

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: P331439

Luminaire Tested: **S122DIP-S1005D725U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331439
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S1005D725U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 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: 6992.9 lumens
Efficiency: N/A
Efficacy: 115.2 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

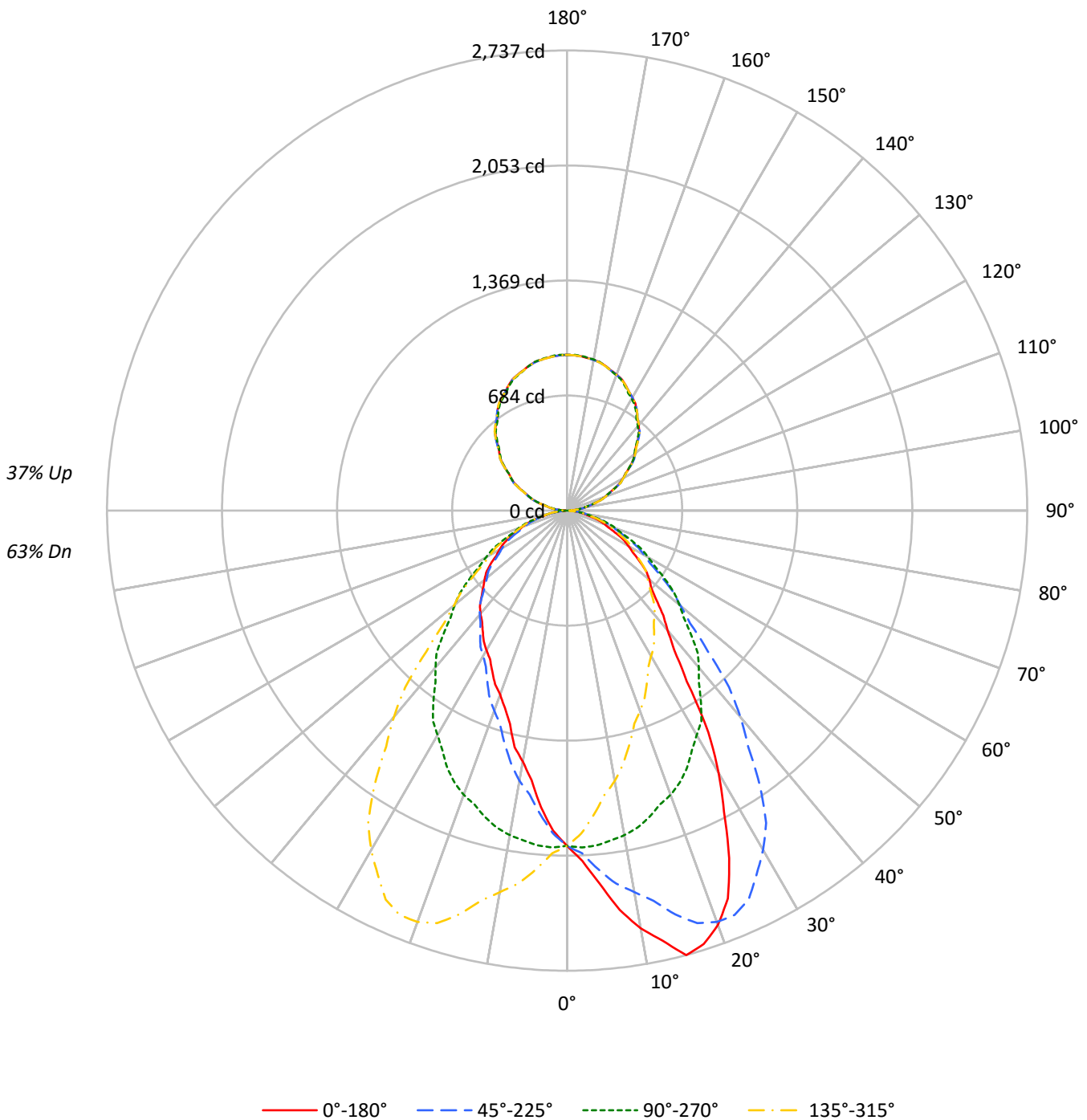
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63																												
1	101	97	93	90	95	91	88	85	80	78	76	70	69	67	61	60	59	54																												
2	93	86	80	75	87	81	75	71	71	67	64	62	59	57	54	52	50	46																												
3	85	76	69	63	80	71	65	60	63	58	54	56	52	49	49	46	44	40																												
4	78	68	60	54	73	64	57	51	57	51	47	50	46	42	44	41	38	35																												
5	72	61	53	47	67	57	50	45	51	45	41	45	41	37	40	36	34	31																												
6	67	55	47	41	62	52	45	39	46	40	36	41	37	33	37	33	30	27																												
7	62	50	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	24																												
8	58	45	38	32	54	43	36	31	39	33	29	35	30	27	31	27	24	22																												
9	54	42	34	29	50	40	33	28	36	30	26	32	27	24	29	25	22	20																												
10	50	38	31	26	47	36	30	25	33	27	24	30	25	22	27	23	20	18																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32195	32195	32195	32195
5°	36094	32405	28716	32405
10°	41361	32139	24851	32139
15°	45757	31550	21956	31550
20°	45060	30917	20015	30917
25°	40631	30077	18786	30077
30°	33575	28732	17889	28732
35°	24471	27325	17251	27325
40°	19545	25665	16895	25665
45°	17080	23745	16413	23745
50°	16053	21886	16093	21886
55°	14798	19997	15662	19997
60°	13563	17990	14996	17990
65°	12355	16191	14346	16191
70°	11216	14436	13388	14436
75°	9944	12477	11859	12477
80°	8554	10330	9549	10330
85°	7669	7669	5687	7669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	2.7
10°-20°	552.1	7.9
20°-30°	801.2	11.5
30°-40°	845.5	12.1
40°-50°	748.6	10.7
50°-60°	597.4	8.5
60°-70°	406.1	5.8
70°-80°	208.2	3.0
80°-90°	53.9	0.8
90°-100°	58.7	0.8
100°-110°	182.3	2.6
110°-120°	311.6	4.5
120°-130°	409.8	5.9
130°-140°	459.9	6.6
140°-150°	450.9	6.4
150°-160°	378.2	5.4
160°-170°	250.9	3.6
170°-180°	87.7	1.3
0°-30°	1543.2	22.1
0°-40°	2388.7	34.2
0°-60°	3734.8	53.4
0°-90°	4403.0	63.0
90°-120°	552.6	7.9
90°-150°	1873.2	26.8
90°-180°	2590.0	37.0
0°-180°	6992.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1994	1994	1994	1994	1994	
5°	2227	1999	1772	1999	2227	222
15°	2737	1888	1314	1888	2737	755
25°	2281	1688	1054	1688	2281	1031
35°	1242	1386	875	1386	1242	807
45°	748	1040	719	1040	748	588
55°	526	710	556	710	526	471
65°	323	424	376	424	323	322
75°	159	200	190	200	159	170
85°	41	41	31	41	41	46
90°	27	1	27	1	27	14
95°	48	41	48	41	48	54
105°	174	168	174	168	174	182
115°	313	313	313	313	313	309
125°	456	455	456	455	456	407
135°	596	589	596	589	596	458
145°	722	714	722	714	722	451
155°	823	817	823	817	823	379
165°	890	889	890	889	890	251
175°	922	925	922	925	922	88
180°	926	926	926	926	926	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2086.0	2086.6	2087.8	2078.0	2076.8	2076.8	2068.2	2060.9	2052.3	2040.6	2041.9
5°	2227.0	2235.4	2238.5	2229.3	2215.5	2214.0	2201.0	2179.5	2159.6	2143.5	2132.0
7.5°	2395.3	2398.7	2391.2	2379.1	2368.8	2350.4	2326.2	2302.4	2269.2	2238.7	2216.0
10°	2522.8	2527.4	2514.4	2496.8	2482.2	2460.8	2425.5	2389.5	2345.8	2303.7	2269.9
12.5°	2619.7	2631.0	2614.3	2612.0	2587.1	2557.6	2515.6	2497.4	2435.9	2377.2	2341.1
15°	2737.4	2736.6	2738.2	2723.6	2705.2	2700.6	2656.2	2607.9	2521.3	2486.8	2427.0
17.5°	2703.4	2715.0	2720.4	2720.2	2719.8	2716.9	2702.6	2672.1	2628.7	2572.8	2503.8
20°	2622.5	2637.8	2640.1	2657.7	2667.7	2680.7	2686.1	2677.6	2650.8	2604.1	2544.3
22.5°	2497.4	2501.7	2508.9	2536.3	2557.9	2590.6	2607.6	2635.9	2625.7	2602.8	2552.9
25°	2280.7	2273.0	2299.8	2313.6	2363.4	2415.5	2453.1	2494.5	2531.3	2553.5	2538.9
27.5°	2020.4	2008.9	2049.1	2085.7	2126.2	2182.6	2241.1	2310.2	2367.7	2439.6	2464.3
30°	1800.9	1807.8	1846.1	1885.2	1946.5	2026.2	2092.1	2168.0	2250.0	2330.5	2386.4
32.5°	1564.3	1590.8	1615.0	1674.9	1728.9	1817.8	1914.3	2009.2	2111.5	2203.0	2289.6
35°	1241.5	1272.1	1305.9	1349.5	1425.4	1513.5	1607.8	1735.8	1875.3	2000.2	2102.9
37.5°	1045.0	1040.1	1059.4	1091.0	1152.4	1223.6	1332.1	1458.5	1622.7	1769.5	1914.3
40°	927.3	924.2	938.0	967.1	1013.9	1066.0	1161.0	1272.1	1424.6	1604.0	1776.4
42.5°	846.4	848.2	855.9	876.4	908.4	951.3	1022.5	1117.0	1256.7	1425.6	1610.9
45°	748.0	753.3	761.8	771.7	790.1	825.4	865.2	932.7	1043.0	1184.0	1366.4
47.5°	677.1	677.3	685.9	694.6	705.5	725.4	757.9	800.2	878.1	992.9	1149.7
50°	639.1	633.8	639.9	646.8	658.3	672.1	693.5	733.4	785.5	878.2	1009.3
