

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: P333365

Luminaire Tested: **S125DIW-S375D1560U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333365
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-S375D1560U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6948.2 lumens
Efficiency: N/A
Efficacy: 130.1 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

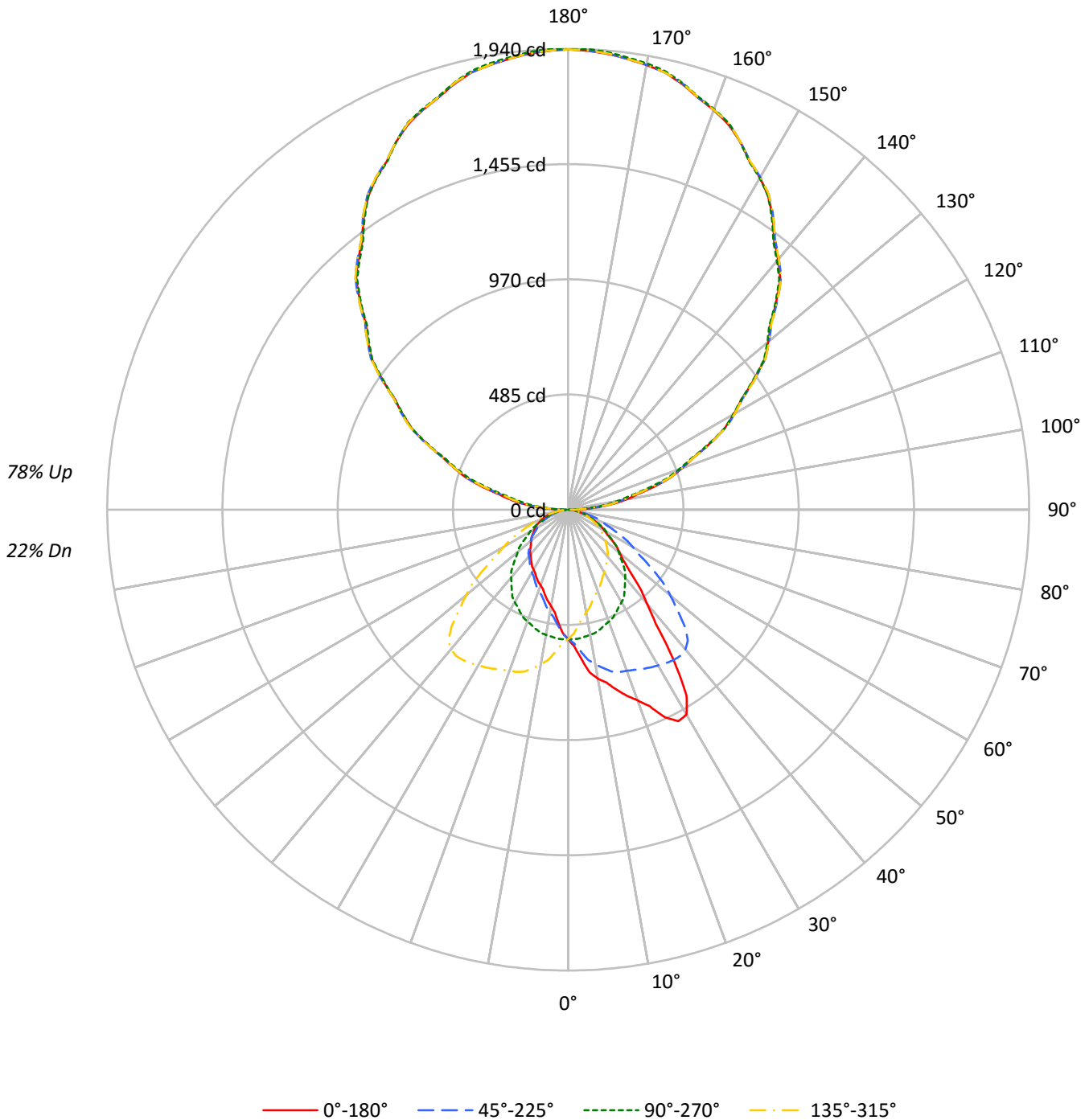
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	89	89	89	89	68	68	68	48	48	48	31	31	31	22
1	92	88	84	81	81	78	75	72	59	57	56	43	41	40	27	26	26	19
2	83	76	71	66	74	68	63	59	52	49	46	37	35	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	21	20	19	14
4	70	59	52	46	61	53	47	42	41	36	33	30	27	24	19	17	16	12
5	64	53	45	39	56	47	41	36	36	32	28	26	23	21	17	15	14	10
6	59	47	39	34	52	42	36	31	33	28	24	24	21	18	15	14	12	9
7	54	42	35	30	48	38	31	27	29	25	21	22	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	0.8
10°-20°	156.0	2.2
20°-30°	253.4	3.6
30°-40°	309.1	4.4
40°-50°	281.2	4.0
50°-60°	224.0	3.2
60°-70°	156.0	2.2
70°-80°	83.2	1.2
80°-90°	25.2	0.4
90°-100°	129.8	1.9
100°-110°	383.3	5.5
110°-120°	649.2	9.3
120°-130°	854.4	12.3
130°-140°	957.4	13.8
140°-150°	938.3	13.5
150°-160°	788.1	11.3
160°-170°	523.9	7.5
170°-180°	183.3	2.6
0°-30°	461.8	6.6
0°-40°	770.9	11.1
0°-60°	1276.0	18.4
0°-90°	1540.4	22.2
90°-120°	1162.3	16.7
90°-150°	3912.5	56.3
90°-180°	5408.0	77.8
0°-180°	6948.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	19
90°	36	2	36	2	36	21
95°	130	98	130	98	130	132
105°	374	344	374	344	374	396
115°	656	650	656	650	656	649
125°	955	949	955	949	955	852
135°	1238	1234	1238	1234	1238	955
145°	1501	1495	1501	1495	1501	937
155°	1710	1710	1710	1710	1710	787
165°	1855	1860	1855	1860	1855	523
175°	1926	1934	1926	1934	1926	183
180°	1938	1938	1938	1938	1938	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	11.7	11.8	11.8	11.6	11.6	11.3	11.7	11.4	11.6	11.9	12.1
90°	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5	25.8	24.1	21.8
92.5°	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3	60.1	57.9	55.0
95°	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8	118.5	116.1	112.8
97.5°	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3	187.1	184.9	180.3
100°	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8	233.8	230.7	226.4
102.5°	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6	282.3	279.0	276.8
105°	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5	362.5	360.5	358.4
107.5°	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6	448.6	447.6	446.1
110°	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8	507.7	506.7	505.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0	567.5	567.1	565.8
115°	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4	658.7	659.1	658.4
