

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: P331438-930

Luminaire Tested: **SA2XXDIP-C1005D725U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331438-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

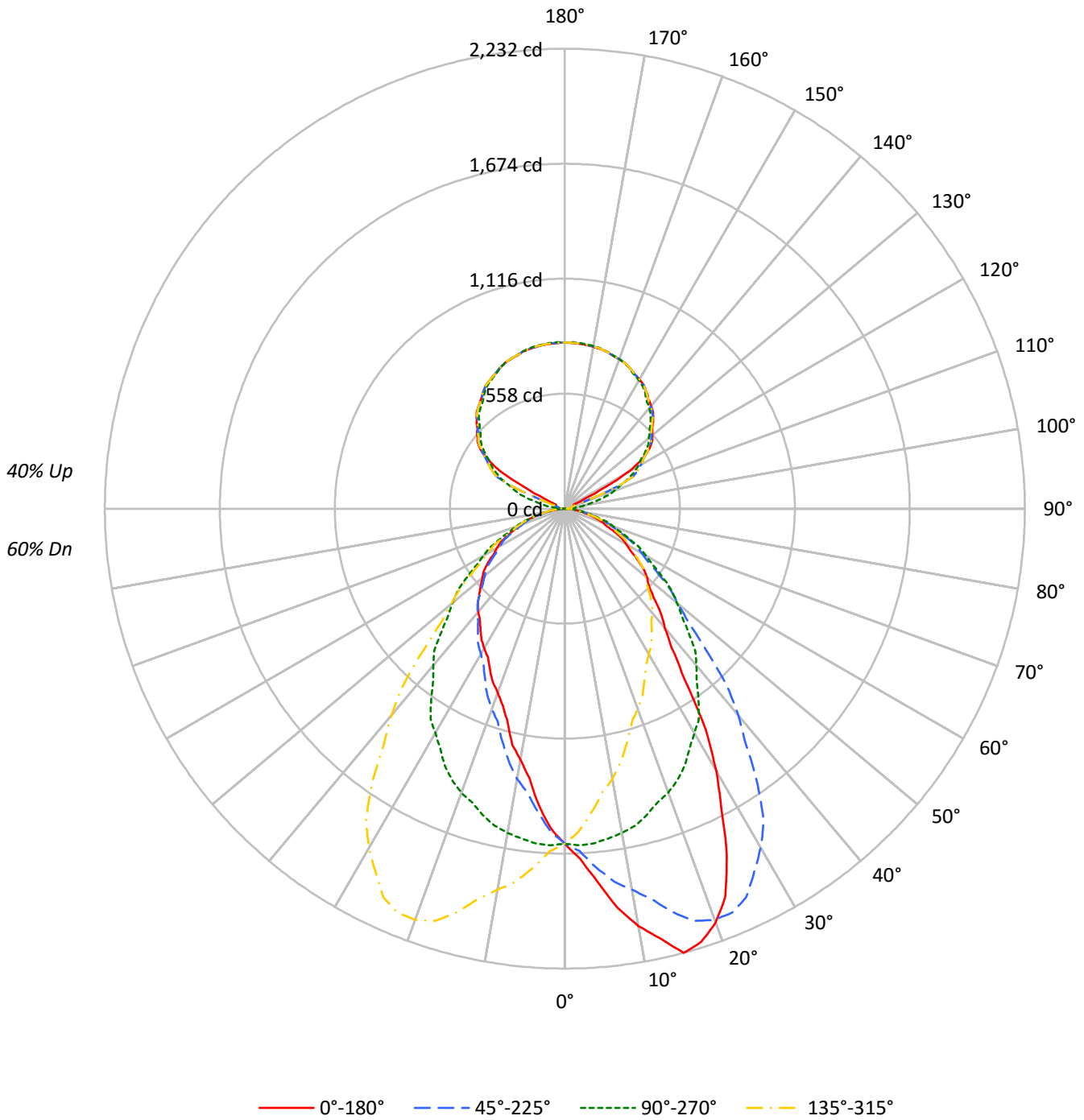
Lumens per Lamp: N/A
Luminaire Lumens: 5950.7 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 60.7
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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	101	96	93	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	50	49	44
3	84	75	68	62	79	71	64	59	62	57	53	54	51	48	47	44	42	38
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	42	39	37	33
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	32	29
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	35	32	29	26
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	29	26	23
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	27	23	28	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26248	26248	26248	26248
5°	29428	26420	23412	26420
10°	33721	26202	20261	26202
15°	37305	25723	17901	25723
20°	36737	25206	16318	25206
25°	33127	24522	15316	24522
30°	27374	23426	14585	23426
35°	19951	22277	14063	22277
40°	15934	20925	13774	20925
45°	13924	19358	13381	19358
50°	13089	17844	13122	17844
55°	12065	16304	12769	16304
60°	11057	14667	12226	14667
65°	10074	13200	11694	13200
70°	9144	11769	10914	11769
75°	8110	10175	9669	10175
80°	6974	8424	7782	8424
85°	6262	6262	4631	6262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	2.6
10°-20°	450.1	7.6
20°-30°	653.3	11.0
30°-40°	689.3	11.6
40°-50°	610.4	10.3
50°-60°	487.1	8.2
60°-70°	331.1	5.6
70°-80°	169.7	2.9
80°-90°	42.9	0.7
90°-100°	26.9	0.5
100°-110°	98.6	1.7
110°-120°	263.5	4.4
120°-130°	435.0	7.3
130°-140°	462.7	7.8
140°-150°	430.0	7.2
150°-160°	345.7	5.8
160°-170°	222.8	3.7
170°-180°	76.7	1.3
0°-30°	1258.2	21.1
0°-40°	1947.5	32.7
0°-60°	3045.0	51.2
0°-90°	3588.7	60.3
90°-120°	389.0	6.5
90°-150°	1716.8	28.8
90°-180°	2362.0	39.7
0°-180°	5950.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1626	1626	1626	1626	1626	
5°	1816	1630	1444	1630	1816	181
15°	2232	1539	1071	1539	2232	616
25°	1860	1376	860	1376	1860	840
35°	1012	1130	714	1130	1012	658
45°	610	848	586	848	610	480
55°	429	579	454	579	429	384
65°	264	346	306	346	264	262
75°	130	163	155	163	130	139
85°	34	34	25	34	34	37
90°	16	1	16	1	16	9
95°	25	38	25	38	25	23
105°	44	177	44	177	44	46
115°	48	335	48	335	48	120
125°	499	474	499	474	499	431
135°	606	587	606	587	606	467
145°	691	681	691	681	691	432
155°	750	749	750	749	750	346
165°	788	790	788	790	788	222
175°	803	808	803	808	803	76
180°	806	806	806	806	806	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1700.7	1701.2	1702.2	1694.2	1693.2	1693.2	1686.2	1680.3	1673.2	1663.7	1664.8
5°	1815.7	1822.5	1825.0	1817.5	1806.3	1805.1	1794.5	1776.9	1760.7	1747.6	1738.2
7.5°	1952.9	1955.7	1949.5	1939.7	1931.3	1916.3	1896.5	1877.1	1850.1	1825.2	1806.7
10°	2056.8	2060.6	2050.0	2035.6	2023.7	2006.3	1977.5	1948.2	1912.5	1878.2	1850.6
12.5°	2135.8	2145.1	2131.4	2129.6	2109.3	2085.2	2051.0	2036.1	1986.0	1938.1	1908.7
15°	2231.8	2231.1	2232.5	2220.5	2205.5	2201.8	2165.6	2126.2	2055.6	2027.5	1978.7
17.5°	2204.1	2213.5	2217.9	2217.8	2217.5	2215.1	2203.4	2178.6	2143.2	2097.6	2041.3
20°	2138.1	2150.6	2152.5	2166.8	2175.0	2185.6	2190.0	2183.0	2161.2	2123.1	2074.4
22.5°	2036.1	2039.6	2045.5	2067.8	2085.5	2112.1	2126.0	2149.0	2140.7	2122.1	2081.4
25°	1859.5	1853.2	1875.0	1886.3	1926.9	1969.4	2000.0	2033.8	2063.8	2081.9	2070.0
27.5°	1647.2	1637.9	1670.6	1700.5	1733.5	1779.5	1827.2	1883.5	1930.4	1989.0	2009.1
30°	1468.3	1473.9	1505.1	1537.0	1587.0	1652.0	1705.7	1767.6	1834.4	1900.1	1945.6
32.5°	1275.4	1297.0	1316.7	1365.5	1409.6	1482.1	1560.7	1638.1	1721.5	1796.1	1866.7
35°	1012.2	1037.1	1064.7	1100.2	1162.1	1234.0	1310.8	1415.2	1528.9	1630.8	1714.5
37.5°	852.0	848.0	863.7	889.5	939.6	997.6	1086.1	1189.1	1323.0	1442.7	1560.7
40°	756.0	753.5	764.8	788.5	826.6	869.1	946.6	1037.1	1161.5	1307.7	1448.3
42.5°	690.1	691.5	697.8	714.5	740.6	775.6	833.6	910.7	1024.6	1162.3	1313.4
45°	609.8	614.2	621.1	629.2	644.2	672.9	705.4	760.4	850.4	965.3	1114.0
47.5°	552.0	552.2	559.2	566.3	575.2	591.4	617.9	652.4	715.9	809.5	937.3
50°	521.1	516.7	521.7	527.3	536.7	548.0	565.4	597.9	640.4	716.0	822.9
52.5°	483.1	483.2	487.7	489.8	498.2	509.5	525.5	548.0	586.4	645.6	733.4
55°	428.6	431.7	434.2	438.0	445.5	453.6	466.1	481.1	511.1	555.5	620.4
57.5°	377.4	378.4	380.9	388.0	392.7	400.2	412.1	425.7	445.2	478.1	526.9
60°	342.4	342.4	347.4	350.5	356.8	364.3	373.7	386.8	404.2	431.1	470.5
62.5°	310.4	309.9	311.9	317.0	321.8	328.8	338.1	349.3	365.7	389.6	422.0
65°	263.7	262.4	266.2	267.4	272.4	279.3	286.8	298.6	311.8	329.3	358.0
67.5°	218.7	220.2	222.2	224.5	227.3	234.6	239.5	247.9	259.0	273.5	293.0
70°	193.7	193.7	193.7	195.6	199.3	203.1	208.1	214.9	225.6	238.1	255.5
