

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: P333656

Luminaire Tested: **S125RDIW-S375D1560U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333656
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1560U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7698.6 lumens
Efficiency: N/A
Efficacy: 144.2 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-Indirect

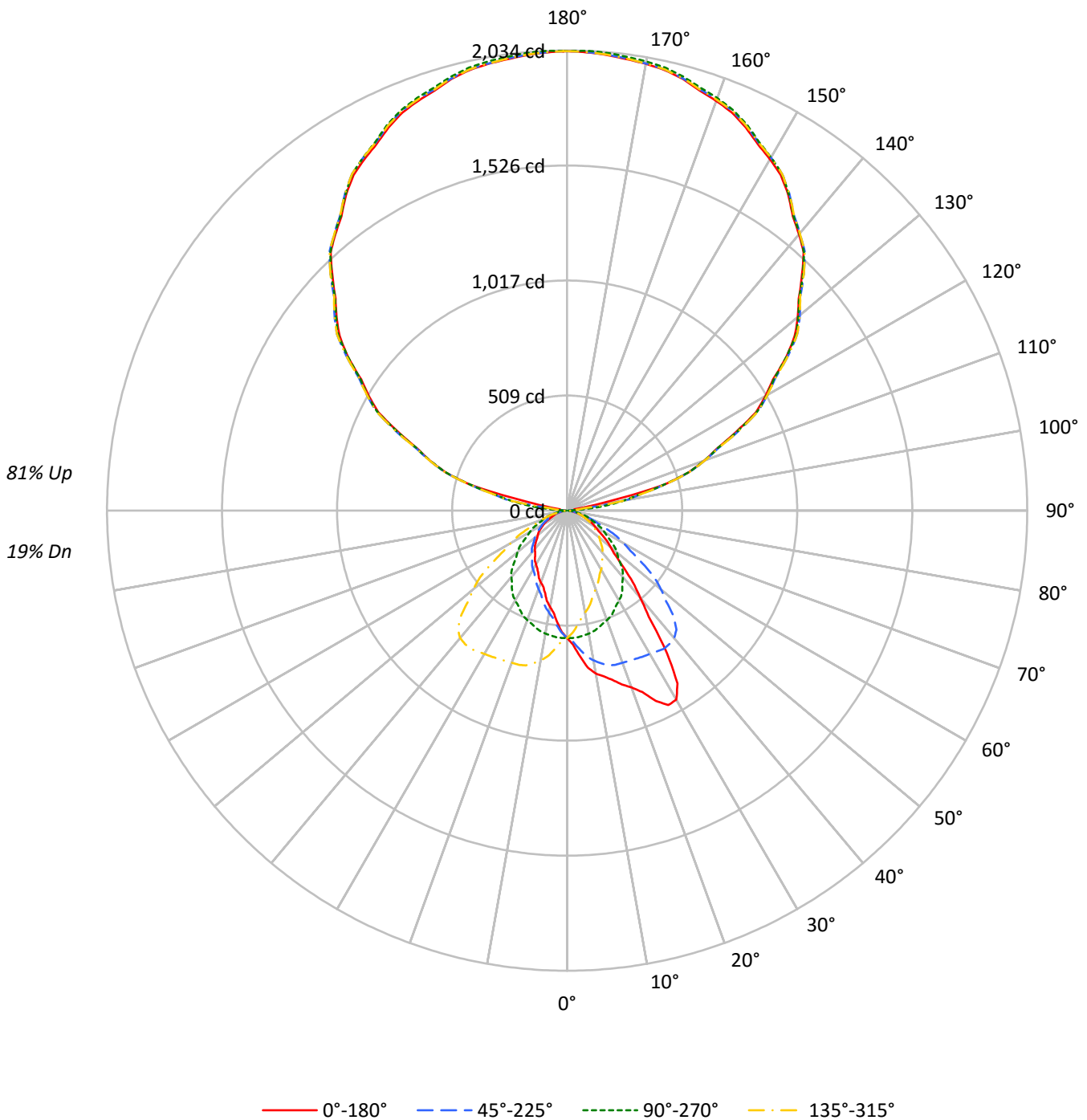
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	80	80	77	74	71	58	56	54	41	39	38	25	24	24	16
2	83	76	70	65	73	67	63	59	51	48	45	36	34	32	22	21	20	14
3	76	67	60	55	67	59	54	49	45	41	38	32	29	27	19	18	17	12
4	69	59	52	46	61	52	46	41	40	36	32	28	26	23	17	16	15	10
5	63	52	45	39	56	47	40	35	36	31	28	25	22	20	16	14	13	9
6	58	47	39	34	51	42	35	31	32	27	24	23	20	18	14	13	11	8
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	11	10	7
8	50	38	31	26	44	34	28	23	26	22	18	19	16	14	12	10	9	6
9	46	35	28	23	41	31	25	21	24	19	16	17	14	12	11	9	8	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	8	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3635	3635	3635	3635
5°	4182	3640	3215	3640
10°	4798	3621	2837	3621
15°	5182	3584	2521	3584
20°	5714	3542	2328	3542
25°	6613	3484	2161	3484
30°	7196	3424	2051	3424
35°	6070	3354	1949	3354
40°	4239	3228	1862	3228
45°	3145	3058	1777	3058
50°	2508	2882	1704	2882
55°	2128	2662	1639	2662
60°	1838	2466	1535	2466
65°	1638	2253	1320	2253
70°	1441	2064	1205	2064
75°	1245	1787	1130	1787
80°	945	1503	945	1503
85°	785	1178	889	1178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	0.7
10°-20°	158.2	2.1
20°-30°	250.8	3.3
30°-40°	302.5	3.9
40°-50°	270.1	3.5
50°-60°	207.1	2.7
60°-70°	134.6	1.7
70°-80°	65.4	0.9
80°-90°	19.8	0.3
90°-100°	73.8	1.0
100°-110°	454.8	5.9
110°-120°	824.9	10.7
120°-130°	1058.6	13.8
130°-140°	1138.6	14.8
140°-150°	1068.8	13.9
150°-160°	864.5	11.2
160°-170°	559.1	7.3
170°-180°	192.9	2.5
0°-30°	463.0	6.0
0°-40°	765.4	9.9
0°-60°	1242.7	16.1
0°-90°	1462.5	19.0
90°-120°	1353.5	17.6
90°-150°	4619.5	60.0
90°-180°	6236.0	81.0
0°-180°	7698.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	563	563	563	563	563	
5°	645	562	496	562	645	64
15°	775	536	377	536	775	222
25°	928	489	303	489	928	426
35°	770	425	247	425	770	465
45°	344	335	195	335	344	275
55°	189	236	146	236	189	172
65°	107	147	86	147	107	107
75°	50	72	45	72	50	53
85°	11	16	12	16	11	13
90°	36	2	36	2	36	16
95°	32	86	32	86	32	26
105°	447	443	447	443	447	404
115°	825	831	825	831	825	819
125°	1182	1182	1182	1182	1182	1051
135°	1468	1474	1468	1474	1468	1133
145°	1704	1709	1704	1709	1704	1064
155°	1868	1882	1868	1882	1868	861
165°	1975	1986	1975	1986	1975	557
175°	2022	2031	2022	2031	2022	192
180°	2031	2031	2031	2031	2031	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	592.1	591.7	592.5	590.4	590.6	587.5	587.5	585.1	581.9	579.5	578.4