117.5°	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9	748.6	748.4	747.7
120°	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9	809.9	809.9	809.5
122.5°	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7	869.9	870.2	869.3
125°	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9	958.5	959.2	958.9
127.5°	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4	1045.7	1046.1	1045.7
130°	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3	1103.6	1104.0	1103.3
132.5°	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8	1159.1	1159.5	1159.6
135°	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2	1244.2	1244.2	1243.9
137.5°	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4	1327.0	1326.6	1325.8
140°	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8	1379.1	1378.5	1377.5
142.5°	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1	1430.7	1430.3	1429.1
145°	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1	1505.1	1505.1	1504.1
147.5°	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7	1572.9	1572.1	1571.3
150°	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8	1616.8	1616.8	1615.4
152.5°	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0	1656.2	1655.4	1654.8
155°	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4	1713.1	1711.8	1711.4
157.5°	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2	1762.9	1761.5	1761.2
160°	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4	1793.0	1791.7	1791.4
162.5°	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7	1821.1	1819.4	1819.4
165°	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7	1859.4	1858.1	1857.7
167.5°	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9	1886.9	1884.9	1884.9
170°	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8	1903.8	1901.8	1901.8
172.5°	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9	1915.9	1913.9	1913.9
175°	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5	1929.4	1927.4	1927.4
177.5°	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6	1936.0	1934.4	1934.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	12.0	11.2	10.0	8.9	7.5	6.4	5.6	5.3	5.3	5.6	6.3
90°	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5	4.2	6.9	9.6
92.5°	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5	38.4	40.3	42.1
95°	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0	98.7	99.4	100.0
97.5°	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9	163.1	163.4	163.7
100°	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1
102.5°	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0	264.4	265.7	267.0
105°	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9	345.5	347.2	348.9
107.5°	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1	434.8	436.5	438.2
110°	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7	496.4	498.0	499.7



