

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: P333364-840

Luminaire Tested: **S125DIW-S375D1560U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333364-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1560U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7853.2 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

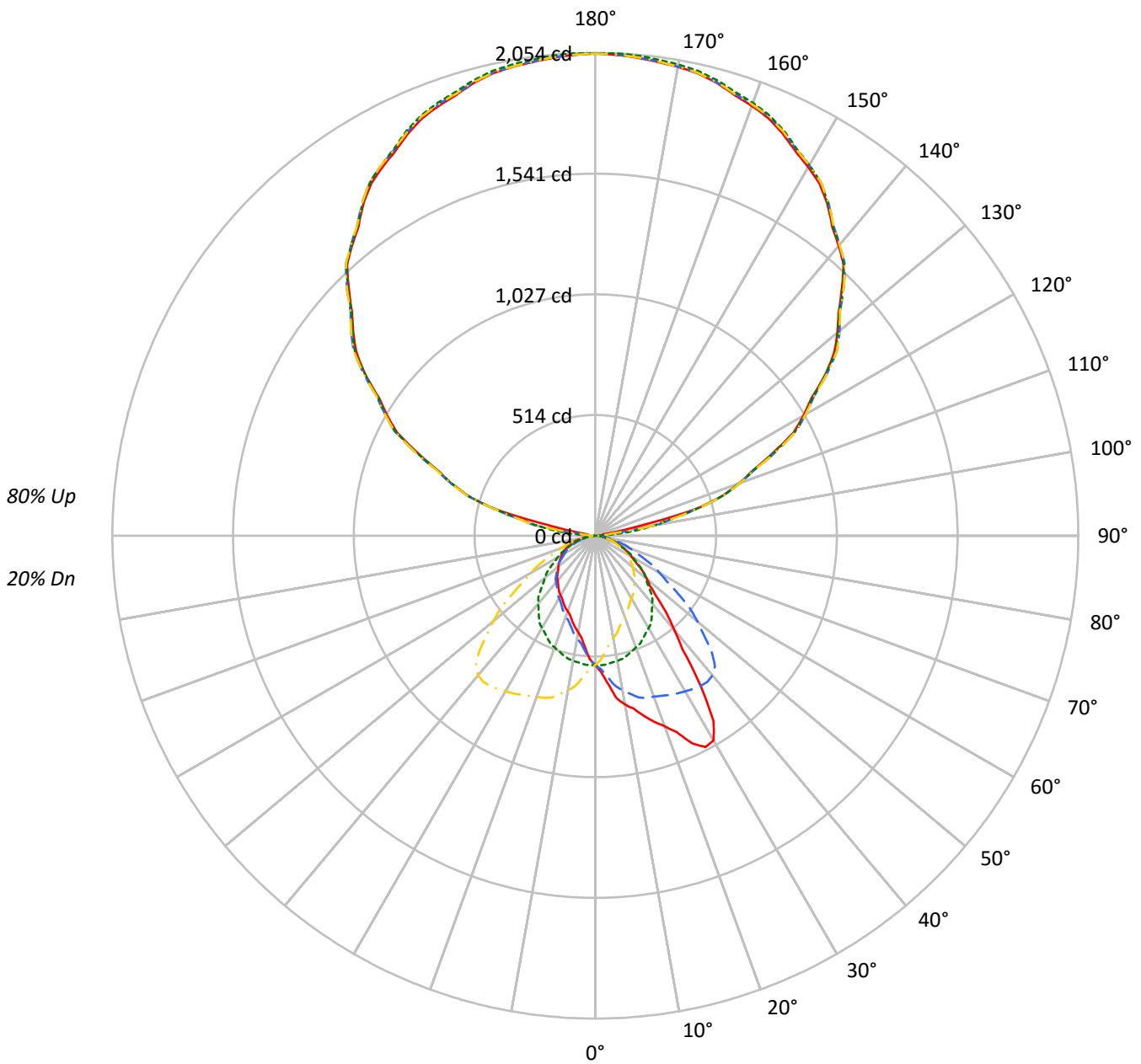
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	67	67	67	47	47	47	28	28	28	20				
1	91	87	83	80	80	77	74	71	58	56	55	41	40	39	25	25	24	17				
2	83	76	70	65	73	67	63	58	51	48	45	36	34	32	22	21	20	14				
3	76	67	60	54	67	59	53	49	45	41	38	32	30	27	20	18	17	12				
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	18	16	15	10				
5	63	52	45	39	56	47	40	35	36	31	28	25	23	20	16	14	13	9				
6	58	47	39	34	51	42	35	30	32	27	24	23	20	18	14	13	11	8				
7	54	42	35	29	47	37	31	26	29	24	21	21	18	15	13	11	10	7				
8	50	38	31	26	44	34	28	23	26	22	18	19	16	14	12	10	9	6				
9	46	34	27	23	41	31	25	20	24	19	16	17	14	12	11	9	8	6				
10	43	31	25	20	38	28	22	18	22	17	15	16	13	11	10	8	7	5				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3551	3551	3551	3551
5°	4112	3563	3120	3563
10°	4783	3545	2733	3545
15°	5295	3518	2521	3518
20°	5927	3477	2351	3477
25°	6944	3430	2268	3430
30°	7500	3384	2196	3384
35°	6166	3299	2149	3299
40°	4383	3179	2097	3179
45°	3368	3018	2067	3018
50°	2875	2817	2063	2817
55°	2559	2622	2081	2622
60°	2308	2408	2134	2408
65°	2133	2193	2190	2193
70°	1939	1969	2221	1969
75°	1712	1737	2201	1737
80°	1443	1417	2012	1417
85°	1149	1015	1623	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.7
10°-20°	157.6	2.0
20°-30°	255.9	3.3
30°-40°	312.1	4.0
40°-50°	283.9	3.6
50°-60°	226.2	2.9
60°-70°	157.5	2.0
70°-80°	84.0	1.1
80°-90°	25.5	0.3
90°-100°	74.5	0.9
100°-110°	459.3	5.8
110°-120°	833.0	10.6
120°-130°	1069.1	13.6
130°-140°	1149.9	14.6
140°-150°	1079.3	13.7
150°-160°	873.1	11.1
160°-170°	564.7	7.2
170°-180°	194.8	2.5
0°-30°	466.4	5.9
0°-40°	778.5	9.9
0°-60°	1288.6	16.4
0°-90°	1555.6	19.8
90°-120°	1366.8	17.4
90°-150°	4665.0	59.4
90°-180°	6298.0	80.2
0°-180°	7853.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	634	550	481	550	634	64
15°	792	526	377	526	792	227
25°	974	481	318	481	974	445
35°	782	418	273	418	782	479
45°	369	330	226	330	369	295
55°	227	233	185	233	227	205
65°	140	144	143	144	140	138
75°	69	70	88	70	69	74
85°	16	14	22	14	16	19
90°	36	2	36	2	36	16
95°	32	87	32	87	32	26
105°	452	447	452	447	452	408
115°	833	839	833	839	833	827
125°	1193	1193	1193	1193	1193	1062
135°	1482	1488	1482	1488	1482	1144
145°	1721	1726	1721	1726	1721	1075
155°	1886	1900	1886	1900	1886	869
165°	1994	2005	1994	2005	1994	563
175°	2042	2051	2042	2051	2042	194
180°	2051	2051	2051	2051	2051	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	581.5	580.8	580.0	578.6	579.7	576.4	575.0	572.4	569.2	568.0	566.7
5°	634.2	635.4	636.6	631.7	632.2	628.8	621.4	615.3	610.5	604.1	599.7
7.5°	697.7	695.0	694.7	691.6	686.1	681.7	673.9	663.9	654.2	643.2	634.1
10°	729.4	729.7	727.6	723.9	718.0	713.8	703.6	693.8	681.9	667.8	657.8
12.5°	753.4	754.4	751.6	746.6	743.8	734.4	726.3	714.7	700.5	689.3	674.1
15°	791.9	789.4	787.6	781.2	776.4	766.6	753.8	741.5	726.2	712.0	697.7
17.5°	829.2	831.3	827.8	822.0	806.8	795.4	778.2	761.5	742.4	723.3	706.3
20°	862.4	864.3	859.0	848.9	830.7	819.3	796.7	775.2	753.1	728.5	709.8
22.5°	903.9	902.4	895.1	879.9	864.1	843.0	818.5	792.3	764.6	736.9	712.1
25°	974.4	964.6	960.2	941.3	920.6	889.5	856.0	817.7	783.2	746.5	714.8
27.5°	1013.6	1010.5	1005.5	992.4	970.6	937.4	897.8	851.1	802.4	756.2	714.6
30°	1005.7	1006.2	1006.6	1002.5	988.5	963.5	924.0	873.9	816.0	764.0	715.9
32.5°	936.2	944.7	952.9	962.5	966.4	961.6	937.0	891.6	832.0	773.0	715.2
35°	782.1	784.8	811.1	837.3	872.7	900.3	918.7	898.6	848.5	780.5	714.3
37.5°	609.9	622.5	640.8	670.2	721.4	767.3	826.3	853.3	837.2	783.0	712.7
40°	519.9	531.6	543.5	573.6	616.7	672.3	739.2	796.4	809.7	775.2	707.0
42.5°	450.5	459.7	472.9	495.5	531.6	580.8	644.8	719.5	765.5	752.5	695.3
45°	368.7	374.6	384.8	402.7	428.9	467.4	523.8	605.5	676.7	700.2	667.4
47.5°	315.6	315.6	323.6	335.9	354.8	387.5	429.3	493.2	569.3	625.5	622.9
50°	286.1	284.9	291.2	301.9	316.9	338.6	378.5	429.6	502.6	566.3	584.1