72.5°	165.7	167.7	169.7	168.6	173.3	175.5	181.6	185.5	195.6	203.6	219.1
75°	130.0	130.0	130.0	133.1	134.9	136.8	140.6	144.3	149.4	159.3	167.5
77.5°	96.9	96.7	97.3	98.1	100.1	102.3	103.5	106.8	111.5	116.1	122.9
80°	75.0	76.2	76.9	78.1	78.1	79.3	80.0	84.4	87.5	90.6	95.0
82.5°	58.0	58.2	58.4	58.6	59.1	59.8	61.5	62.9	64.0	66.6	70.0
85°	33.8	33.1	33.1	34.3	33.8	33.8	35.0	36.2	36.2	36.9	38.7
87.5°	16.1	16.1	16.6	16.0	15.9	16.4	16.2	15.6	16.0	16.3	16.6
90°	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0	12.3	11.7	10.6
92.5°	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2	13.9	13.5	13.0
95°	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1	23.4	22.7	21.9
97.5°	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5	31.0	30.4	28.4
100°	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3	34.2	33.3	31.1
102.5°	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9	35.5	34.2	52.6
105°	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4	37.0	35.5	70.9
107.5°	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9	48.3	49.8	92.2
110°	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1	89.1	102.1	139.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9	210.2	257.4	266.7
115°	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9	299.9	359.9	356.6
117.5°	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6	384.1	398.6	396.3
120°	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6	429.0	427.5	425.2
122.5°	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9	455.9	455.0	452.5
125°	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6	493.7	492.8	490.3
127.5°	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5	528.2	526.8	525.1
130°	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6	550.2	548.8	547.4
132.5°	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2	571.9	570.7	569.3
135°	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9	602.6	601.3	600.1
137.5°	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4	631.1	629.9	628.5
140°	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9	649.7	648.6	647.1
142.5°	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9	666.8	665.8	664.1
145°	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8	690.9	689.9	687.7
147.5°	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5	711.8	711.2	709.0
150°	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3	724.6	723.7	721.7
152.5°	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9	736.2	735.4	733.4
155°	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8	752.0	751.1	749.6
157.5°	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0	765.2	764.3	763.1
160°	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7	773.0	772.2	771.4
162.5°	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9	780.1	779.2	778.5
165°	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7	788.8	787.9	787.5
167.5°	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1	796.1	795.2	794.9
170°	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8	799.9	799.0	798.7
172.5°	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6	802.7	801.8	801.5
175°	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7	805.8	804.9	804.5
177.5°	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0	806.2	805.5	805.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1668.3	1664.3	1661.7	1652.8	1644.7	1636.7	1634.3	1635.2	1624.2	1613.7	1609.2
5°	1733.2	1720.7	1708.9	1692.0	1672.0	1650.1	1638.8	1630.1	1608.3	1584.5	1570.8
7.5°	1791.5	1773.6	1750.7	1719.0	1689.9	1655.5	1633.6	1614.2	1582.3	1548.7	1528.3
10°	1826.9	1802.5	1773.2	1734.5	1698.8	1657.0	1627.6	1598.2	1560.7	1520.8	1495.7
12.5°	1857.4	1824.6	1795.7	1746.0	1703.8	1651.5	1616.7	1575.2	1535.8	1488.2	1463.8
15°	1930.1	1869.4	1814.4	1758.2	1706.3	1633.2	1594.5	1538.9	1487.0	1428.3	1400.2
17.5°	1986.2	1918.0	1831.4	1760.0	1699.5	1618.5	1561.6	1495.0	1433.7	1366.6	1328.4
20°	2018.1	1940.0	1846.9	1761.9	1689.5	1597.0	1535.1	1467.0	1395.2	1319.6	1278.4
22.5°	2037.1	1955.0	1863.0	1754.4	1669.5	1579.5	1501.6	1427.0	1354.2	1272.6	1229.4
25°	2043.1	1968.1	1870.7	1748.2	1644.5	1542.6	1448.9	1376.5	1288.3	1212.1	1149.0
27.5°	2013.4	1959.7	1865.9	1736.4	1615.6	1496.6	1392.0	1309.9	1217.0	1134.2	1070.8
30°	1976.9	1945.6	1854.4	1724.4	1592.6	1464.5	1349.6	1256.5	1164.0	1080.3	1015.3
32.5°	1920.4	1913.7	1833.4	1707.5	1568.1	1424.1	1305.1	1211.0	1108.6	1026.3	964.3
35°	1809.5	1839.4	1788.8	1669.5	1522.0	1366.4	1237.7	1130.2	1024.1	945.3	887.2
37.5°	1660.8	1735.2	1722.0	1613.9	1459.8	1303.7	1161.6	1049.3	948.1	868.6	811.6
40°	1558.3	1653.3	1667.0	1571.4	1415.8	1255.2	1104.6	992.8	894.1	821.7	764.1
42.5°	1448.3	1559.3	1597.0	1520.4	1367.8	1204.3	1053.7	937.8	840.1	769.6	718.7
45°	1264.0	1410.8	1479.0	1435.2	1287.8	1120.3	965.3	847.8	759.1	692.9	653.5
47.5°	1091.7	1252.1	1343.7	1328.2	1198.7	1032.8	879.6	766.9	680.5	627.7	592.5
