

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: P333725-840

Luminaire Tested: **S125RDIW-S1270D770U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333725-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1270D770U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

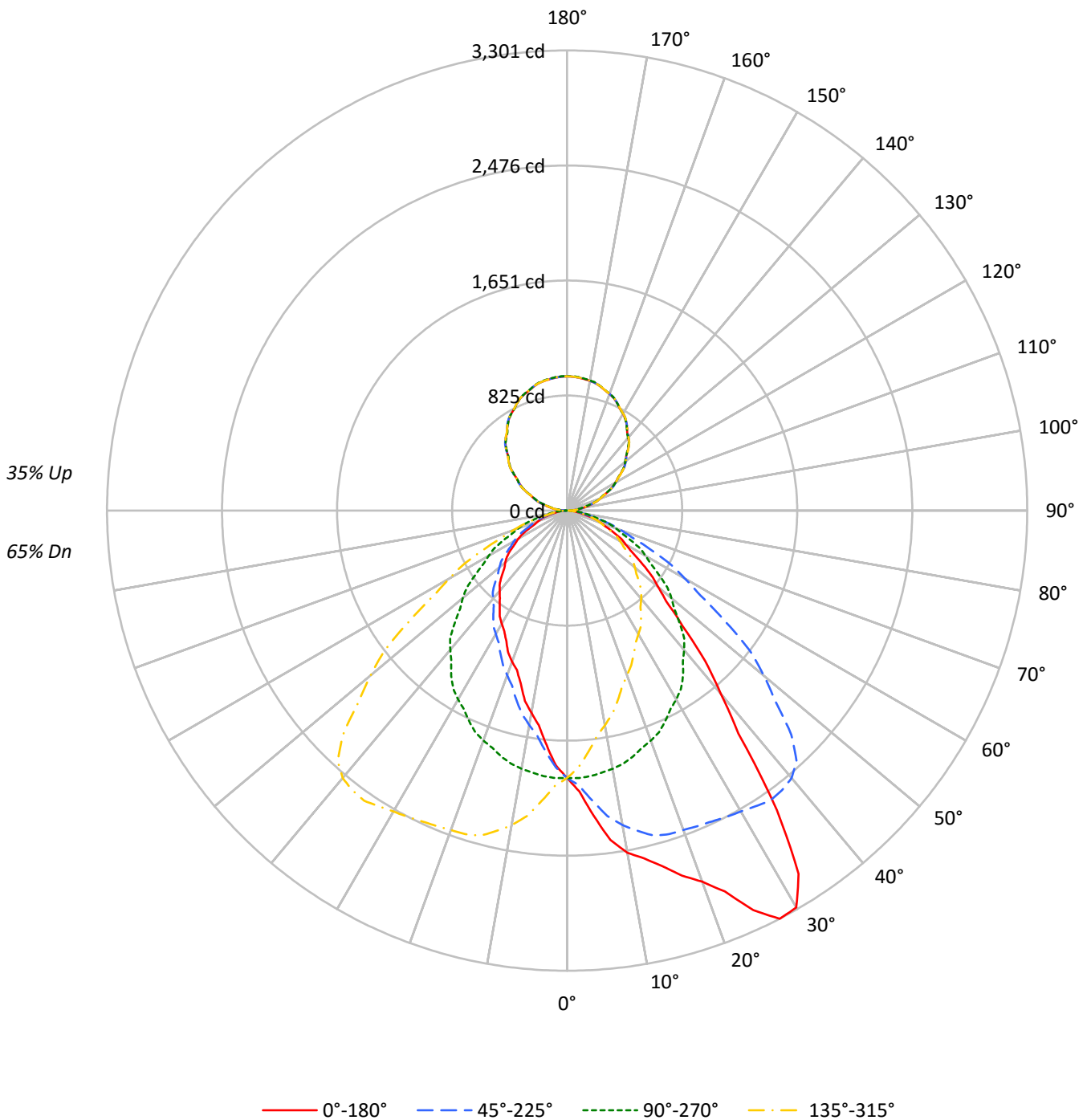
Lumens per Lamp: N/A  
Luminaire Lumens: 7658.4 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 59.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	70	70	70	65	
1	102	97	94	90	95	92	89	86	81	79	77	72	70	68	63	61	60	60	60	60	56	
2	93	86	80	75	87	81	76	71	72	68	64	63	60	58	56	53	51	51	51	51	48	
3	85	76	69	63	80	72	65	60	64	59	55	57	53	49	50	47	44	44	44	44	41	
4	78	67	60	54	73	64	57	51	57	51	47	51	46	43	45	41	39	39	39	39	35	
5	72	60	52	46	67	57	50	44	51	45	41	46	41	37	40	37	34	34	34	34	31	
6	66	54	46	40	62	52	44	39	46	40	36	41	37	33	37	33	30	30	30	30	27	
7	62	49	41	36	58	47	39	34	42	36	32	38	33	29	34	30	27	27	27	27	24	
8	57	45	37	32	54	43	36	31	39	33	28	35	30	26	31	27	24	24	24	24	22	
9	53	41	33	28	50	39	32	27	35	30	25	32	27	24	29	25	22	22	22	22	20	
10	50	38	30	26	47	36	29	25	33	27	23	30	25	21	27	23	20	20	20	20	18	

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

	0°	90°	180°	270°
0°	12385	12385	12385	12385
5°	14249	12401	10952	12401
10°	16344	12338	9664	12338
15°	17653	12211	8590	12211
20°	19467	12065	7932	12065
25°	22528	11870	7360	11870
30°	24515	11665	6986	11665
35°	20679	11427	6641	11427
40°	14441	10997	6345	10997
45°	10714	10418	6054	10418
50°	8542	9815	5805	9815
55°	7250	9067	5584	9067
60°	6263	8400	5227	8400
65°	5582	7674	4499	7674
70°	4904	7030	4101	7030
75°	4245	6089	3850	6089
80°	3217	5121	3217	5121
85°	2690	4024	3031	4024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.9	2.4
10°-20°	538.9	7.0
20°-30°	854.5	11.2
30°-40°	1030.4	13.5
40°-50°	920.2	12.0
50°-60°	705.7	9.2
60°-70°	458.6	6.0
70°-80°	223.0	2.9
80°-90°	55.3	0.7
90°-100°	64.5	0.8
100°-110°	190.5	2.5
110°-120°	322.7	4.2
120°-130°	424.7	5.5
130°-140°	475.9	6.2
140°-150°	466.4	6.1
150°-160°	391.7	5.1
160°-170°	260.4	3.4
170°-180°	91.1	1.2
0°-30°	1577.3	20.6
0°-40°	2607.7	34.0
0°-60°	4233.5	55.3
0°-90°	4970.4	64.9
90°-120°	577.8	7.5
90°-150°	1944.8	25.4
90°-180°	2688.0	35.1
0°-180°	7658.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	2198	1913	1689	1913	2198	220
15°	2640	1826	1285	1826	2640	757
25°	3161	1666	1033	1666	3161	1452
35°	2623	1449	842	1449	2623	1584
45°	1173	1141	663	1141	1173	936
55°	644	805	496	805	644	584
65°	365	502	294	502	365	363
75°	170	244	154	244	170	181
85°	36	54	41	54	36	42
90°	18	1	18	1	18	12
95°	64	49	64	49	64	66
105°	186	171	186	171	186	197
115°	326	323	326	323	326	323
125°	474	472	474	472	474	424
135°	616	613	616	613	616	475
145°	746	743	746	743	746	466
155°	850	850	850	850	850	391
165°	922	924	922	924	922	260
175°	957	961	957	961	957	91
180°	963	963	963	963	963	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2017.1	2015.9	2018.4	2011.4	2012.1	2001.4	2001.4	1993.2	1982.5	1974.3	1970.5
5°	2197.9	2199.5	2196.3	2184.4	2176.7	2164.8	2151.4	2127.8	2108.1	2089.2	2074.3
7.5°	2384.0	2385.1	2374.7	2371.1	2351.2	2336.7	2306.9	2274.8	2246.3	2210.2	2182.4
10°	2492.2	2491.5	2480.4	2471.8	2454.5	2432.5	2403.4	2365.5	2330.2	2290.8	2253.0
12.5°	2555.3	2553.2	2549.7	2539.2	2523.1	2503.7	2478.9	2441.8	2398.1	2355.0	2310.9
15°	2640.3	2634.7	2624.5	2611.1	2588.3	2565.5	2537.9	2504.9	2463.2	2414.4	2373.4
17.5°	2745.4	2745.6	2729.9	2711.3	2680.3	2640.0	2597.5	2544.1	2487.4	2433.7	2390.1
20°	2832.4	2829.9	2814.3	2778.0	2742.6	2692.2	2643.4	2578.1	2508.8	2438.7	2384.4
22.5°	2957.1	2950.9	2934.6	2887.0	2832.1	2767.1	2692.5	2612.7	2529.0	2449.4	2378.1
25°	3161.4	3156.6	3124.4	3069.3	2992.1	2892.2	2794.6	2685.1	2564.8	2460.0	2373.4
27.5°	3301.2	3296.0	3272.1	3226.3	3155.1	3049.9	2917.8	2771.6	2621.2	2477.2	2352.3
30°	3287.3	3299.1	3296.0	3274.8	3221.3	3126.7	3004.8	2840.2	2661.5	2492.2	2343.5
32.5°	3089.6	3100.2	3127.9	3169.6	3172.7	3134.9	3043.8	2891.8	2706.8	2514.4	2336.5
35°	2622.9	2637.2	2690.7	2774.9	2885.1	2977.2	2996.1	2914.3	2748.1	2541.1	2326.2
37.5°	2016.5	2094.0	2139.0	2227.7	2394.2	2563.6	2726.5	2786.5	2715.8	2530.1	2309.4
40°	1712.9	1731.8	1812.1	1912.1	2052.2	2228.6	2460.8	2628.5	2633.9	2504.9	2282.9
42.5°	1466.1	1490.1	1545.1	1625.0	1744.9	1921.3	2161.0	2382.3	2484.8	2435.6	2248.3
45°	1173.0	1191.0	1231.2	1292.6	1384.7	1530.3	1736.6	1992.4	2195.5	2275.0	2155.4
47.5°	963.5	973.3	1008.2	1055.0	1123.2	1229.3	1389.0	1611.0	1854.6	2025.5	2008.6
50°	850.2	861.2	888.0	923.4	980.9	1070.6	1198.1	1383.1	1634.3	1842.8	1884.6
52.5°	762.0	771.1	787.8	821.3	868.8	937.8	1040.7	1208.0	1434.0	1655.8	1752.3
55°	643.9	650.3	663.6	682.5	720.3	769.9	858.8	974.5	1157.2	1380.8	1522.5
57.5°	546.6	549.8	558.3	575.7	601.9	638.1	702.4	800.4	931.4	1132.8	1289.1
60°	484.9	488.1	499.1	510.9	531.4	564.4	614.8	683.3	809.2	975.3	1133.6
62.5°	435.8	437.7	442.4	454.2	472.2	497.7	537.3	593.2	693.4	839.3	988.8