52.5°	260.6	260.8	264.7	272.7	285.2	303.7	333.5	379.6	441.9	507.4	540.8
55°	227.3	226.3	230.8	236.1	245.3	257.4	278.8	314.1	364.8	429.1	472.5
57.5°	196.6	199.2	201.0	204.7	212.3	220.5	238.5	264.4	304.6	359.8	405.7
60°	178.7	181.3	182.7	186.4	192.5	199.5	213.5	234.5	268.3	316.0	361.4
62.5°	162.7	164.7	165.2	168.5	173.5	180.3	191.3	208.9	235.7	277.3	321.8
65°	139.6	139.6	140.5	144.0	146.3	152.4	160.8	173.6	195.1	227.5	265.6
67.5°	117.2	118.4	118.2	119.7	121.8	126.5	132.5	143.1	159.1	182.7	213.2
70°	102.7	103.6	103.4	104.5	106.8	109.9	114.8	124.8	136.2	156.5	182.7
72.5°	89.6	90.0	89.4	90.9	92.3	94.9	100.5	105.8	116.4	133.6	155.1
75°	68.6	69.1	69.6	70.5	71.9	73.3	76.0	81.4	88.5	101.3	115.0
77.5°	51.4	50.5	51.7	51.5	52.3	53.4	55.8	58.7	64.4	72.6	83.2
80°	38.8	39.0	39.0	39.2	40.4	41.1	43.1	45.2	49.7	55.7	63.2
82.5°	28.3	28.9	28.5	29.0	29.9	30.4	31.6	33.3	35.9	40.7	46.0
85°	15.5	14.2	14.7	15.1	15.1	15.5	16.4	17.1	18.5	20.3	22.4
87.5°	11.8	11.9	11.9	11.7	11.7	11.4	11.8	11.5	11.7	11.9	12.2
90°	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7	26.1	24.3	21.9
92.5°	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7	26.1	24.3	22.2
95°	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7	26.1	24.3	37.2
97.5°	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7	65.2	74.8	100.2
100°	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8	214.2	264.5	263.2
102.5°	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4	328.0	337.5	336.7
105°	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6	573.5	573.4	572.8
110°	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7	652.7	653.7	653.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9	730.2	731.5	731.1
115°	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6	846.9	848.3	848.0
117.5°	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2	959.9	961.7	960.4
120°	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9	1031.6	1032.2	1031.2
122.5°	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1	1100.9	1101.6	1101.1
125°	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3	1202.6	1204.0	1204.0
127.5°	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7	1294.4	1295.3	1295.5
130°	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0	1355.0	1356.0	1355.6
132.5°	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4	1410.6	1410.8	1411.5
135°	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0	1493.7	1494.4	1495.0
137.5°	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0	1569.9	1569.7	1570.3
140°	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3	1616.7	1616.0	1616.3
142.5°	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7	1663.6	1663.4	1662.9
145°	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2	1728.8	1728.5	1728.5
147.5°	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2	1784.8	1784.4	1784.0
150°	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0	1820.4	1819.7	1819.0
152.5°	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7	1852.0	1851.3	1850.7
155°	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2	1895.2	1894.2	1893.5
157.5°	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2	1931.2	1930.1	1930.0
160°	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6	1953.3	1952.0	1951.6
162.5°	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2	1973.3	1971.4	1971.1
165°	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6	1999.5	1997.5	1997.2
167.5°	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5	2019.1	2016.7	2016.4
170°	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8	2029.1	2026.4	2026.1
172.5°	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8	2037.4	2035.0	2034.4
175°	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5	2045.9	2043.2	2042.9
177.5°	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1	2050.2	2048.3	2048.0
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	12.1	11.3	10.1	9.0	7.6	6.5	5.7	5.4	5.4	5.7	6.4
90°	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5	4.2	7.0	9.6
92.5°	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4	21.5	19.6	17.8
95°	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6	85.6	84.6	83.6
97.5°	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9	182.7	184.5	186.4