52.5°	592.5	592.7	598.2	600.8	611.1	624.9	644.5	672.1	719.3	791.8	899.5
55°	525.7	529.5	532.6	537.2	546.4	556.4	571.7	590.1	626.9	681.3	761.0
57.5°	462.9	464.1	467.2	475.9	481.7	490.9	505.5	522.2	546.1	586.4	646.3
60°	420.0	420.0	426.1	429.9	437.6	446.8	458.3	474.4	495.8	528.8	577.1
62.5°	380.7	380.1	382.6	388.8	394.7	403.3	414.7	428.4	448.6	477.9	517.6
65°	323.4	321.9	326.5	328.0	334.1	342.6	351.8	366.3	382.4	403.9	439.1
67.5°	268.2	270.1	272.5	275.4	278.8	287.7	293.8	304.1	317.7	335.5	359.4
70°	237.6	237.6	237.6	239.9	244.5	249.1	255.2	263.6	276.7	292.0	313.4
72.5°	203.2	205.7	208.1	206.8	212.6	215.3	222.7	227.5	239.9	249.7	268.7
75°	159.4	159.4	159.4	163.2	165.5	167.8	172.4	177.0	183.2	195.4	205.4
77.5°	118.9	118.6	119.4	120.3	122.8	125.5	126.9	131.0	136.7	142.4	150.8
80°	92.0	93.5	94.3	95.8	95.8	97.3	98.1	103.5	107.3	111.1	116.5
82.5°	71.1	71.4	71.6	71.9	72.5	73.4	75.4	77.1	78.5	81.7	85.8
85°	41.4	40.6	40.6	42.1	41.4	41.4	42.9	44.4	44.4	45.2	47.5
87.5°	21.3	21.2	21.8	21.2	21.1	21.7	21.8	21.3	22.0	22.6	22.5
90°	26.6	26.4	26.2	26.1	25.9	26.0	26.3	26.7	27.0	27.4	23.5
92.5°	25.3	25.3	25.3	25.2	25.2	25.1	25.1	25.0	24.9	24.9	24.0
95°	48.5	48.8	49.2	49.5	49.9	50.0	50.0	50.0	50.0	50.0	49.7
97.5°	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	83.4
100°	107.1	107.3	107.4	107.6	107.8	107.9	107.9	107.9	107.9	107.9	107.3
102.5°	133.3	133.5	133.7	133.9	134.0	134.1	133.9	133.8	133.6	133.5	132.8
105°	173.5	173.5	173.5	173.5	173.5	173.4	173.0	172.7	172.3	172.0	171.6
107.5°	211.4	212.2	213.0	213.8	214.6	214.9	214.7	214.6	214.5	214.3	214.3
110°	240.7	241.3	241.8	242.3	242.8	243.1	243.1	243.1	243.1	243.1	243.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	268.9	269.3	269.6	270.0	270.4	270.8	271.2	271.6	272.1	272.5	272.6
115°	312.7	313.2	313.7	314.2	314.7	315.1	315.3	315.4	315.6	315.8	316.1
117.5°	354.4	354.9	355.4	356.0	356.5	356.9	357.4	357.8	358.2	358.6	359.6
120°	383.8	384.3	384.8	385.3	385.9	386.1	386.1	386.1	386.1	386.1	387.5
122.5°	412.6	412.9	413.3	413.7	414.1	414.5	414.9	415.3	415.7	416.1	417.1
125°	456.5	456.7	456.8	457.0	457.2	457.5	458.0	458.6	459.1	459.6	460.1
127.5°	496.5	497.1	497.6	498.2	498.7	499.3	499.9	500.6	501.2	501.8	502.4
130°	525.3	526.0	526.7	527.3	528.0	528.6	528.9	529.3	529.6	530.0	530.3
132.5°	552.8	553.3	553.9	554.4	555.0	555.7	556.4	557.2	558.0	558.7	558.6
135°	595.6	596.1	596.7	597.2	597.7	598.0	598.2	598.4	598.6	598.7	598.4
137.5°	634.4	635.1	635.8	636.5	637.2	637.6	637.7	637.9	638.0	638.1	637.7
140°	661.3	662.0	662.7	663.4	664.0	664.4	664.4	664.4	664.4	664.4	663.5
142.5°	685.7	686.4	687.0	687.7	688.4	688.7	688.6	688.4	688.3	688.2	687.6
145°	722.2	722.9	723.6	724.3	725.0	725.3	725.1	724.9	724.8	724.6	723.5
147.5°	754.9	755.6	756.2	756.9	757.6	757.7	757.3	756.9	756.5	756.2	755.5
150°	776.2	776.7	777.2	777.7	778.3	778.3	777.7	777.2	776.7	776.2	775.5
152.5°	796.2	796.8	797.5	798.2	798.8	798.8	798.2	797.5	796.8	796.2	795.3
155°	823.1	823.6	824.1	824.6	825.2	825.0	824.1	823.2	822.4	821.5	821.0
157.5°	846.2	847.0	847.9	848.7	849.5	849.4	848.2	847.0	845.8	844.6	844.3
160°	860.6	861.3	862.0	862.7	863.4	863.2	862.2	861.1	860.1	859.0	858.9
162.5°	873.1	873.9	874.8	875.6	876.4	876.3	875.1	873.9	872.7	871.5	871.4
165°	889.5	890.4	891.2	892.1	893.0	892.8	891.6	890.4	889.2	887.9	887.9
167.5°	903.0	903.9	904.8	905.7	906.6	906.4	905.2	904.0	902.8	901.5	901.6
170°	909.8	910.9	911.9	913.0	914.0	913.9	912.7	911.5	910.3	909.0	909.2
172.5°	915.5	916.5	917.5	918.6	919.6	919.5	918.3	917.1	915.9	914.7	914.9
175°	921.6	922.6	923.6	924.7	925.7	925.6	924.4	923.2	922.0	920.8	921.1
177.5°	924.4	925.2	926.0	926.9	927.7	927.7	926.9	926.0	925.2	924.4	924.6
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2046.2	2041.3	2038.2	2027.2	2017.3	2007.5	2004.5	2005.7	1992.2	1979.3	1973.8
5°	2125.9	2110.5	2096.0	2075.3	2050.8	2023.9	2010.1	1999.4	1972.6	1943.5	1926.6
7.5°	2197.3	2175.4	2147.3	2108.4	2072.7	2030.5	2003.7	1979.9	1940.7	1899.6	1874.5
10°	2240.8	2210.9	2174.9	2127.4	2083.7	2032.4	1996.3	1960.3	1914.3	1865.3	1834.6
12.5°	2278.2	2237.9	2202.5	2141.5	2089.8	2025.6	1982.9	1932.1	1883.7	1825.4	1795.4
15°	2367.3	2292.9	2225.5	2156.5	2092.9	2003.2	1955.7	1887.5	1823.9	1751.9	1717.4
17.5°	2436.1	2352.5	2246.3	2158.7	2084.5	1985.2	1915.4	1833.7	1758.5	1676.2	1629.3
20°	2475.3	2379.5	2265.3	2161.1	2072.2	1958.8	1882.9	1799.4	1711.3	1618.5	1568.0
22.5°	2498.6	2397.9	2285.0	2151.9	2047.7	1937.3	1841.8	1750.3	1661.0	1560.9	1507.9
25°	2506.0	2414.0	2294.5	2144.3	2017.0	1892.1	1777.2	1688.3	1580.2	1486.7	1409.3
27.5°	2469.5	2403.6	2288.6	2129.8	1981.6	1835.6	1707.4	1606.7	1492.7	1391.2	1313.4
30°	2424.7	2386.4	2274.5	2115.1	1953.4	1796.3	1655.3	1541.1	1427.7	1325.0	1245.3
32.5°	2355.5	2347.2	2248.8	2094.3	1923.4	1746.7	1600.8	1485.3	1359.7	1258.8	1182.8
35°	2219.4	2256.1	2194.1	2047.7	1866.8	1676.0	1518.1	1386.3	1256.1	1159.5	1088.2