65°	365.3	366.1	367.6	377.1	388.1	407.0	432.9	472.3	547.9	658.1	790.3
67.5°	297.6	298.6	304.2	307.5	319.0	328.9	344.2	374.3	427.5	501.8	604.6
70°	259.7	259.0	264.5	268.4	272.4	284.2	294.4	318.8	351.8	408.6	494.3
72.5°	224.5	222.5	224.8	226.2	231.5	239.4	249.7	264.7	290.1	329.2	394.9
75°	170.1	170.9	170.9	172.4	176.3	179.5	182.6	190.5	204.7	230.7	266.1
77.5°	119.4	118.1	121.4	121.9	124.2	127.6	130.4	133.5	139.4	150.1	168.3
80°	86.5	86.5	87.4	89.8	89.0	90.5	94.4	97.7	104.7	111.0	117.2
82.5°	66.4	65.8	66.6	67.1	67.0	68.5	69.9	70.5	73.2	76.3	80.8
85°	36.3	36.3	37.0	37.0	37.8	37.8	38.6	38.6	38.6	39.4	40.2
87.5°	17.5	16.8	16.0	15.9	16.5	17.6	16.8	16.0	15.8	15.7	16.1
90°	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6	12.8	12.0	10.8
92.5°	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0	29.9	28.8	27.4
95°	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1	58.9	57.8	56.0
97.5°	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1	93.0	91.9	89.6
100°	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6	116.2	114.7	112.5
102.5°	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0	140.4	138.7	137.5
105°	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2	180.2	179.2	178.1
107.5°	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5	223.0	222.5	221.8
110°	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9	252.4	251.9	251.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4	282.2	281.9	281.2
115°	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3	327.4	327.6	327.3
117.5°	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2	372.1	372.0	371.7
120°	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5	402.5	402.5	402.4
122.5°	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3	432.4	432.5	432.1
125°	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2	476.5	476.8	476.7
127.5°	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7	519.8	520.0	519.8
130°	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5	548.6	548.8	548.5
132.5°	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0	576.2	576.3	576.4
135°	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4	618.4	618.4	618.3
137.5°	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8	659.6	659.4	659.0
140°	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9	685.5	685.2	684.7
142.5°	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3	711.1	710.9	710.3
145°	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2	748.2	748.2	747.7
147.5°	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2	781.8	781.4	781.0
150°	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7	803.7	803.7	802.9
152.5°	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6	823.2	822.8	822.5
155°	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2	851.5	850.9	850.7
157.5°	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0	876.3	875.7	875.5
160°	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9	891.3	890.6	890.4
162.5°	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1	905.2	904.4	904.3
165°	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9	924.2	923.6	923.4
167.5°	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0	938.0	937.0	937.0
170°	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4	946.3	945.3	945.3
172.5°	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3	952.3	951.3	951.3
175°	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1	959.1	958.1	958.1
177.5°	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1	962.3	961.5	961.7
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1970.5	1966.1	1957.9	1950.4	1941.0	1932.8	1927.0	1920.2	1911.4	1900.7	1891.8
5°	2057.7	2040.4	2017.6	1997.9	1972.8	1953.1	1932.6	1912.9	1893.2	1868.0	1846.0
7.5°	2154.4	2118.7	2083.9	2040.1	2000.4	1965.0	1931.0	1896.5	1862.8	1827.0	1792.6
10°	2213.6	2170.3	2122.3	2067.2	2016.8	1968.8	1924.7	1881.4	1835.7	1795.6	1752.3
12.5°	2269.1	2213.1	2158.2	2088.6	2028.1	1969.4	1913.4	1859.4	1810.6	1758.5	1712.0
15°	2319.1	2264.0	2202.6	2117.6	2033.4	1962.5	1896.3	1826.3	1765.6	1707.5	1655.5
17.5°	2338.4	2280.7	2209.4	2127.7	2035.6	1946.4	1861.3	1784.4	1713.1	1645.3	1586.8
20°	2330.9	2275.0	2201.8	2123.8	2025.5	1932.6	1840.5	1755.4	1676.0	1604.3	1542.2
22.5°	2312.7	2254.8	2184.1	2101.8	2008.4	1910.0	1811.5	1720.8	1637.5	1563.4	1495.5
25°	2285.2	2206.6	2134.1	2053.8	1964.9	1867.2	1765.6	1665.7	1576.8	1501.2	1427.2
27.5°	2256.7	2158.5	2066.4	1986.6	1892.6	1805.5	1707.6	1605.1	1511.6	1434.6	1358.7
30°	2230.9	2120.7	2019.1	1928.6	1839.7	1757.1	1664.2	1564.2	1468.1	1388.7	1311.5
32.5°	2198.8	2081.6	1970.0	1865.6	1779.9	1697.9	1613.8	1518.2	1424.7	1342.6	1264.3
35°	2158.5	2008.9	1887.7	1776.8	1681.4	1601.9	1526.4	1449.3	1355.5	1270.5	1194.2
37.5°	2105.6	1935.9	1795.6	1674.7	1574.3	1494.4	1434.7	1364.2	1278.7	1197.3	1126.5
40°	2073.5	1883.0	1729.5	1609.8	1504.3	1420.1	1364.2	1304.4	1226.5	1150.1	1079.2
