

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: P331394-830

Luminaire Tested: **SA2XXDIP-C865D725U830-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331394-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C865D725U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

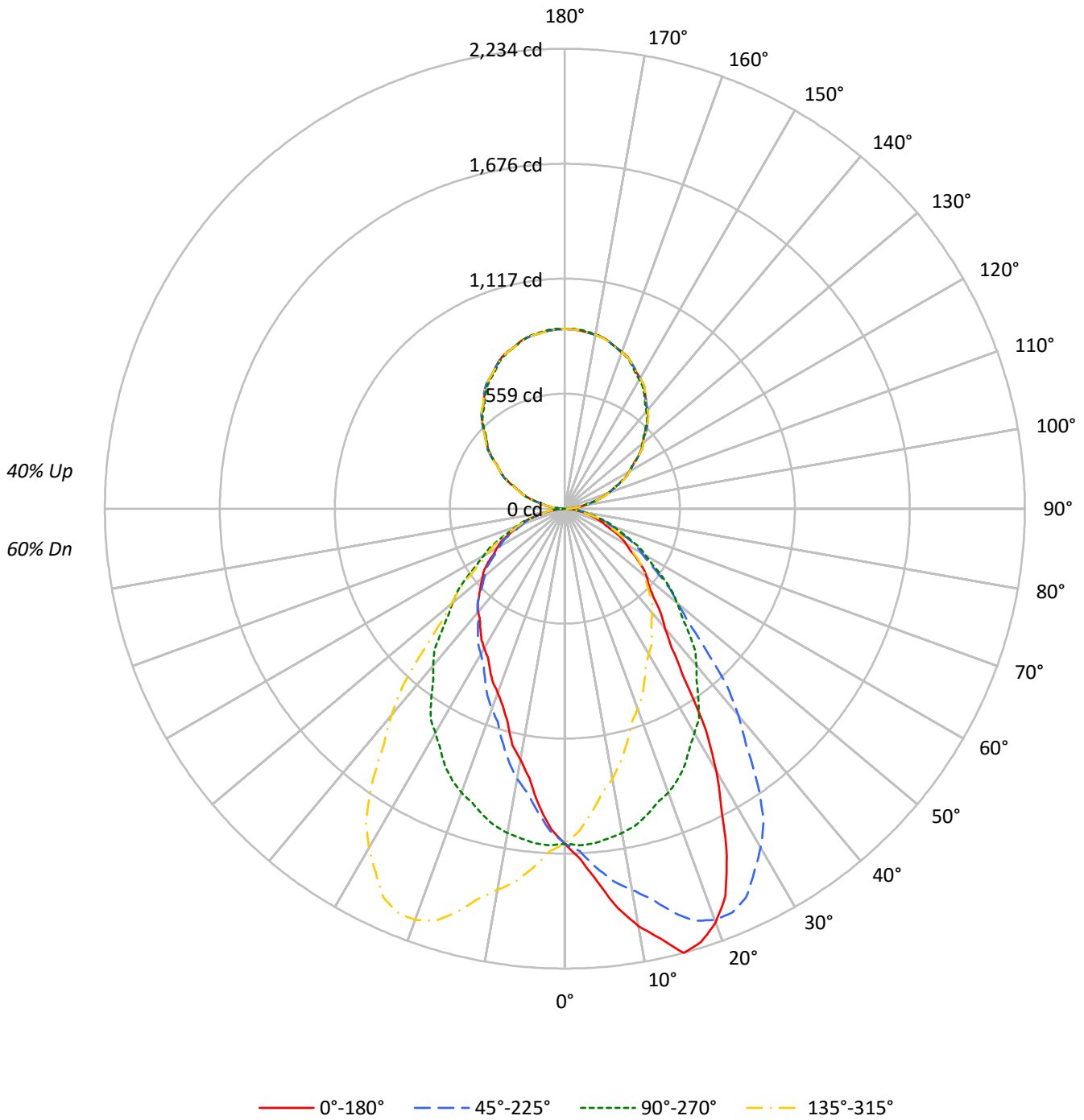
Lumens per Lamp: N/A  
Luminaire Lumens: 6034.9 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 54.4  
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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	79	74	70	70	66	62	60	57	55	52	50	48	44
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	41	38
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	42	39	36	33
5	71	60	52	46	67	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	62	51	44	39	45	39	35	40	35	32	35	31	28	26
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	26	23
8	57	45	37	32	53	42	35	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17

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

	0°	90°	180°	270°
0°	26274	26274	26274	26274
5°	29457	26446	23436	26446
10°	33755	26230	20282	26230
15°	37342	25748	17919	25748
20°	36773	25232	16333	25232
25°	33157	24545	15330	24545
30°	27401	23448	14600	23448
35°	19969	22300	14079	22300
40°	15951	20946	13789	20946
45°	13938	19379	13394	19379
50°	13102	17862	13132	17862
55°	12076	16321	12780	16321
60°	11066	14683	12239	14683
65°	10082	13211	11706	13211
70°	9153	11783	10924	11783
75°	8116	10181	9676	10181
80°	6974	8433	7792	8433
85°	6243	6243	4631	6243



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.0	2.6
10°-20°	450.6	7.5
20°-30°	653.9	10.8
30°-40°	690.0	11.4
40°-50°	611.0	10.1
50°-60°	487.6	8.1
60°-70°	331.4	5.5
70°-80°	169.9	2.8
80°-90°	44.4	0.7
90°-100°	55.3	0.9
100°-110°	171.8	2.8
110°-120°	293.7	4.9
120°-130°	386.2	6.4
130°-140°	433.5	7.2
140°-150°	425.0	7.0
150°-160°	356.5	5.9
160°-170°	236.5	3.9
170°-180°	82.6	1.4
0°-30°	1259.4	20.9
0°-40°	1949.5	32.3
0°-60°	3048.0	50.5
0°-90°	3593.7	59.5
90°-120°	520.8	8.6
90°-150°	1765.5	29.3
90°-180°	2441.0	40.4
0°-180°	6034.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1627	1627	1627	1627	1627	
5°	1818	1632	1446	1632	1818	181
15°	2234	1540	1072	1540	2234	616
25°	1861	1378	860	1378	1861	841
35°	1013	1131	714	1131	1013	659
45°	610	849	587	849	610	480
55°	429	580	454	580	429	385
65°	264	346	306	346	264	262
75°	130	163	155	163	130	139
85°	34	34	25	34	34	38
90°	25	1	25	1	25	13
95°	46	38	46	38	46	51
105°	164	158	164	158	164	172
115°	295	295	295	295	295	291
125°	430	429	430	429	430	384
135°	561	555	561	555	561	432
145°	681	673	681	673	681	425
155°	776	770	776	770	776	357
165°	838	838	838	838	838	236
175°	869	872	869	872	869	83
180°	873	873	873	873	873	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1702.4	1702.9	1703.9	1695.9	1694.9	1694.9	1687.9	1681.9	1674.9	1665.4	1666.4
5°	1817.5	1824.4	1826.8	1819.4	1808.1	1806.9	1796.2	1778.7	1762.5	1749.3	1739.9
7.5°	1954.8	1957.6	1951.4	1941.5	1933.2	1918.2	1898.4	1879.1	1851.9	1827.0	1808.5
10°	2058.9	2062.7	2052.0	2037.6	2025.7	2008.2	1979.4	1950.0	1914.4	1880.0	1852.5
12.5°	2138.0	2147.2	2133.5	2131.7	2111.3	2087.3	2053.0	2038.2	1988.0	1940.0	1910.5
15°	2234.0	2233.4	2234.7	2222.7	2207.7	2203.9	2167.8	2128.4	2057.7	2029.5	1980.8
17.5°	2206.2	2215.7	2220.2	2220.0	2219.6	2217.2	2205.6	2180.8	2145.3	2099.7	2043.3
20°	2140.2	2152.7	2154.6	2169.0	2177.1	2187.7	2192.1	2185.2	2163.3	2125.2	2076.4
22.5°	2038.2	2041.6	2047.5	2069.9	2087.5	2114.2	2128.1	2151.2	2142.8	2124.2	2083.4
25°	1861.2	1855.0	1876.9	1888.1	1928.8	1971.3	2002.0	2035.7	2065.8	2083.9	2072.0
27.5°	1648.9	1639.5	1672.3	1702.1	1735.1	1781.2	1829.0	1885.4	1932.3	1990.9	2011.1
30°	1469.7	1475.4	1506.7	1538.5	1588.6	1653.6	1707.4	1769.3	1836.3	1901.9	1947.6
32.5°	1276.6	1298.3	1318.1	1366.9	1411.0	1483.5	1562.3	1639.7	1723.2	1797.8	1868.5
35°	1013.1	1038.2	1065.7	1101.4	1163.3	1235.2	1312.1	1416.5	1530.4	1632.4	1716.2
37.5°	852.8	848.9	864.6	890.3	940.5	998.5	1087.1	1190.3	1324.3	1444.1	1562.3
40°	756.8	754.2	765.5	789.3	827.5	870.0	947.5	1038.2	1162.6	1309.0	1449.7
42.5°	690.7	692.2	698.4	715.2	741.4	776.4	834.4	911.6	1025.6	1163.4	1314.7
45°	610.4	614.8	621.7	629.8	644.8	673.5	706.1	761.1	851.2	966.3	1115.1
47.5°	552.6	552.7	559.8	566.8	575.8	592.0	618.5	653.1	716.6	810.3	938.3
50°	521.6	517.3	522.3	527.8	537.2	548.5	566.0	598.5	641.0	716.7	823.7
52.5°	483.6	483.7	488.2	490.3	498.7	510.0	525.9	548.5	587.0	646.2	734.1
55°	429.0	432.2	434.7	438.4	445.9	454.0	466.6	481.5	511.6	556.0	621.0
57.5°	377.8	378.7	381.3	388.4	393.1	400.7	412.6	426.1	445.6	478.5	527.4
60°	342.7	342.7	347.7	350.8	357.1	364.6	374.0	387.1	404.6	431.5	471.0
62.5°	310.8	310.2	312.2	317.4	322.1	329.1	338.5	349.6	366.1	390.0	422.4
65°	263.9	262.7	266.5	267.7	272.7	279.6	287.1	299.0	312.1	329.6	358.4
