

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: P333359-840

Luminaire Tested: **S125DIW-S375D1340U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333359-840
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: S125DIW-S375D1340U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6252.1 lumens
Efficiency: N/A
Efficacy: 134.2 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

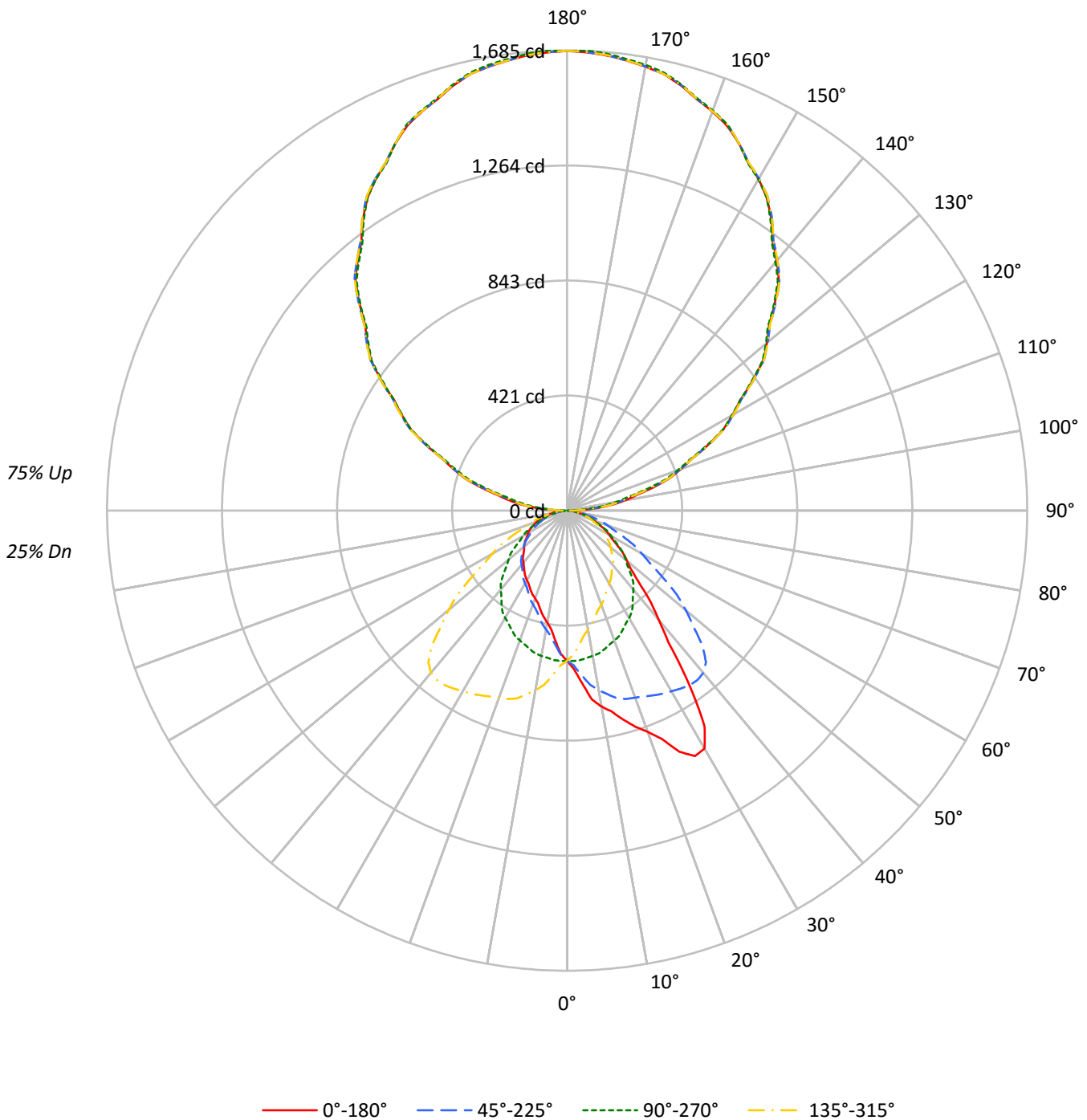
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25				
1	92	88	84	81	82	79	76	73	61	59	57	44	43	42	29	29	28	21				
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	20	15				
4	70	60	52	47	62	54	47	42	42	37	34	31	28	26	21	19	18	13				
5	64	53	45	40	57	48	41	36	37	33	29	28	24	22	19	17	15	11				
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10				
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	15	13	12	9				
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8				
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7				
10	44	32	25	21	39	29	23	19	23	18	15	17	14	12	12	10	9	7				