37.5°	2037.0	2128.3	2112.1	1979.5	1790.5	1599.1	1424.8	1287.0	1162.9	1065.4	995.5
40°	1911.3	2027.8	2044.6	1927.4	1736.6	1539.6	1354.9	1217.7	1096.6	1007.8	937.2
42.5°	1776.4	1912.5	1958.8	1864.8	1677.7	1477.1	1292.4	1150.3	1030.4	944.0	881.5
45°	1550.3	1730.4	1814.0	1760.3	1579.5	1374.1	1184.0	1039.9	931.1	849.9	801.6
47.5°	1339.0	1535.8	1648.1	1629.1	1470.2	1266.8	1078.9	940.6	834.7	769.9	726.7
50°	1189.4	1391.7	1527.3	1533.5	1391.7	1190.1	1001.6	871.3	774.0	713.5	678.2
52.5°	1059.4	1252.5	1400.4	1432.9	1304.0	1110.4	932.3	802.7	717.0	661.4	629.8
55°	889.7	1053.0	1217.0	1276.7	1173.3	989.4	824.6	710.4	629.9	591.6	564.0
57.5°	739.7	875.8	1027.2	1093.3	1029.5	872.1	717.6	618.4	553.2	519.6	498.4
60°	660.6	767.9	902.8	981.7	926.5	786.3	651.4	557.1	503.5	473.6	453.7
62.5°	587.0	682.1	796.1	868.3	838.2	706.0	585.2	502.0	455.7	427.6	413.2
65°	484.3	559.4	647.6	714.2	694.3	593.9	495.1	423.8	387.0	364.8	353.3
67.5°	398.8	453.1	514.2	572.6	556.5	485.4	406.0	350.5	323.1	303.9	297.0
70°	344.9	386.2	440.7	487.4	474.4	416.1	353.3	305.8	282.0	265.9	259.0
72.5°	293.4	327.4	368.9	407.1	398.3	349.9	297.5	261.6	243.4	228.5	222.9
75°	221.5	247.5	272.8	298.1	295.8	258.3	227.6	200.0	185.5	174.0	171.7
77.5°	163.5	178.1	195.3	210.3	206.1	184.7	160.6	144.8	134.1	126.4	125.2
80°	124.9	133.3	145.6	156.3	151.0	141.8	122.6	111.1	103.5	95.8	92.7
82.5°	90.6	99.0	106.4	112.2	108.1	99.5	87.7	79.9	75.3	70.0	68.8
85°	47.5	52.1	55.2	56.7	55.2	49.8	44.4	41.4	37.6	35.3	34.5
87.5°	22.3	21.6	20.8	21.4	19.2	18.8	15.9	13.6	13.4	13.3	12.4
90°	19.7	15.9	12.1	9.1	7.0	5.0	2.9	0.8	2.9	5.0	7.0
92.5°	23.0	22.1	21.2	20.0	18.5	17.0	15.4	13.9	15.4	17.0	18.5
95°	49.3	49.0	48.6	47.6	45.9	44.1	42.4	40.6	42.4	44.1	45.9
97.5°	82.8	82.1	81.5	80.4	78.8	77.3	75.8	74.3	75.8	77.3	78.8
100°	106.8	106.3	105.8	104.8	103.4	102.0	100.7	99.3	100.7	102.0	103.4
102.5°	132.2	131.5	130.9	130.0	128.9	127.8	126.6	125.5	126.6	127.8	128.9
105°	171.3	170.9	170.6	170.1	169.6	169.1	168.6	168.1	168.6	169.1	169.6
107.5°	214.3	214.3	214.3	213.9	213.2	212.4	211.7	210.9	211.7	212.4	213.2
110°	243.1	243.1	243.1	242.6	241.5	240.5	239.4	238.4	239.4	240.5	241.5



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.8	272.9	273.0	272.6	271.5	270.5	269.5	268.4	269.5	270.5	271.5
115°	316.5	316.8	317.2	316.8	315.8	314.7	313.7	312.7	313.7	314.7	315.8
117.5°	360.6	361.5	362.5	362.3	360.9	359.5	358.1	356.7	358.1	359.5	360.9
120°	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1	387.5	388.9	390.3
122.5°	418.1	419.1	420.0	419.7	418.0	416.4	414.7	413.0	414.7	416.4	418.0
125°	460.6	461.2	461.7	461.2	459.6	458.0	456.5	454.9	456.5	458.0	459.6
127.5°	503.1	503.7	504.3	503.6	501.7	499.7	497.7	495.7	497.7	499.7	501.7
130°	530.6	531.0	531.3	530.4	528.1	525.9	523.6	521.4	523.6	525.9	528.1
132.5°	558.6	558.5	558.4	557.5	555.6	553.8	552.0	550.1	552.0	553.8	555.6
135°	598.0	597.7	597.3	596.2	594.3	592.4	590.5	588.6	590.5	592.4	594.3
137.5°	637.2	636.8	636.3	635.3	633.8	632.2	630.6	629.1	630.6	632.2	633.8
140°	662.7	661.8	660.9	659.7	658.1	656.6	655.0	653.5	655.0	656.6	658.1
142.5°	687.0	686.4	685.8	684.7	683.2	681.6	680.0	678.5	680.0	681.6	683.2
145°	722.5	721.5	720.4	719.3	718.1	716.9	715.6	714.4	715.6	716.9	718.1
147.5°	754.8	754.1	753.4	752.3	750.8	749.4	747.9	746.5	747.9	749.4	750.8
150°	774.8	774.1	773.4	772.5	771.5	770.4	769.4	768.4	769.4	770.4	771.5
152.5°	794.5	793.7	792.8	791.9	790.9	789.8	788.8	787.7	788.8	789.8	790.9
155°	820.5	819.9	819.4	818.9	818.4	817.9	817.3	816.8	817.3	817.9	818.4
157.5°	844.0	843.7	843.4	843.1	842.7	842.4	842.0	841.7	842.0	842.4	842.7
160°	858.7	858.5	858.3	858.1	857.7	857.4	857.0	856.7	857.0	857.4	857.7
162.5°	871.2	871.0	870.8	870.7	870.6	870.6	870.5	870.4	870.5	870.6	870.6
165°	887.9	887.9	887.9	888.0	888.2	888.4	888.6	888.7	888.6	888.4	888.2
167.5°	901.6	901.7	901.7	902.0	902.5	903.0	903.5	904.0	903.5	903.0	902.5
170°	909.4	909.6	909.7	910.1	910.6	911.1	911.7	912.2	911.7	911.1	910.6
172.5°	915.0	915.2	915.4	915.7	916.2	916.8	917.3	917.8	917.3	916.8	916.2
175°	921.5	921.8	922.2	922.6	923.1	923.6	924.2	924.7	924.2	923.6	923.1
177.5°	924.9	925.2	925.5	925.8	926.2	926.7	927.1	927.5	927.1	926.7	926.2
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1967.7	1964.0	1951.1	1944.4	1933.4	1922.9	1916.2	1919.3	1921.7	1920.5	1918.6
5°	1911.3	1896.7	1874.5	1855.3	1841.5	1816.3	1805.5	1800.2	1795.6	1790.2	1784.8
7.5°	1844.1	1821.2	1789.3	1762.0	1736.2	1704.8	1686.9	1676.2	1665.1	1653.0	1642.3
10°	1796.3	1764.1	1730.4	1692.1	1661.5	1633.1	1607.8	1590.9	1575.6	1561.1	1550.3
12.5°	1746.1	1709.0	1667.3	1614.9	1581.1	1540.5	1536.7	1507.0	1483.0	1474.0	1461.4
15°	1666.0	1613.9	1561.1	1499.0	1472.2	1435.4	1412.4	1389.4	1368.7	1354.1	1350.3
17.5°	1575.2	1507.7	1455.1	1410.5	1366.6	1328.9	1307.7	1289.3	1272.3	1252.8	1250.2
20°	1505.9	1447.6	1390.2	1351.1	1305.9	1267.5	1241.5	1223.1	1208.5	1197.0	1187.1