67.5°	218.9	220.4	222.4	224.8	227.5	234.8	239.8	248.2	259.3	273.8	293.3
70°	193.9	193.9	193.9	195.8	199.5	203.3	208.3	215.2	225.7	238.3	255.8
72.5°	165.9	167.9	169.8	168.7	173.5	175.8	181.7	185.6	195.8	203.8	219.2
75°	130.1	130.1	130.1	133.2	135.1	137.0	140.7	144.5	149.5	159.5	167.6
77.5°	97.1	96.8	97.5	98.2	100.2	102.5	103.6	107.0	111.6	116.2	123.1
80°	75.0	76.3	76.9	78.1	78.1	79.5	80.0	84.5	87.6	90.7	95.1
82.5°	58.1	58.2	58.4	58.6	59.2	59.9	61.5	63.0	64.0	66.6	70.0
85°	33.7	33.2	33.2	34.4	33.7	33.7	35.1	36.3	36.3	36.9	38.7
87.5°	18.0	18.0	18.5	17.9	17.9	18.4	18.5	18.0	18.6	19.1	18.9
90°	25.1	24.9	24.7	24.6	24.4	24.5	24.8	25.2	25.4	25.8	22.1
92.5°	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.6	23.5	23.5	22.6
95°	45.7	46.0	46.4	46.7	47.0	47.1	47.1	47.1	47.1	47.1	46.8
97.5°	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	78.6
100°	100.9	101.1	101.2	101.4	101.6	101.7	101.7	101.7	101.7	101.7	101.1
102.5°	125.6	125.8	126.0	126.2	126.3	126.4	126.2	126.1	125.9	125.8	125.2
105°	163.5	163.5	163.5	163.5	163.5	163.4	163.1	162.8	162.4	162.1	161.7
107.5°	199.3	200.0	200.8	201.5	202.3	202.6	202.4	202.3	202.2	202.0	202.0
110°	226.9	227.4	227.9	228.4	228.8	229.1	229.1	229.1	229.1	229.1	229.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	253.4	253.8	254.1	254.5	254.9	255.2	255.6	256.0	256.5	256.8	256.9
115°	294.7	295.2	295.7	296.1	296.6	297.0	297.2	297.3	297.5	297.7	297.9
117.5°	334.0	334.5	335.0	335.5	336.0	336.4	336.9	337.2	337.6	338.0	338.9
120°	361.7	362.2	362.7	363.2	363.7	363.9	363.9	363.9	363.9	363.9	365.2
122.5°	388.9	389.2	389.6	389.9	390.3	390.7	391.1	391.4	391.8	392.2	393.1
125°	430.3	430.5	430.6	430.7	430.9	431.2	431.7	432.3	432.7	433.2	433.7
127.5°	468.0	468.5	469.0	469.6	470.0	470.6	471.2	471.8	472.4	473.0	473.5
130°	495.1	495.8	496.4	497.0	497.7	498.2	498.5	498.9	499.2	499.5	499.8
132.5°	521.0	521.5	522.1	522.5	523.1	523.8	524.4	525.2	525.9	526.6	526.5
135°	561.4	561.8	562.4	562.9	563.4	563.6	563.8	564.0	564.2	564.3	564.0
137.5°	597.9	598.6	599.3	599.9	600.6	601.0	601.1	601.2	601.3	601.4	601.1
140°	623.3	624.0	624.6	625.3	625.8	626.2	626.2	626.2	626.2	626.2	625.4
142.5°	646.3	647.0	647.5	648.2	648.8	649.1	649.0	648.8	648.8	648.7	648.1
145°	680.7	681.4	682.0	682.7	683.3	683.6	683.4	683.2	683.2	683.0	681.9
147.5°	711.5	712.2	712.8	713.4	714.1	714.2	713.8	713.4	713.0	712.8	712.1
150°	731.6	732.1	732.5	733.0	733.6	733.6	733.0	732.5	732.1	731.6	730.9
152.5°	750.5	751.0	751.7	752.3	752.9	752.9	752.3	751.7	751.0	750.5	749.6
155°	775.8	776.3	776.7	777.2	777.8	777.6	776.7	775.9	775.1	774.3	773.8
157.5°	797.6	798.3	799.2	799.9	800.7	800.6	799.5	798.3	797.2	796.1	795.8
160°	811.2	811.8	812.5	813.1	813.8	813.6	812.7	811.6	810.7	809.6	809.5
162.5°	822.9	823.7	824.5	825.3	826.0	826.0	824.8	823.7	822.6	821.4	821.3
165°	838.4	839.2	840.0	840.8	841.7	841.5	840.4	839.2	838.1	836.9	836.9
167.5°	851.1	852.0	852.8	853.7	854.5	854.3	853.2	852.1	850.9	849.7	849.8
170°	857.5	858.6	859.5	860.5	861.5	861.4	860.3	859.1	858.0	856.8	857.0
172.5°	862.9	863.8	864.8	865.8	866.8	866.7	865.5	864.4	863.3	862.1	862.3
175°	868.6	869.6	870.5	871.6	872.5	872.4	871.3	870.2	869.0	867.9	868.2
177.5°	871.3	872.0	872.8	873.6	874.4	874.4	873.6	872.8	872.0	871.3	871.5
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1669.9	1665.8	1663.4	1654.4	1646.3	1638.3	1635.9	1636.8	1625.9	1615.3	1610.8
5°	1734.9	1722.4	1710.5	1693.7	1673.7	1651.7	1640.5	1631.7	1609.9	1586.1	1572.3
7.5°	1793.2	1775.3	1752.5	1720.7	1691.5	1657.1	1635.2	1615.8	1583.8	1550.3	1529.7
10°	1828.7	1804.3	1774.9	1736.2	1700.5	1658.6	1629.2	1599.9	1562.3	1522.3	1497.2
12.5°	1859.3	1826.4	1797.4	1747.7	1705.5	1653.1	1618.3	1576.8	1537.3	1489.8	1465.3
15°	1931.9	1871.2	1816.2	1759.9	1708.0	1634.8	1596.1	1540.4	1488.5	1429.7	1401.6
17.5°	1988.1	1920.0	1833.2	1761.7	1701.1	1620.1	1563.2	1496.5	1435.1	1367.9	1329.6
20°	2020.2	1941.9	1848.7	1763.7	1691.1	1598.6	1536.6	1468.5	1396.6	1320.9	1279.6
22.5°	2039.1	1956.9	1864.7	1756.1	1671.1	1581.0	1503.2	1428.4	1355.6	1273.8	1230.6
25°	2045.1	1970.1	1872.5	1749.9	1646.2	1544.2	1450.4	1377.8	1289.6	1213.3	1150.2
27.5°	2015.3	1961.5	1867.7	1738.1	1617.2	1498.0	1393.5	1311.3	1218.2	1135.4	1071.9
30°	1978.9	1947.6	1856.2	1726.2	1594.2	1466.0	1350.9	1257.7	1165.2	1081.4	1016.3
32.5°	1922.3	1915.5	1835.2	1709.1	1569.7	1425.5	1306.4	1212.2	1109.7	1027.3	965.3
35°	1811.2	1841.3	1790.5	1671.1	1523.5	1367.8	1239.0	1131.4	1025.1	946.2	888.1
37.5°	1662.4	1736.9	1723.6	1615.4	1461.2	1305.0	1162.8	1050.4	949.0	869.5	812.4
40°	1559.8	1654.8	1668.6	1572.9	1417.2	1256.5	1105.8	993.8	894.9	822.5	764.9
42.5°	1449.7	1560.8	1598.6	1521.9	1369.1	1205.4	1054.7	938.8	840.9	770.4	719.3
45°	1265.3	1412.2	1480.4	1436.6	1289.0	1121.3	966.3	848.7	759.9	693.6	654.2