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	0.8
10°-20°	157.6	2.5
20°-30°	255.9	4.1
30°-40°	312.1	5.0
40°-50°	283.9	4.5
50°-60°	226.2	3.6
60°-70°	157.5	2.5
70°-80°	84.0	1.3
80°-90°	24.9	0.4
90°-100°	112.7	1.8
100°-110°	332.9	5.3
110°-120°	563.9	9.0
120°-130°	742.1	11.9
130°-140°	831.6	13.3
140°-150°	815.0	13.0
150°-160°	684.5	10.9
160°-170°	455.0	7.3
170°-180°	159.2	2.5
0°-30°	466.4	7.5
0°-40°	778.5	12.5
0°-60°	1288.6	20.6
0°-90°	1555.0	24.9
90°-120°	1009.6	16.1
90°-150°	3398.3	54.4
90°-180°	4697.0	75.1
0°-180°	6252.1	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°	31	1	31	1	31	19
95°	113	85	113	85	113	115
105°	325	299	325	299	325	344
115°	570	565	570	565	570	564
125°	829	824	829	824	829	740
135°	1076	1072	1076	1072	1076	830
145°	1303	1298	1303	1298	1303	814
155°	1486	1486	1486	1486	1486	684
165°	1611	1615	1611	1615	1611	454
175°	1673	1679	1673	1679	1673	159
180°	1683	1683	1683	1683	1683	



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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°	10.8	11.0	11.0	10.8	10.8	10.6	11.0	10.7	11.0	11.3	11.6
90°	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8	22.4	21.0	18.9
92.5°	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1	52.2	50.3	47.8
95°	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9	102.9	100.9	98.0
97.5°	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4	162.5	160.6	156.6
100°	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7	203.1	200.5	196.6
102.5°	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0	245.2	242.4	240.4
105°	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6	314.9	313.1	311.3
107.5°	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5	389.7	388.8	387.5
110°	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9	441.0	440.1	439.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3	492.9	492.5	491.4
115°	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9	572.2	572.5	571.9
117.5°	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5	650.3	650.1	649.4
120°	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5	703.5	703.5	703.2
122.5°	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4	755.6	755.9	755.1
125°	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9	832.5	833.1	832.8
127.5°	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0	908.3	908.6	908.3
130°	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3	958.6	958.9	958.3
132.5°	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5	1006.8	1007.1	1007.2
135°	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8	1080.8	1080.8	1080.5
137.5°	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0	1152.6	1152.3	1151.7
140°	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5	1197.9	1197.3	1196.4
142.5°	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0	1242.7	1242.3	1241.2
145°	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4	1307.4	1307.4	1306.5
147.5°	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9	1366.2	1365.5	1364.8
150°	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3	1404.3	1404.3	1403.1
152.5°	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2	1438.6	1437.8	1437.3
155°	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1	1487.9	1486.8	1486.5
157.5°	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4	1531.2	1530.0	1529.7
160°	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5	1557.4	1556.2	1555.9
162.5°	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2	1581.8	1580.3	1580.2
165°	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2	1615.1	1613.9	1613.6
167.5°	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7	1638.9	1637.2	1637.2
170°	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4	1653.7	1651.8	1651.8
172.5°	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9	1664.1	1662.3	1662.3
175°	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6	1675.9	1674.2	1674.2
177.5°	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9	1681.5	1680.1	1680.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