100°	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9	254.9	255.9	256.9
102.5°	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1	329.3	330.6	331.9
105°	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0	448.3	449.7	451.0
107.5°	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4
110°	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7



TEST NUMBER: P333364-840

CATALOG NUMBER: S125DIW-S375D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1	726.9	727.7	728.5
115°	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2	840.8	842.5	844.2
117.5°	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2	956.1	956.0	956.0
120°	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2	1028.9	1028.5	1028.1
122.5°	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7	1094.9	1096.2	1097.5
125°	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4	1195.7	1198.1	1200.4
127.5°	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5	1290.2	1291.9	1293.6
130°	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9	1348.6	1350.3	1352.0
132.5°	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2	1407.2	1409.2	1411.2
135°	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2	1490.3	1492.4	1494.4
137.5°	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6	1566.3	1568.1	1569.8
140°	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5	1615.2	1615.8	1616.5
142.5°	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4	1659.8	1660.2	1660.6
145°	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5	1726.1	1726.8	1727.5
147.5°	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2	1783.0	1782.9	1782.8
150°	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1819.0	1818.4	1817.7
152.5°	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9	1853.5	1852.0	1850.5
155°	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3	1898.2	1896.2	1894.2
157.5°	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2	1934.0	1932.8	1931.6
160°	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5	1957.5	1955.5	1953.5
162.5°	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0	1977.0	1975.0	1972.9
165°	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2	2003.2	2001.0	1999.0
167.5°	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6	2022.6	2020.4	2018.3
170°	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6	2033.2	2030.8	2028.4
172.5°	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9	2040.5	2038.1	2035.8
175°	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7	2048.7	2046.7	2044.7
177.5°	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4	2052.8	2051.1	2049.5
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	540.3	538.2	536.5	532.8	530.7	528.0	525.7	528.2	525.5	526.6	524.9
5°	523.4	516.8	512.2	505.4	499.6	494.2	490.3	489.6	487.7	486.8	483.9
7.5°	503.1	494.9	487.0	478.1	470.6	463.0	458.2	454.1	451.5	448.0	445.6
10°	491.2	480.2	470.9	460.2	450.8	442.6	436.2	432.8	429.8	425.4	423.7
12.5°	476.5	465.1	453.7	442.2	433.2	424.1	418.6	413.6	411.5	406.6	406.1
15°	458.8	441.7	430.5	418.9	406.5	399.0	394.4	389.0	386.7	383.1	380.6
17.5°	437.7	422.4	408.5	396.4	385.8	379.5	373.7	370.0	366.0	363.7	359.5
20°	422.3	407.9	393.8	381.0	372.8	365.7	361.0	357.5	353.3	352.1	347.9
22.5°	409.5	393.5	380.1	369.3	360.4	352.2	347.2	344.8	341.9	338.3	337.5
25°	388.5	371.9	360.5	349.8	341.8	334.4	330.9	327.9	325.1	322.4	321.5
27.5°	370.4	355.6	342.0	332.3	325.4	318.6	315.6	311.8	309.8	307.7	305.2
30°	357.7	342.5	330.6	321.3	313.9	307.8	304.5	301.9	300.1	298.2	296.8
32.5°	344.7	330.6	319.1	309.9	302.5	297.9	295.0	293.2	291.1	288.9	287.1
35°	327.4	311.9	300.7	292.9	287.0	283.5	280.2	278.6	276.3	276.3	274.4
37.5°	307.9	294.6	284.7	277.5	272.3	269.1	265.6	264.5	263.0	262.0	261.4
40°	296.4	284.0	274.7	267.4	261.9	259.2	256.4	254.6	253.7	252.5	252.1
42.5°	284.4	272.6	263.7	257.0	252.1	249.9	247.3	246.0	244.1	242.6	242.3
45°	266.2	254.8	246.6	241.3	237.1	234.5	232.9	230.0	229.1	227.3	227.0
47.5°	249.0	238.0	230.0	225.6	222.0	219.8	217.3	214.5	213.4	212.5	212.4
50°	236.1	226.1	218.6	214.5	211.0	207.9	205.3	203.5	202.8	202.8	203.3
52.5°	223.1	214.5	208.2	203.1	199.8	196.5	194.1	193.0	192.0	193.1	193.9
55°	204.0	195.3	190.7	185.7	182.5	178.7	177.5	177.1	176.4	178.2	179.3
