

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: P332217-940

Luminaire Tested: **S123DIW-S1165D755U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332217-940
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: S123DIW-S1165D755U940-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6702.7 lumens
Efficiency: N/A
Efficacy: 112.1 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

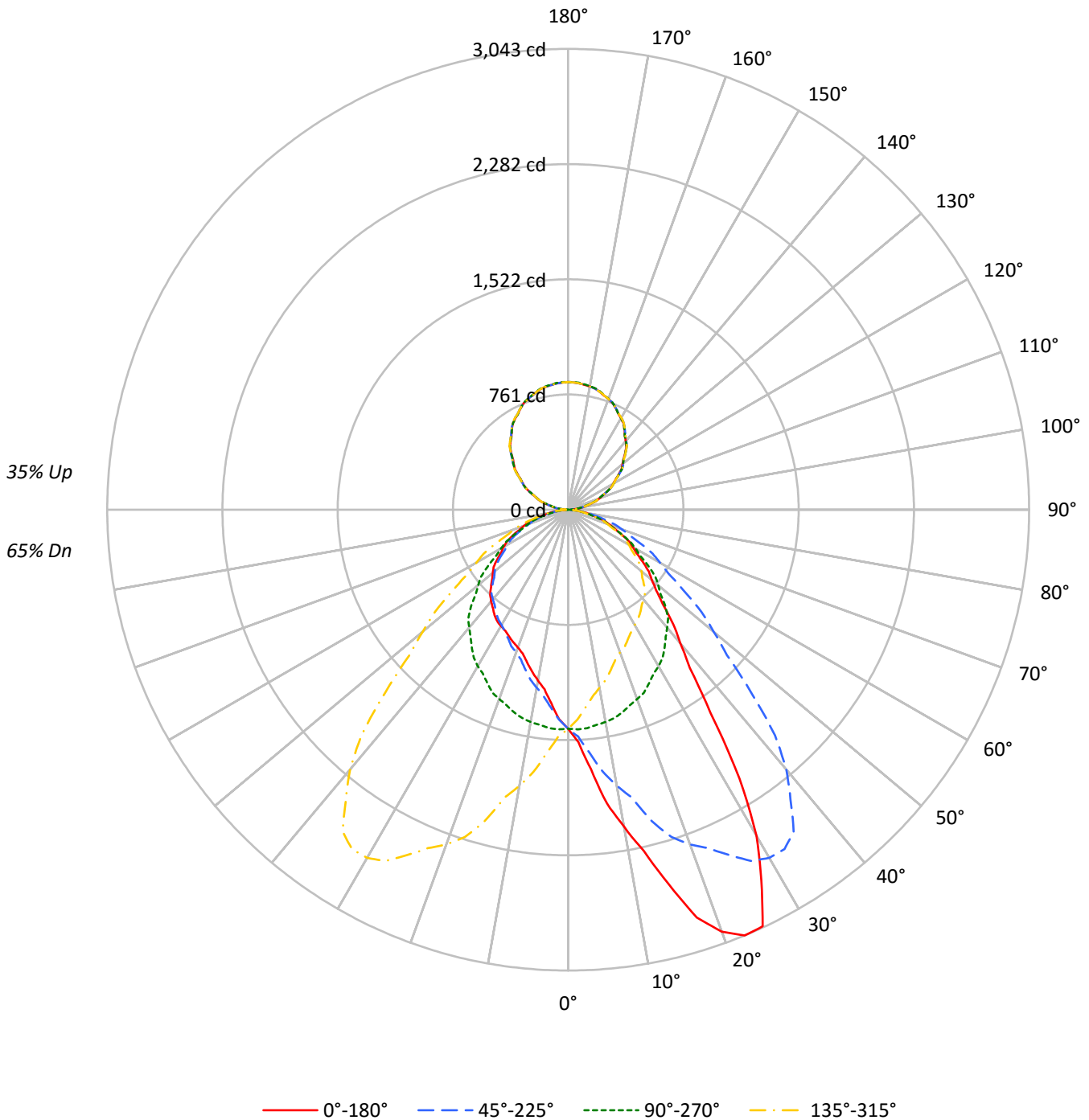
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	102	97	93	90	95	92	88	85	81	79	76	71	70	68	63	61	60	56
2	93	85	79	74	87	81	75	71	71	67	64	63	60	57	55	53	51	47
3	85	75	68	62	80	71	65	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	51	57	51	46	50	46	42	44	41	38	35
5	72	60	52	46	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15569	15569	15569	15569
5°	18567	15637	13857	15637
10°	23240	15557	12516	15557
15°	28505	15432	11652	15432
20°	33956	15237	11094	15237
25°	36056	14998	10969	14998
30°	30904	14825	11028	14825
35°	21494	14578	11143	14578
40°	16190	14289	11108	14289
45°	13443	13857	10966	13857
50°	12042	12980	10868	12980
55°	11258	12033	10732	12033
60°	10559	11044	10622	11044
65°	9926	10068	10282	10068
70°	9309	8954	9791	8954
75°	8339	7839	8979	7839
80°	7296	6428	7736	6428
85°	5718	4668	5199	4668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	2.1
10°-20°	456.9	6.8
20°-30°	766.8	11.4
30°-40°	868.3	13.0
40°-50°	778.6	11.6
50°-60°	628.3	9.4
60°-70°	437.9	6.5
70°-80°	230.1	3.4
80°-90°	58.8	0.9
90°-100°	54.9	0.8
100°-110°	164.3	2.5
110°-120°	279.4	4.2
120°-130°	367.5	5.5
130°-140°	413.1	6.2
140°-150°	406.1	6.1
150°-160°	341.9	5.1
160°-170°	227.6	3.4
170°-180°	79.7	1.2
0°-30°	1366.2	20.4
0°-40°	2234.5	33.3
0°-60°	3641.5	54.3
0°-90°	4368.3	65.2
90°-120°	498.6	7.4
90°-150°	1685.3	25.1
90°-180°	2334.0	34.8
0°-180°	6702.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1446	1446	1446	1446	1446	
5°	1718	1447	1282	1447	1718	178
15°	2558	1385	1046	1385	2558	739
25°	3036	1263	924	1263	3036	1331
35°	1636	1109	848	1109	1636	1063
45°	883	910	720	910	883	699
55°	600	641	572	641	600	538
65°	390	395	404	395	390	388
75°	200	188	216	188	200	215
85°	46	38	42	38	46	55
90°	20	1	20	1	20	12
95°	52	39	52	39	52	53
105°	158	149	158	149	158	167
115°	282	281	282	281	282	279
125°	407	412	407	412	407	364
135°	533	534	533	534	533	410
145°	648	648	648	648	648	404
155°	741	742	741	742	741	341
165°	806	808	806	808	806	227
175°	837	840	837	840	837	80
180°	843	843	843	843	843	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1535.1	1533.9	1531.2	1533.4	1528.9	1522.7	1522.2	1516.5	1500.3	1499.1	1494.7
5°	1718.4	1712.8	1712.1	1711.4	1701.6	1688.3	1663.0	1660.9	1627.3	1610.4	1590.2
7.5°	1955.8	1958.7	1948.6	1939.6	1909.6	1889.8	1862.8	1828.2	1786.8	1744.9	1717.0
10°	2126.3	2149.4	2120.7	2101.0	2082.9	2048.4	2008.6	1958.7	1909.0	1850.8	1806.7
12.5°	2309.1	2320.4	2314.6	2296.2	2267.8	2215.5	2144.7	2090.0	2044.2	1947.3	1908.2
15°	2558.0	2600.8	2573.4	2510.3	2511.7	2461.9	2369.5	2267.8	2213.9	2129.0	2013.5
17.5°	2823.2	2828.5	2816.8	2764.3	2729.3	2660.9	2575.5	2478.1	2368.7	2266.2	2143.5
20°	2964.4	2960.2	2935.7	2908.4	2848.1	2794.9	2701.6	2593.0	2452.8	2352.0	2218.0
22.5°	3043.0	3035.9	3024.3	3001.4	2951.3	2894.0	2810.4	2691.7	2558.2	2419.2	2264.6
25°	3035.9	3045.0	3046.4	3040.1	3022.6	2988.3	2922.4	2827.8	2694.7	2516.0	2354.7
27.5°	2761.2	2774.1	2811.6	2844.7	2881.9	2919.7	2914.6	2867.7	2769.2	2614.9	2417.8
30°	2486.4	2458.4	2527.8	2615.5	2675.0	2780.1	2839.0	2842.5	2787.1	2654.7	2462.6
32.5°	2105.2	2136.1	2166.8	2274.6	2404.8	2522.8	2640.0	2734.3	2745.1	2656.9	2489.0
35°	1635.7	1674.3	1730.3	1786.4	1926.5	2047.1	2253.1	2432.5	2575.5	2594.4	2491.4
37.5°	1318.1	1337.1	1372.6	1428.8	1520.5	1663.5	1822.8	2049.6	2256.7	2410.8	2417.5
40°	1152.2	1157.7	1197.7	1240.5	1314.7	1432.4	1576.1	1776.6	2024.6	2239.8	2329.5
42.5°	1027.7	1040.0	1056.9	1098.1	1157.2	1245.8	1379.4	1545.0	1772.4	2020.0	2195.5
45°	883.1	897.1	907.6	934.9	977.0	1036.5	1129.7	1281.1	1454.2	1709.9	1946.2
47.5°	787.5	788.5	796.4	817.0	845.6	890.3	956.2	1053.5	1212.4	1419.9	1662.3
50°	719.1	730.2	733.1	749.1	771.6	804.5	859.2	941.9	1072.3	1254.5	1477.3
52.5°	670.8	674.2	682.1	693.7	713.3	739.0	786.3	851.0	953.4	1108.7	1313.6
55°	599.9	599.9	607.6	616.7	627.9	651.0	682.6	730.2	808.1	928.5	1098.1
57.5°	534.3	537.8	543.2	546.1	555.6	570.9	597.3	633.4	691.4	784.2	919.1
60°	490.5	496.9	496.1	501.8	510.2	522.1	544.6	574.0	625.8	700.1	813.7
62.5°	452.5	452.0	451.9	458.6	467.0	478.4	492.9	518.4	562.5	628.4	725.1
65°	389.7	388.3	393.2	397.3	400.2	408.6	419.8	442.2	471.6	520.7	595.7
67.5°	333.9	329.8	332.4	333.9	338.7	345.2	355.7	369.6	393.0	432.4	488.9
70°	295.8	292.2	291.5	292.9	297.1	302.0	309.8	323.1	344.8	376.3	417.7
72.5°	256.5	254.1	254.0	257.1	259.0	262.3	267.7	279.9	297.1	320.8	359.4