50°	969.7	1134.7	1245.2	1250.3	1134.7	970.3	816.6	710.4	631.0	581.7	552.9
52.5°	863.7	1021.2	1141.7	1168.2	1063.2	905.3	760.1	654.4	584.6	539.2	513.5
55°	725.4	858.5	992.2	1040.9	956.6	806.7	672.3	579.2	513.6	482.3	459.8
57.5°	603.1	714.0	837.5	891.4	839.4	711.0	585.1	504.2	451.0	423.6	406.3
60°	538.6	626.1	736.1	800.4	755.4	641.1	531.1	454.2	410.5	386.1	369.9
62.5°	478.6	556.1	649.1	707.9	683.4	575.6	477.1	409.3	371.5	348.6	336.9
65°	394.8	456.1	528.0	582.3	566.1	484.2	403.7	345.5	315.5	297.4	288.0
67.5°	325.1	369.4	419.2	466.8	453.7	395.7	331.0	285.8	263.4	247.8	242.1
70°	281.2	314.9	359.3	397.4	386.8	339.2	288.0	249.3	229.9	216.8	211.2
72.5°	239.2	266.9	300.8	331.9	324.7	285.3	242.6	213.3	198.4	186.3	181.7
75°	180.6	201.8	222.4	243.0	241.2	210.6	185.6	163.1	151.2	141.9	140.0
77.5°	133.3	145.2	159.2	171.5	168.0	150.6	130.9	118.1	109.3	103.1	102.1
80°	101.8	108.7	118.7	127.4	123.1	115.6	100.0	90.6	84.4	78.1	75.6
82.5°	73.9	80.7	86.7	91.5	88.1	81.1	71.5	65.1	61.4	57.1	56.1
85°	38.7	42.5	45.0	46.2	45.0	40.6	36.2	33.8	30.7	28.8	28.1
87.5°	16.9	16.7	16.5	17.3	15.5	15.2	12.9	11.1	10.9	10.7	9.9
90°	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6	2.0	3.4	4.9
92.5°	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7	11.7	11.5	11.4
95°	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9	33.7	29.4	25.1
97.5°	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3	63.2	51.1	39.1
100°	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2	85.4	67.8	50.0
102.5°	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0	130.3	126.5	122.8
105°	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3	181.2	185.1	189.0
107.5°	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7	229.8	232.9	236.0
110°	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4	261.1	263.8	266.5



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2	290.7	293.0	295.5
115°	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3	337.5	339.7	341.9
117.5°	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5	379.9	382.4	384.8
120°	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2	410.2	412.1	414.1
122.5°	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4	436.4	438.5	440.5
125°	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2	475.8	477.5	479.2
127.5°	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2	512.1	514.0	515.8
130°	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0	535.2	537.2	539.2
132.5°	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4	558.2	559.9	561.7
135°	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7	588.8	590.8	593.0
137.5°	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4	618.8	620.3	621.7
140°	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5	638.5	639.5	640.6
142.5°	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3	655.2	656.2	657.0
145°	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6	680.4	680.4	680.2
147.5°	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6	703.1	702.6	702.1
150°	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5	717.6	716.7	715.8
152.5°	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1	730.1	729.1	728.1
155°	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4	748.3	747.1	745.9
157.5°	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8	762.8	761.8	760.8
160°	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	771.4	770.6	769.8
162.5°	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7	778.9	778.1	777.3
165°	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7	788.9	788.1	787.3
167.5°	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1	796.4	795.6	794.8
170°	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4	800.5	799.8	799.0
172.5°	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1	803.3	802.6	801.8
175°	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7	806.8	805.9	805.0
177.5°	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4	807.6	806.9	806.2
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1604.3	1601.2	1590.7	1585.3	1576.3	1567.7	1562.3	1564.8	1566.8	1565.8	1564.2
5°	1558.3	1546.4	1528.3	1512.6	1501.4	1480.8	1472.0	1467.7	1464.0	1459.5	1455.1
7.5°	1503.5	1484.8	1458.8	1436.6	1415.5	1389.9	1375.3	1366.6	1357.6	1347.7	1339.0
10°	1464.5	1438.3	1410.8	1379.6	1354.6	1331.5	1310.8	1297.1	1284.6	1272.8	1264.0
12.5°	1423.6	1393.3	1359.3	1316.6	1289.1	1256.0	1252.9	1228.7	1209.1	1201.8	1191.5
15°	1358.3	1315.8	1272.8	1222.1	1200.3	1170.3	1151.5	1132.8	1115.9	1104.0	1100.9
17.5°	1284.3	1229.2	1186.3	1150.0	1114.2	1083.5	1066.2	1051.2	1037.3	1021.4	1019.3
20°	1227.8	1180.2	1133.4	1101.6	1064.7	1033.4	1012.2	997.2	985.3	975.9	967.8
22.5°	1174.3	1122.3	1079.4	1044.6	1008.2	982.9	966.2	951.7	941.8	931.5	923.8
25°	1088.4	1047.8	1000.9	961.6	931.6	915.3	901.6	889.1	882.9	876.0	867.2
27.5°	1013.3	968.2	924.3	893.8	867.5	853.1	843.3	834.9	829.0	825.0	820.0