47.5°	1092.7	1253.3	1345.0	1329.6	1199.8	1033.8	880.4	767.6	681.2	628.3	593.0
50°	970.6	1135.8	1246.4	1251.5	1135.8	971.3	817.5	711.1	631.7	582.3	553.5
52.5°	864.6	1022.2	1142.9	1169.4	1064.2	906.3	760.9	655.1	585.1	539.7	514.0
55°	726.1	859.3	993.2	1042.0	957.5	807.4	673.0	579.8	514.1	482.9	460.3
57.5°	603.7	714.7	838.3	892.2	840.2	711.7	585.6	504.7	451.4	424.0	406.8
60°	539.1	626.7	736.8	801.2	756.1	641.7	531.6	454.7	410.9	386.5	370.2
62.5°	479.1	556.7	649.7	708.6	684.1	576.2	477.6	409.6	371.8	349.0	337.2
65°	395.3	456.6	528.5	582.9	566.7	484.7	404.1	345.8	315.8	297.7	288.3
67.5°	325.5	369.8	419.6	467.3	454.2	396.2	331.3	286.1	263.7	248.1	242.4
70°	281.4	315.2	359.6	397.8	387.1	339.6	288.3	249.6	230.2	217.1	211.4
72.5°	239.4	267.2	301.0	332.2	325.1	285.6	242.8	213.5	198.6	186.5	181.9
75°	180.8	202.0	222.6	243.3	241.4	210.8	185.8	163.2	151.4	141.9	140.1
77.5°	133.5	145.3	159.4	171.6	168.2	150.7	131.1	118.2	109.4	103.2	102.2
80°	102.0	108.9	118.9	127.6	123.2	115.7	100.1	90.7	84.5	78.1	75.7
82.5°	73.9	80.8	86.8	91.5	88.2	81.2	71.5	65.1	61.5	57.1	56.2
85°	38.7	42.5	45.1	46.3	45.1	40.6	36.3	33.7	30.6	28.7	28.2
87.5°	18.8	18.0	17.2	17.7	15.8	15.5	13.0	11.1	11.0	10.9	10.4
90°	18.6	15.0	11.4	8.6	6.6	4.7	2.7	0.8	2.7	4.7	6.6
92.5°	21.7	20.8	20.0	18.9	17.4	16.0	14.5	13.1	14.5	16.0	17.4
95°	46.5	46.2	45.8	44.9	43.3	41.6	40.0	38.3	40.0	41.6	43.3
97.5°	78.0	77.4	76.8	75.8	74.3	72.9	71.4	70.0	71.4	72.9	74.3
100°	100.7	100.2	99.7	98.8	97.5	96.1	94.9	93.6	94.9	96.1	97.5
102.5°	124.6	123.9	123.4	122.5	121.5	120.5	119.3	118.3	119.3	120.5	121.5
105°	161.5	161.1	160.8	160.3	159.9	159.4	158.9	158.4	158.9	159.4	159.9
107.5°	202.0	202.0	202.0	201.6	201.0	200.2	199.5	198.8	199.5	200.2	201.0
110°	229.1	229.1	229.1	228.7	227.6	226.7	225.6	224.7	225.6	226.7	227.6





TEST NUMBER: P331394-830

CATALOG NUMBER: SA2XXDIP-C865D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	257.1	257.2	257.3	256.9	255.9	255.0	254.0	253.0	254.0	255.0	255.9
115°	298.3	298.6	299.0	298.6	297.7	296.6	295.7	294.7	295.7	296.6	297.7
117.5°	339.9	340.7	341.7	341.5	340.2	338.8	337.5	336.2	337.5	338.8	340.2
120°	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9	365.2	366.6	367.9
122.5°	394.1	395.0	395.9	395.6	394.0	392.5	390.9	389.3	390.9	392.5	394.0
125°	434.1	434.7	435.2	434.7	433.2	431.7	430.3	428.8	430.3	431.7	433.2
127.5°	474.2	474.8	475.3	474.7	472.9	471.0	469.1	467.2	469.1	471.0	472.9
130°	500.1	500.5	500.8	499.9	497.8	495.7	493.5	491.4	493.5	495.7	497.8
132.5°	526.5	526.4	526.3	525.5	523.7	522.0	520.3	518.5	520.3	522.0	523.7
135°	563.6	563.4	563.0	561.9	560.2	558.4	556.6	554.8	556.6	558.4	560.2
137.5°	600.6	600.2	599.7	598.8	597.4	595.9	594.4	593.0	594.4	595.9	597.4
140°	624.6	623.8	622.9	621.8	620.3	618.9	617.4	616.0	617.4	618.9	620.3
142.5°	647.5	647.0	646.4	645.4	643.9	642.4	640.9	639.5	640.9	642.4	643.9
145°	681.0	680.0	679.0	678.0	676.8	675.7	674.5	673.4	674.5	675.7	676.8
147.5°	711.4	710.8	710.1	709.1	707.7	706.3	704.9	703.6	704.9	706.3	707.7
150°	730.3	729.6	729.0	728.1	727.2	726.1	725.2	724.2	725.2	726.1	727.2
152.5°	748.9	748.1	747.2	746.4	745.5	744.4	743.5	742.4	743.5	744.4	745.5
155°	773.4	772.8	772.3	771.8	771.4	770.9	770.3	769.9	770.3	770.9	771.4
157.5°	795.5	795.2	794.9	794.7	794.3	794.0	793.6	793.3	793.6	794.0	794.3
160°	809.4	809.2	809.0	808.8	808.4	808.1	807.8	807.5	807.8	808.1	808.4
162.5°	821.1	821.0	820.8	820.7	820.6	820.6	820.5	820.4	820.5	820.6	820.6
165°	836.9	836.9	836.9	837.0	837.2	837.4	837.5	837.6	837.5	837.4	837.2
167.5°	849.8	849.9	849.9	850.2	850.6	851.1	851.6	852.1	851.6	851.1	850.6
170°	857.1	857.3	857.4	857.8	858.3	858.8	859.3	859.8	859.3	858.8	858.3
172.5°	862.4	862.6	862.8	863.1	863.6	864.1	864.6	865.1	864.6	864.1	863.6
175°	868.6	868.8	869.2	869.6	870.1	870.5	871.1	871.6	871.1	870.5	870.1
177.5°	871.8	872.0	872.3	872.6	873.0	873.5	873.8	874.2	873.8	873.5	873.0
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331394-830

CATALOG NUMBER: SA2XXDIP-C865D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1605.8	1602.8	1592.3	1586.9	1577.8	1569.3	1563.8	1566.3	1568.3	1567.3	1565.8
5°	1559.8	1547.9	1529.7	1514.1	1502.9	1482.2	1473.5	1469.1	1465.4	1460.9	1456.6
7.5°	1505.1	1486.3	1460.2	1437.9	1416.9	1391.3	1376.7	1367.9	1359.0	1349.1	1340.3
10°	1466.0	1439.7	1412.2	1380.9	1355.9	1332.8	1312.1	1298.4	1285.9	1273.9	1265.3
12.5°	1424.9	1394.7	1360.7	1317.9	1290.3	1257.3	1254.1	1229.8	1210.3	1203.0	1192.7
15°	1359.7	1317.1	1273.9	1223.3	1201.5	1171.4	1152.6	1133.9	1117.0	1105.1	1102.0
17.5°	1285.5	1230.5	1187.5	1151.1	1115.2	1084.5	1067.2	1052.3	1038.3	1022.5	1020.3
20°	1229.0	1181.4	1134.5	1102.6	1065.7	1034.4	1013.1	998.2	986.3	976.9	968.7
22.5°	1175.4	1123.4	1080.4	1045.6	1009.2	983.9	967.1	952.6	942.7	932.4	924.7
25°	1089.5	1048.9	1001.9	962.5	932.5	916.2	902.5	889.9	883.7	876.8	868.1