75°	200.5	200.5	200.5	201.2	203.2	206.1	210.3	216.5	229.9	246.6	272.6
77.5°	150.3	150.1	149.3	149.1	152.2	153.5	154.4	160.3	167.7	179.1	198.0
80°	117.7	114.2	115.7	117.7	119.1	119.8	122.0	123.3	129.7	136.0	149.3
82.5°	87.5	84.5	84.8	88.0	88.3	89.0	91.1	93.1	95.4	101.2	108.3
85°	46.3	46.3	47.0	47.0	47.6	47.0	49.0	49.8	49.8	53.2	57.4
87.5°	20.8	19.6	20.2	20.6	20.0	20.5	20.9	21.3	21.8	22.2	22.4
90°	19.9	19.5	19.3	19.0	18.6	18.3	17.7	17.0	16.5	15.9	14.0
92.5°	26.8	26.9	27.1	27.3	27.5	27.3	26.8	26.4	25.9	25.4	24.3
95°	51.6	51.6	51.6	51.6	51.6	51.4	50.7	50.1	49.6	49.0	47.8
97.5°	79.5	79.5	79.5	79.6	79.6	79.4	78.6	78.0	77.3	76.7	75.8
100°	100.6	100.3	100.0	99.7	99.4	99.1	98.6	98.2	97.7	97.3	96.6
102.5°	122.3	122.3	122.4	122.5	122.5	122.3	121.9	121.5	121.0	120.6	119.6
105°	157.6	157.2	156.9	156.7	156.3	156.2	156.2	156.2	156.2	156.2	154.9
107.5°	194.2	194.4	194.6	194.7	194.9	194.7	194.3	193.8	193.3	192.9	192.3
110°	219.1	219.4	219.6	220.0	220.3	220.1	219.5	218.9	218.4	217.8	217.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	245.6	245.6	245.7	245.8	245.8	245.5	244.8	244.1	243.3	242.6	242.5
115°	282.0	282.1	282.2	282.4	282.6	282.6	282.4	282.2	282.1	282.0	282.2
117.5°	318.9	319.3	319.7	320.1	320.6	320.7	320.7	320.8	320.8	320.8	321.3
120°	344.8	345.1	345.4	345.7	346.0	346.3	346.3	346.5	346.7	346.8	347.6
122.5°	369.7	370.1	370.5	371.0	371.4	371.8	372.1	372.6	372.9	373.3	373.7
125°	407.1	407.6	408.2	408.8	409.4	410.0	410.5	411.2	411.8	412.3	412.6
127.5°	444.3	445.0	445.6	446.3	446.9	447.7	448.5	449.3	450.1	451.0	451.3
130°	468.6	469.7	470.6	471.7	472.7	473.5	474.1	474.7	475.3	475.9	476.4
132.5°	494.0	494.8	495.6	496.4	497.2	497.9	498.6	499.4	500.1	500.8	501.1
135°	533.4	533.8	534.0	534.3	534.7	535.1	535.7	536.3	536.8	537.4	537.6
137.5°	568.3	568.8	569.4	570.0	570.5	571.1	571.7	572.3	572.9	573.5	573.2
140°	591.0	592.1	593.1	594.1	595.1	595.8	595.9	596.0	596.2	596.4	596.2
142.5°	614.3	615.1	615.9	616.7	617.5	618.0	618.1	618.3	618.4	618.6	618.3
145°	648.0	648.5	649.2	649.7	650.3	650.7	650.9	650.9	651.1	651.3	650.9
147.5°	677.9	678.8	679.7	680.6	681.4	681.9	681.9	681.9	681.9	681.9	681.4
150°	697.0	697.9	698.7	699.5	700.4	700.9	700.9	700.9	700.9	700.9	700.6
152.5°	715.5	716.2	717.0	717.7	718.5	718.8	718.5	718.4	718.1	717.8	717.6
155°	740.7	741.6	742.7	743.7	744.8	744.9	744.4	743.8	743.2	742.6	742.4
157.5°	763.5	764.4	765.2	766.0	766.8	767.0	766.3	765.7	765.1	764.5	764.4
160°	778.4	778.9	779.5	780.2	780.7	780.6	779.9	779.2	778.5	777.7	777.7
162.5°	789.4	790.4	791.4	792.3	793.3	793.4	792.6	791.8	791.1	790.4	790.3
165°	805.5	806.6	807.5	808.6	809.6	809.7	808.8	807.9	807.0	806.1	806.1
167.5°	819.1	820.0	820.9	821.9	822.8	822.8	821.9	820.9	820.0	819.1	819.0
170°	826.0	827.1	828.0	829.1	830.1	830.1	829.1	828.0	827.1	826.0	826.0
172.5°	831.3	832.3	833.4	834.4	835.4	835.4	834.6	833.7	832.8	831.8	831.8
175°	837.2	838.3	839.3	840.3	841.4	841.4	840.5	839.7	838.8	837.9	837.9
177.5°	840.4	841.2	842.0	842.9	843.7	843.8	843.1	842.4	841.7	841.0	841.0
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1491.3	1486.8	1482.4	1474.5	1467.8	1458.2	1455.5	1452.1	1442.0	1433.1	1426.3
5°	1582.4	1565.6	1541.1	1518.7	1500.5	1476.0	1461.9	1447.2	1426.1	1407.2	1391.8
7.5°	1677.8	1644.7	1606.5	1565.3	1527.0	1490.0	1460.1	1433.4	1404.0	1376.1	1354.4
10°	1753.5	1705.8	1652.5	1595.1	1546.0	1498.3	1458.4	1423.3	1385.5	1352.5	1325.3
12.5°	1839.8	1769.2	1695.7	1625.9	1567.9	1501.7	1453.3	1408.8	1365.9	1326.2	1295.6
15°	1942.0	1852.3	1765.3	1669.4	1581.0	1498.3	1440.9	1384.8	1335.1	1294.4	1255.2
17.5°	2035.1	1933.4	1818.9	1702.1	1595.6	1497.5	1417.0	1353.7	1291.5	1241.7	1202.6
20°	2087.8	1972.1	1842.5	1721.2	1603.5	1494.2	1405.9	1330.2	1262.8	1210.3	1166.2
22.5°	2133.2	1997.9	1863.8	1734.1	1602.9	1485.1	1385.1	1307.2	1234.3	1182.9	1135.9
25°	2180.2	2018.4	1883.8	1731.7	1585.3	1463.3	1351.2	1262.8	1190.0	1129.7	1081.4
27.5°	2220.6	2017.0	1857.3	1693.7	1557.5	1435.3	1315.5	1220.8	1143.4	1078.0	1028.9
30°	2247.5	2019.7	1829.8	1667.9	1530.6	1404.4	1288.1	1192.8	1111.5	1044.9	998.6
32.5°	2264.3	2018.0	1804.6	1632.1	1488.0	1376.4	1258.4	1159.7	1076.2	1010.8	966.2
35°	2274.1	2005.7	1761.1	1557.9	1419.2	1310.5	1211.7	1109.4	1021.8	960.8	910.3
37.5°	2254.5	1979.8	1710.7	1486.4	1334.5	1227.5	1144.4	1057.2	973.4	906.3	862.8
40°	2223.7	1963.0	1671.4	1436.0	1276.2	1173.1	1102.4	1016.9	934.2	870.4	829.7
42.5°	2164.8	1928.8	1628.3	1379.9	1215.7	1112.6	1047.4	976.0	897.8	837.9	797.3
45°	2021.2	1854.3	1563.5	1295.8	1126.2	1019.7	962.2	910.3	839.5	781.4	746.4
47.5°	1821.9	1742.4	1469.9	1207.1	1032.9	930.4	870.7	828.9	777.2	730.2	696.6
50°	1683.4	1650.4	1406.5	1146.6	970.6	870.4	813.0	775.1	738.0	691.0	660.1
52.5°	1523.6	1543.9	1332.6	1083.7	907.3	808.8	754.7	724.6	690.9	652.3	625.4