57.5°	183.7	177.6	172.2	167.3	164.4	162.2	160.7	160.4	161.7	162.6	165.6
60°	170.8	163.8	159.0	155.2	151.7	150.3	149.8	149.4	150.3	152.8	156.8
62.5°	156.6	151.0	145.6	142.9	140.3	137.9	137.8	138.1	140.0	143.0	146.9
65°	135.8	130.9	127.4	124.1	122.0	120.7	121.1	122.0	124.1	128.2	132.5
67.5°	114.6	111.3	108.2	105.5	103.5	103.5	104.0	105.4	107.9	112.4	116.4
70°	101.1	97.4	94.7	93.6	91.9	91.0	92.4	94.7	96.8	101.1	104.5
72.5°	87.5	84.2	82.2	81.4	80.7	80.0	80.5	83.0	85.8	90.0	94.1
75°	67.2	66.0	64.6	63.7	63.0	63.5	63.9	66.2	68.6	73.0	77.7
77.5°	49.1	47.9	47.0	46.8	46.4	46.7	48.0	49.7	51.9	55.1	58.7
80°	37.1	36.7	36.2	36.0	36.0	36.2	38.1	39.2	41.3	44.3	47.2
82.5°	27.1	26.8	26.7	26.6	26.8	26.9	28.0	29.5	31.2	33.5	36.0
85°	14.2	13.7	14.4	14.7	14.2	14.9	15.5	16.4	17.1	18.2	19.4
87.5°	7.2	8.0	8.3	9.0	9.4	10.3	10.4	11.5	12.2	12.9	13.0
90°	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7	29.4	31.1	32.4
92.5°	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7	29.4	31.1	32.1
95°	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7	29.4	31.1	31.9
97.5°	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7	46.3	36.7	31.9
100°	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8	113.5	63.2	37.4
102.5°	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4	308.9	299.4	283.2
105°	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	452.8
107.5°	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6	573.6	573.7	573.2
110°	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7	650.7	649.6	649.3



TEST NUMBER: P333364-840

CATALOG NUMBER: S125DIW-S375D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9	727.7	726.4	725.5
115°	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6	844.2	842.8	841.2
117.5°	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2	956.4	954.6	953.3
120°	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9	1030.2	1029.6	1028.3
122.5°	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1	1099.5	1098.8	1097.5
125°	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3	1199.9	1198.6	1197.4
127.5°	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7	1293.0	1292.2	1290.6
130°	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0	1353.0	1352.0	1350.6
132.5°	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4	1410.2	1410.0	1409.0
135°	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0	1492.4	1491.7	1490.3
137.5°	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0	1570.1	1570.3	1569.5
140°	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3	1618.0	1618.7	1618.0
142.5°	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7	1663.9	1664.0	1663.0
145°	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2	1729.5	1729.8	1729.0
147.5°	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2	1785.6	1786.0	1785.0
150°	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0	1821.7	1822.4	1821.4
152.5°	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7	1853.3	1854.0	1853.1
155°	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2	1897.2	1898.2	1897.3
157.5°	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2	1933.3	1934.4	1933.6
160°	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6	1956.0	1957.3	1956.7
162.5°	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2	1977.1	1978.9	1978.4
165°	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6	2003.7	2005.7	2005.3
167.5°	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5	2024.0	2026.4	2026.1
170°	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8	2034.6	2037.2	2037.1
172.5°	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8	2042.3	2044.7	2044.4
175°	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5	2051.2	2054.0	2053.8
177.5°	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1	2054.0	2055.9	2055.8
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333364-840

CATALOG NUMBER: S125DIW-S375D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	523.8	525.1	524.0	525.5	524.0	525.1	523.8	524.9	526.6	525.5	528.2
5°	482.8	480.7	482.1	481.2	482.1	480.7	482.8	483.9	486.8	487.7	489.6
7.5°	444.9	442.9	440.6	439.5	440.6	442.9	444.9	445.6	448.0	451.5	454.1
10°	421.2	418.6	418.4	416.8	418.4	418.6	421.2	423.7	425.4	429.8	432.8