27.5°	1014.3	969.1	925.3	894.8	868.4	853.9	844.2	835.7	829.8	825.8	820.8
30°	961.3	915.6	881.2	851.2	829.3	814.9	808.7	803.7	796.8	794.3	791.8
32.5°	910.2	869.1	839.7	813.7	792.8	783.4	777.7	773.2	767.8	765.3	760.3
35°	838.1	803.7	774.9	760.5	743.7	735.5	731.1	724.9	719.8	717.4	716.7
37.5°	770.2	740.3	721.3	702.9	695.7	690.7	684.8	680.4	678.9	678.5	678.0
40°	726.1	701.7	684.9	669.9	666.7	659.2	654.2	650.4	650.4	651.1	650.4
42.5°	686.1	664.2	649.3	636.3	632.6	628.2	623.2	622.9	624.0	626.0	624.0
45°	625.4	609.8	599.2	592.9	586.0	581.6	581.0	582.9	583.5	584.2	586.0
47.5°	569.7	559.2	549.6	542.7	539.7	538.9	538.2	541.5	544.5	545.6	548.5
50°	536.6	524.7	516.6	512.2	509.7	508.5	509.7	513.5	515.9	519.1	520.9
52.5°	499.5	491.2	485.6	482.2	481.2	481.9	482.2	486.4	490.5	491.5	492.5
55°	448.5	442.1	440.9	435.3	437.8	437.2	440.3	442.8	446.6	450.3	450.9
57.5°	397.4	392.4	389.0	389.6	390.3	393.0	395.7	400.0	404.1	408.0	408.4
60°	363.4	360.9	359.0	359.0	360.2	364.0	367.1	371.5	374.0	376.5	378.3
62.5°	332.3	329.9	328.0	328.9	332.2	334.5	338.1	340.4	343.0	345.4	346.4
65°	283.3	282.1	284.0	285.2	285.8	289.0	293.3	295.2	297.7	299.0	303.3
67.5°	238.2	238.4	238.2	239.9	243.6	244.3	248.5	252.8	253.3	255.7	258.5
70°	207.6	208.9	210.2	211.4	214.5	215.7	218.9	220.7	223.3	225.2	227.1
72.5°	179.6	179.8	181.2	180.9	183.5	186.2	188.9	190.8	193.2	195.7	197.5
75°	138.2	138.2	139.5	140.1	143.3	146.4	145.7	146.9	149.5	151.9	153.3
77.5°	100.9	99.5	100.9	101.6	102.5	105.2	105.7	107.4	110.3	109.4	110.8
80°	76.9	75.0	76.9	77.6	77.6	80.7	80.7	81.9	83.8	81.9	83.8
82.5°	55.0	54.0	55.4	55.5	56.6	56.6	57.7	57.9	59.8	58.9	59.8
85°	27.5	26.9	27.5	26.9	27.5	28.2	28.2	27.5	27.5	28.7	26.9
87.5°	10.2	10.3	10.5	11.2	11.4	11.7	11.1	11.0	10.9	9.9	9.9
90°	8.6	11.4	15.0	18.6	22.1	25.8	25.4	25.2	24.8	24.5	24.4
92.5°	18.9	20.0	20.8	21.7	22.6	23.5	23.5	23.6	23.7	23.7	23.8
95°	44.9	45.8	46.2	46.5	46.8	47.1	47.1	47.1	47.1	47.1	47.0
97.5°	75.8	76.8	77.4	78.0	78.6	79.3	79.3	79.3	79.3	79.3	79.3
100°	98.8	99.7	100.2	100.7	101.1	101.7	101.7	101.7	101.7	101.7	101.6
102.5°	122.5	123.4	123.9	124.6	125.2	125.8	125.9	126.1	126.2	126.4	126.3
105°	160.3	160.8	161.1	161.5	161.7	162.1	162.4	162.8	163.1	163.4	163.5
107.5°	201.6	202.0	202.0	202.0	202.0	202.0	202.2	202.3	202.4	202.6	202.3
110°	228.7	229.1	229.1	229.1	229.1	229.1	229.1	229.1	229.1	229.1	228.8



TEST NUMBER: P331394-830

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	256.9	257.3	257.2	257.1	256.9	256.8	256.5	256.0	255.6	255.2	254.9
115°	298.6	299.0	298.6	298.3	297.9	297.7	297.5	297.3	297.2	297.0	296.6
117.5°	341.5	341.7	340.7	339.9	338.9	338.0	337.6	337.2	336.9	336.4	336.0
120°	369.2	369.2	367.9	366.6	365.2	363.9	363.9	363.9	363.9	363.9	363.7
122.5°	395.6	395.9	395.0	394.1	393.1	392.2	391.8	391.4	391.1	390.7	390.3
125°	434.7	435.2	434.7	434.1	433.7	433.2	432.7	432.3	431.7	431.2	430.9
127.5°	474.7	475.3	474.8	474.2	473.5	473.0	472.4	471.8	471.2	470.6	470.0
130°	499.9	500.8	500.5	500.1	499.8	499.5	499.2	498.9	498.5	498.2	497.7
132.5°	525.5	526.3	526.4	526.5	526.5	526.6	525.9	525.2	524.4	523.8	523.1
135°	561.9	563.0	563.4	563.6	564.0	564.3	564.2	564.0	563.8	563.6	563.4
137.5°	598.8	599.7	600.2	600.6	601.1	601.4	601.3	601.2	601.1	601.0	600.6
140°	621.8	622.9	623.8	624.6	625.4	626.2	626.2	626.2	626.2	626.2	625.8
142.5°	645.4	646.4	647.0	647.5	648.1	648.7	648.8	648.8	649.0	649.1	648.8
145°	678.0	679.0	680.0	681.0	681.9	683.0	683.2	683.2	683.4	683.6	683.3
147.5°	709.1	710.1	710.8	711.4	712.1	712.8	713.0	713.4	713.8	714.2	714.1
150°	728.1	729.0	729.6	730.3	730.9	731.6	732.1	732.5	733.0	733.6	733.6
152.5°	746.4	747.2	748.1	748.9	749.6	750.5	751.0	751.7	752.3	752.9	752.9
155°	771.8	772.3	772.8	773.4	773.8	774.3	775.1	775.9	776.7	777.6	777.8
157.5°	794.7	794.9	795.2	795.5	795.8	796.1	797.2	798.3	799.5	800.6	800.7
160°	808.8	809.0	809.2	809.4	809.5	809.6	810.7	811.6	812.7	813.6	813.8
162.5°	820.7	820.8	821.0	821.1	821.3	821.4	822.6	823.7	824.8	826.0	826.0
165°	837.0	836.9	836.9	836.9	836.9	836.9	838.1	839.2	840.4	841.5	841.7
167.5°	850.2	849.9	849.9	849.8	849.8	849.7	850.9	852.1	853.2	854.3	854.5
170°	857.8	857.4	857.3	857.1	857.0	856.8	858.0	859.1	860.3	861.4	861.5
172.5°	863.1	862.8	862.6	862.4	862.3	862.1	863.3	864.4	865.5	866.7	866.8
175°	869.6	869.2	868.8	868.6	868.2	867.9	869.0	870.2	871.3	872.4	872.5
177.5°	872.6	872.3	872.0	871.8	871.5	871.3	872.0	872.8	873.6	874.4	874.4
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331394-830

CATALOG NUMBER: SA2XXDIP-C865D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1560.8	1559.8	1559.8	1555.3	1559.8	1559.8	1560.8	1565.8	1567.3	1568.3	1566.3
5°	1447.8	1446.0	1442.8	1446.0	1442.8	1446.0	1447.8	1456.6	1460.9	1465.4	1469.1
7.5°	1336.1	1328.6	1327.5	1320.1	1327.5	1328.6	1336.1	1340.3	1349.1	1359.0	1367.9