42.5°	2030.6	1834.5	1662.7	1538.0	1431.9	1350.8	1294.3	1242.0	1176.7	1104.8	1028.9
45°	1946.7	1740.5	1560.2	1426.4	1319.4	1239.8	1187.1	1140.6	1091.1	1024.9	958.8
47.5°	1837.4	1642.4	1453.8	1307.7	1202.9	1129.0	1077.8	1041.2	1005.7	949.5	885.2
50°	1750.0	1561.9	1377.6	1235.9	1124.1	1054.1	1006.0	976.9	944.6	893.4	839.9
52.5°	1646.7	1478.6	1298.3	1153.4	1047.9	982.3	936.1	907.1	880.4	838.7	787.7
55°	1483.9	1336.7	1171.3	1039.9	943.1	877.0	832.8	805.3	789.6	754.2	714.0
57.5°	1296.1	1190.5	1044.8	918.1	832.4	767.1	734.8	711.3	693.6	668.5	640.2
60°	1165.1	1091.1	960.4	839.9	761.2	699.0	669.9	650.3	633.7	612.5	590.4
62.5°	1032.2	978.4	864.6	761.2	688.8	636.7	609.5	591.7	572.6	558.3	536.8
65°	854.1	806.1	727.4	646.3	579.4	537.7	518.0	502.2	490.4	474.6	459.7
67.5°	664.4	644.9	590.6	534.6	486.7	449.5	432.5	421.5	407.3	397.9	387.6
70°	547.9	538.5	499.9	462.9	418.0	392.8	377.1	372.3	355.1	345.6	338.5
72.5°	444.6	440.2	418.0	392.3	360.7	338.6	324.2	318.8	307.8	300.2	295.7
75°	304.7	306.2	302.3	285.8	274.0	259.7	247.2	244.0	236.2	229.8	225.9
77.5°	192.7	200.8	201.1	200.3	195.5	186.9	181.7	179.4	171.6	169.3	168.3
80°	132.3	140.9	148.8	147.9	146.4	144.1	140.2	137.7	133.8	131.5	129.9
82.5°	88.2	96.2	102.8	107.0	106.7	104.4	101.7	100.6	99.8	98.1	97.8
85°	41.7	43.3	45.6	51.2	55.1	55.8	55.1	54.3	51.9	52.7	53.5
87.5°	16.5	16.2	16.6	16.4	15.5	18.3	19.9	20.3	19.3	18.3	17.4
90°	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2	19.1	20.0	20.9
95°	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8	49.1	49.4	49.7
97.5°	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0	81.1	81.2	81.4
100°	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
102.5°	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8	131.4	132.1	132.7
105°	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0	171.8	172.6	173.4
107.5°	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3	216.1	217.0	217.8
110°	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9	246.7	247.5	248.4





TEST NUMBER: P333725-840

CATALOG NUMBER: S125RDIW-S1270D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1	277.5	277.9	278.4
115°	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2	323.8	324.5	325.1
117.5°	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3	369.6	369.9	370.2
120°	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1	398.9	399.7	400.6
122.5°	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3	429.6	429.9	430.2
125°	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5	472.5	473.5	474.5
127.5°	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5	517.1	517.7	518.3
130°	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5	544.3	545.2	546.0
132.5°	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5	571.9	573.2	574.6
135°	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2	614.2	615.2	616.2
137.5°	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4	654.4	655.3	656.3
140°	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2	680.0	680.9	681.7
142.5°	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0	705.7	706.4	707.1
145°	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0	743.6	744.3	744.9
147.5°	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0	778.4	778.7	779.1
150°	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4	801.2	801.0	800.9
152.5°	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6	820.8	821.0	821.3
155°	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1	850.1	850.1	850.1
157.5°	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6	876.2	875.8	875.5
160°	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1	891.6	891.1	890.6
162.5°	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9	905.5	905.1	904.8
165°	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3	924.0	923.7	923.3
167.5°	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0	939.3	938.6	938.0
170°	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4	947.7	947.0	946.3
172.5°	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3	953.6	953.0	952.3
175°	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1	960.4	959.8	959.1
177.5°	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5	964.0	963.4	962.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333725-840

CATALOG NUMBER: S125RDIW-S1270D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1885.5	1876.7	1870.4	1857.7	1849.0	1845.2	1838.3	1836.3	1843.3	1838.3	1837.7
5°	1829.5	1806.6	1788.6	1770.4	1750.7	1738.2	1719.3	1716.1	1711.4	1704.2	1702.7
7.5°	1762.2	1732.5	1709.2	1679.3	1653.3	1632.3	1608.7	1597.5	1591.4	1582.3	1570.0
10°	1716.9	1681.4	1650.0	1620.0	1587.8	1561.9	1538.2	1520.0	1508.2	1497.2	1492.6
12.5°	1672.1	1636.1	1595.8	1559.6	1523.6	1494.4	1468.2	1456.5	1443.4	1430.5	1419.5
15°	1602.8	1554.7	1510.7	1468.9	1438.2	1406.7	1381.5	1364.2	1344.5	1339.1	1317.8
17.5°	1529.0	1482.0	1430.4	1386.4	1350.8	1316.2	1288.5	1268.8	1254.1	1233.8	1224.0