12.5°	403.8	401.4	398.8	398.1	398.8	401.4	403.8	406.1	406.6	411.5	413.6
15°	379.2	377.3	375.7	377.1	375.7	377.3	379.2	380.6	383.1	386.7	389.0
17.5°	358.7	357.2	356.9	355.2	356.9	357.2	358.7	359.5	363.7	366.0	370.0
20°	345.8	344.7	345.2	342.0	345.2	344.7	345.8	347.9	352.1	353.3	357.5
22.5°	335.6	333.3	333.0	332.3	333.0	333.3	335.6	337.5	338.3	341.9	344.8
25°	319.4	318.3	317.1	318.3	317.1	318.3	319.4	321.5	322.4	325.1	327.9
27.5°	305.4	304.0	303.7	303.9	303.7	304.0	305.4	305.2	307.7	309.8	311.8
30°	296.8	294.5	294.7	294.5	294.7	294.5	296.8	296.8	298.2	300.1	301.9
32.5°	287.5	285.9	285.6	285.2	285.6	285.9	287.5	287.1	288.9	291.1	293.2
35°	273.7	273.7	272.6	272.6	272.6	273.7	273.7	274.4	276.3	276.3	278.6
37.5°	260.7	260.5	259.8	259.9	259.8	260.5	260.7	261.4	262.0	263.0	264.5
40°	251.1	250.9	250.1	248.7	250.1	250.9	251.1	252.1	252.5	253.7	254.6
42.5°	241.8	241.0	240.7	240.1	240.7	241.0	241.8	242.3	242.6	244.1	246.0
45°	227.0	227.0	226.6	226.3	226.6	227.0	227.0	227.0	227.3	229.1	230.0
47.5°	212.8	213.2	214.1	213.9	214.1	213.2	212.8	212.4	212.5	213.4	214.5
50°	204.2	204.4	205.1	205.3	205.1	204.4	204.2	203.3	202.8	202.8	203.5
52.5°	194.7	196.0	196.9	196.7	196.9	196.0	194.7	193.9	193.1	192.0	193.0
55°	181.3	183.0	184.6	184.8	184.6	183.0	181.3	179.3	178.2	176.4	177.1
57.5°	168.1	170.4	172.1	172.7	172.1	170.4	168.1	165.6	162.6	161.7	160.4
60°	159.2	162.2	164.3	165.2	164.3	162.2	159.2	156.8	152.8	150.3	149.4
62.5°	150.6	154.0	156.0	156.2	156.0	154.0	150.6	146.9	143.0	140.0	138.1
65°	136.5	140.0	141.9	143.3	141.9	140.0	136.5	132.5	128.2	124.1	122.0
67.5°	121.4	124.9	126.9	128.1	126.9	124.9	121.4	116.4	112.4	107.9	105.4
70°	110.4	113.9	116.6	117.6	116.6	113.9	110.4	104.5	101.1	96.8	94.7
72.5°	99.6	102.7	104.9	106.0	104.9	102.7	99.6	94.1	90.0	85.8	83.0
75°	80.7	84.9	87.1	88.2	87.1	84.9	80.7	77.7	73.0	68.6	66.2
77.5°	62.2	66.0	67.4	68.0	67.4	66.0	62.2	58.7	55.1	51.9	49.7
80°	49.9	52.3	53.9	54.1	53.9	52.3	49.9	47.2	44.3	41.3	39.2
82.5°	38.4	40.3	40.8	41.4	40.8	40.3	38.4	36.0	33.5	31.2	29.5
85°	21.0	21.9	22.2	21.9	22.2	21.9	21.0	19.4	18.2	17.1	16.4
87.5°	13.6	13.6	13.8	14.4	13.8	13.6	13.6	13.0	12.9	12.2	11.5
90°	33.4	34.4	35.4	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7
92.5°	32.6	33.1	33.6	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7
95°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7
97.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7
100°	36.0	34.6	33.3	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8
102.5°	260.1	237.2	214.2	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4
105°	452.5	452.2	451.8	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0
107.5°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6
110°	649.6	649.9	650.4	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	725.1	724.6	724.1	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9
115°	839.2	837.1	835.1	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6
117.5°	952.5	951.6	950.7	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2
120°	1026.6	1024.9	1023.3	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9
122.5°	1095.6	1093.6	1091.7	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1
125°	1196.4	1195.4	1194.4	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3
127.5°	1288.1	1285.7	1283.1	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7
130°	1349.0	1347.3	1345.5	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0
132.5°	1407.3	1405.6	1403.9	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4
135°	1488.2	1486.2	1484.2	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0
137.5°	1567.7	1566.0	1564.2	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0
140°	1616.0	1614.0	1611.9	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3
142.5°	1660.9	1658.9	1656.9	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7
145°	1727.0	1725.0	1722.9	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2
147.5°	1782.6	1780.2	1777.8	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2
150°	1818.7	1815.9	1813.3	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0
152.5°	1850.7	1848.3	1845.8	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7
155°	1894.7	1892.0	1889.3	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2