10°	1254.6	1249.6	1249.0	1237.1	1249.0	1249.6	1254.6	1265.3	1273.9	1285.9	1298.4
12.5°	1192.6	1180.5	1182.9	1176.0	1182.9	1180.5	1192.6	1192.7	1203.0	1210.3	1229.8
15°	1085.1	1085.1	1082.6	1072.0	1082.6	1085.1	1085.1	1102.0	1105.1	1117.0	1133.9
17.5°	1008.0	1006.6	1000.7	1003.7	1000.7	1006.6	1008.0	1020.3	1022.5	1038.3	1052.3
20°	961.9	958.2	950.6	950.6	950.6	958.2	961.9	968.7	976.9	986.3	998.2
22.5°	918.4	918.1	910.1	912.6	910.1	918.1	918.4	924.7	932.4	942.7	952.6
25°	867.4	862.4	858.8	860.5	858.8	862.4	867.4	868.1	876.8	883.7	889.9
27.5°	819.2	816.4	816.1	811.1	816.1	816.4	819.2	820.8	825.8	829.8	835.7
30°	791.2	784.9	786.2	783.1	786.2	784.9	791.2	791.8	794.3	796.8	803.7
32.5°	759.1	756.9	755.6	753.0	755.6	756.9	759.1	760.3	765.3	767.8	773.2
35°	715.5	716.1	712.9	714.3	712.9	716.1	715.5	716.7	717.4	719.8	724.9
37.5°	677.3	679.3	677.9	678.3	677.9	679.3	677.3	678.0	678.5	678.9	680.4
40°	652.3	652.3	652.3	654.2	652.3	652.3	652.3	650.4	651.1	650.4	650.4
42.5°	628.3	627.3	626.3	626.1	626.3	627.3	628.3	624.0	626.0	624.0	622.9
45°	587.3	589.2	589.7	586.6	589.7	589.2	587.3	586.0	584.2	583.5	582.9
47.5°	550.2	550.4	550.2	552.9	550.2	550.4	550.2	548.5	545.6	544.5	541.5
50°	524.1	522.8	524.1	522.8	524.1	522.8	524.1	520.9	519.1	515.9	513.5
52.5°	496.6	496.8	496.1	495.9	496.1	496.8	496.6	492.5	491.5	490.5	486.4
55°	453.5	454.7	454.0	454.0	454.0	454.7	453.5	450.9	450.3	446.6	442.8
57.5°	408.8	409.9	410.8	408.0	410.8	409.9	408.8	408.4	408.0	404.1	400.0
60°	377.8	380.9	380.2	379.0	380.2	380.9	377.8	378.3	376.5	374.0	371.5
62.5°	349.2	350.3	350.2	350.0	350.2	350.3	349.2	346.4	345.4	343.0	340.4
65°	305.2	306.4	304.5	306.4	304.5	306.4	305.2	303.3	299.0	297.7	295.2
67.5°	257.8	258.2	259.6	260.4	259.6	258.2	257.8	258.5	255.7	253.3	252.8
70°	228.3	227.6	229.5	231.4	229.5	227.6	228.3	227.1	225.2	223.3	220.7
72.5°	197.3	198.6	198.0	199.3	198.0	198.6	197.3	197.5	195.7	193.2	190.8
75°	151.9	153.8	153.3	155.1	153.3	153.8	151.9	153.3	151.9	149.5	146.9
77.5°	109.8	110.1	109.8	110.8	109.8	110.1	109.8	110.8	109.4	110.3	107.4
80°	83.8	82.6	81.3	83.8	81.3	82.6	83.8	83.8	81.9	83.8	81.9
82.5°	58.2	59.0	57.8	57.8	57.8	59.0	58.2	59.8	58.9	59.8	57.9
85°	26.9	26.3	25.0	25.0	25.0	26.3	26.9	26.9	28.7	27.5	27.5
87.5°	9.9	9.4	9.5	9.0	9.5	9.4	9.9	9.9	9.9	10.9	11.0
90°	24.6	24.7	24.9	25.1	24.9	24.7	24.6	24.4	24.5	24.8	25.2
92.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.6
95°	46.7	46.4	46.0	45.7	46.0	46.4	46.7	47.0	47.1	47.1	47.1
97.5°	79.3	79.2	79.2	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3
100°	101.4	101.2	101.1	100.9	101.1	101.2	101.4	101.6	101.7	101.7	101.7
102.5°	126.2	126.0	125.8	125.6	125.8	126.0	126.2	126.3	126.4	126.2	126.1
105°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.4	163.1	162.8
107.5°	201.5	200.8	200.0	199.3	200.0	200.8	201.5	202.3	202.6	202.4	202.3
110°	228.4	227.9	227.4	226.9	227.4	227.9	228.4	228.8	229.1	229.1	229.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	254.5	254.1	253.8	253.4	253.8	254.1	254.5	254.9	255.2	255.6	256.0
115°	296.1	295.7	295.2	294.7	295.2	295.7	296.1	296.6	297.0	297.2	297.3
117.5°	335.5	335.0	334.5	334.0	334.5	335.0	335.5	336.0	336.4	336.9	337.2
120°	363.2	362.7	362.2	361.7	362.2	362.7	363.2	363.7	363.9	363.9	363.9
122.5°	389.9	389.6	389.2	388.9	389.2	389.6	389.9	390.3	390.7	391.1	391.4
125°	430.7	430.6	430.5	430.3	430.5	430.6	430.7	430.9	431.2	431.7	432.3
127.5°	469.6	469.0	468.5	468.0	468.5	469.0	469.6	470.0	470.6	471.2	471.8
130°	497.0	496.4	495.8	495.1	495.8	496.4	497.0	497.7	498.2	498.5	498.9
132.5°	522.5	522.1	521.5	521.0	521.5	522.1	522.5	523.1	523.8	524.4	525.2
135°	562.9	562.4	561.8	561.4	561.8	562.4	562.9	563.4	563.6	563.8	564.0
137.5°	599.9	599.3	598.6	597.9	598.6	599.3	599.9	600.6	601.0	601.1	601.2
140°	625.3	624.6	624.0	623.3	624.0	624.6	625.3	625.8	626.2	626.2	626.2
142.5°	648.2	647.5	647.0	646.3	647.0	647.5	648.2	648.8	649.1	649.0	648.8
145°	682.7	682.0	681.4	680.7	681.4	682.0	682.7	683.3	683.6	683.4	683.2
147.5°	713.4	712.8	712.2	711.5	712.2	712.8	713.4	714.1	714.2	713.8	713.4
150°	733.0	732.5	732.1	731.6	732.1	732.5	733.0	733.6	733.6	733.0	732.5
152.5°	752.3	751.7	751.0	750.5	751.0	751.7	752.3	752.9	752.9	752.3	751.7
155°	777.2	776.7	776.3	775.8	776.3	776.7	777.2	777.8	777.6	776.7	775.9
157.5°	799.9	799.2	798.3	797.6	798.3	799.2	799.9	800.7	800.6	799.5	798.3
160°	813.1	812.5	811.8	811.2	811.8	812.5	813.1	813.8	813.6	812.7	811.6
162.5°	825.3	824.5	823.7	822.9	823.7	824.5	825.3	826.0	826.0	824.8	823.7
165°	840.8	840.0	839.2	838.4	839.2	840.0	840.8	841.7	841.5	840.4	839.2
167.5°	853.7	852.8	852.0	851.1	852.0	852.8	853.7	854.5	854.3	853.2	852.1
170°	860.5	859.5	858.6	857.5	858.6	859.5	860.5	861.5	861.4	860.3	859.1
172.5°	865.8	864.8	863.8	862.9	863.8	864.8	865.8	866.8	866.7	865.5	864.4
175°	871.6	870.5	869.6	868.6	869.6	870.5	871.6	872.5	872.4	871.3	870.2