20°	1483.1	1427.2	1376.8	1336.7	1297.3	1256.4	1228.0	1211.5	1197.3	1180.8	1173.0
22.5°	1434.0	1379.4	1327.7	1280.6	1240.6	1200.3	1180.1	1163.1	1146.9	1131.7	1121.3
25°	1361.9	1306.8	1252.4	1203.7	1162.0	1132.8	1109.1	1089.4	1080.9	1065.9	1054.8
27.5°	1290.5	1231.9	1175.6	1126.9	1094.2	1065.4	1046.0	1030.5	1014.8	1001.8	992.2
30°	1244.6	1184.8	1123.4	1084.8	1050.2	1022.6	1001.3	986.3	974.5	962.7	955.6
32.5°	1198.6	1136.9	1082.4	1040.7	1007.9	984.1	962.3	948.0	935.5	922.4	914.1
35°	1124.9	1062.0	1017.8	976.9	944.6	922.6	907.7	887.2	877.0	867.5	858.8
37.5°	1056.4	997.8	950.2	914.2	886.3	864.3	845.0	833.9	821.3	812.8	805.7
40°	1006.0	952.5	909.2	871.4	851.0	826.6	808.5	794.3	784.9	773.9	766.0
42.5°	960.7	911.0	868.9	835.0	809.4	788.8	771.3	757.1	745.2	737.3	730.6
45°	896.7	847.1	806.1	774.6	751.0	731.3	713.2	706.1	690.3	681.0	677.8
47.5°	830.3	786.0	746.4	717.4	693.2	674.6	657.6	643.2	634.5	625.2	620.2
50°	785.7	743.2	706.1	677.8	654.2	633.7	617.9	608.5	596.7	588.0	581.8
52.5°	740.9	701.6	664.6	637.4	617.0	596.5	579.0	569.5	558.3	552.8	548.4
55°	677.0	635.3	603.8	577.0	555.7	536.8	520.4	510.9	503.8	498.3	496.8
57.5°	604.6	571.5	542.2	518.2	496.0	478.3	463.8	454.8	448.6	447.8	443.0
60°	557.3	527.5	500.7	474.6	455.8	439.3	426.7	416.5	410.1	409.3	407.8
62.5°	510.1	481.4	456.6	433.7	416.8	400.8	388.9	377.4	373.7	369.7	366.2
65°	440.0	414.0	393.6	375.5	357.4	344.0	332.2	325.1	316.5	311.7	303.1
67.5°	371.2	351.1	331.4	316.2	301.9	289.2	279.4	268.9	263.1	259.3	253.0
70°	325.9	310.1	290.4	274.0	263.0	252.7	244.8	233.0	229.0	225.9	222.8
72.5°	283.1	269.2	252.7	239.3	228.3	218.6	209.5	204.0	200.2	196.9	195.1
75°	222.8	209.4	195.2	185.8	177.9	170.1	165.3	161.4	159.8	159.1	155.8
77.5°	163.6	156.5	145.1	137.6	132.4	129.3	125.0	123.0	122.8	119.4	118.3
80°	125.1	121.2	111.8	108.7	104.7	101.6	99.2	95.2	91.3	89.8	87.4
82.5°	93.0	89.1	85.3	80.3	77.0	75.1	72.7	71.3	71.8	69.6	68.5
85°	49.6	45.6	44.1	43.3	41.7	43.3	42.5	41.7	40.9	40.2	40.9
87.5°	17.0	17.2	16.8	18.3	16.7	17.5	17.7	17.2	17.4	17.6	17.1
90°	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6	14.5	15.3	16.0
92.5°	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0	32.1	33.2	33.9
95°	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1	61.2	62.4	63.1
97.5°	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1	95.2	96.3	96.9
100°	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6	119.2	120.7	121.6
102.5°	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0	143.6	145.2	146.2
105°	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2	182.2	183.2	183.9
107.5°	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5	224.0	224.5	224.7
110°	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9	253.4	253.9	254.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4	282.6	282.8	282.8
115°	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3	327.1	326.9	326.8
117.5°	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2	372.3	372.5	372.2
120°	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5	402.5	402.5	402.2
122.5°	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3	432.1	432.0	431.7
125°	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2	475.7	475.4	475.2
127.5°	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7	519.5	519.3	519.1
130°	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5	548.3	548.1	547.9
132.5°	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0	575.8	575.7	575.3
135°	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4	618.4	618.4	618.1
137.5°	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8	660.0	660.2	659.8
140°	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9	686.2	686.5	686.3
142.5°	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3	711.6	711.8	711.4
145°	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2	748.2	748.2	747.9
147.5°	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2	782.6	783.0	782.6
150°	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7	803.7	803.7	803.4
152.5°	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6	824.0	824.5	824.4
155°	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2	852.8	853.5	853.4
157.5°	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0	877.6	878.3	878.1
160°	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9	892.6	893.2	893.2
162.5°	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1	906.8	907.6	907.6
165°	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9	925.6	926.2	926.0
167.5°	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0	940.0	940.9	940.9
170°	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4	948.4	949.4	949.3
172.5°	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3	954.3	955.3	955.3
175°	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1	961.1	962.1	962.0
177.5°	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1	963.9	964.7	964.6
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333725-840