5°	645.1	645.6	644.7	641.2	638.9	635.4	631.5	624.6	618.8	613.2	608.9
7.5°	699.8	700.1	697.0	696.0	690.1	685.9	677.2	667.7	659.4	648.7	640.6
10°	731.6	731.3	728.1	725.5	720.5	714.0	705.4	694.4	684.0	672.4	661.3
12.5°	750.0	749.4	748.4	745.3	740.6	734.9	727.6	716.7	703.9	691.3	678.3
15°	775.0	773.4	770.4	766.4	759.7	753.0	745.0	735.3	723.0	708.7	696.7
17.5°	805.9	805.9	801.3	795.8	786.7	774.9	762.4	746.8	730.1	714.4	701.6
20°	831.4	830.7	826.1	815.4	805.0	790.2	775.9	756.7	736.4	715.8	699.9
22.5°	868.0	866.2	861.4	847.4	831.3	812.2	790.3	766.9	742.3	719.0	698.0
25°	928.0	926.6	917.1	900.9	878.3	848.9	820.3	788.2	752.8	722.1	696.7
27.5°	969.0	967.5	960.4	947.0	926.1	895.2	856.5	813.5	769.4	727.1	690.5
30°	964.9	968.4	967.5	961.2	945.5	917.8	882.0	833.7	781.2	731.6	687.9
32.5°	906.9	910.0	918.1	930.4	931.3	920.2	893.4	848.8	794.5	738.0	685.8
35°	769.9	774.1	789.8	814.5	846.9	873.9	879.4	855.4	806.6	745.9	682.8
37.5°	591.9	614.6	627.9	653.9	702.8	752.5	800.3	817.9	797.2	742.6	677.9
40°	502.8	508.3	531.9	561.3	602.4	654.1	722.3	771.5	773.1	735.3	670.1
42.5°	430.3	437.4	453.5	477.0	512.2	563.9	634.3	699.3	729.3	714.9	659.9
45°	344.3	349.6	361.4	379.4	406.4	449.2	509.7	584.8	644.4	667.8	632.7
47.5°	282.8	285.7	295.9	309.7	329.7	360.8	407.7	472.9	544.4	594.5	589.6
50°	249.6	252.8	260.6	271.0	287.9	314.2	351.7	406.0	479.7	540.9	553.2
52.5°	223.7	226.4	231.3	241.1	255.0	275.2	305.5	354.6	420.9	486.0	514.4
55°	189.0	190.9	194.8	200.3	211.4	226.0	252.1	286.1	339.7	405.3	446.9
57.5°	160.5	161.4	163.9	169.0	176.7	187.3	206.2	234.9	273.4	332.5	378.4
60°	142.3	143.3	146.5	150.0	156.0	165.7	180.5	200.6	237.5	286.3	332.7
62.5°	127.9	128.5	129.9	133.3	138.6	146.1	157.7	174.1	203.5	246.4	290.2
65°	107.2	107.4	107.9	110.7	113.9	119.5	127.1	138.6	160.8	193.2	232.0
67.5°	87.3	87.7	89.3	90.3	93.6	96.5	101.0	109.8	125.5	147.3	177.5
70°	76.3	76.0	77.6	78.8	79.9	83.4	86.4	93.6	103.3	119.9	145.1
72.5°	65.9	65.3	66.0	66.4	67.9	70.3	73.3	77.7	85.2	96.6	115.9
75°	49.9	50.1	50.1	50.6	51.8	52.7	53.6	55.9	60.1	67.7	78.1
77.5°	35.0	34.7	35.6	35.8	36.5	37.5	38.3	39.2	40.9	44.0	49.4
80°	25.4	25.4	25.6	26.3	26.1	26.6	27.7	28.7	30.7	32.6	34.4
82.5°	19.5	19.3	19.5	19.7	19.6	20.1	20.5	20.7	21.5	22.4	23.7
85°	10.6	10.6	10.9	10.9	11.1	11.1	11.3	11.3	11.3	11.6	11.8
87.5°	11.3	10.9	10.5	10.3	10.3	10.4	9.9	9.4	9.0	8.7	8.4
90°	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4	25.8	24.1	21.7
92.5°	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4	25.8	24.1	22.0
95°	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4	25.8	24.1	36.8
97.5°	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2	64.6	74.1	99.2
100°	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2	212.1	261.9	260.6
102.5°	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3	324.8	334.2	333.4