177.5°	873.6	872.8	872.0	871.3	872.0	872.8	873.6	874.4	874.4	873.6	872.8
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331394-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1563.8	1569.3	1577.8	1586.9	1592.3	1602.8	1605.8	1610.8	1615.3	1625.9	1636.8
5°	1473.5	1482.2	1502.9	1514.1	1529.7	1547.9	1559.8	1572.3	1586.1	1609.9	1631.7
7.5°	1376.7	1391.3	1416.9	1437.9	1460.2	1486.3	1505.1	1529.7	1550.3	1583.8	1615.8
10°	1312.1	1332.8	1355.9	1380.9	1412.2	1439.7	1466.0	1497.2	1522.3	1562.3	1599.9
12.5°	1254.1	1257.3	1290.3	1317.9	1360.7	1394.7	1424.9	1465.3	1489.8	1537.3	1576.8
15°	1152.6	1171.4	1201.5	1223.3	1273.9	1317.1	1359.7	1401.6	1429.7	1488.5	1540.4
17.5°	1067.2	1084.5	1115.2	1151.1	1187.5	1230.5	1285.5	1329.6	1367.9	1435.1	1496.5
20°	1013.1	1034.4	1065.7	1102.6	1134.5	1181.4	1229.0	1279.6	1320.9	1396.6	1468.5
22.5°	967.1	983.9	1009.2	1045.6	1080.4	1123.4	1175.4	1230.6	1273.8	1355.6	1428.4
25°	902.5	916.2	932.5	962.5	1001.9	1048.9	1089.5	1150.2	1213.3	1289.6	1377.8
27.5°	844.2	853.9	868.4	894.8	925.3	969.1	1014.3	1071.9	1135.4	1218.2	1311.3
30°	808.7	814.9	829.3	851.2	881.2	915.6	961.3	1016.3	1081.4	1165.2	1257.7
32.5°	777.7	783.4	792.8	813.7	839.7	869.1	910.2	965.3	1027.3	1109.7	1212.2
35°	731.1	735.5	743.7	760.5	774.9	803.7	838.1	888.1	946.2	1025.1	1131.4
37.5°	684.8	690.7	695.7	702.9	721.3	740.3	770.2	812.4	869.5	949.0	1050.4
40°	654.2	659.2	666.7	669.9	684.9	701.7	726.1	764.9	822.5	894.9	993.8
42.5°	623.2	628.2	632.6	636.3	649.3	664.2	686.1	719.3	770.4	840.9	938.8
45°	581.0	581.6	586.0	592.9	599.2	609.8	625.4	654.2	693.6	759.9	848.7
47.5°	538.2	538.9	539.7	542.7	549.6	559.2	569.7	593.0	628.3	681.2	767.6
50°	509.7	508.5	509.7	512.2	516.6	524.7	536.6	553.5	582.3	631.7	711.1
52.5°	482.2	481.9	481.2	482.2	485.6	491.2	499.5	514.0	539.7	585.1	655.1
55°	440.3	437.2	437.8	435.3	440.9	442.1	448.5	460.3	482.9	514.1	579.8
57.5°	395.7	393.0	390.3	389.6	389.0	392.4	397.4	406.8	424.0	451.4	504.7
60°	367.1	364.0	360.2	359.0	359.0	360.9	363.4	370.2	386.5	410.9	454.7
62.5°	338.1	334.5	332.2	328.9	328.0	329.9	332.3	337.2	349.0	371.8	409.6
65°	293.3	289.0	285.8	285.2	284.0	282.1	283.3	288.3	297.7	315.8	345.8
67.5°	248.5	244.3	243.6	239.9	238.2	238.4	238.2	242.4	248.1	263.7	286.1
70°	218.9	215.7	214.5	211.4	210.2	208.9	207.6	211.4	217.1	230.2	249.6
72.5°	188.9	186.2	183.5	180.9	181.2	179.8	179.6	181.9	186.5	198.6	213.5
75°	145.7	146.4	143.3	140.1	139.5	138.2	138.2	140.1	141.9	151.4	163.2
77.5°	105.7	105.2	102.5	101.6	100.9	99.5	100.9	102.2	103.2	109.4	118.2
80°	80.7	80.7	77.6	77.6	76.9	75.0	76.9	75.7	78.1	84.5	90.7
82.5°	57.7	56.6	56.6	55.5	55.4	54.0	55.0	56.2	57.1	61.5	65.1
85°	28.2	28.2	27.5	26.9	27.5	26.9	27.5	28.2	28.7	30.6	33.7
87.5°	11.1	11.7	11.4	11.2	10.5	10.3	10.2	10.4	10.9	11.0	11.1
90°	25.4	25.8	22.1	18.6	15.0	11.4	8.6	6.6	4.7	2.7	0.8
92.5°	23.5	23.5	22.6	21.7	20.8	20.0	18.9	17.4	16.0	14.5	13.1
95°	47.1	47.1	46.8	46.5	46.2	45.8	44.9	43.3	41.6	40.0	38.3
97.5°	79.3	79.3	78.6	78.0	77.4	76.8	75.8	74.3	72.9	71.4	70.0
100°	101.7	101.7	101.1	100.7	100.2	99.7	98.8	97.5	96.1	94.9	93.6
102.5°	125.9	125.8	125.2	124.6	123.9	123.4	122.5	121.5	120.5	119.3	118.3
105°	162.4	162.1	161.7	161.5	161.1	160.8	160.3	159.9	159.4	158.9	158.4
107.5°	202.2	202.0	202.0	202.0	202.0	202.0	201.6	201.0	200.2	199.5	198.8
110°	229.1	229.1	229.1	229.1	229.1	229.1	228.7	227.6	226.7	225.6	224.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	256.5	256.8	256.9	257.1	257.2	257.3	256.9	255.9	255.0	254.0	253.0
115°	297.5	297.7	297.9	298.3	298.6	299.0	298.6	297.7	296.6	295.7	294.7
117.5°	337.6	338.0	338.9	339.9	340.7	341.7	341.5	340.2	338.8	337.5	336.2
120°	363.9	363.9	365.2	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9
122.5°	391.8	392.2	393.1	394.1	395.0	395.9	395.6	394.0	392.5	390.9	389.3
125°	432.7	433.2	433.7	434.1	434.7	435.2	434.7	433.2	431.7	430.3	428.8
127.5°	472.4	473.0	473.5	474.2	474.8	475.3	474.7	472.9	471.0	469.1	467.2
130°	499.2	499.5	499.8	500.1	500.5	500.8	499.9	497.8	495.7	493.5	491.4
132.5°	525.9	526.6	526.5	526.5	526.4	526.3	525.5	523.7	522.0	520.3	518.5
135°	564.2	564.3	564.0	563.6	563.4	563.0	561.9	560.2	558.4	556.6	554.8
137.5°	601.3	601.4	601.1	600.6	600.2	599.7	598.8	597.4	595.9	594.4	593.0
140°	626.2	626.2	625.4	624.6	623.8	622.9	621.8	620.3	618.9	617.4	616.0
142.5°	648.8	648.7	648.1	647.5	647.0	646.4	645.4	643.9	642.4	640.9	639.5
145°	683.2	683.0	681.9	681.0	680.0	679.0	678.0	676.8	675.7	674.5	673.4
147.5°	713.0	712.8	712.1	711.4	710.8	710.1	709.1	707.7	706.3	704.9	703.6
150°	732.1	731.6	730.9	730.3	729.6	729.0	728.1	727.2	726.1	725.2	724.2
152.5°	751.0	750.5	749.6	748.9	748.1	747.2	746.4	745.5	744.4	743.5	742.4
155°	775.1	774.3	773.8	773.4	772.8	772.3	771.8	771.4	770.9	770.3	769.9
157.5°	797.2	796.1	795.8	795.5	795.2	794.9	794.7	794.3	794.0	793.6	793.3