CATALOG NUMBER: S125RDIW-S1270D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1837.0	1830.1	1828.2	1830.7	1828.2	1830.1	1837.0	1837.7	1838.3	1843.3	1836.3
5°	1694.9	1687.0	1690.9	1689.3	1690.9	1687.0	1694.9	1702.7	1704.2	1711.4	1716.1
7.5°	1569.8	1560.0	1549.6	1553.0	1549.6	1560.0	1569.8	1570.0	1582.3	1591.4	1597.5
10°	1482.3	1474.4	1469.7	1473.6	1469.7	1474.4	1482.3	1492.6	1497.2	1508.2	1520.0
12.5°	1408.7	1403.9	1399.8	1398.1	1399.8	1403.9	1408.7	1419.5	1430.5	1443.4	1456.5
15°	1308.3	1298.9	1294.9	1284.8	1294.9	1298.9	1308.3	1317.8	1339.1	1344.5	1364.2
17.5°	1215.9	1212.7	1202.5	1198.1	1202.5	1212.7	1215.9	1224.0	1233.8	1254.1	1268.8
20°	1161.1	1158.0	1147.7	1154.1	1147.7	1158.0	1161.1	1173.0	1180.8	1197.3	1211.5
22.5°	1115.8	1108.8	1105.5	1103.7	1105.5	1108.8	1115.8	1121.3	1131.7	1146.9	1163.1
25°	1051.7	1041.5	1037.5	1032.8	1037.5	1041.5	1051.7	1054.8	1065.9	1080.9	1089.4
27.5°	987.7	982.3	977.0	975.8	977.0	982.3	987.7	992.2	1001.8	1014.8	1030.5
30°	946.2	940.7	936.8	936.8	936.8	940.7	946.2	955.6	962.7	974.5	986.3
32.5°	909.1	904.8	900.9	900.3	900.9	904.8	909.1	914.1	922.4	935.5	948.0
35°	855.0	848.6	847.1	842.3	847.1	848.6	855.0	858.8	867.5	877.0	887.2
37.5°	798.7	793.5	793.3	792.8	793.3	793.5	798.7	805.7	812.8	821.3	833.9
40°	762.8	758.8	758.1	752.6	758.1	758.8	762.8	766.0	773.9	784.9	794.3
42.5°	724.4	722.4	719.6	717.3	719.6	722.4	724.4	730.6	737.3	745.2	757.1
45°	672.3	666.7	666.7	662.8	666.7	666.7	672.3	677.8	681.0	690.3	706.1
47.5°	618.4	614.2	614.6	610.6	614.6	614.2	618.4	620.2	625.2	634.5	643.2
50°	582.5	580.2	579.4	577.8	579.4	580.2	582.5	581.8	588.0	596.7	608.5
52.5°	546.6	545.5	548.6	545.0	548.6	545.5	546.6	548.4	552.8	558.3	569.5
55°	498.3	495.9	500.7	495.9	500.7	495.9	498.3	496.8	498.3	503.8	510.9
57.5°	442.7	440.5	444.7	442.4	444.7	440.5	442.7	443.0	447.8	448.6	454.8
60°	406.2	401.5	403.8	404.7	403.8	401.5	406.2	407.8	409.3	410.1	416.5
62.5°	362.7	359.9	361.6	358.0	361.6	359.9	362.7	366.2	369.7	373.7	377.4
65°	301.5	299.1	296.0	294.4	296.0	299.1	301.5	303.1	311.7	316.5	325.1
67.5°	253.3	247.6	247.5	248.7	247.5	247.6	253.3	253.0	259.3	263.1	268.9
70°	218.0	218.0	217.2	217.2	217.2	218.0	218.0	222.8	225.9	229.0	233.0
72.5°	193.5	192.9	191.5	190.9	191.5	192.9	193.5	195.1	196.9	200.2	204.0
75°	155.8	156.6	155.1	154.3	155.1	156.6	155.8	155.8	159.1	159.8	161.4
77.5°	115.1	111.8	113.5	111.8	113.5	111.8	115.1	118.3	119.4	122.8	123.0
80°	87.4	86.5	89.0	86.5	89.0	86.5	87.4	87.4	89.8	91.3	95.2
82.5°	69.1	68.4	69.5	67.7	69.5	68.4	69.1	68.5	69.6	71.8	71.3
85°	41.7	40.9	40.2	40.9	40.2	40.9	41.7	40.9	40.2	40.9	41.7
87.5°	17.8	17.3	17.4	17.5	17.4	17.3	17.8	17.1	17.6	17.4	17.2
90°	16.5	17.0	17.5	18.0	17.5	17.0	16.5	16.0	15.3	14.5	13.6
92.5°	34.3	34.6	35.0	35.3	35.0	34.6	34.3	33.9	33.2	32.1	31.0
95°	63.5	63.8	64.1	64.4	64.1	63.8	63.5	63.1	62.4	61.2	60.1
97.5°	97.1	97.4	97.6	97.8	97.6	97.4	97.1	96.9	96.3	95.2	94.1
100°	122.0	122.3	122.6	122.9	122.6	122.3	122.0	121.6	120.7	119.2	117.6
102.5°	146.7	147.2	147.6	148.1	147.6	147.2	146.7	146.2	145.2	143.6	142.0
105°	184.4	184.9	185.4	185.9	185.4	184.9	184.4	183.9	183.2	182.2	181.2
107.5°	224.7	224.7	224.6	224.6	224.6	224.7	224.7	224.7	224.5	224.0	223.5
110°	253.9	253.7	253.6	253.4	253.6	253.7	253.9	254.1	253.9	253.4	252.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	282.5	282.2	281.9	281.6	281.9	282.2	282.5	282.8	282.8	282.6	282.4
115°	326.6	326.5	326.3	326.1	326.3	326.5	326.6	326.8	326.9	327.1	327.3
117.5°	371.6	370.9	370.2	369.6	370.2	370.9	371.6	372.2	372.5	372.3	372.2
120°	401.6	400.9	400.2	399.6	400.2	400.9	401.6	402.2	402.5	402.5	402.5
122.5°	431.1	430.6	430.1	429.6	430.1	430.6	431.1	431.7	432.0	432.1	432.3
125°	475.0	474.8	474.7	474.5	474.7	474.8	475.0	475.2	475.4	475.7	476.2
127.5°	518.8	518.4	518.1	517.8	518.1	518.4	518.8	519.1	519.3	519.5	519.7
130°	547.5	547.1	546.8	546.5	546.8	547.1	547.5	547.9	548.1	548.3	548.5
132.5°	574.9	574.4	574.0	573.5	574.0	574.4	574.9	575.3	575.7	575.8	576.0
135°	617.4	616.8	616.1	615.5	616.1	616.8	617.4	618.1	618.4	618.4	618.4
137.5°	659.0	658.2	657.4	656.5	657.4	658.2	659.0	659.8	660.2	660.0	659.8
140°	685.5	684.6	683.8	683.0	683.8	684.6	685.5	686.3	686.5	686.2	685.9
142.5°	710.6	709.8	708.9	708.1	708.9	709.8	710.6	711.4	711.8	711.6	711.3
145°	747.4	746.9	746.4	745.9	746.4	746.9	747.4	747.9	748.2	748.2	748.2
147.5°	781.5	780.4	779.3	778.2	779.3	780.4	781.5	782.6	783.0	782.6	782.2
150°	803.1	802.8	802.4	802.1	802.4	802.8	803.1	803.4	803.7	803.7	803.7
152.5°	823.7	823.1	822.5	821.9	822.5	823.1	823.7	824.4	824.5	824.0	823.6
155°	852.6	851.8	850.9	850.1	850.9	851.8	852.6	853.4	853.5	852.8	852.2
157.5°	877.0	875.9	874.7	873.6	874.7	875.9	877.0	878.1	878.3	877.6	877.0
160°	892.3	891.5	890.7	889.9	890.7	891.5	892.3	893.2	893.2	892.6	891.9
162.5°	906.6	905.5	904.6	903.6	904.6	905.5	906.6	907.6	907.6	906.8	906.1
165°	925.1	924.1	923.1	922.1	923.1	924.1	925.1	926.0	926.2	925.6	924.9