22.5°	1440.3	1376.5	1323.9	1281.2	1236.6	1205.6	1185.1	1167.3	1155.2	1142.5	1133.1
25°	1335.0	1285.2	1227.7	1179.4	1142.6	1122.7	1105.8	1090.5	1082.9	1074.4	1063.7
27.5°	1242.9	1187.5	1133.7	1096.3	1064.0	1046.4	1034.4	1024.0	1016.8	1011.9	1005.8
30°	1177.9	1121.9	1079.8	1043.0	1016.2	998.6	990.9	984.8	976.3	973.3	970.2
32.5°	1115.3	1064.9	1028.9	997.0	971.4	959.9	952.9	947.4	940.8	937.7	931.6
35°	1026.9	984.8	949.5	931.9	911.2	901.2	895.9	888.2	882.1	879.0	878.2
37.5°	943.7	907.1	883.9	861.2	852.5	846.4	839.0	833.8	832.0	831.5	830.7
40°	889.7	859.8	839.2	820.8	816.9	807.7	801.6	797.0	797.0	797.8	797.0
42.5°	840.7	813.9	795.6	779.7	775.2	769.7	763.6	763.3	764.5	767.1	764.5
45°	766.4	747.2	734.2	726.5	718.1	712.7	711.9	714.2	715.0	715.8	718.1
47.5°	698.0	685.3	673.5	665.0	661.4	660.4	659.5	663.5	667.2	668.6	672.1
50°	657.5	643.0	633.0	627.6	624.6	623.0	624.6	629.2	632.2	636.1	638.4
52.5°	612.2	601.9	595.0	590.9	589.6	590.6	590.9	596.1	601.0	602.4	603.4
55°	549.5	541.8	540.3	533.4	536.4	535.7	539.5	542.6	547.2	551.8	552.5
57.5°	486.9	480.8	476.7	477.3	478.2	481.6	484.8	490.2	495.1	500.0	500.4
60°	445.3	442.2	439.9	439.9	441.4	446.0	449.8	455.2	458.3	461.3	463.6
62.5°	407.2	404.2	401.9	403.1	407.1	409.8	414.3	417.2	420.3	423.3	424.4
65°	347.2	345.6	347.9	349.5	350.2	354.1	359.4	361.7	364.8	366.3	371.7
67.5°	291.8	292.1	291.8	294.0	298.4	299.3	304.4	309.8	310.4	313.3	316.8
70°	254.4	256.0	257.5	259.0	262.9	264.4	268.2	270.5	273.6	275.9	278.2
72.5°	220.1	220.4	221.9	221.6	224.8	228.2	231.4	233.7	236.8	239.7	242.0
75°	169.4	169.4	170.9	171.7	175.5	179.3	178.6	180.1	183.2	186.2	187.8
77.5°	123.7	122.0	123.7	124.5	125.7	128.9	129.5	131.7	135.2	134.1	135.8
80°	94.3	92.0	94.3	95.0	95.0	98.9	98.9	100.4	102.7	100.4	102.7
82.5°	67.3	66.2	67.9	68.1	69.3	69.4	70.7	71.0	73.3	72.2	73.3
85°	33.7	33.0	33.7	33.0	33.7	34.5	34.5	33.7	33.7	35.3	33.0
87.5°	12.2	12.2	12.4	13.1	13.3	13.4	12.8	12.7	12.6	11.3	11.3
90°	9.1	12.1	15.9	19.7	23.5	27.4	27.0	26.7	26.3	26.0	25.9
92.5°	20.0	21.2	22.1	23.0	24.0	24.9	24.9	25.0	25.1	25.1	25.2
95°	47.6	48.6	49.0	49.3	49.7	50.0	50.0	50.0	50.0	50.0	49.9
97.5°	80.4	81.5	82.1	82.8	83.4	84.1	84.1	84.1	84.1	84.1	84.1
100°	104.8	105.8	106.3	106.8	107.3	107.9	107.9	107.9	107.9	107.9	107.8
102.5°	130.0	130.9	131.5	132.2	132.8	133.5	133.6	133.8	133.9	134.1	134.0
105°	170.1	170.6	170.9	171.3	171.6	172.0	172.3	172.7	173.0	173.4	173.5
107.5°	213.9	214.3	214.3	214.3	214.3	214.3	214.5	214.6	214.7	214.9	214.6
110°	242.6	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	242.8



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	272.6	273.0	272.9	272.8	272.6	272.5	272.1	271.6	271.2	270.8	270.4
115°	316.8	317.2	316.8	316.5	316.1	315.8	315.6	315.4	315.3	315.1	314.7
117.5°	362.3	362.5	361.5	360.6	359.6	358.6	358.2	357.8	357.4	356.9	356.5
120°	391.7	391.7	390.3	388.9	387.5	386.1	386.1	386.1	386.1	386.1	385.9
122.5°	419.7	420.0	419.1	418.1	417.1	416.1	415.7	415.3	414.9	414.5	414.1
125°	461.2	461.7	461.2	460.6	460.1	459.6	459.1	458.6	458.0	457.5	457.2
127.5°	503.6	504.3	503.7	503.1	502.4	501.8	501.2	500.6	499.9	499.3	498.7
130°	530.4	531.3	531.0	530.6	530.3	530.0	529.6	529.3	528.9	528.6	528.0
132.5°	557.5	558.4	558.5	558.6	558.6	558.7	558.0	557.2	556.4	555.7	555.0
135°	596.2	597.3	597.7	598.0	598.4	598.7	598.6	598.4	598.2	598.0	597.7
137.5°	635.3	636.3	636.8	637.2	637.7	638.1	638.0	637.9	637.7	637.6	637.2
140°	659.7	660.9	661.8	662.7	663.5	664.4	664.4	664.4	664.4	664.4	664.0
142.5°	684.7	685.8	686.4	687.0	687.6	688.2	688.3	688.4	688.6	688.7	688.4
145°	719.3	720.4	721.5	722.5	723.5	724.6	724.8	724.9	725.1	725.3	725.0
147.5°	752.3	753.4	754.1	754.8	755.5	756.2	756.5	756.9	757.3	757.7	757.6
150°	772.5	773.4	774.1	774.8	775.5	776.2	776.7	777.2	777.7	778.3	778.3
152.5°	791.9	792.8	793.7	794.5	795.3	796.2	796.8	797.5	798.2	798.8	798.8
155°	818.9	819.4	819.9	820.5	821.0	821.5	822.4	823.2	824.1	825.0	825.2
157.5°	843.1	843.4	843.7	844.0	844.3	844.6	845.8	847.0	848.2	849.4	849.5
160°	858.1	858.3	858.5	858.7	858.9	859.0	860.1	861.1	862.2	863.2	863.4
162.5°	870.7	870.8	871.0	871.2	871.4	871.5	872.7	873.9	875.1	876.3	876.4
165°	888.0	887.9	887.9	887.9	887.9	887.9	889.2	890.4	891.6	892.8	893.0
167.5°	902.0	901.7	901.7	901.6	901.6	901.5	902.8	904.0	905.2	906.4	906.6
170°	910.1	909.7	909.6	909.4	909.2	909.0	910.3	911.5	912.7	913.9	914.0
172.5°	915.7	915.4	915.2	915.0	914.9	914.7	915.9	917.1	918.3	919.5	919.6
175°	922.6	922.2	921.8	921.5	921.1	920.8	922.0	923.2	924.4	925.6	925.7
177.5°	925.8	925.5	925.2	924.9	924.6	924.4	925.2	926.0	926.9	927.7	927.7
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331439

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1912.5	1911.3	1911.3	1905.8	1911.3	1911.3	1912.5	1918.6	1920.5	1921.7	1919.3
5°	1774.1	1771.8	1768.0	1771.8	1768.0	1771.8	1774.1	1784.8	1790.2	1795.6	1800.2