TEST NUMBER: P333365

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4	558.3	559.2	560.0
115°	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0	651.4	652.7	654.0
117.5°	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9	743.5	744.1	744.7
120°	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8	802.5	804.2	805.9
122.5°	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6	864.2	864.8	865.4
125°	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6	950.6	952.7	954.7
127.5°	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1	1040.3	1041.4	1042.5
130°	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4	1095.1	1096.8	1098.4
132.5°	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7	1150.5	1153.2	1156.0
135°	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7	1235.7	1237.7	1239.7
137.5°	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5	1316.5	1318.4	1320.3
140°	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4	1368.1	1369.7	1371.4
142.5°	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3	1419.7	1421.1	1422.5
145°	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6	1495.9	1497.3	1498.6
147.5°	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2	1565.9	1566.6	1567.4
150°	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2	1611.9	1611.6	1611.2
152.5°	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8	1651.3	1651.8	1652.2
155°	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3	1762.6	1761.9	1761.1
160°	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7	1793.7	1792.7	1791.7
162.5°	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5	1821.7	1821.0	1820.3
165°	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6	1858.9	1858.2	1857.6
167.5°	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9	1889.6	1888.3	1886.9
170°	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8	1906.5	1905.1	1903.8
172.5°	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9	1918.6	1917.2	1915.9
175°	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5	1932.1	1930.8	1929.4
177.5°	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4	1939.3	1938.3	1937.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333365

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	7.1	7.9	8.2	8.9	9.3	10.2	10.3	11.4	12.1	12.8	12.9
90°	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5	29.2	30.8	32.2
92.5°	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3	64.5	66.8	68.2
95°	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8	123.2	125.5	127.0
97.5°	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3	191.5	193.7	195.1
100°	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8	239.8	242.8	244.7
102.5°	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6	288.9	292.1	294.3
105°	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5	366.5	368.5	370.0
107.5°	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6	450.6	451.6	452.1
110°	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8	509.8	510.8	511.1



TEST NUMBER: P333365

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0	568.5	568.9	568.9
115°	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4	658.1	657.7	657.4
117.5°	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9	749.2	749.4	748.9
120°	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9	809.9	809.9	809.2
122.5°	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7	869.4	869.1	868.5
125°	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9	957.2	956.5	956.0
127.5°	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4	1045.1	1044.7	1044.2
130°	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3	1103.0	1102.6	1102.1
132.5°	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8	1158.5	1158.1	1157.5
135°	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2	1244.2	1244.2	1243.6
137.5°	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4	1327.8	1328.2	1327.6
140°	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8	1380.5	1381.1	1380.6
142.5°	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1	1431.5	1432.0	1431.3
145°	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1	1505.1	1505.1	1504.6
147.5°	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7	1574.5	1575.3	1574.6
150°	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8	1616.8	1616.8	1616.4
152.5°	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0	1657.8	1658.6	1658.4
155°	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4	1715.8	1717.1	1717.0
157.5°	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2	1765.6	1766.9	1766.5
160°	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4	1795.7	1797.1	1796.9
162.5°	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7	1824.3	1825.9	1825.7
165°	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7	1862.1	1863.4	1863.1
167.5°	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9	1890.9	1892.9	1892.9
170°	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8	1907.8	1909.8	1909.7
172.5°	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9	1919.9	1921.9	1921.9
175°	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5	1933.5	1935.5	1935.3
177.5°	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6	1939.2	1940.8	1940.7
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333365

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	13.5	13.5	13.7	14.3	13.7	13.5	13.5	12.9	12.8	12.1	11.4
90°	33.2	34.2	35.2	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5
92.5°	69.0	69.7	70.4	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3
95°	127.7	128.4	129.0	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8
97.5°	195.5	195.9	196.3	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3
100°	245.3	246.0	246.7	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8
102.5°	295.2	296.1	297.1	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6
105°	371.0	372.0	373.0	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5
107.5°	452.0	452.0	451.9	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6
110°	510.8	510.4	510.1	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8