167.5°	939.9	938.9	937.9	936.8	937.9	938.9	939.9	940.9	940.9	940.0	939.0
170°	948.1	947.0	945.7	944.6	945.7	947.0	948.1	949.3	949.4	948.4	947.4
172.5°	954.3	953.2	952.2	951.2	952.2	953.2	954.3	955.3	955.3	954.3	953.3
175°	960.8	959.7	958.5	957.4	958.5	959.7	960.8	962.0	962.1	961.1	960.1
177.5°	963.7	962.8	961.9	960.9	961.9	962.8	963.7	964.6	964.7	963.9	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333725-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1838.3	1845.2	1849.0	1857.7	1870.4	1876.7	1885.5	1891.8	1900.7	1911.4	1920.2
5°	1719.3	1738.2	1750.7	1770.4	1788.6	1806.6	1829.5	1846.0	1868.0	1893.2	1912.9
7.5°	1608.7	1632.3	1653.3	1679.3	1709.2	1732.5	1762.2	1792.6	1827.0	1862.8	1896.5
10°	1538.2	1561.9	1587.8	1620.0	1650.0	1681.4	1716.9	1752.3	1795.6	1835.7	1881.4
12.5°	1468.2	1494.4	1523.6	1559.6	1595.8	1636.1	1672.1	1712.0	1758.5	1810.6	1859.4
15°	1381.5	1406.7	1438.2	1468.9	1510.7	1554.7	1602.8	1655.5	1707.5	1765.6	1826.3
17.5°	1288.5	1316.2	1350.8	1386.4	1430.4	1482.0	1529.0	1586.8	1645.3	1713.1	1784.4
20°	1228.0	1256.4	1297.3	1336.7	1376.8	1427.2	1483.1	1542.2	1604.3	1676.0	1755.4
22.5°	1180.1	1200.3	1240.6	1280.6	1327.7	1379.4	1434.0	1495.5	1563.4	1637.5	1720.8
25°	1109.1	1132.8	1162.0	1203.7	1252.4	1306.8	1361.9	1427.2	1501.2	1576.8	1665.7
27.5°	1046.0	1065.4	1094.2	1126.9	1175.6	1231.9	1290.5	1358.7	1434.6	1511.6	1605.1
30°	1001.3	1022.6	1050.2	1084.8	1123.4	1184.8	1244.6	1311.5	1388.7	1468.1	1564.2
32.5°	962.3	984.1	1007.9	1040.7	1082.4	1136.9	1198.6	1264.3	1342.6	1424.7	1518.2
35°	907.7	922.6	944.6	976.9	1017.8	1062.0	1124.9	1194.2	1270.5	1355.5	1449.3
37.5°	845.0	864.3	886.3	914.2	950.2	997.8	1056.4	1126.5	1197.3	1278.7	1364.2
40°	808.5	826.6	851.0	871.4	909.2	952.5	1006.0	1079.2	1150.1	1226.5	1304.4
42.5°	771.3	788.8	809.4	835.0	868.9	911.0	960.7	1028.9	1104.8	1176.7	1242.0
45°	713.2	731.3	751.0	774.6	806.1	847.1	896.7	958.8	1024.9	1091.1	1140.6
47.5°	657.6	674.6	693.2	717.4	746.4	786.0	830.3	885.2	949.5	1005.7	1041.2
50°	617.9	633.7	654.2	677.8	706.1	743.2	785.7	839.9	893.4	944.6	976.9
52.5°	579.0	596.5	617.0	637.4	664.6	701.6	740.9	787.7	838.7	880.4	907.1
55°	520.4	536.8	555.7	577.0	603.8	635.3	677.0	714.0	754.2	789.6	805.3
57.5°	463.8	478.3	496.0	518.2	542.2	571.5	604.6	640.2	668.5	693.6	711.3
60°	426.7	439.3	455.8	474.6	500.7	527.5	557.3	590.4	612.5	633.7	650.3
62.5°	388.9	400.8	416.8	433.7	456.6	481.4	510.1	536.8	558.3	572.6	591.7
65°	332.2	344.0	357.4	375.5	393.6	414.0	440.0	459.7	474.6	490.4	502.2
67.5°	279.4	289.2	301.9	316.2	331.4	351.1	371.2	387.6	397.9	407.3	421.5
70°	244.8	252.7	263.0	274.0	290.4	310.1	325.9	338.5	345.6	355.1	372.3
72.5°	209.5	218.6	228.3	239.3	252.7	269.2	283.1	295.7	300.2	307.8	318.8
75°	165.3	170.1	177.9	185.8	195.2	209.4	222.8	225.9	229.8	236.2	244.0
77.5°	125.0	129.3	132.4	137.6	145.1	156.5	163.6	168.3	169.3	171.6	179.4
80°	99.2	101.6	104.7	108.7	111.8	121.2	125.1	129.9	131.5	133.8	137.7
82.5°	72.7	75.1	77.0	80.3	85.3	89.1	93.0	97.8	98.1	99.8	100.6
85°	42.5	43.3	41.7	43.3	44.1	45.6	49.6	53.5	52.7	51.9	54.3
87.5°	17.7	17.5	16.7	18.3	16.8	17.2	17.0	17.4	18.3	19.3	20.3
90°	12.8	12.0	10.8	9.7	8.5	7.4	6.1	4.7	3.4	2.1	0.7
92.5°	29.9	28.8	27.4	26.0	24.5	23.0	21.9	20.9	20.0	19.1	18.2
95°	58.9	57.8	56.0	54.4	52.7	51.1	50.1	49.7	49.4	49.1	48.8
97.5°	93.0	91.9	89.6	87.4	85.0	82.7	81.5	81.4	81.2	81.1	81.0
100°	116.2	114.7	112.5	110.4	108.2	106.0	104.9	104.9	104.9	104.9	104.9
102.5°	140.4	138.7	137.5	136.5	135.4	134.3	133.4	132.7	132.1	131.4	130.8
105°	180.2	179.2	178.1	177.1	176.2	175.2	174.3	173.4	172.6	171.8	171.0
107.5°	223.0	222.5	221.8	221.0	220.3	219.4	218.6	217.8	217.0	216.1	215.3
110°	252.4	251.9	251.4	250.9	250.3	249.8	249.2	248.4	247.5	246.7	245.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	282.2	281.9	281.2	280.6	279.9	279.3	278.8	278.4	277.9	277.5	277.1
115°	327.4	327.6	327.3	326.9	326.6	326.3	325.8	325.1	324.5	323.8	323.2
117.5°	372.1	372.0	371.7	371.4	371.1	370.8	370.5	370.2	369.9	369.6	369.3
120°	402.5	402.5	402.4	402.2	402.0	401.9	401.4	400.6	399.7	398.9	398.1
122.5°	432.4	432.5	432.1	431.7	431.2	430.8	430.5	430.2	429.9	429.6	429.3
125°	476.5	476.8	476.7	476.5	476.3	476.2	475.5	474.5	473.5	472.5	471.5
127.5°	519.8	520.0	519.8	519.6	519.4	519.2	518.8	518.3	517.7	517.1	516.5
130°	548.6	548.8	548.5	548.1	547.8	547.4	546.8	546.0	545.2	544.3	543.5
132.5°	576.2	576.3	576.4	576.4	576.5	576.6	575.9	574.6	573.2	571.9	570.5
135°	618.4	618.4	618.3	618.1	617.9	617.8	617.2	616.2	615.2	614.2	613.2
137.5°	659.6	659.4	659.0	658.6	658.3	657.9	657.3	656.3	655.3	654.4	653.4
140°	685.5	685.2	684.7	684.2	683.7	683.2	682.6	681.7	680.9	680.0	679.2
142.5°	711.1	710.9	710.3	709.7	709.1	708.4	707.8	707.1	706.4	705.7	705.0
145°	748.2	748.2	747.7	747.2	746.7	746.2	745.6	744.9	744.3	743.6	743.0
147.5°	781.8	781.4	781.0	780.6	780.2	779.8	779.5	779.1	778.7	778.4	778.0
150°	803.7	803.7	802.9	802.3	801.6	801.0	800.7	800.9	801.0	801.2	801.4
152.5°	823.2	822.8	822.5	822.3	822.0	821.7	821.5	821.3	821.0	820.8	820.6