55°	1298.6	1372.2	1204.7	978.3	813.0	719.1	667.9	641.2	621.6	592.9	569.8
57.5°	1088.0	1181.6	1066.5	869.7	720.3	639.3	590.2	561.2	548.6	533.6	515.4
60°	963.0	1055.4	967.9	796.8	658.1	580.9	537.5	513.0	500.3	489.9	474.5
62.5°	851.3	944.9	871.4	722.8	596.9	525.5	487.6	463.7	453.9	448.4	435.2
65°	698.0	778.6	729.5	607.6	509.5	446.4	412.1	395.3	386.1	384.1	375.7
67.5°	568.1	629.5	593.7	504.0	426.8	372.3	343.1	328.9	321.8	321.1	314.8
70°	482.9	540.3	513.0	431.7	365.2	322.4	297.1	284.5	280.4	279.6	276.2
72.5°	416.7	456.8	435.1	367.2	315.8	277.0	258.4	245.3	240.5	241.5	239.2
75°	308.4	338.5	325.9	278.9	237.6	212.3	196.9	188.5	184.3	186.5	183.6
77.5°	221.9	240.9	229.6	197.1	171.6	153.4	142.0	136.8	133.0	132.9	131.6
80°	167.5	178.7	172.4	152.8	131.8	116.4	107.2	103.7	101.7	100.9	100.2
82.5°	119.3	128.9	121.4	107.9	93.6	84.4	79.2	74.5	73.0	73.5	72.8
85°	60.3	63.8	61.0	52.5	47.0	42.7	39.9	37.8	36.5	37.2	35.8
87.5°	23.2	23.4	21.3	18.7	17.3	15.3	15.0	13.6	12.8	13.0	12.8
90°	12.0	10.2	8.2	6.5	5.1	3.6	2.1	0.6	2.1	3.6	5.1
92.5°	23.3	22.1	21.0	20.0	19.0	18.0	17.0	16.1	17.0	18.0	19.0
95°	46.6	45.5	44.2	43.2	42.2	41.1	40.0	39.1	40.0	41.1	42.2
97.5°	74.9	74.1	73.2	72.4	71.7	70.9	70.1	69.4	70.1	70.9	71.7
100°	95.9	95.1	94.3	93.5	92.6	91.8	90.9	90.0	90.9	91.8	92.6
102.5°	118.7	117.7	116.7	115.9	115.4	114.9	114.4	113.9	114.4	114.9	115.4
105°	153.6	152.2	150.9	150.1	149.8	149.5	149.2	148.9	149.2	149.5	149.8
107.5°	191.8	191.3	190.7	190.4	190.2	190.0	189.8	189.7	189.8	190.0	190.2
110°	217.1	216.9	216.6	216.2	216.0	215.7	215.4	215.1	215.4	215.7	216.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	242.5	242.5	242.4	242.3	242.1	241.9	241.7	241.6	241.7	241.9	242.1
115°	282.6	282.9	283.1	283.0	282.6	282.1	281.7	281.3	281.7	282.1	282.6
117.5°	321.6	322.0	322.4	322.4	322.2	321.8	321.6	321.3	321.6	321.8	322.2
120°	348.3	349.0	349.7	349.7	348.8	347.9	347.1	346.2	347.1	347.9	348.8
122.5°	374.1	374.4	374.8	374.7	374.1	373.4	372.7	372.1	372.7	373.4	374.1
125°	413.0	413.2	413.5	413.5	413.0	412.6	412.1	411.7	412.1	412.6	413.0
127.5°	451.7	452.0	452.3	452.0	451.0	450.1	449.2	448.2	449.2	450.1	451.0
130°	476.8	477.2	477.7	477.2	476.1	474.9	473.8	472.6	473.8	474.9	476.1
132.5°	501.4	501.8	502.0	501.7	500.4	499.3	498.1	497.0	498.1	499.3	500.4
135°	537.7	537.9	538.1	537.6	536.8	535.9	535.0	534.1	535.0	535.9	536.8
137.5°	572.8	572.4	572.0	571.5	570.8	570.0	569.3	568.6	569.3	570.0	570.8
140°	596.0	595.9	595.8	595.3	594.6	593.9	593.1	592.4	593.1	593.9	594.6
142.5°	618.0	617.8	617.5	617.0	616.3	615.5	614.8	614.1	614.8	615.5	616.3
145°	650.4	650.0	649.5	649.2	648.8	648.5	648.3	648.0	648.3	648.5	648.8
147.5°	681.0	680.6	680.2	679.8	679.2	678.7	678.1	677.6	678.1	678.7	679.2
150°	700.3	700.0	699.7	699.5	699.2	698.8	698.6	698.3	698.6	698.8	699.2
152.5°	717.5	717.3	717.1	716.8	716.5	716.0	715.6	715.2	715.6	716.0	716.5
155°	742.3	742.2	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0
157.5°	764.2	764.1	764.0	764.0	764.2	764.4	764.6	764.7	764.6	764.4	764.2
160°	777.7	777.7	777.7	777.8	778.1	778.5	778.7	779.0	778.7	778.5	778.1
162.5°	790.1	790.1	790.0	790.1	790.5	790.9	791.3	791.8	791.3	790.9	790.5
165°	806.1	806.1	806.1	806.4	806.8	807.3	807.7	808.2	807.7	807.3	806.8
167.5°	818.9	818.8	818.7	818.9	819.5	820.1	820.6	821.3	820.6	820.1	819.5
170°	826.0	826.0	826.0	826.3	826.9	827.5	828.0	828.7	828.0	827.5	826.9
172.5°	831.8	831.8	831.8	832.1	832.7	833.3	833.9	834.5	833.9	833.3	832.7
175°	837.9	837.9	837.9	838.2	838.8	839.4	840.0	840.5	840.0	839.4	838.8
177.5°	841.0	841.0	841.0	841.2	841.7	842.1	842.6	843.1	842.6	842.1	841.7
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332217-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1422.4	1418.4	1412.8	1404.4	1397.7	1387.1	1387.1	1388.8	1388.8	1388.2	1387.1
5°	1379.2	1368.7	1356.1	1341.4	1326.0	1310.5	1307.7	1302.1	1297.9	1295.1	1291.6
7.5°	1333.6	1315.0	1296.6	1276.0	1257.2	1241.7	1230.9	1221.9	1216.2	1210.1	1205.5
10°	1302.8	1279.7	1257.9	1236.3	1212.4	1193.5	1181.6	1173.1	1166.9	1161.3	1158.4
12.5°	1266.4	1239.9	1215.9	1195.3	1169.2	1149.8	1138.4	1134.4	1127.0	1115.3	1109.1
15°	1213.1	1188.6	1159.8	1128.3	1115.7	1091.9	1078.5	1072.3	1068.0	1058.9	1056.1
17.5°	1167.5	1135.4	1103.2	1079.7	1056.2	1036.9	1029.5	1021.6	1016.0	1008.6	1006.4
20°	1131.1	1102.4	1072.9	1047.8	1023.1	1002.2	995.9	990.2	984.6	981.1	978.3
22.5°	1094.1	1065.4	1041.0	1017.4	991.2	977.5	970.6	964.5	960.6	958.1	955.4
25°	1042.1	1016.9	989.5	968.5	947.5	938.3	934.2	930.7	927.9	924.3	923.6
27.5°	995.6	968.1	945.9	926.3	911.2	903.7	899.6	897.9	898.5	899.7	900.5
30°	960.8	935.6	917.4	900.5	886.5	879.5	878.8	878.8	881.6	882.3	883.7
32.5°	928.9	908.1	889.9	873.6	863.0	858.2	860.9	860.9	863.1	865.0	867.5
35°	882.3	864.1	850.1	836.1	827.0	829.0	830.5	831.9	835.4	839.5	842.4