7.5°	1637.2	1628.0	1626.7	1617.6	1626.7	1628.0	1637.2	1642.3	1653.0	1665.1	1676.2
10°	1537.3	1531.2	1530.4	1515.8	1530.4	1531.2	1537.3	1550.3	1561.1	1575.6	1590.9
12.5°	1461.3	1446.6	1449.5	1441.0	1449.5	1446.6	1461.3	1461.4	1474.0	1483.0	1507.0
15°	1329.6	1329.6	1326.6	1313.5	1326.6	1329.6	1329.6	1350.3	1354.1	1368.7	1389.4
17.5°	1235.1	1233.5	1226.2	1229.8	1226.2	1233.5	1235.1	1250.2	1252.8	1272.3	1289.3
20°	1178.6	1174.1	1164.9	1164.9	1164.9	1174.1	1178.6	1187.1	1197.0	1208.5	1223.1
22.5°	1125.3	1125.0	1115.2	1118.3	1115.2	1125.0	1125.3	1133.1	1142.5	1155.2	1167.3
25°	1062.9	1056.8	1052.2	1054.5	1052.2	1056.8	1062.9	1063.7	1074.4	1082.9	1090.5
27.5°	1003.8	1000.4	1000.1	993.8	1000.1	1000.4	1003.8	1005.8	1011.9	1016.8	1024.0
30°	969.4	961.8	963.3	959.5	963.3	961.8	969.4	970.2	973.3	976.3	984.8
32.5°	930.2	927.4	925.9	922.7	925.9	927.4	930.2	931.6	937.7	940.8	947.4
35°	876.7	877.5	873.6	875.2	873.6	877.5	876.7	878.2	879.0	882.1	888.2
37.5°	830.0	832.4	830.6	831.0	830.6	832.4	830.0	830.7	831.5	832.0	833.8
40°	799.3	799.3	799.3	801.6	799.3	799.3	799.3	797.0	797.8	797.0	797.0
42.5°	769.9	768.7	767.4	767.3	767.4	768.7	769.9	764.5	767.1	764.5	763.3
45°	719.6	721.9	722.7	718.8	722.7	721.9	719.6	718.1	715.8	715.0	714.2
47.5°	674.1	674.4	674.1	677.5	674.1	674.4	674.1	672.1	668.6	667.2	663.5
50°	642.2	640.7	642.2	640.7	642.2	640.7	642.2	638.4	636.1	632.2	629.2
52.5°	608.5	608.8	607.9	607.6	607.9	608.8	608.5	603.4	602.4	601.0	596.1
55°	555.6	557.1	556.4	556.4	556.4	557.1	555.6	552.5	551.8	547.2	542.6
57.5°	500.9	502.3	503.3	500.0	503.3	502.3	500.9	500.4	500.0	495.1	490.2
60°	462.9	466.7	465.9	464.4	465.9	466.7	462.9	463.6	461.3	458.3	455.2
62.5°	427.9	429.3	429.2	428.9	429.2	429.3	427.9	424.4	423.3	420.3	417.2
65°	374.0	375.5	373.2	375.5	373.2	375.5	374.0	371.7	366.3	364.8	361.7
67.5°	315.9	316.4	318.0	319.1	318.0	316.4	315.9	316.8	313.3	310.4	309.8
70°	279.7	279.0	281.3	283.6	281.3	279.0	279.7	278.2	275.9	273.6	270.5
72.5°	241.7	243.4	242.6	244.3	242.6	243.4	241.7	242.0	239.7	236.8	233.7
75°	186.2	188.5	187.8	190.1	187.8	188.5	186.2	187.8	186.2	183.2	180.1
77.5°	134.6	134.9	134.6	135.8	134.6	134.9	134.6	135.8	134.1	135.2	131.7
80°	102.7	101.2	99.6	102.7	99.6	101.2	102.7	102.7	100.4	102.7	100.4
82.5°	71.4	72.3	70.8	70.8	70.8	72.3	71.4	73.3	72.2	73.3	71.0
85°	33.0	32.2	30.7	30.7	30.7	32.2	33.0	33.0	35.3	33.7	33.7
87.5°	11.3	10.8	10.8	10.2	10.8	10.8	11.3	11.3	11.3	12.6	12.7
90°	26.1	26.2	26.4	26.6	26.4	26.2	26.1	25.9	26.0	26.3	26.7
92.5°	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2	25.1	25.1	25.0
95°	49.5	49.2	48.8	48.5	48.8	49.2	49.5	49.9	50.0	50.0	50.0
97.5°	84.1	84.0	84.0	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1
100°	107.6	107.4	107.3	107.1	107.3	107.4	107.6	107.8	107.9	107.9	107.9
102.5°	133.9	133.7	133.5	133.3	133.5	133.7	133.9	134.0	134.1	133.9	133.8
105°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.4	173.0	172.7
107.5°	213.8	213.0	212.2	211.4	212.2	213.0	213.8	214.6	214.9	214.7	214.6
110°	242.3	241.8	241.3	240.7	241.3	241.8	242.3	242.8	243.1	243.1	243.1



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	270.0	269.6	269.3	268.9	269.3	269.6	270.0	270.4	270.8	271.2	271.6
115°	314.2	313.7	313.2	312.7	313.2	313.7	314.2	314.7	315.1	315.3	315.4
117.5°	356.0	355.4	354.9	354.4	354.9	355.4	356.0	356.5	356.9	357.4	357.8
120°	385.3	384.8	384.3	383.8	384.3	384.8	385.3	385.9	386.1	386.1	386.1
122.5°	413.7	413.3	412.9	412.6	412.9	413.3	413.7	414.1	414.5	414.9	415.3
125°	457.0	456.8	456.7	456.5	456.7	456.8	457.0	457.2	457.5	458.0	458.6
127.5°	498.2	497.6	497.1	496.5	497.1	497.6	498.2	498.7	499.3	499.9	500.6
130°	527.3	526.7	526.0	525.3	526.0	526.7	527.3	528.0	528.6	528.9	529.3
132.5°	554.4	553.9	553.3	552.8	553.3	553.9	554.4	555.0	555.7	556.4	557.2
135°	597.2	596.7	596.1	595.6	596.1	596.7	597.2	597.7	598.0	598.2	598.4
137.5°	636.5	635.8	635.1	634.4	635.1	635.8	636.5	637.2	637.6	637.7	637.9
140°	663.4	662.7	662.0	661.3	662.0	662.7	663.4	664.0	664.4	664.4	664.4
142.5°	687.7	687.0	686.4	685.7	686.4	687.0	687.7	688.4	688.7	688.6	688.4
145°	724.3	723.6	722.9	722.2	722.9	723.6	724.3	725.0	725.3	725.1	724.9
147.5°	756.9	756.2	755.6	754.9	755.6	756.2	756.9	757.6	757.7	757.3	756.9
150°	777.7	777.2	776.7	776.2	776.7	777.2	777.7	778.3	778.3	777.7	777.2
152.5°	798.2	797.5	796.8	796.2	796.8	797.5	798.2	798.8	798.8	798.2	797.5
155°	824.6	824.1	823.6	823.1	823.6	824.1	824.6	825.2	825.0	824.1	823.2
157.5°	848.7	847.9	847.0	846.2	847.0	847.9	848.7	849.5	849.4	848.2	847.0
160°	862.7	862.0	861.3	860.6	861.3	862.0	862.7	863.4	863.2	862.2	861.1
162.5°	875.6	874.8	873.9	873.1	873.9	874.8	875.6	876.4	876.3	875.1	873.9
165°	892.1	891.2	890.4	889.5	890.4	891.2	892.1	893.0	892.8	891.6	890.4
167.5°	905.7	904.8	903.9	903.0	903.9	904.8	905.7	906.6	906.4	905.2	904.0
170°	913.0	911.9	910.9	909.8	910.9	911.9	913.0	914.0	913.9	912.7	911.5