155°	851.5	850.9	850.7	850.5	850.4	850.2	850.1	850.1	850.1	850.1	850.1
157.5°	876.3	875.7	875.5	875.3	875.1	874.9	875.0	875.5	875.8	876.2	876.6
160°	891.3	890.6	890.4	890.3	890.1	889.9	890.1	890.6	891.1	891.6	892.1
162.5°	905.2	904.4	904.3	904.3	904.3	904.2	904.4	904.8	905.1	905.5	905.9
165°	924.2	923.6	923.4	923.2	923.1	922.9	923.0	923.3	923.7	924.0	924.3
167.5°	938.0	937.0	937.0	937.0	937.0	937.0	937.3	938.0	938.6	939.3	940.0
170°	946.3	945.3	945.3	945.3	945.3	945.3	945.6	946.3	947.0	947.7	948.4
172.5°	952.3	951.3	951.3	951.3	951.3	951.3	951.7	952.3	953.0	953.6	954.3
175°	959.1	958.1	958.1	958.1	958.1	958.1	958.4	959.1	959.8	960.4	961.1
177.5°	962.3	961.5	961.7	961.8	961.9	962.1	962.4	962.9	963.4	964.0	964.5
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



TEST NUMBER: P333725-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1927.0	1932.8	1941.0	1950.4	1957.9	1966.1	1970.5	1970.5	1974.3	1982.5	1993.2
5°	1932.6	1953.1	1972.8	1997.9	2017.6	2040.4	2057.7	2074.3	2089.2	2108.1	2127.8
7.5°	1931.0	1965.0	2000.4	2040.1	2083.9	2118.7	2154.4	2182.4	2210.2	2246.3	2274.8
10°	1924.7	1968.8	2016.8	2067.2	2122.3	2170.3	2213.6	2253.0	2290.8	2330.2	2365.5
12.5°	1913.4	1969.4	2028.1	2088.6	2158.2	2213.1	2269.1	2310.9	2355.0	2398.1	2441.8
15°	1896.3	1962.5	2033.4	2117.6	2202.6	2264.0	2319.1	2373.4	2414.4	2463.2	2504.9
17.5°	1861.3	1946.4	2035.6	2127.7	2209.4	2280.7	2338.4	2390.1	2433.7	2487.4	2544.1
20°	1840.5	1932.6	2025.5	2123.8	2201.8	2275.0	2330.9	2384.4	2438.7	2508.8	2578.1
22.5°	1811.5	1910.0	2008.4	2101.8	2184.1	2254.8	2312.7	2378.1	2449.4	2529.0	2612.7
25°	1765.6	1867.2	1964.9	2053.8	2134.1	2206.6	2285.2	2373.4	2460.0	2564.8	2685.1
27.5°	1707.6	1805.5	1892.6	1986.6	2066.4	2158.5	2256.7	2352.3	2477.2	2621.2	2771.6
30°	1664.2	1757.1	1839.7	1928.6	2019.1	2120.7	2230.9	2343.5	2492.2	2661.5	2840.2
32.5°	1613.8	1697.9	1779.9	1865.6	1970.0	2081.6	2198.8	2336.5	2514.4	2706.8	2891.8
35°	1526.4	1601.9	1681.4	1776.8	1887.7	2008.9	2158.5	2326.2	2541.1	2748.1	2914.3
37.5°	1434.7	1494.4	1574.3	1674.7	1795.6	1935.9	2105.6	2309.4	2530.1	2715.8	2786.5
40°	1364.2	1420.1	1504.3	1609.8	1729.5	1883.0	2073.5	2282.9	2504.9	2633.9	2628.5
42.5°	1294.3	1350.8	1431.9	1538.0	1662.7	1834.5	2030.6	2248.3	2435.6	2484.8	2382.3
45°	1187.1	1239.8	1319.4	1426.4	1560.2	1740.5	1946.7	2155.4	2275.0	2195.5	1992.4
47.5°	1077.8	1129.0	1202.9	1307.7	1453.8	1642.4	1837.4	2008.6	2025.5	1854.6	1611.0
50°	1006.0	1054.1	1124.1	1235.9	1377.6	1561.9	1750.0	1884.6	1842.8	1634.3	1383.1
52.5°	936.1	982.3	1047.9	1153.4	1298.3	1478.6	1646.7	1752.3	1655.8	1434.0	1208.0
55°	832.8	877.0	943.1	1039.9	1171.3	1336.7	1483.9	1522.5	1380.8	1157.2	974.5
57.5°	734.8	767.1	832.4	918.1	1044.8	1190.5	1296.1	1289.1	1132.8	931.4	800.4
60°	669.9	699.0	761.2	839.9	960.4	1091.1	1165.1	1133.6	975.3	809.2	683.3
62.5°	609.5	636.7	688.8	761.2	864.6	978.4	1032.2	988.8	839.3	693.4	593.2
65°	518.0	537.7	579.4	646.3	727.4	806.1	854.1	790.3	658.1	547.9	472.3
67.5°	432.5	449.5	486.7	534.6	590.6	644.9	664.4	604.6	501.8	427.5	374.3
70°	377.1	392.8	418.0	462.9	499.9	538.5	547.9	494.3	408.6	351.8	318.8
72.5°	324.2	338.6	360.7	392.3	418.0	440.2	444.6	394.9	329.2	290.1	264.7
75°	247.2	259.7	274.0	285.8	302.3	306.2	304.7	266.1	230.7	204.7	190.5
77.5°	181.7	186.9	195.5	200.3	201.1	200.8	192.7	168.3	150.1	139.4	133.5
80°	140.2	144.1	146.4	147.9	148.8	140.9	132.3	117.2	111.0	104.7	97.7
82.5°	101.7	104.4	106.7	107.0	102.8	96.2	88.2	80.8	76.3	73.2	70.5
85°	55.1	55.8	55.1	51.2	45.6	43.3	41.7	40.2	39.4	38.6	38.6
87.5°	19.9	18.3	15.5	16.4	16.6	16.2	16.5	16.1	15.7	15.8	16.0
90°	2.1	3.4	4.7	6.1	7.4	8.5	9.7	10.8	12.0	12.8	13.6
92.5°	19.1	20.0	20.9	21.9	23.0	24.5	26.0	27.4	28.8	29.9	31.0
95°	49.1	49.4	49.7	50.1	51.1	52.7	54.4	56.0	57.8	58.9	60.1
97.5°	81.1	81.2	81.4	81.5	82.7	85.0	87.4	89.6	91.9	93.0	94.1
100°	104.9	104.9	104.9	104.9	106.0	108.2	110.4	112.5	114.7	116.2	117.6
102.5°	131.4	132.1	132.7	133.4	134.3	135.4	136.5	137.5	138.7	140.4	142.0
105°	171.8	172.6	173.4	174.3	175.2	176.2	177.1	178.1	179.2	180.2	181.2
107.5°	216.1	217.0	217.8	218.6	219.4	220.3	221.0	221.8	222.5	223.0	223.5
110°	246.7	247.5	248.4	249.2	249.8	250.3	250.9	251.4	251.9	252.4	252.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	277.5	277.9	278.4	278.8	279.3	279.9	280.6	281.2	281.9	282.2	282.4
115°	323.8	324.5	325.1	325.8	326.3	326.6	326.9	327.3	327.6	327.4	327.3
117.5°	369.6	369.9	370.2	370.5	370.8	371.1	371.4	371.7	372.0	372.1	372.2
120°	398.9	399.7	400.6	401.4	401.9	402.0	402.2	402.4	402.5	402.5	402.5
122.5°	429.6	429.9	430.2	430.5	430.8	431.2	431.7	432.1	432.5	432.4	432.3
125°	472.5	473.5	474.5	475.5	476.2	476.3	476.5	476.7	476.8	476.5	476.2
127.5°	517.1	517.7	518.3	518.8	519.2	519.4	519.6	519.8	520.0	519.8	519.7
130°	544.3	545.2	546.0	546.8	547.4	547.8	548.1	548.5	548.8	548.6	548.5
132.5°	571.9	573.2	574.6	575.9	576.6	576.5	576.4	576.4	576.3	576.2	576.0
