.5	821.1	793.3	773.3	765.7	764.6
50°	834.3	781.2	749.2	727.4	711.8	709.1	698.2
52.5°	763.5	717.5	692.6	673.6	662.3	654.6	651.4
55°	662.8	632.2	609.7	598.8	590.0	582.5	582.5
57.5°	579.9	554.3	539.5	530.2	527.5	522.2	518.8
60°	528.7	507.0	495.4	487.2	481.8	482.5	476.3
62.5°	478.7	464.5	453.5	445.3	438.8	438.9	439.3
65°	407.6	396.7	388.6	385.8	381.8	377.0	378.4
67.5°	345.4	335.2	328.8	324.2	322.8	320.2	324.2
70°	300.8	293.3	288.5	284.4	283.1	283.8	287.2
72.5°	259.9	254.6	251.5	249.6	246.6	246.7	249.1
75°	204.1	200.1	197.3	195.3	194.6	194.6	194.6
77.5°	150.0	149.0	147.8	144.8	144.9	145.8	145.9
80°	118.4	116.4	115.7	114.3	112.3	110.9	114.3
82.5°	88.5	86.4	85.7	85.5	82.3	82.1	84.9
85°	47.6	45.6	46.3	45.6	45.6	44.9	44.9
87.5°	19.9	19.5	19.0	19.6	19.1	18.6	19.8
90°	15.2	15.7	16.1	16.4	16.6	16.9	17.1
92.5°	23.1	23.5	23.7	23.5	23.3	23.2	23.0
95°	43.7	44.2	44.5	44.5	44.5	44.5	44.5
97.5°	67.8	68.4	68.6	68.6	68.5	68.5	68.4
100°	85.0	85.4	85.7	85.9	86.2	86.4	86.7
102.5°	105.1	105.4	105.6	105.6	105.5	105.5	105.4
105°	134.6	134.6	134.7	135.0	135.2	135.5	135.8
107.5°	167.4	167.8	168.0	167.8	167.7	167.5	167.4
110°	189.2	189.7	189.8	189.6	189.3	189.1	188.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	210.9	211.5	211.8	211.8	211.7	211.7	211.6
115°	243.4	243.5	243.5	243.4	243.2	243.1	243.0
117.5°	276.4	276.4	276.2	275.9	275.5	275.2	274.8
120°	298.5	298.4	298.2	297.9	297.7	297.4	297.2
122.5°	320.7	320.4	320.0	319.7	319.3	319.0	318.6
125°	353.8	353.3	352.8	352.3	351.8	351.3	350.8
127.5°	386.5	385.8	385.2	384.6	384.0	383.4	382.8
130°	408.6	408.1	407.4	406.5	405.6	404.7	403.8
132.5°	429.7	429.1	428.5	427.8	427.1	426.4	425.7
135°	461.6	461.1	460.7	460.5	460.2	460.0	459.7
137.5°	492.7	492.2	491.7	491.2	490.7	490.2	489.7
140°	513.5	513.4	512.9	512.0	511.1	510.2	509.4
142.5°	532.7	532.6	532.2	531.5	530.8	530.1	529.4
145°	560.9	560.8	560.4	559.9	559.4	558.9	558.4
147.5°	587.6	587.6	587.2	586.5	585.7	585.0	584.2
150°	604.0	604.0	603.7	602.9	602.1	601.4	600.6
152.5°	619.3	619.5	619.2	618.6	617.9	617.3	616.6
155°	641.5	642.0	641.8	640.9	640.0	639.2	638.3
157.5°	660.4	660.9	660.8	660.1	659.4	658.7	658.0
160°	672.1	672.7	672.8	672.3	671.8	671.3	670.8
162.5°	683.1	683.7	683.6	682.8	682.0	681.2	680.4
165°	697.0	697.8	697.7	696.8	695.9	695.1	694.2
167.5°	708.3	709.1	709.1	708.3	707.5	706.7	705.9
170°	714.5	715.4	715.4	714.5	713.6	712.7	711.8
172.5°	719.2	720.0	720.0	719.1	718.2	717.3	716.4
175°	724.4	725.2	725.1	724.2	723.3	722.4	721.5
177.5°	726.6	727.2	727.1	726.4	725.7	725.0	724.3
180°	726.1	726.1	726.1	726.1	726.1	726.1	726.1

(END OF REPORT)