157.5°	1930.9	1928.1	1925.4	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2
160°	1954.0	1951.3	1948.5	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6
162.5°	1975.5	1972.5	1969.5	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2
165°	2002.7	1999.9	1997.2	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6
167.5°	2023.1	2020.0	2017.0	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5
170°	2034.1	2031.0	2027.9	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8
172.5°	2041.3	2038.3	2035.3	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8
175°	2050.7	2047.7	2044.7	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5
177.5°	2053.6	2051.4	2049.2	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	10.4	10.3	9.4	9.0	8.3	8.0	7.2	6.4	5.7	5.4	5.4
90°	26.1	24.3	21.9	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5
92.5°	26.1	24.3	22.2	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4
95°	26.1	24.3	37.2	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6
97.5°	65.2	74.8	100.2	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9
100°	214.2	264.5	263.2	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9
102.5°	328.0	337.5	336.7	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1
105°	453.0	453.0	453.0	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0
107.5°	573.5	573.4	572.8	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4
110°	652.7	653.7	653.0	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7



TEST NUMBER: P333364-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	730.2	731.5	731.1	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1
115°	846.9	848.3	848.0	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2
117.5°	959.9	961.7	960.4	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2
120°	1031.6	1032.2	1031.2	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2
122.5°	1100.9	1101.6	1101.1	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7
125°	1202.6	1204.0	1204.0	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4
127.5°	1294.4	1295.3	1295.5	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5
130°	1355.0	1356.0	1355.6	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9
132.5°	1410.6	1410.8	1411.5	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2
135°	1493.7	1494.4	1495.0	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2
137.5°	1569.9	1569.7	1570.3	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6
140°	1616.7	1616.0	1616.3	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5
142.5°	1663.6	1663.4	1662.9	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4
145°	1728.8	1728.5	1728.5	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5
147.5°	1784.8	1784.4	1784.0	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2
150°	1820.4	1819.7	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7
152.5°	1852.0	1851.3	1850.7	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9
155°	1895.2	1894.2	1893.5	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3
157.5°	1931.2	1930.1	1930.0	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2
160°	1953.3	1952.0	1951.6	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5
162.5°	1973.3	1971.4	1971.1	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0
165°	1999.5	1997.5	1997.2	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2
167.5°	2019.1	2016.7	2016.4	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6
170°	2029.1	2026.4	2026.1	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6
172.5°	2037.4	2035.0	2034.4	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9
175°	2045.9	2043.2	2042.9	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7
177.5°	2050.2	2048.3	2048.0	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333364-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.8	555.3	557.0	560.2	562.8	564.3	565.6	566.7	568.0	569.2	572.4
5°	556.3	562.4	567.5	575.4	582.7	588.2	594.3	599.7	604.1	610.5	615.3
7.5°	554.7	565.5	576.8	589.2	601.7	613.3	624.1	634.1	643.2	654.2	663.9
10°	553.3	567.9	582.4	599.1	616.0	630.5	644.0	657.8	667.8	681.9	693.8
12.5°	552.2	569.5	586.9	606.8	625.5	646.0	664.0	674.1	689.3	700.5	714.7
15°	547.4	570.3	594.3	616.7	643.4	662.3	678.1	697.7	712.0	726.2	741.5