172.5°	918.6	917.5	916.5	915.5	916.5	917.5	918.6	919.6	919.5	918.3	917.1
175°	924.7	923.6	922.6	921.6	922.6	923.6	924.7	925.7	925.6	924.4	923.2
177.5°	926.9	926.0	925.2	924.4	925.2	926.0	926.9	927.7	927.7	926.9	926.0
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1916.2	1922.9	1933.4	1944.4	1951.1	1964.0	1967.7	1973.8	1979.3	1992.2	2005.7
5°	1805.5	1816.3	1841.5	1855.3	1874.5	1896.7	1911.3	1926.6	1943.5	1972.6	1999.4
7.5°	1686.9	1704.8	1736.2	1762.0	1789.3	1821.2	1844.1	1874.5	1899.6	1940.7	1979.9
10°	1607.8	1633.1	1661.5	1692.1	1730.4	1764.1	1796.3	1834.6	1865.3	1914.3	1960.3
12.5°	1536.7	1540.5	1581.1	1614.9	1667.3	1709.0	1746.1	1795.4	1825.4	1883.7	1932.1
15°	1412.4	1435.4	1472.2	1499.0	1561.1	1613.9	1666.0	1717.4	1751.9	1823.9	1887.5
17.5°	1307.7	1328.9	1366.6	1410.5	1455.1	1507.7	1575.2	1629.3	1676.2	1758.5	1833.7
20°	1241.5	1267.5	1305.9	1351.1	1390.2	1447.6	1505.9	1568.0	1618.5	1711.3	1799.4
22.5°	1185.1	1205.6	1236.6	1281.2	1323.9	1376.5	1440.3	1507.9	1560.9	1661.0	1750.3
25°	1105.8	1122.7	1142.6	1179.4	1227.7	1285.2	1335.0	1409.3	1486.7	1580.2	1688.3
27.5°	1034.4	1046.4	1064.0	1096.3	1133.7	1187.5	1242.9	1313.4	1391.2	1492.7	1606.7
30°	990.9	998.6	1016.2	1043.0	1079.8	1121.9	1177.9	1245.3	1325.0	1427.7	1541.1
32.5°	952.9	959.9	971.4	997.0	1028.9	1064.9	1115.3	1182.8	1258.8	1359.7	1485.3
35°	895.9	901.2	911.2	931.9	949.5	984.8	1026.9	1088.2	1159.5	1256.1	1386.3
37.5°	839.0	846.4	852.5	861.2	883.9	907.1	943.7	995.5	1065.4	1162.9	1287.0
40°	801.6	807.7	816.9	820.8	839.2	859.8	889.7	937.2	1007.8	1096.6	1217.7
42.5°	763.6	769.7	775.2	779.7	795.6	813.9	840.7	881.5	944.0	1030.4	1150.3
45°	711.9	712.7	718.1	726.5	734.2	747.2	766.4	801.6	849.9	931.1	1039.9
47.5°	659.5	660.4	661.4	665.0	673.5	685.3	698.0	726.7	769.9	834.7	940.6
50°	624.6	623.0	624.6	627.6	633.0	643.0	657.5	678.2	713.5	774.0	871.3
52.5°	590.9	590.6	589.6	590.9	595.0	601.9	612.2	629.8	661.4	717.0	802.7
55°	539.5	535.7	536.4	533.4	540.3	541.8	549.5	564.0	591.6	629.9	710.4
57.5°	484.8	481.6	478.2	477.3	476.7	480.8	486.9	498.4	519.6	553.2	618.4
60°	449.8	446.0	441.4	439.9	439.9	442.2	445.3	453.7	473.6	503.5	557.1
62.5°	414.3	409.8	407.1	403.1	401.9	404.2	407.2	413.2	427.6	455.7	502.0
65°	359.4	354.1	350.2	349.5	347.9	345.6	347.2	353.3	364.8	387.0	423.8
67.5°	304.4	299.3	298.4	294.0	291.8	292.1	291.8	297.0	303.9	323.1	350.5
70°	268.2	264.4	262.9	259.0	257.5	256.0	254.4	259.0	265.9	282.0	305.8
72.5°	231.4	228.2	224.8	221.6	221.9	220.4	220.1	222.9	228.5	243.4	261.6
75°	178.6	179.3	175.5	171.7	170.9	169.4	169.4	171.7	174.0	185.5	200.0
77.5°	129.5	128.9	125.7	124.5	123.7	122.0	123.7	125.2	126.4	134.1	144.8
80°	98.9	98.9	95.0	95.0	94.3	92.0	94.3	92.7	95.8	103.5	111.1
82.5°	70.7	69.4	69.3	68.1	67.9	66.2	67.3	68.8	70.0	75.3	79.9
85°	34.5	34.5	33.7	33.0	33.7	33.0	33.7	34.5	35.3	37.6	41.4
87.5°	12.8	13.4	13.3	13.1	12.4	12.2	12.2	12.4	13.3	13.4	13.6
90°	27.0	27.4	23.5	19.7	15.9	12.1	9.1	7.0	5.0	2.9	0.8
92.5°	24.9	24.9	24.0	23.0	22.1	21.2	20.0	18.5	17.0	15.4	13.9
95°	50.0	50.0	49.7	49.3	49.0	48.6	47.6	45.9	44.1	42.4	40.6
97.5°	84.1	84.1	83.4	82.8	82.1	81.5	80.4	78.8	77.3	75.8	74.3
100°	107.9	107.9	107.3	106.8	106.3	105.8	104.8	103.4	102.0	100.7	99.3
102.5°	133.6	133.5	132.8	132.2	131.5	130.9	130.0	128.9	127.8	126.6	125.5
105°	172.3	172.0	171.6	171.3	170.9	170.6	170.1	169.6	169.1	168.6	168.1
107.5°	214.5	214.3	214.3	214.3	214.3	214.3	213.9	213.2	212.4	211.7	210.9
110°	243.1	243.1	243.1	243.1	243.1	243.1	242.6	241.5	240.5	239.4	238.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.1	272.5	272.6	272.8	272.9	273.0	272.6	271.5	270.5	269.5	268.4
115°	315.6	315.8	316.1	316.5	316.8	317.2	316.8	315.8	314.7	313.7	312.7
117.5°	358.2	358.6	359.6	360.6	361.5	362.5	362.3	360.9	359.5	358.1	356.7
120°	386.1	386.1	387.5	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1
122.5°	415.7	416.1	417.1	418.1	419.1	420.0	419.7	418.0	416.4	414.7	413.0
125°	459.1	459.6	460.1	460.6	461.2	461.7	461.2	459.6	458.0	456.5	454.9
127.5°	501.2	501.8	502.4	503.1	503.7	504.3	503.6	501.7	499.7	497.7	495.7
130°	529.6	530.0	530.3	530.6	531.0	531.3	530.4	528.1	525.9	523.6	521.4
132.5°	558.0	558.7	558.6	558.6	558.5	558.4	557.5	555.6	553.8	552.0	550.1
135°	598.6	598.7	598.4	598.0	597.7	597.3	596.2	594.3	592.4	590.5	588.6
137.5°	638.0	638.1	637.7	637.2	636.8	636.3	635.3	633.8	632.2	630.6	629.1
140°	664.4	664.4	663.5	662.7	661.8	660.9	659.7	658.1	656.6	655.0	653.5
142.5°	688.3	688.2	687.6	687.0	686.4	685.8	684.7	683.2	681.6	680.0	678.5
145°	724.8	724.6	723.5	722.5	721.5	720.4	719.3	718.1	716.9	715.6	714.4
147.5°	756.5	756.2	755.5	754.8	754.1	753.4	752.3	750.8	749.4	747.9	746.5
150°	776.7	776.2	775.5	774.8	774.1	773.4	772.5	771.5	770.4	769.4	768.4
152.5°	796.8	796.2	795.3	794.5	793.7	792.8	791.9	790.9	789.8	788.8	787.7
155°	822.4	821.5	821.0	820.5	819.9	819.4	818.9	818.4	817.9	817.3	816.8