37.5°	837.9	822.1	807.4	796.6	792.4	796.1	799.5	802.5	806.5	809.8	812.5
40°	805.9	794.0	780.0	770.2	771.6	773.7	776.5	780.0	783.5	785.6	788.5
42.5°	776.2	763.8	753.1	744.9	746.9	749.6	751.3	753.1	757.2	761.0	762.6
45°	730.9	721.1	711.3	706.4	707.8	709.3	710.6	712.7	716.2	719.1	719.7
47.5°	680.1	673.2	666.6	661.8	664.1	663.5	665.4	669.9	670.9	672.6	676.5
50°	647.6	641.2	633.6	632.1	632.1	632.1	632.8	638.5	638.5	641.2	644.1
52.5°	611.7	607.6	602.7	600.2	599.1	599.1	602.0	604.8	605.9	609.8	612.7
55°	558.6	554.4	550.1	548.0	546.6	548.0	553.7	555.0	558.6	560.6	562.8
57.5°	503.2	500.0	496.6	495.4	495.2	497.0	500.1	504.3	505.2	511.6	514.8
60°	466.7	461.8	459.1	459.1	457.6	464.0	462.5	469.6	470.9	475.2	480.1
62.5°	429.2	422.6	421.5	421.5	423.5	425.3	427.2	430.3	433.9	439.3	443.1
65°	368.6	365.2	370.1	369.3	367.9	372.1	372.1	375.7	379.9	384.8	392.4
67.5°	311.3	309.5	309.9	309.9	312.0	314.4	316.4	319.4	324.5	329.7	334.7
70°	272.6	274.7	271.3	274.0	276.2	276.8	278.2	282.4	288.0	291.5	297.1
72.5°	235.1	234.9	235.3	236.5	238.5	239.8	241.2	246.0	252.2	255.1	259.6
75°	180.8	180.1	182.2	182.2	185.7	187.1	188.5	190.6	196.3	200.5	203.9
77.5°	132.1	132.9	132.4	134.8	133.8	134.1	138.5	140.6	141.2	149.5	151.2
80°	99.5	100.9	101.7	102.3	103.0	101.7	106.6	108.6	108.6	113.5	117.0
82.5°	71.5	72.3	74.2	74.8	75.0	76.4	76.8	78.4	80.1	82.1	86.8
85°	35.8	37.8	38.5	37.8	38.5	37.2	39.2	39.9	40.7	40.7	40.7
87.5°	12.5	13.5	13.3	14.2	14.0	15.0	15.1	14.1	14.2	16.0	13.8
90°	6.5	8.2	10.2	12.0	14.0	15.9	16.5	17.0	17.7	18.3	18.6
92.5°	20.0	21.0	22.1	23.3	24.3	25.4	25.9	26.4	26.8	27.3	27.5
95°	43.2	44.2	45.5	46.6	47.8	49.0	49.6	50.1	50.7	51.4	51.6
97.5°	72.4	73.2	74.1	74.9	75.8	76.7	77.3	78.0	78.6	79.4	79.6
100°	93.5	94.3	95.1	95.9	96.6	97.3	97.7	98.2	98.6	99.1	99.4
102.5°	115.9	116.7	117.7	118.7	119.6	120.6	121.0	121.5	121.9	122.3	122.5
105°	150.1	150.9	152.2	153.6	154.9	156.2	156.2	156.2	156.2	156.2	156.3
107.5°	190.4	190.7	191.3	191.8	192.3	192.9	193.3	193.8	194.3	194.7	194.9
110°	216.2	216.6	216.9	217.1	217.5	217.8	218.4	218.9	219.5	220.1	220.3



TEST NUMBER: P332217-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	242.3	242.4	242.5	242.5	242.5	242.6	243.3	244.1	244.8	245.5	245.8
115°	283.0	283.1	282.9	282.6	282.2	282.0	282.1	282.2	282.4	282.6	282.6
117.5°	322.4	322.4	322.0	321.6	321.3	320.8	320.8	320.8	320.7	320.7	320.6
120°	349.7	349.7	349.0	348.3	347.6	346.8	346.7	346.5	346.3	346.3	346.0
122.5°	374.7	374.8	374.4	374.1	373.7	373.3	372.9	372.6	372.1	371.8	371.4
125°	413.5	413.5	413.2	413.0	412.6	412.3	411.8	411.2	410.5	410.0	409.4
127.5°	452.0	452.3	452.0	451.7	451.3	451.0	450.1	449.3	448.5	447.7	446.9
130°	477.2	477.7	477.2	476.8	476.4	475.9	475.3	474.7	474.1	473.5	472.7
132.5°	501.7	502.0	501.8	501.4	501.1	500.8	500.1	499.4	498.6	497.9	497.2
135°	537.6	538.1	537.9	537.7	537.6	537.4	536.8	536.3	535.7	535.1	534.7
137.5°	571.5	572.0	572.4	572.8	573.2	573.5	572.9	572.3	571.7	571.1	570.5
140°	595.3	595.8	595.9	596.0	596.2	596.4	596.2	596.0	595.9	595.8	595.1
142.5°	617.0	617.5	617.8	618.0	618.3	618.6	618.4	618.3	618.1	618.0	617.5
145°	649.2	649.5	650.0	650.4	650.9	651.3	651.1	650.9	650.9	650.7	650.3
147.5°	679.8	680.2	680.6	681.0	681.4	681.9	681.9	681.9	681.9	681.9	681.4
150°	699.5	699.7	700.0	700.3	700.6	700.9	700.9	700.9	700.9	700.9	700.4
152.5°	716.8	717.1	717.3	717.5	717.6	717.8	718.1	718.4	718.5	718.8	718.5
155°	742.0	742.0	742.2	742.3	742.4	742.6	743.2	743.8	744.4	744.9	744.8
157.5°	764.0	764.0	764.1	764.2	764.4	764.5	765.1	765.7	766.3	767.0	766.8
160°	777.8	777.7	777.7	777.7	777.7	777.7	778.5	779.2	779.9	780.6	780.7
162.5°	790.1	790.0	790.1	790.1	790.3	790.4	791.1	791.8	792.6	793.4	793.3
165°	806.4	806.1	806.1	806.1	806.1	806.1	807.0	807.9	808.8	809.7	809.6
167.5°	818.9	818.7	818.8	818.9	819.0	819.1	820.0	820.9	821.9	822.8	822.8
170°	826.3	826.0	826.0	826.0	826.0	826.0	827.1	828.0	829.1	830.1	830.1
172.5°	832.1	831.8	831.8	831.8	831.8	831.8	832.8	833.7	834.6	835.4	835.4
175°	838.2	837.9	837.9	837.9	837.9	837.9	838.8	839.7	840.5	841.4	841.4
177.5°	841.2	841.0	841.0	841.0	841.0	841.0	841.7	842.4	843.1	843.8	843.7
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332217-940

CATALOG NUMBER: S123DIW-S1165D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1383.1	1382.6	1386.5	1383.7	1386.5	1382.6	1383.1	1387.1	1388.2	1388.8	1388.8
5°	1287.4	1289.5	1282.5	1282.5	1282.5	1289.5	1287.4	1291.6	1295.1	1297.9	1302.1
7.5°	1202.2	1199.1	1199.4	1195.6	1199.4	1199.1	1202.2	1205.5	1210.1	1216.2	1221.9
10°	1150.0	1145.8	1144.4	1145.1	1144.4	1145.8	1150.0	1158.4	1161.3	1166.9	1173.1
12.5°	1106.9	1106.0	1096.8	1096.9	1096.8	1106.0	1106.9	1109.1	1115.3	1127.0	1134.4
15°	1056.1	1042.9	1041.4	1045.6	1041.4	1042.9	1056.1	1056.1	1058.9	1068.0	1072.3