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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°	11.6	10.8	9.7	8.7	7.3	6.3	5.6	5.4	5.3	5.5	6.2
90°	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3	3.6	6.0	8.3
92.5°	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7	33.3	34.9	36.6
95°	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1	85.7	86.3	86.8
97.5°	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5	141.7	142.0	142.2
100°	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4
102.5°	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4	229.6	230.8	232.0
105°	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7	300.1	301.5	303.1
107.5°	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2	377.7	379.1	380.6
110°	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7	431.1	432.6	434.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1	484.9	485.6	486.5
115°	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6	565.7	566.9	568.0
117.5°	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3	645.8	646.3	646.8
120°	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6	697.0	698.5	699.9
122.5°	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6
125°	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9	825.7	827.5	829.2
127.5°	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5	903.5	904.5	905.5
130°	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7	951.2	952.6	954.1
132.5°	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8	999.3	1001.7	1004.0
135°	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6	1073.3	1075.0	1076.8
137.5°	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8	1143.5	1145.2	1146.8
140°	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8	1188.3	1189.7	1191.2
142.5°	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9	1233.1	1234.4	1235.6
145°	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2	1299.3	1300.5	1301.6
147.5°	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5	1360.1	1360.8	1361.4
150°	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4	1400.1	1399.8	1399.5
152.5°	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9	1434.3	1434.7	1435.1
155°	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6	1531.0	1530.3	1529.6
160°	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8	1558.0	1557.1	1556.2
162.5°	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0	1582.4	1581.7	1581.0
165°	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2	1614.6	1614.0	1613.5
167.5°	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4	1641.2	1640.1	1638.9
170°	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1	1656.0	1654.8	1653.7
172.5°	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6	1666.4	1665.3	1664.1
175°	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4	1678.2	1677.1	1675.9
177.5°	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4	1684.5	1683.5	1682.6
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



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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°	6.8	7.6	7.8	8.4	8.8	9.6	9.7	10.7	11.4	12.1	12.1
90°	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8	25.3	26.8	28.0
92.5°	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1	56.0	58.0	59.3
95°	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9	106.9	109.1	110.3
97.5°	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4	166.3	168.2	169.5
100°	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7	208.2	210.9	212.5
102.5°	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0	250.9	253.8	255.6
105°	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6	318.3	320.0	321.3
107.5°	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5	391.4	392.3	392.7
110°	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9	442.7	443.6	443.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3	493.7	494.1	494.1
115°	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9	571.6	571.3	571.0
117.5°	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5	650.7	651.0	650.5
120°	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5	703.5	703.5	702.9
122.5°	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4	755.2	754.9	754.4
125°	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9	831.4	830.8	830.4
127.5°	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0	907.7	907.5	907.0
130°	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3	958.1	957.8	957.3
132.5°	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5	1006.2	1005.9	1005.4
135°	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8	1080.8	1080.8	1080.2
137.5°	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0	1153.3	1153.7	1153.1
140°	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5	1199.0	1199.6	1199.2
142.5°	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0	1243.4	1243.7	1243.2
145°	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4	1307.4	1307.4	1306.9
147.5°	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9	1367.6	1368.3	1367.7
150°	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3	1404.3	1404.3	1404.0
152.5°	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2	1439.9	1440.6	1440.5
155°	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1	1490.3	1491.5	1491.3
157.5°	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4	1533.5	1534.7	1534.3
160°	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5	1559.7	1560.8	1560.7
162.5°	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2	1584.5	1585.9	1585.8
165°	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2	1617.4	1618.5	1618.2
167.5°	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7	1642.4	1644.2	1644.2
170°	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4	1657.1	1658.8	1658.7
172.5°	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9	1667.6	1669.3	1669.3
175°	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6	1679.4	1681.1	1680.9
177.5°	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9	1684.4	1685.8	1685.7
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333359-840