160°	810.7	809.6	809.5	809.4	809.2	809.0	808.8	808.4	808.1	807.8	807.5
162.5°	822.6	821.4	821.3	821.1	821.0	820.8	820.7	820.6	820.6	820.5	820.4
165°	838.1	836.9	836.9	836.9	836.9	836.9	837.0	837.2	837.4	837.5	837.6
167.5°	850.9	849.7	849.8	849.8	849.9	849.9	850.2	850.6	851.1	851.6	852.1
170°	858.0	856.8	857.0	857.1	857.3	857.4	857.8	858.3	858.8	859.3	859.8
172.5°	863.3	862.1	862.3	862.4	862.6	862.8	863.1	863.6	864.1	864.6	865.1
175°	869.0	867.9	868.2	868.6	868.8	869.2	869.6	870.1	870.5	871.1	871.6
177.5°	872.0	871.3	871.5	871.8	872.0	872.3	872.6	873.0	873.5	873.8	874.2
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331394-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1635.9	1638.3	1646.3	1654.4	1663.4	1665.8	1669.9	1666.4	1665.4	1674.9	1681.9
5°	1640.5	1651.7	1673.7	1693.7	1710.5	1722.4	1734.9	1739.9	1749.3	1762.5	1778.7
7.5°	1635.2	1657.1	1691.5	1720.7	1752.5	1775.3	1793.2	1808.5	1827.0	1851.9	1879.1
10°	1629.2	1658.6	1700.5	1736.2	1774.9	1804.3	1828.7	1852.5	1880.0	1914.4	1950.0
12.5°	1618.3	1653.1	1705.5	1747.7	1797.4	1826.4	1859.3	1910.5	1940.0	1988.0	2038.2
15°	1596.1	1634.8	1708.0	1759.9	1816.2	1871.2	1931.9	1980.8	2029.5	2057.7	2128.4
17.5°	1563.2	1620.1	1701.1	1761.7	1833.2	1920.0	1988.1	2043.3	2099.7	2145.3	2180.8
20°	1536.6	1598.6	1691.1	1763.7	1848.7	1941.9	2020.2	2076.4	2125.2	2163.3	2185.2
22.5°	1503.2	1581.0	1671.1	1756.1	1864.7	1956.9	2039.1	2083.4	2124.2	2142.8	2151.2
25°	1450.4	1544.2	1646.2	1749.9	1872.5	1970.1	2045.1	2072.0	2083.9	2065.8	2035.7
27.5°	1393.5	1498.0	1617.2	1738.1	1867.7	1961.5	2015.3	2011.1	1990.9	1932.3	1885.4
30°	1350.9	1466.0	1594.2	1726.2	1856.2	1947.6	1978.9	1947.6	1901.9	1836.3	1769.3
32.5°	1306.4	1425.5	1569.7	1709.1	1835.2	1915.5	1922.3	1868.5	1797.8	1723.2	1639.7
35°	1239.0	1367.8	1523.5	1671.1	1790.5	1841.3	1811.2	1716.2	1632.4	1530.4	1416.5
37.5°	1162.8	1305.0	1461.2	1615.4	1723.6	1736.9	1662.4	1562.3	1444.1	1324.3	1190.3
40°	1105.8	1256.5	1417.2	1572.9	1668.6	1654.8	1559.8	1449.7	1309.0	1162.6	1038.2
42.5°	1054.7	1205.4	1369.1	1521.9	1598.6	1560.8	1449.7	1314.7	1163.4	1025.6	911.6
45°	966.3	1121.3	1289.0	1436.6	1480.4	1412.2	1265.3	1115.1	966.3	851.2	761.1
47.5°	880.4	1033.8	1199.8	1329.6	1345.0	1253.3	1092.7	938.3	810.3	716.6	653.1
50°	817.5	971.3	1135.8	1251.5	1246.4	1135.8	970.6	823.7	716.7	641.0	598.5
52.5°	760.9	906.3	1064.2	1169.4	1142.9	1022.2	864.6	734.1	646.2	587.0	548.5
55°	673.0	807.4	957.5	1042.0	993.2	859.3	726.1	621.0	556.0	511.6	481.5
57.5°	585.6	711.7	840.2	892.2	838.3	714.7	603.7	527.4	478.5	445.6	426.1
60°	531.6	641.7	756.1	801.2	736.8	626.7	539.1	471.0	431.5	404.6	387.1
62.5°	477.6	576.2	684.1	708.6	649.7	556.7	479.1	422.4	390.0	366.1	349.6
65°	404.1	484.7	566.7	582.9	528.5	456.6	395.3	358.4	329.6	312.1	299.0
67.5°	331.3	396.2	454.2	467.3	419.6	369.8	325.5	293.3	273.8	259.3	248.2
70°	288.3	339.6	387.1	397.8	359.6	315.2	281.4	255.8	238.3	225.7	215.2
72.5°	242.8	285.6	325.1	332.2	301.0	267.2	239.4	219.2	203.8	195.8	185.6
75°	185.8	210.8	241.4	243.3	222.6	202.0	180.8	167.6	159.5	149.5	144.5
77.5°	131.1	150.7	168.2	171.6	159.4	145.3	133.5	123.1	116.2	111.6	107.0
80°	100.1	115.7	123.2	127.6	118.9	108.9	102.0	95.1	90.7	87.6	84.5
82.5°	71.5	81.2	88.2	91.5	86.8	80.8	73.9	70.0	66.6	64.0	63.0
85°	36.3	40.6	45.1	46.3	45.1	42.5	38.7	38.7	36.9	36.3	36.3
87.5°	13.0	15.5	15.8	17.7	17.2	18.0	18.8	18.9	19.1	18.6	18.0
90°	2.7	4.7	6.6	8.6	11.4	15.0	18.6	22.1	25.8	25.4	25.2
92.5°	14.5	16.0	17.4	18.9	20.0	20.8	21.7	22.6	23.5	23.5	23.6
95°	40.0	41.6	43.3	44.9	45.8	46.2	46.5	46.8	47.1	47.1	47.1
97.5°	71.4	72.9	74.3	75.8	76.8	77.4	78.0	78.6	79.3	79.3	79.3
100°	94.9	96.1	97.5	98.8	99.7	100.2	100.7	101.1	101.7	101.7	101.7
102.5°	119.3	120.5	121.5	122.5	123.4	123.9	124.6	125.2	125.8	125.9	126.1
105°	158.9	159.4	159.9	160.3	160.8	161.1	161.5	161.7	162.1	162.4	162.8
107.5°	199.5	200.2	201.0	201.6	202.0	202.0	202.0	202.0	202.0	202.2	202.3
110°	225.6	226.7	227.6	228.7	229.1	229.1	229.1	229.1	229.1	229.1	229.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	254.0	255.0	255.9	256.9	257.3	257.2	257.1	256.9	256.8	256.5	256.0
115°	295.7	296.6	297.7	298.6	299.0	298.6	298.3	297.9	297.7	297.5	297.3
117.5°	337.5	338.8	340.2	341.5	341.7	340.7	339.9	338.9	338.0	337.6	337.2
120°	365.2	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9	363.9	363.9
122.5°	390.9	392.5	394.0	395.6	395.9	395.0	394.1	393.1	392.2	391.8	391.4
125°	430.3	431.7	433.2	434.7	435.2	434.7	434.1	433.7	433.2	432.7	432.3
127.5°	469.1	471.0	472.9	474.7	475.3	474.8	474.2	473.5	473.0	472.4	471.8
130°	493.5	495.7	497.8	499.9	500.8	500.5	500.1	499.8	499.5	499.2	498.9
132.5°	520.3	522.0	523.7	525.5	526.3	526.4	526.5	526.5	526.6	525.9	525.2
135°	556.6	558.4	560.2	561.9	563.0	563.4	563.6	564.0	564.3	564.2	564.0
137.5°	594.4	595.9	597.4	598.8	599.7	600.2	600.6	601.1	601.4	601.3	601.2