TEST NUMBER: P333365

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	568.3	567.7	567.1	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0
115°	657.1	656.7	656.4	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4
117.5°	747.5	746.2	744.9	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9
120°	807.9	806.5	805.2	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9
122.5°	867.4	866.3	865.2	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7
125°	955.7	955.3	955.0	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9
127.5°	1043.5	1042.9	1042.2	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4
130°	1101.5	1100.8	1100.1	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3
132.5°	1156.6	1155.6	1154.7	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8
135°	1242.2	1240.9	1239.5	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2
137.5°	1325.9	1324.2	1322.5	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4
140°	1379.0	1377.3	1375.6	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8
142.5°	1429.6	1428.0	1426.3	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1
145°	1503.6	1502.6	1501.6	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1
147.5°	1572.3	1570.0	1567.8	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7
150°	1615.7	1615.1	1614.4	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8
152.5°	1657.2	1656.0	1654.8	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0
155°	1715.3	1713.6	1711.9	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4
157.5°	1764.2	1762.0	1759.8	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2
160°	1795.2	1793.5	1791.9	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4
162.5°	1823.8	1821.8	1819.9	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7
165°	1861.1	1859.1	1857.1	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7
167.5°	1890.8	1888.8	1886.7	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9
170°	1907.3	1905.0	1902.6	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8
172.5°	1919.8	1917.7	1915.6	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9
175°	1933.0	1930.6	1928.3	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5
177.5°	1938.8	1936.9	1935.0	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333365

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	10.3	10.2	9.3	8.9	8.2	7.9	7.1	6.3	5.6	5.3	5.3
90°	25.8	24.1	21.8	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5
92.5°	60.1	57.9	55.0	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5
95°	118.5	116.1	112.8	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0
97.5°	187.1	184.9	180.3	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9
100°	233.8	230.7	226.4	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1
102.5°	282.3	279.0	276.8	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0
105°	362.5	360.5	358.4	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9
107.5°	448.6	447.6	446.1	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1
110°	507.7	506.7	505.7	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7



TEST NUMBER: P333365

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	567.5	567.1	565.8	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4
115°	658.7	659.1	658.4	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0
117.5°	748.6	748.4	747.7	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9
120°	809.9	809.9	809.5	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8
122.5°	869.9	870.2	869.3	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6
125°	958.5	959.2	958.9	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6
127.5°	1045.7	1046.1	1045.7	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1
130°	1103.6	1104.0	1103.3	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4
132.5°	1159.1	1159.5	1159.6	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7
135°	1244.2	1244.2	1243.9	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7
137.5°	1327.0	1326.6	1325.8	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5
140°	1379.1	1378.5	1377.5	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4
142.5°	1430.7	1430.3	1429.1	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3
145°	1505.1	1505.1	1504.1	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6
147.5°	1572.9	1572.1	1571.3	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2
150°	1616.8	1616.8	1615.4	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2
152.5°	1656.2	1655.4	1654.8	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8
155°	1713.1	1711.8	1711.4	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1762.9	1761.5	1761.2	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3
160°	1793.0	1791.7	1791.4	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7
162.5°	1821.1	1819.4	1819.4	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5
165°	1859.4	1858.1	1857.7	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6
167.5°	1886.9	1884.9	1884.9	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9
170°	1903.8	1901.8	1901.8	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8
172.5°	1915.9	1913.9	1913.9	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9
175°	1929.4	1927.4	1927.4	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5
177.5°	1936.0	1934.4	1934.6	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333365