17.5°	539.0	564.9	591.8	621.2	646.6	666.9	687.4	706.3	723.3	742.4	761.5
20°	535.0	561.0	591.8	621.9	646.8	668.0	689.0	709.8	728.5	753.1	775.2
22.5°	526.8	558.2	586.5	615.9	641.6	664.7	688.5	712.1	736.9	764.6	792.3
25°	512.2	543.9	574.0	603.0	628.8	657.8	683.3	714.8	746.5	783.2	817.7
27.5°	497.0	527.4	554.9	582.9	613.1	645.9	678.8	714.6	756.2	802.4	851.1
30°	484.6	513.4	540.2	568.9	600.4	637.2	673.5	715.9	764.0	816.0	873.9
32.5°	470.3	496.8	522.8	553.2	587.5	626.4	668.6	715.2	773.0	832.0	891.6
35°	445.7	467.9	494.7	527.1	565.8	610.5	659.2	714.3	780.5	848.5	898.6
37.5°	416.6	437.2	465.4	501.0	541.6	589.5	647.3	712.7	783.0	837.2	853.3
40°	396.9	416.1	445.5	482.3	523.8	574.5	637.9	707.0	775.2	809.7	796.4
42.5°	376.0	396.1	424.7	461.2	505.9	561.1	626.2	695.3	752.5	765.5	719.5
45°	343.1	363.8	392.0	428.9	477.0	536.7	604.6	667.4	700.2	676.7	605.5
47.5°	312.4	331.8	358.0	396.1	445.7	507.5	572.8	622.9	625.5	569.3	493.2
50°	291.4	309.4	335.8	373.9	423.0	485.6	544.6	584.1	566.3	502.6	429.6
52.5°	270.9	288.5	314.5	352.1	400.8	458.2	513.1	540.8	507.4	441.9	379.6
55°	241.3	256.7	282.2	316.9	363.0	416.3	462.9	472.5	429.1	364.8	314.1
57.5°	212.4	226.7	249.8	281.9	324.2	371.2	407.8	405.7	359.8	304.6	264.4
60°	192.8	206.7	227.3	258.5	297.1	337.7	368.9	361.4	316.0	268.3	234.5
62.5°	175.2	187.7	207.1	234.5	269.6	307.2	332.9	321.8	277.3	235.7	208.9
65°	149.4	159.9	176.4	199.8	228.9	259.9	279.8	265.6	227.5	195.1	173.6
67.5°	124.6	133.1	146.9	165.6	190.5	215.4	227.4	213.2	182.7	159.1	143.1
70°	109.0	116.4	127.1	143.7	165.4	186.4	195.5	182.7	156.5	136.2	124.8
72.5°	93.3	99.5	108.9	123.8	141.2	159.4	167.3	155.1	133.6	116.4	105.8
75°	72.1	76.3	82.8	93.1	106.8	121.4	125.7	115.0	101.3	88.5	81.4
77.5°	51.6	55.1	60.1	66.6	76.3	85.5	89.4	83.2	72.6	64.4	58.7
80°	39.7	41.5	45.7	51.1	58.8	64.6	67.2	63.2	55.7	49.7	45.2
82.5°	28.3	30.2	32.6	37.1	42.0	45.9	48.7	46.0	40.7	35.9	33.3
85°	13.7	14.9	16.4	18.2	21.9	24.2	24.0	22.4	20.3	18.5	17.1
87.5°	5.7	6.5	7.6	9.0	10.1	11.3	12.1	12.2	11.9	11.7	11.5
90°	4.2	7.0	9.6	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7
92.5°	21.5	19.6	17.8	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7
95°	85.6	84.6	83.6	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7
97.5°	182.7	184.5	186.4	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7
100°	254.9	255.9	256.9	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8
102.5°	329.3	330.6	331.9	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4
105°	448.3	449.7	451.0	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	570.4	570.4	570.4	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6
110°	650.7	650.7	650.7	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	726.9	727.7	728.5	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9
115°	840.8	842.5	844.2	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6
117.5°	956.1	956.0	956.0	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2
120°	1028.9	1028.5	1028.1	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9
122.5°	1094.9	1096.2	1097.5	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1
125°	1195.7	1198.1	1200.4	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3
127.5°	1290.2	1291.9	1293.6	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7
130°	1348.6	1350.3	1352.0	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0
132.5°	1407.2	1409.2	1411.2	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4
135°	1490.3	1492.4	1494.4	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0
137.5°	1566.3	1568.1	1569.8	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0
140°	1615.2	1615.8	1616.5	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3
142.5°	1659.8	1660.2	1660.6	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7
145°	1726.1	1726.8	1727.5	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2
147.5°	1783.0	1782.9	1782.8	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2
150°	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0
152.5°	1853.5	1852.0	1850.5	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7
155°	1898.2	1896.2	1894.2	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2
157.5°	1934.0	1932.8	1931.6	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2