140°	617.4	618.9	620.3	621.8	622.9	623.8	624.6	625.4	626.2	626.2	626.2
142.5°	640.9	642.4	643.9	645.4	646.4	647.0	647.5	648.1	648.7	648.8	648.8
145°	674.5	675.7	676.8	678.0	679.0	680.0	681.0	681.9	683.0	683.2	683.2
147.5°	704.9	706.3	707.7	709.1	710.1	710.8	711.4	712.1	712.8	713.0	713.4
150°	725.2	726.1	727.2	728.1	729.0	729.6	730.3	730.9	731.6	732.1	732.5
152.5°	743.5	744.4	745.5	746.4	747.2	748.1	748.9	749.6	750.5	751.0	751.7
155°	770.3	770.9	771.4	771.8	772.3	772.8	773.4	773.8	774.3	775.1	775.9
157.5°	793.6	794.0	794.3	794.7	794.9	795.2	795.5	795.8	796.1	797.2	798.3
160°	807.8	808.1	808.4	808.8	809.0	809.2	809.4	809.5	809.6	810.7	811.6
162.5°	820.5	820.6	820.6	820.7	820.8	821.0	821.1	821.3	821.4	822.6	823.7
165°	837.5	837.4	837.2	837.0	836.9	836.9	836.9	836.9	836.9	838.1	839.2
167.5°	851.6	851.1	850.6	850.2	849.9	849.9	849.8	849.8	849.7	850.9	852.1
170°	859.3	858.8	858.3	857.8	857.4	857.3	857.1	857.0	856.8	858.0	859.1
172.5°	864.6	864.1	863.6	863.1	862.8	862.6	862.4	862.3	862.1	863.3	864.4
175°	871.1	870.5	870.1	869.6	869.2	868.8	868.6	868.2	867.9	869.0	870.2
177.5°	873.8	873.5	873.0	872.6	872.3	872.0	871.8	871.5	871.3	872.0	872.8
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1687.9	1694.9	1694.9	1695.9	1703.9	1702.9	1702.4
5°	1796.2	1806.9	1808.1	1819.4	1826.8	1824.4	1817.5
7.5°	1898.4	1918.2	1933.2	1941.5	1951.4	1957.6	1954.8
10°	1979.4	2008.2	2025.7	2037.6	2052.0	2062.7	2058.9
12.5°	2053.0	2087.3	2111.3	2131.7	2133.5	2147.2	2138.0
15°	2167.8	2203.9	2207.7	2222.7	2234.7	2233.4	2234.0
17.5°	2205.6	2217.2	2219.6	2220.0	2220.2	2215.7	2206.2
20°	2192.1	2187.7	2177.1	2169.0	2154.6	2152.7	2140.2
22.5°	2128.1	2114.2	2087.5	2069.9	2047.5	2041.6	2038.2
25°	2002.0	1971.3	1928.8	1888.1	1876.9	1855.0	1861.2
27.5°	1829.0	1781.2	1735.1	1702.1	1672.3	1639.5	1648.9
30°	1707.4	1653.6	1588.6	1538.5	1506.7	1475.4	1469.7
32.5°	1562.3	1483.5	1411.0	1366.9	1318.1	1298.3	1276.6
35°	1312.1	1235.2	1163.3	1101.4	1065.7	1038.2	1013.1
37.5°	1087.1	998.5	940.5	890.3	864.6	848.9	852.8
40°	947.5	870.0	827.5	789.3	765.5	754.2	756.8
42.5°	834.4	776.4	741.4	715.2	698.4	692.2	690.7
45°	706.1	673.5	644.8	629.8	621.7	614.8	610.4
47.5°	618.5	592.0	575.8	566.8	559.8	552.7	552.6
50°	566.0	548.5	537.2	527.8	522.3	517.3	521.6
52.5°	525.9	510.0	498.7	490.3	488.2	483.7	483.6
55°	466.6	454.0	445.9	438.4	434.7	432.2	429.0
57.5°	412.6	400.7	393.1	388.4	381.3	378.7	377.8
60°	374.0	364.6	357.1	350.8	347.7	342.7	342.7
62.5°	338.5	329.1	322.1	317.4	312.2	310.2	310.8
65°	287.1	279.6	272.7	267.7	266.5	262.7	263.9
67.5°	239.8	234.8	227.5	224.8	222.4	220.4	218.9
70°	208.3	203.3	199.5	195.8	193.9	193.9	193.9
72.5°	181.7	175.8	173.5	168.7	169.8	167.9	165.9
75°	140.7	137.0	135.1	133.2	130.1	130.1	130.1
77.5°	103.6	102.5	100.2	98.2	97.5	96.8	97.1
80°	80.0	79.5	78.1	78.1	76.9	76.3	75.0
82.5°	61.5	59.9	59.2	58.6	58.4	58.2	58.1
85°	35.1	33.7	33.7	34.4	33.2	33.2	33.7
87.5°	18.5	18.4	17.9	17.9	18.5	18.0	18.0
90°	24.8	24.5	24.4	24.6	24.7	24.9	25.1
92.5°	23.7	23.7	23.8	23.8	23.8	23.8	23.8
95°	47.1	47.1	47.0	46.7	46.4	46.0	45.7
97.5°	79.3	79.3	79.3	79.3	79.2	79.2	79.1
100°	101.7	101.7	101.6	101.4	101.2	101.1	100.9
102.5°	126.2	126.4	126.3	126.2	126.0	125.8	125.6
105°	163.1	163.4	163.5	163.5	163.5	163.5	163.5
107.5°	202.4	202.6	202.3	201.5	200.8	200.0	199.3
110°	229.1	229.1	228.8	228.4	227.9	227.4	226.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	255.6	255.2	254.9	254.5	254.1	253.8	253.4
115°	297.2	297.0	296.6	296.1	295.7	295.2	294.7
117.5°	336.9	336.4	336.0	335.5	335.0	334.5	334.0
120°	363.9	363.9	363.7	363.2	362.7	362.2	361.7
122.5°	391.1	390.7	390.3	389.9	389.6	389.2	388.9
125°	431.7	431.2	430.9	430.7	430.6	430.5	430.3
127.5°	471.2	470.6	470.0	469.6	469.0	468.5	468.0
130°	498.5	498.2	497.7	497.0	496.4	495.8	495.1
132.5°	524.4	523.8	523.1	522.5	522.1	521.5	521.0
135°	563.8	563.6	563.4	562.9	562.4	561.8	561.4
137.5°	601.1	601.0	600.6	599.9	599.3	598.6	597.9
140°	626.2	626.2	625.8	625.3	624.6	624.0	623.3
142.5°	649.0	649.1	648.8	648.2	647.5	647.0	646.3
145°	683.4	683.6	683.3	682.7	682.0	681.4	680.7
147.5°	713.8	714.2	714.1	713.4	712.8	712.2	711.5
150°	733.0	733.6	733.6	733.0	732.5	732.1	731.6
152.5°	752.3	752.9	752.9	752.3	751.7	751.0	750.5
155°	776.7	777.6	777.8	777.2	776.7	776.3	775.8
157.5°	799.5	800.6	800.7	799.9	799.2	798.3	797.6
160°	812.7	813.6	813.8	813.1	812.5	811.8	811.2
162.5°	824.8	826.0	826.0	825.3	824.5	823.7	822.9
165°	840.4	841.5	841.7	840.8	840.0	839.2	838.4
167.5°	853.2	854.3	854.5	853.7	852.8	852.0	851.1
170°	860.3	861.4	861.5	860.5	859.5	858.6	857.5
172.5°	865.5	866.7	866.8	865.8	864.8	863.8	862.9
175°	871.3	872.4	872.5	871.6	870.5	869.6	868.6
177.5°	873.6	874.4	874.4	873.6	872.8	872.0	871.3
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0

(END OF REPORT)