135°	614.2	615.2	616.2	617.2	617.8	617.9	618.1	618.3	618.4	618.4	618.4
137.5°	654.4	655.3	656.3	657.3	657.9	658.3	658.6	659.0	659.4	659.6	659.8
140°	680.0	680.9	681.7	682.6	683.2	683.7	684.2	684.7	685.2	685.5	685.9
142.5°	705.7	706.4	707.1	707.8	708.4	709.1	709.7	710.3	710.9	711.1	711.3
145°	743.6	744.3	744.9	745.6	746.2	746.7	747.2	747.7	748.2	748.2	748.2
147.5°	778.4	778.7	779.1	779.5	779.8	780.2	780.6	781.0	781.4	781.8	782.2
150°	801.2	801.0	800.9	800.7	801.0	801.6	802.3	802.9	803.7	803.7	803.7
152.5°	820.8	821.0	821.3	821.5	821.7	822.0	822.3	822.5	822.8	823.2	823.6
155°	850.1	850.1	850.1	850.1	850.2	850.4	850.5	850.7	850.9	851.5	852.2
157.5°	876.2	875.8	875.5	875.0	874.9	875.1	875.3	875.5	875.7	876.3	877.0
160°	891.6	891.1	890.6	890.1	889.9	890.1	890.3	890.4	890.6	891.3	891.9
162.5°	905.5	905.1	904.8	904.4	904.2	904.3	904.3	904.3	904.4	905.2	906.1
165°	924.0	923.7	923.3	923.0	922.9	923.1	923.2	923.4	923.6	924.2	924.9
167.5°	939.3	938.6	938.0	937.3	937.0	937.0	937.0	937.0	937.0	938.0	939.0
170°	947.7	947.0	946.3	945.6	945.3	945.3	945.3	945.3	945.3	946.3	947.4
172.5°	953.6	953.0	952.3	951.7	951.3	951.3	951.3	951.3	951.3	952.3	953.3
175°	960.4	959.8	959.1	958.4	958.1	958.1	958.1	958.1	958.1	959.1	960.1
177.5°	964.0	963.4	962.9	962.4	962.1	961.9	961.8	961.7	961.5	962.3	963.1
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2001.4	2001.4	2012.1	2011.4	2018.4	2015.9	2017.1
5°	2151.4	2164.8	2176.7	2184.4	2196.3	2199.5	2197.9
7.5°	2306.9	2336.7	2351.2	2371.1	2374.7	2385.1	2384.0
10°	2403.4	2432.5	2454.5	2471.8	2480.4	2491.5	2492.2
12.5°	2478.9	2503.7	2523.1	2539.2	2549.7	2553.2	2555.3
15°	2537.9	2565.5	2588.3	2611.1	2624.5	2634.7	2640.3
17.5°	2597.5	2640.0	2680.3	2711.3	2729.9	2745.6	2745.4
20°	2643.4	2692.2	2742.6	2778.0	2814.3	2829.9	2832.4
22.5°	2692.5	2767.1	2832.1	2887.0	2934.6	2950.9	2957.1
25°	2794.6	2892.2	2992.1	3069.3	3124.4	3156.6	3161.4
27.5°	2917.8	3049.9	3155.1	3226.3	3272.1	3296.0	3301.2
30°	3004.8	3126.7	3221.3	3274.8	3296.0	3299.1	3287.3
32.5°	3043.8	3134.9	3172.7	3169.6	3127.9	3100.2	3089.6
35°	2996.1	2977.2	2885.1	2774.9	2690.7	2637.2	2622.9
37.5°	2726.5	2563.6	2394.2	2227.7	2139.0	2094.0	2016.5
40°	2460.8	2228.6	2052.2	1912.1	1812.1	1731.8	1712.9
42.5°	2161.0	1921.3	1744.9	1625.0	1545.1	1490.1	1466.1
45°	1736.6	1530.3	1384.7	1292.6	1231.2	1191.0	1173.0
47.5°	1389.0	1229.3	1123.2	1055.0	1008.2	973.3	963.5
50°	1198.1	1070.6	980.9	923.4	888.0	861.2	850.2
52.5°	1040.7	937.8	868.8	821.3	787.8	771.1	762.0
55°	858.8	769.9	720.3	682.5	663.6	650.3	643.9
57.5°	702.4	638.1	601.9	575.7	558.3	549.8	546.6
60°	614.8	564.4	531.4	510.9	499.1	488.1	484.9
62.5°	537.3	497.7	472.2	454.2	442.4	437.7	435.8
65°	432.9	407.0	388.1	377.1	367.6	366.1	365.3
67.5°	344.2	328.9	319.0	307.5	304.2	298.6	297.6
70°	294.4	284.2	272.4	268.4	264.5	259.0	259.7
72.5°	249.7	239.4	231.5	226.2	224.8	222.5	224.5
75°	182.6	179.5	176.3	172.4	170.9	170.9	170.1
77.5°	130.4	127.6	124.2	121.9	121.4	118.1	119.4
80°	94.4	90.5	89.0	89.8	87.4	86.5	86.5
82.5°	69.9	68.5	67.0	67.1	66.6	65.8	66.4
85°	38.6	37.8	37.8	37.0	37.0	36.3	36.3
87.5°	16.8	17.6	16.5	15.9	16.0	16.8	17.5
90°	14.5	15.3	16.0	16.5	17.0	17.5	18.0
92.5°	32.1	33.2	33.9	34.3	34.6	35.0	35.3
95°	61.2	62.4	63.1	63.5	63.8	64.1	64.4
97.5°	95.2	96.3	96.9	97.1	97.4	97.6	97.8
100°	119.2	120.7	121.6	122.0	122.3	122.6	122.9
102.5°	143.6	145.2	146.2	146.7	147.2	147.6	148.1
105°	182.2	183.2	183.9	184.4	184.9	185.4	185.9
107.5°	224.0	224.5	224.7	224.7	224.7	224.6	224.6
110°	253.4	253.9	254.1	253.9	253.7	253.6	253.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.6	282.8	282.8	282.5	282.2	281.9	281.6
115°	327.1	326.9	326.8	326.6	326.5	326.3	326.1
117.5°	372.3	372.5	372.2	371.6	370.9	370.2	369.6
120°	402.5	402.5	402.2	401.6	400.9	400.2	399.6
122.5°	432.1	432.0	431.7	431.1	430.6	430.1	429.6
125°	475.7	475.4	475.2	475.0	474.8	474.7	474.5
127.5°	519.5	519.3	519.1	518.8	518.4	518.1	517.8
130°	548.3	548.1	547.9	547.5	547.1	546.8	546.5
132.5°	575.8	575.7	575.3	574.9	574.4	574.0	573.5
135°	618.4	618.4	618.1	617.4	616.8	616.1	615.5
137.5°	660.0	660.2	659.8	659.0	658.2	657.4	656.5
140°	686.2	686.5	686.3	685.5	684.6	683.8	683.0
142.5°	711.6	711.8	711.4	710.6	709.8	708.9	708.1
145°	748.2	748.2	747.9	747.4	746.9	746.4	745.9
147.5°	782.6	783.0	782.6	781.5	780.4	779.3	778.2
150°	803.7	803.7	803.4	803.1	802.8	802.4	802.1
152.5°	824.0	824.5	824.4	823.7	823.1	822.5	821.9
155°	852.8	853.5	853.4	852.6	851.8	850.9	850.1
157.5°	877.6	878.3	878.1	877.0	875.9	874.7	873.6
160°	892.6	893.2	893.2	892.3	891.5	890.7	889.9
162.5°	906.8	907.6	907.6	906.6	905.5	904.6	903.6
165°	925.6	926.2	926.0	925.1	924.1	923.1	922.1
167.5°	940.0	940.9	940.9	939.9	938.9	937.9	936.8
170°	948.4	949.4	949.3	948.1	947.0	945.7	944.6
172.5°	954.3	955.3	955.3	954.3	953.2	952.2	951.2
175°	961.1	962.1	962.0	960.8	959.7	958.5	957.4
177.5°	963.9	964.7	964.6	963.7	962.8	961.9	960.9
180°	963.3	963.3	963.3	963.3	963.3	963.3	963.3

(END OF REPORT)