30°	960.3	914.7	880.4	850.4	828.5	814.2	807.9	802.9	796.0	793.5	791.0
32.5°	909.3	868.2	838.9	812.9	792.0	782.6	776.9	772.4	767.0	764.5	759.5
35°	837.2	802.9	774.1	759.8	742.9	734.7	730.4	724.1	719.2	716.6	716.0
37.5°	769.4	739.6	720.6	702.1	695.0	690.1	684.0	679.8	678.3	677.9	677.3
40°	725.4	701.0	684.2	669.2	666.0	658.5	653.5	649.8	649.8	650.4	649.8
42.5°	685.4	663.6	648.7	635.7	632.0	627.5	622.6	622.3	623.3	625.4	623.3
45°	624.8	609.2	598.6	592.3	585.5	581.1	580.4	582.3	582.9	583.6	585.5
47.5°	569.1	558.7	549.1	542.2	539.2	538.4	537.7	541.0	544.0	545.1	548.0
50°	536.1	524.2	516.1	511.7	509.2	507.9	509.2	513.0	515.4	518.6	520.5
52.5°	499.1	490.7	485.1	481.8	480.7	481.5	481.8	486.0	490.0	491.1	492.0
55°	448.0	441.7	440.5	434.9	437.3	436.8	439.9	442.4	446.1	449.9	450.5
57.5°	397.0	392.0	388.7	389.1	389.9	392.6	395.3	399.7	403.7	407.6	408.0
60°	363.1	360.5	358.7	358.7	359.9	363.6	366.7	371.1	373.7	376.1	378.0
62.5°	332.0	329.5	327.7	328.6	331.9	334.1	337.8	340.1	342.7	345.1	346.0
65°	283.1	281.8	283.6	284.9	285.5	288.7	293.0	294.9	297.4	298.6	303.0
67.5°	237.9	238.1	237.9	239.7	243.3	244.0	248.2	252.6	253.1	255.4	258.3
70°	207.4	208.7	209.9	211.2	214.3	215.6	218.7	220.5	223.1	224.9	226.8
72.5°	179.4	179.7	180.9	180.7	183.3	186.1	188.7	190.5	193.1	195.4	197.3
75°	138.1	138.1	139.3	140.0	143.1	146.2	145.6	146.8	149.4	151.8	153.1
77.5°	100.9	99.5	100.9	101.5	102.5	105.1	105.6	107.4	110.2	109.3	110.7
80°	76.9	75.0	76.9	77.5	77.5	80.6	80.6	81.9	83.7	81.9	83.7
82.5°	54.9	54.0	55.4	55.5	56.5	56.6	57.6	57.9	59.8	58.9	59.8
85°	27.5	26.9	27.5	26.9	27.5	28.1	28.1	27.5	27.5	28.8	26.9
87.5°	9.8	9.5	9.2	9.4	9.1	8.8	8.5	8.6	8.7	7.8	7.9
90°	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0	13.6	14.3	14.7
92.5°	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2	14.5	14.8	15.2
95°	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1	24.7	25.4	25.6
97.5°	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5	32.0	32.5	32.9
100°	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3	36.4	37.4	38.1
102.5°	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9	38.2	39.5	40.4
105°	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4	39.9	41.3	42.2
107.5°	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9	45.4	44.0	43.5
110°	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1	63.2	50.2	44.0



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9	115.6	68.3	44.8
115°	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9	179.9	119.8	85.1
117.5°	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6	355.0	340.5	317.9
120°	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6	432.2	433.7	425.7
122.5°	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9	457.8	458.8	457.5
125°	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6	495.5	496.4	497.1
127.5°	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5	530.8	532.1	532.9
130°	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6	553.1	554.5	555.1
132.5°	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2	574.4	575.6	576.2
135°	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9	605.2	606.5	607.0
137.5°	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4	633.7	635.0	635.4
140°	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9	652.0	653.2	653.5
142.5°	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9	669.0	670.0	670.3
145°	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8	692.7	693.6	693.7
147.5°	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5	713.2	713.9	714.0
150°	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3	726.1	726.8	726.9
152.5°	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9	737.8	738.6	738.5
155°	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8	753.5	754.3	754.2
157.5°	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0	766.9	767.8	767.7
160°	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7	774.5	775.3	775.2
162.5°	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9	781.8	782.7	782.6
165°	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7	790.7	791.6	791.6
167.5°	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1	798.0	798.9	798.7
170°	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8	801.7	802.7	802.5
172.5°	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6	804.5	805.4	805.3
175°	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7	807.6	808.5	808.3
177.5°	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0	807.7	808.5	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1559.3	1558.3	1558.3	1553.8	1558.3	1558.3	1559.3	1564.2	1565.8	1566.8	1564.8
5°	1446.4	1444.5	1441.4	1444.5	1441.4	1444.5	1446.4	1455.1	1459.5	1464.0	1467.7
7.5°	1334.8	1327.3	1326.2	1318.8	1326.2	1327.3	1334.8	1339.0	1347.7	1357.6	1366.6
10°	1253.4	1248.4	1247.7	1235.8	1247.7	1248.4	1253.4	1264.0	1272.8	1284.6	1297.1
12.5°	1191.4	1179.4	1181.8	1174.8	1181.8	1179.4	1191.4	1191.5	1201.8	1209.1	1228.7