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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°	12.6	12.6	12.8	13.4	12.8	12.6	12.6	12.1	12.1	11.4	10.7
90°	28.8	29.7	30.6	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8
92.5°	59.9	60.6	61.2	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1
95°	110.9	111.5	112.1	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9
97.5°	169.8	170.2	170.5	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4
100°	213.1	213.7	214.3	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7
102.5°	256.4	257.2	258.0	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0
105°	322.2	323.2	324.0	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6
107.5°	392.6	392.5	392.5	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5
110°	443.6	443.3	443.0	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	493.6	493.1	492.5	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3
115°	570.7	570.4	570.2	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9
117.5°	649.3	648.1	647.0	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5
120°	701.7	700.5	699.3	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5
122.5°	753.4	752.5	751.5	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4
125°	830.1	829.8	829.5	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9
127.5°	906.5	905.8	905.2	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0
130°	956.7	956.1	955.5	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3
132.5°	1004.6	1003.7	1002.9	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5
135°	1078.9	1077.8	1076.6	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8
137.5°	1151.7	1150.1	1148.7	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0
140°	1197.7	1196.3	1194.9	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5
142.5°	1241.7	1240.3	1238.8	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0
145°	1306.1	1305.1	1304.2	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4
147.5°	1365.6	1363.7	1361.7	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9
150°	1403.4	1402.8	1402.2	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3
152.5°	1439.4	1438.4	1437.2	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2
155°	1489.9	1488.4	1486.9	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1
157.5°	1532.4	1530.5	1528.5	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4
160°	1559.3	1557.8	1556.4	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5
162.5°	1584.1	1582.4	1580.7	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2
165°	1616.5	1614.8	1613.0	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2
167.5°	1642.3	1640.5	1638.7	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7
170°	1656.7	1654.7	1652.5	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4
172.5°	1667.5	1665.7	1663.9	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9
175°	1678.9	1676.9	1674.9	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6
177.5°	1683.9	1682.3	1680.7	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



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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°	9.7	9.6	8.8	8.4	7.8	7.6	6.8	6.2	5.5	5.3	5.4
90°	22.4	21.0	18.9	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3
92.5°	52.2	50.3	47.8	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7
95°	102.9	100.9	98.0	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1
97.5°	162.5	160.6	156.6	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5
100°	203.1	200.5	196.6	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4
102.5°	245.2	242.4	240.4	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4
105°	314.9	313.1	311.3	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7
107.5°	389.7	388.8	387.5	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2
110°	441.0	440.1	439.3	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7



TEST NUMBER: P333359-840

CATALOG NUMBER: S125DIW-S375D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	492.9	492.5	491.4	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1
115°	572.2	572.5	571.9	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6
117.5°	650.3	650.1	649.4	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3
120°	703.5	703.5	703.2	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6
122.5°	755.6	755.9	755.1	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1
125°	832.5	833.1	832.8	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9
127.5°	908.3	908.6	908.3	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5
130°	958.6	958.9	958.3	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7
132.5°	1006.8	1007.1	1007.2	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8
135°	1080.8	1080.8	1080.5	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6
137.5°	1152.6	1152.3	1151.7	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8
140°	1197.9	1197.3	1196.4	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8
142.5°	1242.7	1242.3	1241.2	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9
145°	1307.4	1307.4	1306.5	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2
147.5°	1366.2	1365.5	1364.8	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5
150°	1404.3	1404.3	1403.1	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4
152.5°	1438.6	1437.8	1437.3	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9
155°	1487.9	1486.8	1486.5	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1531.2	1530.0	1529.7	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6
160°	1557.4	1556.2	1555.9	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8
162.5°	1581.8	1580.3	1580.2	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0
165°	1615.1	1613.9	1613.6	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2
167.5°	1638.9	1637.2	1637.2	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4
170°	1653.7	1651.8	1651.8	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1
172.5°	1664.1	1662.3	1662.3	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6
175°	1675.9	1674.2	1674.2	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4
177.5°	1681.5	1680.1	1680.4	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333359-840

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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°	5.6	6.3	7.3	8.7	9.7	10.8	11.6	11.6	11.3	11.0	10.7
90°	3.6	6.0	8.3	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8
92.5°	33.3	34.9	36.6	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1
95°	85.7	86.3	86.8	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9
97.5°	141.7	142.0	142.2	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4
100°	183.4	183.4	183.4	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7
102.5°	229.6	230.8	232.0	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0
105°	300.1	301.5	303.1	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6
107.5°	377.7	379.1	380.6	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5
110°	431.1	432.6	434.0	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.9	485.6	486.5	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3
115°	565.7	566.9	568.0	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9
117.5°	645.8	646.3	646.8	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5
120°	697.0	698.5	699.9	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5
122.5°	750.6	751.1	751.6	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4
125°	825.7	827.5	829.2	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9
127.5°	903.5	904.5	905.5	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0
130°	951.2	952.6	954.1	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3
132.5°	999.3	1001.7	1004.0	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5
135°	1073.3	1075.0	1076.8	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8
137.5°	1143.5	1145.2	1146.8	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0
140°	1188.3	1189.7	1191.2	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5
142.5°	1233.1	1234.4	1235.6	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0
145°	1299.3	1300.5	1301.6	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4
147.5°	1360.1	1360.8	1361.4	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9
150°	1400.1	1399.8	1399.5	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3
152.5°	1434.3	1434.7	1435.1	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2
155°	1485.5	1485.5	1485.5	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1
157.5°	1531.0	1530.3	1529.6	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4
160°	1558.0	1557.1	1556.2	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5
162.5°	1582.4	1581.7	1581.0	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2
165°	1614.6	1614.0	1613.5	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2
167.5°	1641.2	1640.1	1638.9	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7
170°	1656.0	1654.8	1653.7	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4
172.5°	1666.4	1665.3	1664.1	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9
175°	1678.2	1677.1	1675.9	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6
177.5°	1684.5	1683.5	1682.6	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