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.6	6.4	7.5	8.9	10.0	11.2	12.0	12.1	11.9	11.6	11.4
90°	4.2	6.9	9.6	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5
92.5°	38.4	40.3	42.1	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3
95°	98.7	99.4	100.0	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8
97.5°	163.1	163.4	163.7	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3
100°	211.1	211.1	211.1	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8
102.5°	264.4	265.7	267.0	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6
105°	345.5	347.2	348.9	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5
107.5°	434.8	436.5	438.2	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6
110°	496.4	498.0	499.7	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	558.3	559.2	560.0	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0
115°	651.4	652.7	654.0	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4
117.5°	743.5	744.1	744.7	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9
120°	802.5	804.2	805.9	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9
122.5°	864.2	864.8	865.4	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7
125°	950.6	952.7	954.7	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9
127.5°	1040.3	1041.4	1042.5	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4
130°	1095.1	1096.8	1098.4	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3
132.5°	1150.5	1153.2	1156.0	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8
135°	1235.7	1237.7	1239.7	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2
137.5°	1316.5	1318.4	1320.3	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4
140°	1368.1	1369.7	1371.4	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8
142.5°	1419.7	1421.1	1422.5	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1
145°	1495.9	1497.3	1498.6	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1
147.5°	1565.9	1566.6	1567.4	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7
150°	1611.9	1611.6	1611.2	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8
152.5°	1651.3	1651.8	1652.2	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0
155°	1710.3	1710.3	1710.3	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4
157.5°	1762.6	1761.9	1761.1	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2
160°	1793.7	1792.7	1791.7	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4
162.5°	1821.7	1821.0	1820.3	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7
165°	1858.9	1858.2	1857.6	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7
167.5°	1889.6	1888.3	1886.9	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9
170°	1906.5	1905.1	1903.8	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8
172.5°	1918.6	1917.2	1915.9	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9
175°	1932.1	1930.8	1929.4	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5
177.5°	1939.3	1938.3	1937.2	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	11.7	11.3	11.6	11.6	11.8	11.8	11.7
90°	29.2	30.8	32.2	33.2	34.2	35.2	36.2
92.5°	64.5	66.8	68.2	69.0	69.7	70.4	71.2
95°	123.2	125.5	127.0	127.7	128.4	129.0	129.7
97.5°	191.5	193.7	195.1	195.5	195.9	196.3	196.7
100°	239.8	242.8	244.7	245.3	246.0	246.7	247.3
102.5°	288.9	292.1	294.3	295.2	296.1	297.1	298.0
105°	366.5	368.5	370.0	371.0	372.0	373.0	374.0
107.5°	450.6	451.6	452.1	452.0	452.0	451.9	451.8
110°	509.8	510.8	511.1	510.8	510.4	510.1	509.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	568.5	568.9	568.9	568.3	567.7	567.1	566.5
115°	658.1	657.7	657.4	657.1	656.7	656.4	656.1
117.5°	749.2	749.4	748.9	747.5	746.2	744.9	743.5
120°	809.9	809.9	809.2	807.9	806.5	805.2	803.9
122.5°	869.4	869.1	868.5	867.4	866.3	865.2	864.2
125°	957.2	956.5	956.0	955.7	955.3	955.0	954.7
127.5°	1045.1	1044.7	1044.2	1043.5	1042.9	1042.2	1041.5
130°	1103.0	1102.6	1102.1	1101.5	1100.8	1100.1	1099.5
132.5°	1158.5	1158.1	1157.5	1156.6	1155.6	1154.7	1153.7
135°	1244.2	1244.2	1243.6	1242.2	1240.9	1239.5	1238.2
137.5°	1327.8	1328.2	1327.6	1325.9	1324.2	1322.5	1320.8
140°	1380.5	1381.1	1380.6	1379.0	1377.3	1375.6	1373.9
142.5°	1431.5	1432.0	1431.3	1429.6	1428.0	1426.3	1424.6
145°	1505.1	1505.1	1504.6	1503.6	1502.6	1501.6	1500.6
147.5°	1574.5	1575.3	1574.6	1572.3	1570.0	1567.8	1565.5
150°	1616.8	1616.8	1616.4	1615.7	1615.1	1614.4	1613.7
152.5°	1657.8	1658.6	1658.4	1657.2	1656.0	1654.8	1653.6
155°	1715.8	1717.1	1717.0	1715.3	1713.6	1711.9	1710.3
157.5°	1765.6	1766.9	1766.5	1764.2	1762.0	1759.8	1757.6
160°	1795.7	1797.1	1796.9	1795.2	1793.5	1791.9	1790.2
162.5°	1824.3	1825.9	1825.7	1823.8	1821.8	1819.9	1817.9
165°	1862.1	1863.4	1863.1	1861.1	1859.1	1857.1	1855.0
167.5°	1890.9	1892.9	1892.9	1890.8	1888.8	1886.7	1884.6
170°	1907.8	1909.8	1909.7	1907.3	1905.0	1902.6	1900.3
172.5°	1919.9	1921.9	1921.9	1919.8	1917.7	1915.6	1913.6
175°	1933.5	1935.5	1935.3	1933.0	1930.6	1928.3	1925.9
177.5°	1939.2	1940.8	1940.7	1938.8	1936.9	1935.0	1933.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0

(END OF REPORT)