15°	1084.0	1084.0	1081.6	1070.9	1081.6	1084.0	1084.0	1100.9	1104.0	1115.9	1132.8
17.5°	1007.0	1005.7	999.7	1002.7	999.7	1005.7	1007.0	1019.3	1021.4	1037.3	1051.2
20°	960.9	957.2	949.7	949.7	949.7	957.2	960.9	967.8	975.9	985.3	997.2
22.5°	917.5	917.2	909.2	911.7	909.2	917.2	917.5	923.8	931.5	941.8	951.7
25°	866.6	861.6	857.9	859.7	857.9	861.6	866.6	867.2	876.0	882.9	889.1
27.5°	818.4	815.6	815.4	810.2	815.4	815.6	818.4	820.0	825.0	829.0	834.9
30°	790.4	784.2	785.4	782.3	785.4	784.2	790.4	791.0	793.5	796.0	802.9
32.5°	758.4	756.1	754.9	752.3	754.9	756.1	758.4	759.5	764.5	767.0	772.4
35°	714.8	715.4	712.2	713.5	712.2	715.4	714.8	716.0	716.6	719.2	724.1
37.5°	676.7	678.7	677.2	677.5	677.2	678.7	676.7	677.3	677.9	678.3	679.8
40°	651.7	651.7	651.7	653.5	651.7	651.7	651.7	649.8	650.4	649.8	649.8
42.5°	627.7	626.7	625.7	625.6	625.7	626.7	627.7	623.3	625.4	623.3	622.3
45°	586.7	588.6	589.2	586.0	589.2	588.6	586.7	585.5	583.6	582.9	582.3
47.5°	549.6	549.8	549.6	552.4	549.6	549.8	549.6	548.0	545.1	544.0	541.0
50°	523.6	522.4	523.6	522.4	523.6	522.4	523.6	520.5	518.6	515.4	513.0
52.5°	496.1	496.4	495.6	495.4	495.6	496.4	496.1	492.0	491.1	490.0	486.0
55°	453.0	454.2	453.6	453.6	453.6	454.2	453.0	450.5	449.9	446.1	442.4
57.5°	408.4	409.5	410.3	407.6	410.3	409.5	408.4	408.0	407.6	403.7	399.7
60°	377.4	380.5	379.8	378.6	379.8	380.5	377.4	378.0	376.1	373.7	371.1
62.5°	348.9	350.0	349.9	349.7	349.9	350.0	348.9	346.0	345.1	342.7	340.1
65°	304.9	306.1	304.3	306.1	304.3	306.1	304.9	303.0	298.6	297.4	294.9
67.5°	257.6	258.0	259.3	260.2	259.3	258.0	257.6	258.3	255.4	253.1	252.6
70°	228.0	227.5	229.3	231.2	229.3	227.5	228.0	226.8	224.9	223.1	220.5
72.5°	197.1	198.4	197.8	199.2	197.8	198.4	197.1	197.3	195.4	193.1	190.5
75°	151.8	153.7	153.1	155.0	153.1	153.7	151.8	153.1	151.8	149.4	146.8
77.5°	109.7	110.0	109.7	110.7	109.7	110.0	109.7	110.7	109.3	110.2	107.4
80°	83.7	82.5	81.2	83.7	81.2	82.5	83.7	83.7	81.9	83.7	81.9
82.5°	58.2	58.9	57.7	57.7	57.7	58.9	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	28.8	27.5	27.5
87.5°	8.0	7.6	7.6	7.2	7.6	7.6	8.0	7.9	7.8	8.7	8.6
90°	15.0	15.2	15.5	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0
92.5°	15.2	15.4	15.6	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2
95°	25.4	25.4	25.2	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1
97.5°	33.0	33.2	33.3	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5
100°	38.3	38.6	38.8	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3
102.5°	40.8	41.2	41.5	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9
105°	42.8	43.3	43.8	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4
107.5°	44.0	44.6	45.1	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9
110°	44.5	45.0	45.6	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	45.3	45.7	46.1	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9
115°	75.8	66.4	57.2	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9
117.5°	287.2	256.6	225.9	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6
120°	408.2	390.8	373.2	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6
122.5°	454.1	450.7	447.4	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9
125°	497.5	497.9	498.2	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6
127.5°	533.0	533.0	533.1	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5
130°	555.1	554.9	554.7	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6
132.5°	576.0	575.9	575.8	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2
135°	606.7	606.5	606.2	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9
137.5°	635.0	634.5	634.1	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4
140°	652.8	652.2	651.5	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9
142.5°	669.6	669.0	668.3	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9
145°	693.1	692.4	691.8	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8
147.5°	713.4	712.8	712.3	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5
150°	726.3	725.6	725.0	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3
152.5°	737.7	736.8	736.0	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9
155°	753.1	752.1	751.1	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8
157.5°	766.7	765.6	764.7	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0
160°	774.3	773.4	772.5	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7
162.5°	781.5	780.3	779.3	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9
165°	790.7	789.7	788.8	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7
167.5°	797.6	796.5	795.2	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1
170°	801.4	800.1	799.0	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8
172.5°	804.1	803.0	801.8	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6
175°	807.0	805.7	804.4	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7