17.5°	1005.2	998.3	998.6	996.6	998.6	998.3	1005.2	1006.4	1008.6	1016.0	1021.6
20°	978.3	974.1	973.4	968.5	973.4	974.1	978.3	978.3	981.1	984.6	990.2
22.5°	953.7	952.3	952.7	947.3	952.7	952.3	953.7	955.4	958.1	960.6	964.5
25°	923.0	926.5	923.6	923.6	923.6	926.5	923.0	923.6	924.3	927.9	930.7
27.5°	902.2	902.1	900.7	900.7	900.7	902.1	902.2	900.5	899.7	898.5	897.9
30°	886.5	885.8	887.3	887.3	887.3	885.8	886.5	883.7	882.3	881.6	878.8
32.5°	870.8	871.8	872.1	872.6	872.1	871.8	870.8	867.5	865.0	863.1	860.9
35°	846.6	847.3	849.4	848.0	849.4	847.3	846.6	842.4	839.5	835.4	831.9
37.5°	813.8	817.0	816.3	817.4	816.3	817.0	813.8	812.5	809.8	806.5	802.5
40°	789.1	791.2	790.5	790.5	790.5	791.2	789.1	788.5	785.6	783.5	780.0
42.5°	763.9	765.4	763.6	762.5	763.6	765.4	763.9	762.6	761.0	757.2	753.1
45°	722.6	721.1	723.3	720.4	723.3	721.1	722.6	719.7	719.1	716.2	712.7
47.5°	676.3	677.7	678.2	680.4	678.2	677.7	676.3	676.5	672.6	670.9	669.9
50°	645.4	649.6	649.6	649.0	649.6	649.6	645.4	644.1	641.2	638.5	638.5
52.5°	615.2	617.2	619.9	619.8	619.9	617.2	615.2	612.7	609.8	605.9	604.8
55°	568.4	569.8	571.1	571.9	571.1	569.8	568.4	562.8	560.6	558.6	555.0
57.5°	519.9	519.3	522.6	523.6	522.6	519.3	519.9	514.8	511.6	505.2	504.3
60°	485.6	485.6	491.2	493.4	491.2	485.6	485.6	480.1	475.2	470.9	469.6
62.5°	449.2	451.5	457.1	454.1	457.1	451.5	449.2	443.1	439.3	433.9	430.3
65°	395.9	401.5	400.8	403.7	400.8	401.5	395.9	392.4	384.8	379.9	375.7
67.5°	340.3	343.8	348.8	349.3	348.8	343.8	340.3	334.7	329.7	324.5	319.4
70°	302.7	306.2	309.1	311.1	309.1	306.2	302.7	297.1	291.5	288.0	282.4
72.5°	266.4	268.1	274.8	271.9	274.8	268.1	266.4	259.6	255.1	252.2	246.0
75°	208.8	213.7	217.9	215.9	217.9	213.7	208.8	203.9	200.5	196.3	190.6
77.5°	154.4	159.3	161.3	159.5	161.3	159.3	154.4	151.2	149.5	141.2	140.6
80°	122.0	121.3	125.5	124.8	125.5	121.3	122.0	117.0	113.5	108.6	108.6
82.5°	89.4	88.7	90.7	91.1	90.7	88.7	89.4	86.8	82.1	80.1	78.4
85°	43.4	45.6	42.7	42.1	42.7	45.6	43.4	40.7	40.7	40.7	39.9
87.5°	13.9	13.9	13.5	12.9	13.5	13.9	13.9	13.8	16.0	14.2	14.1
90°	19.0	19.3	19.5	19.9	19.5	19.3	19.0	18.6	18.3	17.7	17.0
92.5°	27.3	27.1	26.9	26.8	26.9	27.1	27.3	27.5	27.3	26.8	26.4
95°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.4	50.7	50.1
97.5°	79.6	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.4	78.6	78.0
100°	99.7	100.0	100.3	100.6	100.3	100.0	99.7	99.4	99.1	98.6	98.2
102.5°	122.5	122.4	122.3	122.3	122.3	122.4	122.5	122.5	122.3	121.9	121.5
105°	156.7	156.9	157.2	157.6	157.2	156.9	156.7	156.3	156.2	156.2	156.2
107.5°	194.7	194.6	194.4	194.2	194.4	194.6	194.7	194.9	194.7	194.3	193.8
110°	220.0	219.6	219.4	219.1	219.4	219.6	220.0	220.3	220.1	219.5	218.9



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	245.8	245.7	245.6	245.6	245.6	245.7	245.8	245.8	245.5	244.8	244.1
115°	282.4	282.2	282.1	282.0	282.1	282.2	282.4	282.6	282.6	282.4	282.2
117.5°	320.1	319.7	319.3	318.9	319.3	319.7	320.1	320.6	320.7	320.7	320.8
120°	345.7	345.4	345.1	344.8	345.1	345.4	345.7	346.0	346.3	346.3	346.5
122.5°	371.0	370.5	370.1	369.7	370.1	370.5	371.0	371.4	371.8	372.1	372.6
125°	408.8	408.2	407.6	407.1	407.6	408.2	408.8	409.4	410.0	410.5	411.2
127.5°	446.3	445.6	445.0	444.3	445.0	445.6	446.3	446.9	447.7	448.5	449.3
130°	471.7	470.6	469.7	468.6	469.7	470.6	471.7	472.7	473.5	474.1	474.7
132.5°	496.4	495.6	494.8	494.0	494.8	495.6	496.4	497.2	497.9	498.6	499.4
135°	534.3	534.0	533.8	533.4	533.8	534.0	534.3	534.7	535.1	535.7	536.3
137.5°	570.0	569.4	568.8	568.3	568.8	569.4	570.0	570.5	571.1	571.7	572.3
140°	594.1	593.1	592.1	591.0	592.1	593.1	594.1	595.1	595.8	595.9	596.0
142.5°	616.7	615.9	615.1	614.3	615.1	615.9	616.7	617.5	618.0	618.1	618.3
145°	649.7	649.2	648.5	648.0	648.5	649.2	649.7	650.3	650.7	650.9	650.9
147.5°	680.6	679.7	678.8	677.9	678.8	679.7	680.6	681.4	681.9	681.9	681.9
150°	699.5	698.7	697.9	697.0	697.9	698.7	699.5	700.4	700.9	700.9	700.9
152.5°	717.7	717.0	716.2	715.5	716.2	717.0	717.7	718.5	718.8	718.5	718.4
155°	743.7	742.7	741.6	740.7	741.6	742.7	743.7	744.8	744.9	744.4	743.8
157.5°	766.0	765.2	764.4	763.5	764.4	765.2	766.0	766.8	767.0	766.3	765.7
160°	780.2	779.5	778.9	778.4	778.9	779.5	780.2	780.7	780.6	779.9	779.2
162.5°	792.3	791.4	790.4	789.4	790.4	791.4	792.3	793.3	793.4	792.6	791.8
165°	808.6	807.5	806.6	805.5	806.6	807.5	808.6	809.6	809.7	808.8	807.9
167.5°	821.9	820.9	820.0	819.1	820.0	820.9	821.9	822.8	822.8	821.9	820.9
170°	829.1	828.0	827.1	826.0	827.1	828.0	829.1	830.1	830.1	829.1	828.0
172.5°	834.4	833.4	832.3	831.3	832.3	833.4	834.4	835.4	835.4	834.6	833.7
175°	840.3	839.3	838.3	837.2	838.3	839.3	840.3	841.4	841.4	840.5	839.7
177.5°	842.9	842.0	841.2	840.4	841.2	842.0	842.9	843.7	843.8	843.1	842.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332217-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1387.1	1387.1	1397.7	1404.4	1412.8	1418.4	1422.4	1426.3	1433.1	1442.0	1452.1