105°	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0	567.9	567.8	567.2
110°	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3	646.3	647.3	646.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8	723.1	724.4	724.0
115°	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3	838.6	840.0	839.7
117.5°	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8	950.5	952.3	951.0
120°	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8	1021.5	1022.1	1021.1
122.5°	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4	1090.1	1090.8	1090.3
125°	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6	1190.9	1192.2	1192.2
127.5°	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1	1281.8	1282.6	1282.8
130°	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8	1341.8	1342.8	1342.4
132.5°	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6	1396.8	1397.0	1397.7
135°	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4	1479.1	1479.8	1480.4
137.5°	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7	1554.6	1554.4	1555.0
140°	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5	1600.9	1600.2	1600.5
142.5°	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4	1647.3	1647.2	1646.7
145°	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3	1711.9	1711.6	1711.6
147.5°	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8	1767.4	1767.0	1766.6
150°	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2	1802.6	1801.9	1801.2
152.5°	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6	1833.9	1833.2	1832.6
155°	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7	1876.7	1875.7	1875.0
157.5°	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3	1912.3	1911.2	1911.1
160°	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5	1934.2	1932.9	1932.5
162.5°	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9	1954.0	1952.1	1951.8
165°	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0	1980.0	1978.0	1977.7
167.5°	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8	1999.4	1997.0	1996.7
170°	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0	2009.3	2006.6	2006.3
172.5°	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9	2017.5	2015.1	2014.5
175°	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5	2025.9	2023.2	2022.9
177.5°	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1	2030.2	2028.3	2028.0
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	578.4	577.1	574.7	572.5	569.7	567.3	565.6	563.6	561.0	557.9	555.3
5°	604.0	598.9	592.2	586.4	579.0	573.3	567.3	561.5	555.7	548.3	541.8
7.5°	632.4	621.9	611.7	598.8	587.2	576.8	566.8	556.7	546.8	536.3	526.2
10°	649.8	637.0	623.0	606.8	592.0	577.9	565.0	552.2	538.8	527.1	514.4
12.5°	666.0	649.6	633.5	613.1	595.3	578.1	561.6	545.8	531.5	516.2	502.5