177.5°	807.4	806.5	805.5	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1562.3	1567.7	1576.3	1585.3	1590.7	1601.2	1604.3	1609.2	1613.7	1624.2	1635.2
5°	1472.0	1480.8	1501.4	1512.6	1528.3	1546.4	1558.3	1570.8	1584.5	1608.3	1630.1
7.5°	1375.3	1389.9	1415.5	1436.6	1458.8	1484.8	1503.5	1528.3	1548.7	1582.3	1614.2
10°	1310.8	1331.5	1354.6	1379.6	1410.8	1438.3	1464.5	1495.7	1520.8	1560.7	1598.2
12.5°	1252.9	1256.0	1289.1	1316.6	1359.3	1393.3	1423.6	1463.8	1488.2	1535.8	1575.2
15°	1151.5	1170.3	1200.3	1222.1	1272.8	1315.8	1358.3	1400.2	1428.3	1487.0	1538.9
17.5°	1066.2	1083.5	1114.2	1150.0	1186.3	1229.2	1284.3	1328.4	1366.6	1433.7	1495.0
20°	1012.2	1033.4	1064.7	1101.6	1133.4	1180.2	1227.8	1278.4	1319.6	1395.2	1467.0
22.5°	966.2	982.9	1008.2	1044.6	1079.4	1122.3	1174.3	1229.4	1272.6	1354.2	1427.0
25°	901.6	915.3	931.6	961.6	1000.9	1047.8	1088.4	1149.0	1212.1	1288.3	1376.5
27.5°	843.3	853.1	867.5	893.8	924.3	968.2	1013.3	1070.8	1134.2	1217.0	1309.9
30°	807.9	814.2	828.5	850.4	880.4	914.7	960.3	1015.3	1080.3	1164.0	1256.5
32.5°	776.9	782.6	792.0	812.9	838.9	868.2	909.3	964.3	1026.3	1108.6	1211.0
35°	730.4	734.7	742.9	759.8	774.1	802.9	837.2	887.2	945.3	1024.1	1130.2
37.5°	684.0	690.1	695.0	702.1	720.6	739.6	769.4	811.6	868.6	948.1	1049.3
40°	653.5	658.5	666.0	669.2	684.2	701.0	725.4	764.1	821.7	894.1	992.8
42.5°	622.6	627.5	632.0	635.7	648.7	663.6	685.4	718.7	769.6	840.1	937.8
45°	580.4	581.1	585.5	592.3	598.6	609.2	624.8	653.5	692.9	759.1	847.8
47.5°	537.7	538.4	539.2	542.2	549.1	558.7	569.1	592.5	627.7	680.5	766.9
50°	509.2	507.9	509.2	511.7	516.1	524.2	536.1	552.9	581.7	631.0	710.4
52.5°	481.8	481.5	480.7	481.8	485.1	490.7	499.1	513.5	539.2	584.6	654.4
55°	439.9	436.8	437.3	434.9	440.5	441.7	448.0	459.8	482.3	513.6	579.2
57.5°	395.3	392.6	389.9	389.1	388.7	392.0	397.0	406.3	423.6	451.0	504.2
60°	366.7	363.6	359.9	358.7	358.7	360.5	363.1	369.9	386.1	410.5	454.2
62.5°	337.8	334.1	331.9	328.6	327.7	329.5	332.0	336.9	348.6	371.5	409.3
65°	293.0	288.7	285.5	284.9	283.6	281.8	283.1	288.0	297.4	315.5	345.5
67.5°	248.2	244.0	243.3	239.7	237.9	238.1	237.9	242.1	247.8	263.4	285.8
70°	218.7	215.6	214.3	211.2	209.9	208.7	207.4	211.2	216.8	229.9	249.3
72.5°	188.7	186.1	183.3	180.7	180.9	179.7	179.4	181.7	186.3	198.4	213.3
75°	145.6	146.2	143.1	140.0	139.3	138.1	138.1	140.0	141.9	151.2	163.1
77.5°	105.6	105.1	102.5	101.5	100.9	99.5	100.9	102.1	103.1	109.3	118.1
80°	80.6	80.6	77.5	77.5	76.9	75.0	76.9	75.6	78.1	84.4	90.6
82.5°	57.6	56.6	56.5	55.5	55.4	54.0	54.9	56.1	57.1	61.4	65.1
85°	28.1	28.1	27.5	26.9	27.5	26.9	27.5	28.1	28.8	30.7	33.8
87.5°	8.5	8.8	9.1	9.4	9.2	9.5	9.8	9.9	10.7	10.9	11.1
90°	12.3	11.7	10.6	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6
92.5°	13.9	13.5	13.0	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7
95°	23.4	22.7	21.9	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9
97.5°	31.0	30.4	28.4	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3
100°	34.2	33.3	31.1	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2
102.5°	35.5	34.2	52.6	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0
105°	37.0	35.5	70.9	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3
107.5°	48.3	49.8	92.2	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7
110°	89.1	102.1	139.5	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4



TEST NUMBER: P331438-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	210.2	257.4	266.7	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2
115°	299.9	359.9	356.6	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3
117.5°	384.1	398.6	396.3	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5
120°	429.0	427.5	425.2	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2
122.5°	455.9	455.0	452.5	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4
125°	493.7	492.8	490.3	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2
127.5°	528.2	526.8	525.1	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2
130°	550.2	548.8	547.4	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0
132.5°	571.9	570.7	569.3	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4
135°	602.6	601.3	600.1	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7
137.5°	631.1	629.9	628.5	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4
140°	649.7	648.6	647.1	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5
142.5°	666.8	665.8	664.1	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3
145°	690.9	689.9	687.7	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6
147.5°	711.8	711.2	709.0	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6
150°	724.6	723.7	721.7	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5
152.5°	736.2	735.4	733.4	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1
155°	752.0	751.1	749.6	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4
157.5°	765.2	764.3	763.1	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8