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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°	11.0	10.6	10.8	10.8	11.0	11.0	10.8
90°	25.3	26.8	28.0	28.8	29.7	30.6	31.4
92.5°	56.0	58.0	59.3	59.9	60.6	61.2	61.8
95°	106.9	109.1	110.3	110.9	111.5	112.1	112.7
97.5°	166.3	168.2	169.5	169.8	170.2	170.5	170.9
100°	208.2	210.9	212.5	213.1	213.7	214.3	214.8
102.5°	250.9	253.8	255.6	256.4	257.2	258.0	258.8
105°	318.3	320.0	321.3	322.2	323.2	324.0	324.9
107.5°	391.4	392.3	392.7	392.6	392.5	392.5	392.4
110°	442.7	443.6	443.9	443.6	443.3	443.0	442.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	493.7	494.1	494.1	493.6	493.1	492.5	492.0
115°	571.6	571.3	571.0	570.7	570.4	570.2	569.9
117.5°	650.7	651.0	650.5	649.3	648.1	647.0	645.8
120°	703.5	703.5	702.9	701.7	700.5	699.3	698.2
122.5°	755.2	754.9	754.4	753.4	752.5	751.5	750.6
125°	831.4	830.8	830.4	830.1	829.8	829.5	829.2
127.5°	907.7	907.5	907.0	906.5	905.8	905.2	904.6
130°	958.1	957.8	957.3	956.7	956.1	955.5	954.9
132.5°	1006.2	1005.9	1005.4	1004.6	1003.7	1002.9	1002.1
135°	1080.8	1080.8	1080.2	1078.9	1077.8	1076.6	1075.5
137.5°	1153.3	1153.7	1153.1	1151.7	1150.1	1148.7	1147.3
140°	1199.0	1199.6	1199.2	1197.7	1196.3	1194.9	1193.4
142.5°	1243.4	1243.7	1243.2	1241.7	1240.3	1238.8	1237.4
145°	1307.4	1307.4	1306.9	1306.1	1305.1	1304.2	1303.4
147.5°	1367.6	1368.3	1367.7	1365.6	1363.7	1361.7	1359.8
150°	1404.3	1404.3	1404.0	1403.4	1402.8	1402.2	1401.7
152.5°	1439.9	1440.6	1440.5	1439.4	1438.4	1437.2	1436.2
155°	1490.3	1491.5	1491.3	1489.9	1488.4	1486.9	1485.5
157.5°	1533.5	1534.7	1534.3	1532.4	1530.5	1528.5	1526.6
160°	1559.7	1560.8	1560.7	1559.3	1557.8	1556.4	1554.9
162.5°	1584.5	1585.9	1585.8	1584.1	1582.4	1580.7	1579.0
165°	1617.4	1618.5	1618.2	1616.5	1614.8	1613.0	1611.2
167.5°	1642.4	1644.2	1644.2	1642.3	1640.5	1638.7	1636.9
170°	1657.1	1658.8	1658.7	1656.7	1654.7	1652.5	1650.5
172.5°	1667.6	1669.3	1669.3	1667.5	1665.7	1663.9	1662.0
175°	1679.4	1681.1	1680.9	1678.9	1676.9	1674.9	1672.8
177.5°	1684.4	1685.8	1685.7	1683.9	1682.3	1680.7	1679.1
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3

(END OF REPORT)