15°	680.7	664.5	646.5	621.6	596.8	576.0	556.6	536.1	518.3	501.2	485.9
17.5°	686.4	669.4	648.5	624.5	597.5	571.3	546.3	523.8	502.8	482.9	465.8
20°	684.2	667.8	646.3	623.4	594.5	567.3	540.2	515.3	491.9	470.9	452.7
22.5°	678.8	661.9	641.1	616.9	589.5	560.6	531.7	505.1	480.7	458.9	439.0
25°	670.8	647.7	626.4	602.8	576.7	548.1	518.3	488.9	462.8	440.6	418.9
27.5°	662.4	633.6	606.5	583.1	555.5	530.0	501.2	471.1	443.7	421.1	398.8
30°	654.8	622.5	592.7	566.1	540.0	515.7	488.5	459.1	430.9	407.6	385.0
32.5°	645.4	611.0	578.3	547.6	522.4	498.4	473.7	445.6	418.2	394.1	371.1
35°	633.6	589.7	554.1	521.5	493.6	470.2	448.0	425.4	397.9	372.9	350.5
37.5°	618.1	568.2	527.1	491.6	462.1	438.7	421.1	400.4	375.3	351.5	330.7
40°	608.6	552.7	507.7	472.5	441.6	416.8	400.4	382.9	360.0	337.6	316.8
42.5°	596.1	538.5	488.1	451.5	420.3	396.5	379.9	364.6	345.4	324.3	302.0
45°	571.4	510.9	458.0	418.7	387.3	363.9	348.4	334.8	320.3	300.8	281.4
47.5°	539.4	482.1	426.7	383.8	353.1	331.4	316.4	305.6	295.2	278.7	259.9
50°	513.7	458.4	404.4	362.8	330.0	309.4	295.3	286.8	277.3	262.3	246.5
52.5°	483.3	434.0	381.1	338.6	307.6	288.3	274.8	266.2	258.4	246.2	231.2
55°	435.6	392.3	343.8	305.2	276.8	257.4	244.5	236.4	231.8	221.4	209.6
57.5°	380.4	349.5	306.7	269.5	244.3	225.2	215.7	208.8	203.6	196.2	187.9
60°	342.0	320.3	281.9	246.5	223.4	205.2	196.6	190.9	186.0	179.8	173.3
62.5°	303.0	287.2	253.8	223.4	202.2	186.9	178.9	173.7	168.1	163.9	157.6
65°	250.7	236.6	213.5	189.7	170.1	157.8	152.0	147.4	144.0	139.3	134.9
67.5°	195.0	189.3	173.3	156.9	142.8	131.9	126.9	123.7	119.6	116.8	113.8
70°	160.8	158.0	146.7	135.9	122.7	115.3	110.7	109.3	104.2	101.4	99.4
72.5°	130.5	129.2	122.7	115.2	105.9	99.4	95.2	93.6	90.3	88.1	86.8
75°	89.4	89.9	88.7	83.9	80.4	76.3	72.6	71.6	69.3	67.5	66.3
77.5°	56.6	58.9	59.0	58.8	57.4	54.9	53.3	52.6	50.4	49.7	49.4
80°	38.8	41.4	43.7	43.4	43.0	42.3	41.1	40.4	39.3	38.6	38.1
82.5°	25.9	28.2	30.2	31.4	31.3	30.6	29.9	29.5	29.3	28.8	28.7
85°	12.2	12.7	13.4	15.0	16.2	16.4	16.2	15.9	15.3	15.5	15.7
87.5°	8.1	7.7	7.4	6.9	6.2	6.5	6.6	6.2	6.4	6.5	6.7
90°	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5	4.2	6.9	9.5
92.5°	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2	21.3	19.4	17.6
95°	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8	84.8	83.8	82.8
97.5°	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1	180.9	182.7	184.6
100°	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4	252.4	253.4	254.4
102.5°	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9	326.1	327.4	328.7
105°	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6	443.9	445.3	446.6
107.5°	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8
110°	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3



TEST NUMBER: P333656

CATALOG NUMBER: S125RDIW-S375D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0	719.8	720.6	721.4