5°	1307.7	1310.5	1326.0	1341.4	1356.1	1368.7	1379.2	1391.8	1407.2	1426.1	1447.2
7.5°	1230.9	1241.7	1257.2	1276.0	1296.6	1315.0	1333.6	1354.4	1376.1	1404.0	1433.4
10°	1181.6	1193.5	1212.4	1236.3	1257.9	1279.7	1302.8	1325.3	1352.5	1385.5	1423.3
12.5°	1138.4	1149.8	1169.2	1195.3	1215.9	1239.9	1266.4	1295.6	1326.2	1365.9	1408.8
15°	1078.5	1091.9	1115.7	1128.3	1159.8	1188.6	1213.1	1255.2	1294.4	1335.1	1384.8
17.5°	1029.5	1036.9	1056.2	1079.7	1103.2	1135.4	1167.5	1202.6	1241.7	1291.5	1353.7
20°	995.9	1002.2	1023.1	1047.8	1072.9	1102.4	1131.1	1166.2	1210.3	1262.8	1330.2
22.5°	970.6	977.5	991.2	1017.4	1041.0	1065.4	1094.1	1135.9	1182.9	1234.3	1307.2
25°	934.2	938.3	947.5	968.5	989.5	1016.9	1042.1	1081.4	1129.7	1190.0	1262.8
27.5°	899.6	903.7	911.2	926.3	945.9	968.1	995.6	1028.9	1078.0	1143.4	1220.8
30°	878.8	879.5	886.5	900.5	917.4	935.6	960.8	998.6	1044.9	1111.5	1192.8
32.5°	860.9	858.2	863.0	873.6	889.9	908.1	928.9	966.2	1010.8	1076.2	1159.7
35°	830.5	829.0	827.0	836.1	850.1	864.1	882.3	910.3	960.8	1021.8	1109.4
37.5°	799.5	796.1	792.4	796.6	807.4	822.1	837.9	862.8	906.3	973.4	1057.2
40°	776.5	773.7	771.6	770.2	780.0	794.0	805.9	829.7	870.4	934.2	1016.9
42.5°	751.3	749.6	746.9	744.9	753.1	763.8	776.2	797.3	837.9	897.8	976.0
45°	710.6	709.3	707.8	706.4	711.3	721.1	730.9	746.4	781.4	839.5	910.3
47.5°	665.4	663.5	664.1	661.8	666.6	673.2	680.1	696.6	730.2	777.2	828.9
50°	632.8	632.1	632.1	632.1	633.6	641.2	647.6	660.1	691.0	738.0	775.1
52.5°	602.0	599.1	599.1	600.2	602.7	607.6	611.7	625.4	652.3	690.9	724.6
55°	553.7	548.0	546.6	548.0	550.1	554.4	558.6	569.8	592.9	621.6	641.2
57.5°	500.1	497.0	495.2	495.4	496.6	500.0	503.2	515.4	533.6	548.6	561.2
60°	462.5	464.0	457.6	459.1	459.1	461.8	466.7	474.5	489.9	500.3	513.0
62.5°	427.2	425.3	423.5	421.5	421.5	422.6	429.2	435.2	448.4	453.9	463.7
65°	372.1	372.1	367.9	369.3	370.1	365.2	368.6	375.7	384.1	386.1	395.3
67.5°	316.4	314.4	312.0	309.9	309.9	309.5	311.3	314.8	321.1	321.8	328.9
70°	278.2	276.8	276.2	274.0	271.3	274.7	272.6	276.2	279.6	280.4	284.5
72.5°	241.2	239.8	238.5	236.5	235.3	234.9	235.1	239.2	241.5	240.5	245.3
75°	188.5	187.1	185.7	182.2	182.2	180.1	180.8	183.6	186.5	184.3	188.5
77.5°	138.5	134.1	133.8	134.8	132.4	132.9	132.1	131.6	132.9	133.0	136.8
80°	106.6	101.7	103.0	102.3	101.7	100.9	99.5	100.2	100.9	101.7	103.7
82.5°	76.8	76.4	75.0	74.8	74.2	72.3	71.5	72.8	73.5	73.0	74.5
85°	39.2	37.2	38.5	37.8	38.5	37.8	35.8	35.8	37.2	36.5	37.8
87.5°	15.1	15.0	14.0	14.2	13.3	13.5	12.5	12.8	13.0	12.8	13.6
90°	16.5	15.9	14.0	12.0	10.2	8.2	6.5	5.1	3.6	2.1	0.6
92.5°	25.9	25.4	24.3	23.3	22.1	21.0	20.0	19.0	18.0	17.0	16.1
95°	49.6	49.0	47.8	46.6	45.5	44.2	43.2	42.2	41.1	40.0	39.1
97.5°	77.3	76.7	75.8	74.9	74.1	73.2	72.4	71.7	70.9	70.1	69.4
100°	97.7	97.3	96.6	95.9	95.1	94.3	93.5	92.6	91.8	90.9	90.0
102.5°	121.0	120.6	119.6	118.7	117.7	116.7	115.9	115.4	114.9	114.4	113.9
105°	156.2	156.2	154.9	153.6	152.2	150.9	150.1	149.8	149.5	149.2	148.9
107.5°	193.3	192.9	192.3	191.8	191.3	190.7	190.4	190.2	190.0	189.8	189.7
110°	218.4	217.8	217.5	217.1	216.9	216.6	216.2	216.0	215.7	215.4	215.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.3	242.6	242.5	242.5	242.5	242.4	242.3	242.1	241.9	241.7	241.6
115°	282.1	282.0	282.2	282.6	282.9	283.1	283.0	282.6	282.1	281.7	281.3
117.5°	320.8	320.8	321.3	321.6	322.0	322.4	322.4	322.2	321.8	321.6	321.3
120°	346.7	346.8	347.6	348.3	349.0	349.7	349.7	348.8	347.9	347.1	346.2
122.5°	372.9	373.3	373.7	374.1	374.4	374.8	374.7	374.1	373.4	372.7	372.1
125°	411.8	412.3	412.6	413.0	413.2	413.5	413.5	413.0	412.6	412.1	411.7
127.5°	450.1	451.0	451.3	451.7	452.0	452.3	452.0	451.0	450.1	449.2	448.2
130°	475.3	475.9	476.4	476.8	477.2	477.7	477.2	476.1	474.9	473.8	472.6
132.5°	500.1	500.8	501.1	501.4	501.8	502.0	501.7	500.4	499.3	498.1	497.0
135°	536.8	537.4	537.6	537.7	537.9	538.1	537.6	536.8	535.9	535.0	534.1
137.5°	572.9	573.5	573.2	572.8	572.4	572.0	571.5	570.8	570.0	569.3	568.6
140°	596.2	596.4	596.2	596.0	595.9	595.8	595.3	594.6	593.9	593.1	592.4
142.5°	618.4	618.6	618.3	618.0	617.8	617.5	617.0	616.3	615.5	614.8	614.1
145°	651.1	651.3	650.9	650.4	650.0	649.5	649.2	648.8	648.5	648.3	648.0
147.5°	681.9	681.9	681.4	681.0	680.6	680.2	679.8	679.2	678.7	678.1	677.6
150°	700.9	700.9	700.6	700.3	700.0	699.7	699.5	699.2	698.8	698.6	698.3
152.5°	718.1	717.8	717.6	717.5	717.3	717.1	716.8	716.5	716.0	715.6	715.2
155°	743.2	742.6	742.4	742.3	742.2	742.0	742.0	742.0	742.0	742.0	742.0
157.5°	765.1	764.5	764.4	764.2	764.1	764.0	764.0	764.2	764.4	764.6	764.7
160°	778.5	777.7	777.7	777.7	777.7	777.7	777.8	778.1	778.5	778.7	779.0
162.5°	791.1	790.4	790.3	790.1	790.1	790.0	790.1	790.5	790.9	791.3	791.8