157.5°	845.8	844.6	844.3	844.0	843.7	843.4	843.1	842.7	842.4	842.0	841.7
160°	860.1	859.0	858.9	858.7	858.5	858.3	858.1	857.7	857.4	857.0	856.7
162.5°	872.7	871.5	871.4	871.2	871.0	870.8	870.7	870.6	870.6	870.5	870.4
165°	889.2	887.9	887.9	887.9	887.9	887.9	888.0	888.2	888.4	888.6	888.7
167.5°	902.8	901.5	901.6	901.6	901.7	901.7	902.0	902.5	903.0	903.5	904.0
170°	910.3	909.0	909.2	909.4	909.6	909.7	910.1	910.6	911.1	911.7	912.2
172.5°	915.9	914.7	914.9	915.0	915.2	915.4	915.7	916.2	916.8	917.3	917.8
175°	922.0	920.8	921.1	921.5	921.8	922.2	922.6	923.1	923.6	924.2	924.7
177.5°	925.2	924.4	924.6	924.9	925.2	925.5	925.8	926.2	926.7	927.1	927.5
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331439

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2004.5	2007.5	2017.3	2027.2	2038.2	2041.3	2046.2	2041.9	2040.6	2052.3	2060.9
5°	2010.1	2023.9	2050.8	2075.3	2096.0	2110.5	2125.9	2132.0	2143.5	2159.6	2179.5
7.5°	2003.7	2030.5	2072.7	2108.4	2147.3	2175.4	2197.3	2216.0	2238.7	2269.2	2302.4
10°	1996.3	2032.4	2083.7	2127.4	2174.9	2210.9	2240.8	2269.9	2303.7	2345.8	2389.5
12.5°	1982.9	2025.6	2089.8	2141.5	2202.5	2237.9	2278.2	2341.1	2377.2	2435.9	2497.4
15°	1955.7	2003.2	2092.9	2156.5	2225.5	2292.9	2367.3	2427.0	2486.8	2521.3	2607.9
17.5°	1915.4	1985.2	2084.5	2158.7	2246.3	2352.5	2436.1	2503.8	2572.8	2628.7	2672.1
20°	1882.9	1958.8	2072.2	2161.1	2265.3	2379.5	2475.3	2544.3	2604.1	2650.8	2677.6
22.5°	1841.8	1937.3	2047.7	2151.9	2285.0	2397.9	2498.6	2552.9	2602.8	2625.7	2635.9
25°	1777.2	1892.1	2017.0	2144.3	2294.5	2414.0	2506.0	2538.9	2553.5	2531.3	2494.5
27.5°	1707.4	1835.6	1981.6	2129.8	2288.6	2403.6	2469.5	2464.3	2439.6	2367.7	2310.2
30°	1655.3	1796.3	1953.4	2115.1	2274.5	2386.4	2424.7	2386.4	2330.5	2250.0	2168.0
32.5°	1600.8	1746.7	1923.4	2094.3	2248.8	2347.2	2355.5	2289.6	2203.0	2111.5	2009.2
35°	1518.1	1676.0	1866.8	2047.7	2194.1	2256.1	2219.4	2102.9	2000.2	1875.3	1735.8
37.5°	1424.8	1599.1	1790.5	1979.5	2112.1	2128.3	2037.0	1914.3	1769.5	1622.7	1458.5
40°	1354.9	1539.6	1736.6	1927.4	2044.6	2027.8	1911.3	1776.4	1604.0	1424.6	1272.1
42.5°	1292.4	1477.1	1677.7	1864.8	1958.8	1912.5	1776.4	1610.9	1425.6	1256.7	1117.0
45°	1184.0	1374.1	1579.5	1760.3	1814.0	1730.4	1550.3	1366.4	1184.0	1043.0	932.7
47.5°	1078.9	1266.8	1470.2	1629.1	1648.1	1535.8	1339.0	1149.7	992.9	878.1	800.2
50°	1001.6	1190.1	1391.7	1533.5	1527.3	1391.7	1189.4	1009.3	878.2	785.5	733.4
52.5°	932.3	1110.4	1304.0	1432.9	1400.4	1252.5	1059.4	899.5	791.8	719.3	672.1
55°	824.6	989.4	1173.3	1276.7	1217.0	1053.0	889.7	761.0	681.3	626.9	590.1
57.5°	717.6	872.1	1029.5	1093.3	1027.2	875.8	739.7	646.3	586.4	546.1	522.2
60°	651.4	786.3	926.5	981.7	902.8	767.9	660.6	577.1	528.8	495.8	474.4
62.5°	585.2	706.0	838.2	868.3	796.1	682.1	587.0	517.6	477.9	448.6	428.4
65°	495.1	593.9	694.3	714.2	647.6	559.4	484.3	439.1	403.9	382.4	366.3
67.5°	406.0	485.4	556.5	572.6	514.2	453.1	398.8	359.4	335.5	317.7	304.1
70°	353.3	416.1	474.4	487.4	440.7	386.2	344.9	313.4	292.0	276.7	263.6
72.5°	297.5	349.9	398.3	407.1	368.9	327.4	293.4	268.7	249.7	239.9	227.5
75°	227.6	258.3	295.8	298.1	272.8	247.5	221.5	205.4	195.4	183.2	177.0
77.5°	160.6	184.7	206.1	210.3	195.3	178.1	163.5	150.8	142.4	136.7	131.0
80°	122.6	141.8	151.0	156.3	145.6	133.3	124.9	116.5	111.1	107.3	103.5
82.5°	87.7	99.5	108.1	112.2	106.4	99.0	90.6	85.8	81.7	78.5	77.1
85°	44.4	49.8	55.2	56.7	55.2	52.1	47.5	47.5	45.2	44.4	44.4
87.5°	15.9	18.8	19.2	21.4	20.8	21.6	22.3	22.5	22.6	22.0	21.3
90°	2.9	5.0	7.0	9.1	12.1	15.9	19.7	23.5	27.4	27.0	26.7
92.5°	15.4	17.0	18.5	20.0	21.2	22.1	23.0	24.0	24.9	24.9	25.0
95°	42.4	44.1	45.9	47.6	48.6	49.0	49.3	49.7	50.0	50.0	50.0
97.5°	75.8	77.3	78.8	80.4	81.5	82.1	82.8	83.4	84.1	84.1	84.1
100°	100.7	102.0	103.4	104.8	105.8	106.3	106.8	107.3	107.9	107.9	107.9
102.5°	126.6	127.8	128.9	130.0	130.9	131.5	132.2	132.8	133.5	133.6	133.8
105°	168.6	169.1	169.6	170.1	170.6	170.9	171.3	171.6	172.0	172.3	172.7
107.5°	211.7	212.4	213.2	213.9	214.3	214.3	214.3	214.3	214.3	214.5	214.6
110°	239.4	240.5	241.5	242.6	243.1	243.1	243.1	243.1	243.1	243.1	243.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	269.5	270.5	271.5	272.6	273.0	272.9	272.8	272.6	272.5	272.1	271.6
115°	313.7	314.7	315.8	316.8	317.2	316.8	316.5	316.1	315.8	315.6	315.4
117.5°	358.1	359.5	360.9	362.3	362.5	361.5	360.6	359.6	358.6	358.2	357.8
120°	387.5	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1	386.1	386.1
122.5°	414.7	416.4	418.0	419.7	420.0	419.1	418.1	417.1	416.1	415.7	415.3
125°	456.5	458.0	459.6	461.2	461.7	461.2	460.6	460.1	459.6	459.1	458.6
127.5°	497.7	499.7	501.7	503.6	504.3	503.7	503.1	502.4	501.8	501.2	500.6
130°	523.6	525.9	528.1	530.4	531.3	531.0	530.6	530.3	530.0	529.6	529.3
132.5°	552.0	553.8	555.6	557.5	558.4	558.5	558.6	558.6	558.7	558.0	557.2
135°	590.5	592.4	594.3	596.2	597.3	597.7	598.0	598.4	598.7	598.6	598.4