160°	773.0	772.2	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2
162.5°	780.1	779.2	778.5	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7
165°	788.8	787.9	787.5	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7
167.5°	796.1	795.2	794.9	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1
170°	799.9	799.0	798.7	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4
172.5°	802.7	801.8	801.5	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1
175°	805.8	804.9	804.5	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7
177.5°	806.2	805.5	805.4	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331438-930

CATALOG NUMBER: SA2XXDIP-C1005D725U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1634.3	1636.7	1644.7	1652.8	1661.7	1664.3	1668.3	1664.8	1663.7	1673.2	1680.3
5°	1638.8	1650.1	1672.0	1692.0	1708.9	1720.7	1733.2	1738.2	1747.6	1760.7	1776.9
7.5°	1633.6	1655.5	1689.9	1719.0	1750.7	1773.6	1791.5	1806.7	1825.2	1850.1	1877.1
10°	1627.6	1657.0	1698.8	1734.5	1773.2	1802.5	1826.9	1850.6	1878.2	1912.5	1948.2
12.5°	1616.7	1651.5	1703.8	1746.0	1795.7	1824.6	1857.4	1908.7	1938.1	1986.0	2036.1
15°	1594.5	1633.2	1706.3	1758.2	1814.4	1869.4	1930.1	1978.7	2027.5	2055.6	2126.2
17.5°	1561.6	1618.5	1699.5	1760.0	1831.4	1918.0	1986.2	2041.3	2097.6	2143.2	2178.6
20°	1535.1	1597.0	1689.5	1761.9	1846.9	1940.0	2018.1	2074.4	2123.1	2161.2	2183.0
22.5°	1501.6	1579.5	1669.5	1754.4	1863.0	1955.0	2037.1	2081.4	2122.1	2140.7	2149.0
25°	1448.9	1542.6	1644.5	1748.2	1870.7	1968.1	2043.1	2070.0	2081.9	2063.8	2033.8
27.5°	1392.0	1496.6	1615.6	1736.4	1865.9	1959.7	2013.4	2009.1	1989.0	1930.4	1883.5
30°	1349.6	1464.5	1592.6	1724.4	1854.4	1945.6	1976.9	1945.6	1900.1	1834.4	1767.6
32.5°	1305.1	1424.1	1568.1	1707.5	1833.4	1913.7	1920.4	1866.7	1796.1	1721.5	1638.1
35°	1237.7	1366.4	1522.0	1669.5	1788.8	1839.4	1809.5	1714.5	1630.8	1528.9	1415.2
37.5°	1161.6	1303.7	1459.8	1613.9	1722.0	1735.2	1660.8	1560.7	1442.7	1323.0	1189.1
40°	1104.6	1255.2	1415.8	1571.4	1667.0	1653.3	1558.3	1448.3	1307.7	1161.5	1037.1
42.5°	1053.7	1204.3	1367.8	1520.4	1597.0	1559.3	1448.3	1313.4	1162.3	1024.6	910.7
45°	965.3	1120.3	1287.8	1435.2	1479.0	1410.8	1264.0	1114.0	965.3	850.4	760.4
47.5°	879.6	1032.8	1198.7	1328.2	1343.7	1252.1	1091.7	937.3	809.5	715.9	652.4
50°	816.6	970.3	1134.7	1250.3	1245.2	1134.7	969.7	822.9	716.0	640.4	597.9
52.5°	760.1	905.3	1063.2	1168.2	1141.7	1021.2	863.7	733.4	645.6	586.4	548.0
55°	672.3	806.7	956.6	1040.9	992.2	858.5	725.4	620.4	555.5	511.1	481.1
57.5°	585.1	711.0	839.4	891.4	837.5	714.0	603.1	526.9	478.1	445.2	425.7
60°	531.1	641.1	755.4	800.4	736.1	626.1	538.6	470.5	431.1	404.2	386.8
62.5°	477.1	575.6	683.4	707.9	649.1	556.1	478.6	422.0	389.6	365.7	349.3
65°	403.7	484.2	566.1	582.3	528.0	456.1	394.8	358.0	329.3	311.8	298.6
67.5°	331.0	395.7	453.7	466.8	419.2	369.4	325.1	293.0	273.5	259.0	247.9
70°	288.0	339.2	386.8	397.4	359.3	314.9	281.2	255.5	238.1	225.6	214.9
72.5°	242.6	285.3	324.7	331.9	300.8	266.9	239.2	219.1	203.6	195.6	185.5
75°	185.6	210.6	241.2	243.0	222.4	201.8	180.6	167.5	159.3	149.4	144.3
77.5°	130.9	150.6	168.0	171.5	159.2	145.2	133.3	122.9	116.1	111.5	106.8
80°	100.0	115.6	123.1	127.4	118.7	108.7	101.8	95.0	90.6	87.5	84.4
82.5°	71.5	81.1	88.1	91.5	86.7	80.7	73.9	70.0	66.6	64.0	62.9
85°	36.2	40.6	45.0	46.2	45.0	42.5	38.7	38.7	36.9	36.2	36.2
87.5°	12.9	15.2	15.5	17.3	16.5	16.7	16.9	16.6	16.3	16.0	15.6
90°	2.0	3.4	4.9	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0
92.5°	11.7	11.5	11.4	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2
95°	33.7	29.4	25.1	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1
97.5°	63.2	51.1	39.1	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5
100°	85.4	67.8	50.0	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3
102.5°	130.3	126.5	122.8	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9
105°	181.2	185.1	189.0	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4
107.5°	229.8	232.9	236.0	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9
110°	261.1	263.8	266.5	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	290.7	293.0	295.5	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9
115°	337.5	339.7	341.9	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9
117.5°	379.9	382.4	384.8	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6
120°	410.2	412.1	414.1	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6
122.5°	436.4	438.5	440.5	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9
125°	475.8	477.5	479.2	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6
127.5°	512.1	514.0	515.8	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5
130°	535.2	537.2	539.2	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6
132.5°	558.2	559.9	561.7	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2
135°	588.8	590.8	593.0	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9