165°	807.0	806.1	806.1	806.1	806.1	806.1	806.4	806.8	807.3	807.7	808.2
167.5°	820.0	819.1	819.0	818.9	818.8	818.7	818.9	819.5	820.1	820.6	821.3
170°	827.1	826.0	826.0	826.0	826.0	826.0	826.3	826.9	827.5	828.0	828.7
172.5°	832.8	831.8	831.8	831.8	831.8	831.8	832.1	832.7	833.3	833.9	834.5
175°	838.8	837.9	837.9	837.9	837.9	837.9	838.2	838.8	839.4	840.0	840.5
177.5°	841.7	841.0	841.0	841.0	841.0	841.0	841.2	841.7	842.1	842.6	843.1
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



TEST NUMBER: P332217-940

CATALOG NUMBER: S123DIW-S1165D755U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1455.5	1458.2	1467.8	1474.5	1482.4	1486.8	1491.3	1494.7	1499.1	1500.3	1516.5
5°	1461.9	1476.0	1500.5	1518.7	1541.1	1565.6	1582.4	1590.2	1610.4	1627.3	1660.9
7.5°	1460.1	1490.0	1527.0	1565.3	1606.5	1644.7	1677.8	1717.0	1744.9	1786.8	1828.2
10°	1458.4	1498.3	1546.0	1595.1	1652.5	1705.8	1753.5	1806.7	1850.8	1909.0	1958.7
12.5°	1453.3	1501.7	1567.9	1625.9	1695.7	1769.2	1839.8	1908.2	1947.3	2044.2	2090.0
15°	1440.9	1498.3	1581.0	1669.4	1765.3	1852.3	1942.0	2013.5	2129.0	2213.9	2267.8
17.5°	1417.0	1497.5	1595.6	1702.1	1818.9	1933.4	2035.1	2143.5	2266.2	2368.7	2478.1
20°	1405.9	1494.2	1603.5	1721.2	1842.5	1972.1	2087.8	2218.0	2352.0	2452.8	2593.0
22.5°	1385.1	1485.1	1602.9	1734.1	1863.8	1997.9	2133.2	2264.6	2419.2	2558.2	2691.7
25°	1351.2	1463.3	1585.3	1731.7	1883.8	2018.4	2180.2	2354.7	2516.0	2694.7	2827.8
27.5°	1315.5	1435.3	1557.5	1693.7	1857.3	2017.0	2220.6	2417.8	2614.9	2769.2	2867.7
30°	1288.1	1404.4	1530.6	1667.9	1829.8	2019.7	2247.5	2462.6	2654.7	2787.1	2842.5
32.5°	1258.4	1376.4	1488.0	1632.1	1804.6	2018.0	2264.3	2489.0	2656.9	2745.1	2734.3
35°	1211.7	1310.5	1419.2	1557.9	1761.1	2005.7	2274.1	2491.4	2594.4	2575.5	2432.5
37.5°	1144.4	1227.5	1334.5	1486.4	1710.7	1979.8	2254.5	2417.5	2410.8	2256.7	2049.6
40°	1102.4	1173.1	1276.2	1436.0	1671.4	1963.0	2223.7	2329.5	2239.8	2024.6	1776.6
42.5°	1047.4	1112.6	1215.7	1379.9	1628.3	1928.8	2164.8	2195.5	2020.0	1772.4	1545.0
45°	962.2	1019.7	1126.2	1295.8	1563.5	1854.3	2021.2	1946.2	1709.9	1454.2	1281.1
47.5°	870.7	930.4	1032.9	1207.1	1469.9	1742.4	1821.9	1662.3	1419.9	1212.4	1053.5
50°	813.0	870.4	970.6	1146.6	1406.5	1650.4	1683.4	1477.3	1254.5	1072.3	941.9
52.5°	754.7	808.8	907.3	1083.7	1332.6	1543.9	1523.6	1313.6	1108.7	953.4	851.0
55°	667.9	719.1	813.0	978.3	1204.7	1372.2	1298.6	1098.1	928.5	808.1	730.2
57.5°	590.2	639.3	720.3	869.7	1066.5	1181.6	1088.0	919.1	784.2	691.4	633.4
60°	537.5	580.9	658.1	796.8	967.9	1055.4	963.0	813.7	700.1	625.8	574.0
62.5°	487.6	525.5	596.9	722.8	871.4	944.9	851.3	725.1	628.4	562.5	518.4
65°	412.1	446.4	509.5	607.6	729.5	778.6	698.0	595.7	520.7	471.6	442.2
67.5°	343.1	372.3	426.8	504.0	593.7	629.5	568.1	488.9	432.4	393.0	369.6
70°	297.1	322.4	365.2	431.7	513.0	540.3	482.9	417.7	376.3	344.8	323.1
72.5°	258.4	277.0	315.8	367.2	435.1	456.8	416.7	359.4	320.8	297.1	279.9
75°	196.9	212.3	237.6	278.9	325.9	338.5	308.4	272.6	246.6	229.9	216.5
77.5°	142.0	153.4	171.6	197.1	229.6	240.9	221.9	198.0	179.1	167.7	160.3
80°	107.2	116.4	131.8	152.8	172.4	178.7	167.5	149.3	136.0	129.7	123.3
82.5°	79.2	84.4	93.6	107.9	121.4	128.9	119.3	108.3	101.2	95.4	93.1
85°	39.9	42.7	47.0	52.5	61.0	63.8	60.3	57.4	53.2	49.8	49.8
87.5°	15.0	15.3	17.3	18.7	21.3	23.4	23.2	22.4	22.2	21.8	21.3
90°	2.1	3.6	5.1	6.5	8.2	10.2	12.0	14.0	15.9	16.5	17.0
92.5°	17.0	18.0	19.0	20.0	21.0	22.1	23.3	24.3	25.4	25.9	26.4
95°	40.0	41.1	42.2	43.2	44.2	45.5	46.6	47.8	49.0	49.6	50.1
97.5°	70.1	70.9	71.7	72.4	73.2	74.1	74.9	75.8	76.7	77.3	78.0
100°	90.9	91.8	92.6	93.5	94.3	95.1	95.9	96.6	97.3	97.7	98.2
102.5°	114.4	114.9	115.4	115.9	116.7	117.7	118.7	119.6	120.6	121.0	121.5
105°	149.2	149.5	149.8	150.1	150.9	152.2	153.6	154.9	156.2	156.2	156.2
107.5°	189.8	190.0	190.2	190.4	190.7	191.3	191.8	192.3	192.9	193.3	193.8
110°	215.4	215.7	216.0	216.2	216.6	216.9	217.1	217.5	217.8	218.4	218.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	241.7	241.9	242.1	242.3	242.4	242.5	242.5	242.5	242.6	243.3	244.1
115°	281.7	282.1	282.6	283.0	283.1	282.9	282.6	282.2	282.0	282.1	282.2
117.5°	321.6	321.8	322.2	322.4	322.4	322.0	321.6	321.3	320.8	320.8	320.8
120°	347.1	347.9	348.8	349.7	349.7	349.0	348.3	347.6	346.8	346.7	346.5
122.5°	372.7	373.4	374.1	374.7	374.8	374.4	374.1	373.7	373.3	372.9	372.6
125°	412.1	412.6	413.0	413.5	413.5	413.2	413.0	412.6	412.3	411.8	411.2
127.5°	449.2	450.1	451.0	452.0	452.3	452.0	451.7	451.3	451.0	450.1	449.3
130°	473.8	474.9	476.1	477.2	477.7	477.2	476.8	476.4	475.9	475.3	474.7
132.5°	498.1	499.3	500.4	501.7	502.0	501.8	501.4	501.1	500.8	500.1	499.4
135°	535.0	535.9	536.8	537.6	538.1	537.9	537.7	537.6	537.4	536.8	536.3
137.5°	569.3	570.0	570.8	571.5	572.0	572.4	572.8	573.2	573.5	572.9	572.3