137.5°	630.6	632.2	633.8	635.3	636.3	636.8	637.2	637.7	638.1	638.0	637.9
140°	655.0	656.6	658.1	659.7	660.9	661.8	662.7	663.5	664.4	664.4	664.4
142.5°	680.0	681.6	683.2	684.7	685.8	686.4	687.0	687.6	688.2	688.3	688.4
145°	715.6	716.9	718.1	719.3	720.4	721.5	722.5	723.5	724.6	724.8	724.9
147.5°	747.9	749.4	750.8	752.3	753.4	754.1	754.8	755.5	756.2	756.5	756.9
150°	769.4	770.4	771.5	772.5	773.4	774.1	774.8	775.5	776.2	776.7	777.2
152.5°	788.8	789.8	790.9	791.9	792.8	793.7	794.5	795.3	796.2	796.8	797.5
155°	817.3	817.9	818.4	818.9	819.4	819.9	820.5	821.0	821.5	822.4	823.2
157.5°	842.0	842.4	842.7	843.1	843.4	843.7	844.0	844.3	844.6	845.8	847.0
160°	857.0	857.4	857.7	858.1	858.3	858.5	858.7	858.9	859.0	860.1	861.1
162.5°	870.5	870.6	870.6	870.7	870.8	871.0	871.2	871.4	871.5	872.7	873.9
165°	888.6	888.4	888.2	888.0	887.9	887.9	887.9	887.9	887.9	889.2	890.4
167.5°	903.5	903.0	902.5	902.0	901.7	901.7	901.6	901.6	901.5	902.8	904.0
170°	911.7	911.1	910.6	910.1	909.7	909.6	909.4	909.2	909.0	910.3	911.5
172.5°	917.3	916.8	916.2	915.7	915.4	915.2	915.0	914.9	914.7	915.9	917.1
175°	924.2	923.6	923.1	922.6	922.2	921.8	921.5	921.1	920.8	922.0	923.2
177.5°	927.1	926.7	926.2	925.8	925.5	925.2	924.9	924.6	924.4	925.2	926.0
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2068.2	2076.8	2076.8	2078.0	2087.8	2086.6	2086.0
5°	2201.0	2214.0	2215.5	2229.3	2238.5	2235.4	2227.0
7.5°	2326.2	2350.4	2368.8	2379.1	2391.2	2398.7	2395.3
10°	2425.5	2460.8	2482.2	2496.8	2514.4	2527.4	2522.8
12.5°	2515.6	2557.6	2587.1	2612.0	2614.3	2631.0	2619.7
15°	2656.2	2700.6	2705.2	2723.6	2738.2	2736.6	2737.4
17.5°	2702.6	2716.9	2719.8	2720.2	2720.4	2715.0	2703.4
20°	2686.1	2680.7	2667.7	2657.7	2640.1	2637.8	2622.5
22.5°	2607.6	2590.6	2557.9	2536.3	2508.9	2501.7	2497.4
25°	2453.1	2415.5	2363.4	2313.6	2299.8	2273.0	2280.7
27.5°	2241.1	2182.6	2126.2	2085.7	2049.1	2008.9	2020.4
30°	2092.1	2026.2	1946.5	1885.2	1846.1	1807.8	1800.9
32.5°	1914.3	1817.8	1728.9	1674.9	1615.0	1590.8	1564.3
35°	1607.8	1513.5	1425.4	1349.5	1305.9	1272.1	1241.5
37.5°	1332.1	1223.6	1152.4	1091.0	1059.4	1040.1	1045.0
40°	1161.0	1066.0	1013.9	967.1	938.0	924.2	927.3
42.5°	1022.5	951.3	908.4	876.4	855.9	848.2	846.4
45°	865.2	825.4	790.1	771.7	761.8	753.3	748.0
47.5°	757.9	725.4	705.5	694.6	685.9	677.3	677.1
50°	693.5	672.1	658.3	646.8	639.9	633.8	639.1
52.5°	644.5	624.9	611.1	600.8	598.2	592.7	592.5
55°	571.7	556.4	546.4	537.2	532.6	529.5	525.7
57.5°	505.5	490.9	481.7	475.9	467.2	464.1	462.9
60°	458.3	446.8	437.6	429.9	426.1	420.0	420.0
62.5°	414.7	403.3	394.7	388.8	382.6	380.1	380.7
65°	351.8	342.6	334.1	328.0	326.5	321.9	323.4
67.5°	293.8	287.7	278.8	275.4	272.5	270.1	268.2
70°	255.2	249.1	244.5	239.9	237.6	237.6	237.6
72.5°	222.7	215.3	212.6	206.8	208.1	205.7	203.2
75°	172.4	167.8	165.5	163.2	159.4	159.4	159.4
77.5°	126.9	125.5	122.8	120.3	119.4	118.6	118.9
80°	98.1	97.3	95.8	95.8	94.3	93.5	92.0
82.5°	75.4	73.4	72.5	71.9	71.6	71.4	71.1
85°	42.9	41.4	41.4	42.1	40.6	40.6	41.4
87.5°	21.8	21.7	21.1	21.2	21.8	21.2	21.3
90°	26.3	26.0	25.9	26.1	26.2	26.4	26.6
92.5°	25.1	25.1	25.2	25.2	25.3	25.3	25.3
95°	50.0	50.0	49.9	49.5	49.2	48.8	48.5
97.5°	84.1	84.1	84.1	84.1	84.0	84.0	83.9
100°	107.9	107.9	107.8	107.6	107.4	107.3	107.1
102.5°	133.9	134.1	134.0	133.9	133.7	133.5	133.3
105°	173.0	173.4	173.5	173.5	173.5	173.5	173.5
107.5°	214.7	214.9	214.6	213.8	213.0	212.2	211.4
110°	243.1	243.1	242.8	242.3	241.8	241.3	240.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	271.2	270.8	270.4	270.0	269.6	269.3	268.9
115°	315.3	315.1	314.7	314.2	313.7	313.2	312.7
117.5°	357.4	356.9	356.5	356.0	355.4	354.9	354.4
120°	386.1	386.1	385.9	385.3	384.8	384.3	383.8
122.5°	414.9	414.5	414.1	413.7	413.3	412.9	412.6
125°	458.0	457.5	457.2	457.0	456.8	456.7	456.5
127.5°	499.9	499.3	498.7	498.2	497.6	497.1	496.5
130°	528.9	528.6	528.0	527.3	526.7	526.0	525.3
132.5°	556.4	555.7	555.0	554.4	553.9	553.3	552.8
135°	598.2	598.0	597.7	597.2	596.7	596.1	595.6
137.5°	637.7	637.6	637.2	636.5	635.8	635.1	634.4
140°	664.4	664.4	664.0	663.4	662.7	662.0	661.3
142.5°	688.6	688.7	688.4	687.7	687.0	686.4	685.7
145°	725.1	725.3	725.0	724.3	723.6	722.9	722.2
147.5°	757.3	757.7	757.6	756.9	756.2	755.6	754.9
150°	777.7	778.3	778.3	777.7	777.2	776.7	776.2
152.5°	798.2	798.8	798.8	798.2	797.5	796.8	796.2
155°	824.1	825.0	825.2	824.6	824.1	823.6	823.1
157.5°	848.2	849.4	849.5	848.7	847.9	847.0	846.2
160°	862.2	863.2	863.4	862.7	862.0	861.3	860.6
162.5°	875.1	876.3	876.4	875.6	874.8	873.9	873.1
165°	891.6	892.8	893.0	892.1	891.2	890.4	889.5
167.5°	905.2	906.4	906.6	905.7	904.8	903.9	903.0
170°	912.7	913.9	914.0	913.0	911.9	910.9	909.8
172.5°	918.3	919.5	919.6	918.6	917.5	916.5	915.5
175°	924.4	925.6	925.7	924.7	923.6	922.6	921.6
177.5°	926.9	927.7	927.7	926.9	926.0	925.2	924.4
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2

(END OF REPORT)