137.5°	618.8	620.3	621.7	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4
140°	638.5	639.5	640.6	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9
142.5°	655.2	656.2	657.0	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9
145°	680.4	680.4	680.2	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8
147.5°	703.1	702.6	702.1	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5
150°	717.6	716.7	715.8	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3
152.5°	730.1	729.1	728.1	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9
155°	748.3	747.1	745.9	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8
157.5°	762.8	761.8	760.8	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0
160°	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7
162.5°	778.9	778.1	777.3	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9
165°	788.9	788.1	787.3	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7
167.5°	796.4	795.6	794.8	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1
170°	800.5	799.8	799.0	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8
172.5°	803.3	802.6	801.8	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6
175°	806.8	805.9	805.0	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7
177.5°	807.6	806.9	806.2	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7	1625.7
2.5°	1686.2	1693.2	1693.2	1694.2	1702.2	1701.2	1700.7
5°	1794.5	1805.1	1806.3	1817.5	1825.0	1822.5	1815.7
7.5°	1896.5	1916.3	1931.3	1939.7	1949.5	1955.7	1952.9
10°	1977.5	2006.3	2023.7	2035.6	2050.0	2060.6	2056.8
12.5°	2051.0	2085.2	2109.3	2129.6	2131.4	2145.1	2135.8
15°	2165.6	2201.8	2205.5	2220.5	2232.5	2231.1	2231.8
17.5°	2203.4	2215.1	2217.5	2217.8	2217.9	2213.5	2204.1
20°	2190.0	2185.6	2175.0	2166.8	2152.5	2150.6	2138.1
22.5°	2126.0	2112.1	2085.5	2067.8	2045.5	2039.6	2036.1
25°	2000.0	1969.4	1926.9	1886.3	1875.0	1853.2	1859.5
27.5°	1827.2	1779.5	1733.5	1700.5	1670.6	1637.9	1647.2
30°	1705.7	1652.0	1587.0	1537.0	1505.1	1473.9	1468.3
32.5°	1560.7	1482.1	1409.6	1365.5	1316.7	1297.0	1275.4
35°	1310.8	1234.0	1162.1	1100.2	1064.7	1037.1	1012.2
37.5°	1086.1	997.6	939.6	889.5	863.7	848.0	852.0
40°	946.6	869.1	826.6	788.5	764.8	753.5	756.0
42.5°	833.6	775.6	740.6	714.5	697.8	691.5	690.1
45°	705.4	672.9	644.2	629.2	621.1	614.2	609.8
47.5°	617.9	591.4	575.2	566.3	559.2	552.2	552.0
50°	565.4	548.0	536.7	527.3	521.7	516.7	521.1
52.5°	525.5	509.5	498.2	489.8	487.7	483.2	483.1
55°	466.1	453.6	445.5	438.0	434.2	431.7	428.6
57.5°	412.1	400.2	392.7	388.0	380.9	378.4	377.4
60°	373.7	364.3	356.8	350.5	347.4	342.4	342.4
62.5°	338.1	328.8	321.8	317.0	311.9	309.9	310.4
65°	286.8	279.3	272.4	267.4	266.2	262.4	263.7
67.5°	239.5	234.6	227.3	224.5	222.2	220.2	218.7
70°	208.1	203.1	199.3	195.6	193.7	193.7	193.7
72.5°	181.6	175.5	173.3	168.6	169.7	167.7	165.7
75°	140.6	136.8	134.9	133.1	130.0	130.0	130.0
77.5°	103.5	102.3	100.1	98.1	97.3	96.7	96.9
80°	80.0	79.3	78.1	78.1	76.9	76.2	75.0
82.5°	61.5	59.8	59.1	58.6	58.4	58.2	58.0
85°	35.0	33.8	33.8	34.3	33.1	33.1	33.8
87.5°	16.2	16.4	15.9	16.0	16.6	16.1	16.1
90°	13.6	14.3	14.7	15.0	15.2	15.5	15.7
92.5°	14.5	14.8	15.2	15.2	15.4	15.6	15.7
95°	24.7	25.4	25.6	25.4	25.4	25.2	25.1
97.5°	32.0	32.5	32.9	33.0	33.2	33.3	33.5
100°	36.4	37.4	38.1	38.3	38.6	38.8	39.1
102.5°	38.2	39.5	40.4	40.8	41.2	41.5	41.9
105°	39.9	41.3	42.2	42.8	43.3	43.8	44.4
107.5°	45.4	44.0	43.5	44.0	44.6	45.1	45.6
110°	63.2	50.2	44.0	44.5	45.0	45.6	46.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	115.6	68.3	44.8	45.3	45.7	46.1	46.6
115°	179.9	119.8	85.1	75.8	66.4	57.2	47.9
117.5°	355.0	340.5	317.9	287.2	256.6	225.9	195.3
120°	432.2	433.7	425.7	408.2	390.8	373.2	355.8
122.5°	457.8	458.8	457.5	454.1	450.7	447.4	443.9
125°	495.5	496.4	497.1	497.5	497.9	498.2	498.6
127.5°	530.8	532.1	532.9	533.0	533.0	533.1	533.2
130°	553.1	554.5	555.1	555.1	554.9	554.7	554.6
132.5°	574.4	575.6	576.2	576.0	575.9	575.8	575.6
135°	605.2	606.5	607.0	606.7	606.5	606.2	605.9
137.5°	633.7	635.0	635.4	635.0	634.5	634.1	633.6
140°	652.0	653.2	653.5	652.8	652.2	651.5	650.9
142.5°	669.0	670.0	670.3	669.6	669.0	668.3	667.6
145°	692.7	693.6	693.7	693.1	692.4	691.8	691.1
147.5°	713.2	713.9	714.0	713.4	712.8	712.3	711.8
150°	726.1	726.8	726.9	726.3	725.6	725.0	724.3
152.5°	737.8	738.6	738.5	737.7	736.8	736.0	735.1
155°	753.5	754.3	754.2	753.1	752.1	751.1	750.0
157.5°	766.9	767.8	767.7	766.7	765.6	764.7	763.7
160°	774.5	775.3	775.2	774.3	773.4	772.5	771.6
162.5°	781.8	782.7	782.6	781.5	780.3	779.3	778.1
165°	790.7	791.6	791.6	790.7	789.7	788.8	787.9
167.5°	798.0	798.9	798.7	797.6	796.5	795.2	794.1
170°	801.7	802.7	802.5	801.4	800.1	799.0	797.9
172.5°	804.5	805.4	805.3	804.1	803.0	801.8	800.6
175°	807.6	808.5	808.3	807.0	805.7	804.4	803.1
177.5°	807.7	808.5	808.4	807.4	806.5	805.5	804.6
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0

(END OF REPORT)