140°	593.1	593.9	594.6	595.3	595.8	595.9	596.0	596.2	596.4	596.2	596.0
142.5°	614.8	615.5	616.3	617.0	617.5	617.8	618.0	618.3	618.6	618.4	618.3
145°	648.3	648.5	648.8	649.2	649.5	650.0	650.4	650.9	651.3	651.1	650.9
147.5°	678.1	678.7	679.2	679.8	680.2	680.6	681.0	681.4	681.9	681.9	681.9
150°	698.6	698.8	699.2	699.5	699.7	700.0	700.3	700.6	700.9	700.9	700.9
152.5°	715.6	716.0	716.5	716.8	717.1	717.3	717.5	717.6	717.8	718.1	718.4
155°	742.0	742.0	742.0	742.0	742.0	742.2	742.3	742.4	742.6	743.2	743.8
157.5°	764.6	764.4	764.2	764.0	764.0	764.1	764.2	764.4	764.5	765.1	765.7
160°	778.7	778.5	778.1	777.8	777.7	777.7	777.7	777.7	777.7	778.5	779.2
162.5°	791.3	790.9	790.5	790.1	790.0	790.1	790.1	790.3	790.4	791.1	791.8
165°	807.7	807.3	806.8	806.4	806.1	806.1	806.1	806.1	806.1	807.0	807.9
167.5°	820.6	820.1	819.5	818.9	818.7	818.8	818.9	819.0	819.1	820.0	820.9
170°	828.0	827.5	826.9	826.3	826.0	826.0	826.0	826.0	826.0	827.1	828.0
172.5°	833.9	833.3	832.7	832.1	831.8	831.8	831.8	831.8	831.8	832.8	833.7
175°	840.0	839.4	838.8	838.2	837.9	837.9	837.9	837.9	837.9	838.8	839.7
177.5°	842.6	842.1	841.7	841.2	841.0	841.0	841.0	841.0	841.0	841.7	842.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4	1446.4
2.5°	1522.2	1522.7	1528.9	1533.4	1531.2	1533.9	1535.1
5°	1663.0	1688.3	1701.6	1711.4	1712.1	1712.8	1718.4
7.5°	1862.8	1889.8	1909.6	1939.6	1948.6	1958.7	1955.8
10°	2008.6	2048.4	2082.9	2101.0	2120.7	2149.4	2126.3
12.5°	2144.7	2215.5	2267.8	2296.2	2314.6	2320.4	2309.1
15°	2369.5	2461.9	2511.7	2510.3	2573.4	2600.8	2558.0
17.5°	2575.5	2660.9	2729.3	2764.3	2816.8	2828.5	2823.2
20°	2701.6	2794.9	2848.1	2908.4	2935.7	2960.2	2964.4
22.5°	2810.4	2894.0	2951.3	3001.4	3024.3	3035.9	3043.0
25°	2922.4	2988.3	3022.6	3040.1	3046.4	3045.0	3035.9
27.5°	2914.6	2919.7	2881.9	2844.7	2811.6	2774.1	2761.2
30°	2839.0	2780.1	2675.0	2615.5	2527.8	2458.4	2486.4
32.5°	2640.0	2522.8	2404.8	2274.6	2166.8	2136.1	2105.2
35°	2253.1	2047.1	1926.5	1786.4	1730.3	1674.3	1635.7
37.5°	1822.8	1663.5	1520.5	1428.8	1372.6	1337.1	1318.1
40°	1576.1	1432.4	1314.7	1240.5	1197.7	1157.7	1152.2
42.5°	1379.4	1245.8	1157.2	1098.1	1056.9	1040.0	1027.7
45°	1129.7	1036.5	977.0	934.9	907.6	897.1	883.1
47.5°	956.2	890.3	845.6	817.0	796.4	788.5	787.5
50°	859.2	804.5	771.6	749.1	733.1	730.2	719.1
52.5°	786.3	739.0	713.3	693.7	682.1	674.2	670.8
55°	682.6	651.0	627.9	616.7	607.6	599.9	599.9
57.5°	597.3	570.9	555.6	546.1	543.2	537.8	534.3
60°	544.6	522.1	510.2	501.8	496.1	496.9	490.5
62.5°	492.9	478.4	467.0	458.6	451.9	452.0	452.5
65°	419.8	408.6	400.2	397.3	393.2	388.3	389.7
67.5°	355.7	345.2	338.7	333.9	332.4	329.8	333.9
70°	309.8	302.0	297.1	292.9	291.5	292.2	295.8
72.5°	267.7	262.3	259.0	257.1	254.0	254.1	256.5
75°	210.3	206.1	203.2	201.2	200.5	200.5	200.5
77.5°	154.4	153.5	152.2	149.1	149.3	150.1	150.3
80°	122.0	119.8	119.1	117.7	115.7	114.2	117.7
82.5°	91.1	89.0	88.3	88.0	84.8	84.5	87.5
85°	49.0	47.0	47.6	47.0	47.0	46.3	46.3
87.5°	20.9	20.5	20.0	20.6	20.2	19.6	20.8
90°	17.7	18.3	18.6	19.0	19.3	19.5	19.9
92.5°	26.8	27.3	27.5	27.3	27.1	26.9	26.8
95°	50.7	51.4	51.6	51.6	51.6	51.6	51.6
97.5°	78.6	79.4	79.6	79.6	79.5	79.5	79.5
100°	98.6	99.1	99.4	99.7	100.0	100.3	100.6
102.5°	121.9	122.3	122.5	122.5	122.4	122.3	122.3
105°	156.2	156.2	156.3	156.7	156.9	157.2	157.6
107.5°	194.3	194.7	194.9	194.7	194.6	194.4	194.2
110°	219.5	220.1	220.3	220.0	219.6	219.4	219.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	244.8	245.5	245.8	245.8	245.7	245.6	245.6
115°	282.4	282.6	282.6	282.4	282.2	282.1	282.0
117.5°	320.7	320.7	320.6	320.1	319.7	319.3	318.9
120°	346.3	346.3	346.0	345.7	345.4	345.1	344.8
122.5°	372.1	371.8	371.4	371.0	370.5	370.1	369.7
125°	410.5	410.0	409.4	408.8	408.2	407.6	407.1
127.5°	448.5	447.7	446.9	446.3	445.6	445.0	444.3
130°	474.1	473.5	472.7	471.7	470.6	469.7	468.6
132.5°	498.6	497.9	497.2	496.4	495.6	494.8	494.0
135°	535.7	535.1	534.7	534.3	534.0	533.8	533.4
137.5°	571.7	571.1	570.5	570.0	569.4	568.8	568.3
140°	595.9	595.8	595.1	594.1	593.1	592.1	591.0
142.5°	618.1	618.0	617.5	616.7	615.9	615.1	614.3
145°	650.9	650.7	650.3	649.7	649.2	648.5	648.0
147.5°	681.9	681.9	681.4	680.6	679.7	678.8	677.9
150°	700.9	700.9	700.4	699.5	698.7	697.9	697.0
152.5°	718.5	718.8	718.5	717.7	717.0	716.2	715.5
155°	744.4	744.9	744.8	743.7	742.7	741.6	740.7
157.5°	766.3	767.0	766.8	766.0	765.2	764.4	763.5
160°	779.9	780.6	780.7	780.2	779.5	778.9	778.4
162.5°	792.6	793.4	793.3	792.3	791.4	790.4	789.4
165°	808.8	809.7	809.6	808.6	807.5	806.6	805.5
167.5°	821.9	822.8	822.8	821.9	820.9	820.0	819.1
170°	829.1	830.1	830.1	829.1	828.0	827.1	826.0
172.5°	834.6	835.4	835.4	834.4	833.4	832.3	831.3
175°	840.5	841.4	841.4	840.3	839.3	838.3	837.2
177.5°	843.1	843.8	843.7	842.9	842.0	841.2	840.4
180°	842.6	842.6	842.6	842.6	842.6	842.6	842.6

(END OF REPORT)