160°	1957.5	1955.5	1953.5	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6
162.5°	1977.0	1975.0	1972.9	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2
165°	2003.2	2001.0	1999.0	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6
167.5°	2022.6	2020.4	2018.3	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5
170°	2033.2	2030.8	2028.4	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8
172.5°	2040.5	2038.1	2035.8	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8
175°	2048.7	2046.7	2044.7	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5
177.5°	2052.8	2051.1	2049.5	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	575.0	576.4	579.7	578.6	580.0	580.8	581.5
5°	621.4	628.8	632.2	631.7	636.6	635.4	634.2
7.5°	673.9	681.7	686.1	691.6	694.7	695.0	697.7
10°	703.6	713.8	718.0	723.9	727.6	729.7	729.4
12.5°	726.3	734.4	743.8	746.6	751.6	754.4	753.4
15°	753.8	766.6	776.4	781.2	787.6	789.4	791.9
17.5°	778.2	795.4	806.8	822.0	827.8	831.3	829.2
20°	796.7	819.3	830.7	848.9	859.0	864.3	862.4
22.5°	818.5	843.0	864.1	879.9	895.1	902.4	903.9
25°	856.0	889.5	920.6	941.3	960.2	964.6	974.4
27.5°	897.8	937.4	970.6	992.4	1005.5	1010.5	1013.6
30°	924.0	963.5	988.5	1002.5	1006.6	1006.2	1005.7
32.5°	937.0	961.6	966.4	962.5	952.9	944.7	936.2
35°	918.7	900.3	872.7	837.3	811.1	784.8	782.1
37.5°	826.3	767.3	721.4	670.2	640.8	622.5	609.9
40°	739.2	672.3	616.7	573.6	543.5	531.6	519.9
42.5°	644.8	580.8	531.6	495.5	472.9	459.7	450.5
45°	523.8	467.4	428.9	402.7	384.8	374.6	368.7
47.5°	429.3	387.5	354.8	335.9	323.6	315.6	315.6
50°	378.5	338.6	316.9	301.9	291.2	284.9	286.1
52.5°	333.5	303.7	285.2	272.7	264.7	260.8	260.6
55°	278.8	257.4	245.3	236.1	230.8	226.3	227.3
57.5°	238.5	220.5	212.3	204.7	201.0	199.2	196.6
60°	213.5	199.5	192.5	186.4	182.7	181.3	178.7
62.5°	191.3	180.3	173.5	168.5	165.2	164.7	162.7
65°	160.8	152.4	146.3	144.0	140.5	139.6	139.6
67.5°	132.5	126.5	121.8	119.7	118.2	118.4	117.2
70°	114.8	109.9	106.8	104.5	103.4	103.6	102.7
72.5°	100.5	94.9	92.3	90.9	89.4	90.0	89.6
75°	76.0	73.3	71.9	70.5	69.6	69.1	68.6
77.5°	55.8	53.4	52.3	51.5	51.7	50.5	51.4
80°	43.1	41.1	40.4	39.2	39.0	39.0	38.8
82.5°	31.6	30.4	29.9	29.0	28.5	28.9	28.3
85°	16.4	15.5	15.1	15.1	14.7	14.2	15.5
87.5°	11.8	11.4	11.7	11.7	11.9	11.9	11.8
90°	29.4	31.1	32.4	33.4	34.4	35.4	36.5
92.5°	29.4	31.1	32.1	32.6	33.1	33.6	34.0
95°	29.4	31.1	31.9	31.9	31.9	31.9	31.9
97.5°	46.3	36.7	31.9	31.9	31.9	31.9	31.9
100°	113.5	63.2	37.4	36.0	34.6	33.3	31.9
102.5°	308.9	299.4	283.2	260.1	237.2	214.2	191.3
105°	453.0	453.0	452.8	452.5	452.2	451.8	451.5
107.5°	573.6	573.7	573.2	572.2	571.2	570.2	569.2
110°	650.7	649.6	649.3	649.6	649.9	650.4	650.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	727.7	726.4	725.5	725.1	724.6	724.1	723.6
115°	844.2	842.8	841.2	839.2	837.1	835.1	833.0
117.5°	956.4	954.6	953.3	952.5	951.6	950.7	949.8
120°	1030.2	1029.6	1028.3	1026.6	1024.9	1023.3	1021.6
122.5°	1099.5	1098.8	1097.5	1095.6	1093.6	1091.7	1089.6
125°	1199.9	1198.6	1197.4	1196.4	1195.4	1194.4	1193.4
127.5°	1293.0	1292.2	1290.6	1288.1	1285.7	1283.1	1280.6
130°	1353.0	1352.0	1350.6	1349.0	1347.3	1345.5	1343.8
132.5°	1410.2	1410.0	1409.0	1407.3	1405.6	1403.9	1402.2
135°	1492.4	1491.7	1490.3	1488.2	1486.2	1484.2	1482.2
137.5°	1570.1	1570.3	1569.5	1567.7	1566.0	1564.2	1562.5
140°	1618.0	1618.7	1618.0	1616.0	1614.0	1611.9	1609.9
142.5°	1663.9	1664.0	1663.0	1660.9	1658.9	1656.9	1654.9
145°	1729.5	1729.8	1729.0	1727.0	1725.0	1722.9	1720.9
147.5°	1785.6	1786.0	1785.0	1782.6	1780.2	1777.8	1775.3
150°	1821.7	1822.4	1821.4	1818.7	1815.9	1813.3	1810.6
152.5°	1853.3	1854.0	1853.1	1850.7	1848.3	1845.8	1843.4
155°	1897.2	1898.2	1897.3	1894.7	1892.0	1889.3	1886.5
157.5°	1933.3	1934.4	1933.6	1930.9	1928.1	1925.4	1922.8
160°	1956.0	1957.3	1956.7	1954.0	1951.3	1948.5	1945.9
162.5°	1977.1	1978.9	1978.4	1975.5	1972.5	1969.5	1966.5
165°	2003.7	2005.7	2005.3	2002.7	1999.9	1997.2	1994.5
167.5°	2024.0	2026.4	2026.1	2023.1	2020.0	2017.0	2014.0
170°	2034.6	2037.2	2037.1	2034.1	2031.0	2027.9	2024.9
172.5°	2042.3	2044.7	2044.4	2041.3	2038.3	2035.3	2032.3
175°	2051.2	2054.0	2053.8	2050.7	2047.7	2044.7	2041.6
177.5°	2054.0	2055.9	2055.8	2053.6	2051.4	2049.2	2047.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7

(END OF REPORT)