115°	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0	832.6	834.3	836.0
117.5°	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9	946.8	946.7	946.7
120°	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1	1018.8	1018.5	1018.1
122.5°	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0	1084.2	1085.5	1086.8
125°	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7	1184.0	1186.4	1188.7
127.5°	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9	1277.6	1279.3	1281.0
130°	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7	1335.4	1337.1	1338.8
132.5°	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5	1393.5	1395.4	1397.4
135°	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7	1475.7	1477.8	1479.8
137.5°	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3	1551.0	1552.8	1554.5
140°	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7	1599.4	1600.0	1600.7
142.5°	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2	1643.6	1644.0	1644.4
145°	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6	1709.2	1709.9	1710.6
147.5°	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8	1765.6	1765.5	1765.4
150°	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1801.2	1800.6	1799.9
152.5°	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8	1835.4	1833.9	1832.4
155°	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7	1879.7	1877.7	1875.7
157.5°	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3	1915.1	1913.9	1912.7
160°	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4	1938.4	1936.4	1934.4
162.5°	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7	1957.7	1955.7	1953.6
165°	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6	1983.6	1981.5	1979.5
167.5°	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8	2002.8	2000.7	1998.6
170°	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7	2013.3	2011.0	2008.6
172.5°	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9	2020.6	2018.2	2015.9
175°	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7	2028.7	2026.7	2024.7
177.5°	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3	2032.7	2031.1	2029.5
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333656

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	553.4	550.9	549.0	545.3	542.7	541.6	539.6	539.0	541.1	539.6	539.4
5°	537.0	530.3	525.0	519.7	513.9	510.2	504.6	503.7	502.3	500.3	499.8
7.5°	517.3	508.5	501.7	492.9	485.3	479.1	472.2	468.9	467.1	464.4	460.8
10°	504.0	493.6	484.3	475.5	466.1	458.4	451.5	446.2	442.7	439.5	438.1
12.5°	490.8	480.2	468.4	457.8	447.2	438.7	431.0	427.5	423.7	419.9	416.7
15°	470.4	456.4	443.4	431.2	422.2	412.9	405.5	400.4	394.7	393.0	386.8
17.5°	448.8	435.0	419.8	407.0	396.5	386.3	378.2	372.4	368.1	362.1	359.3
20°	435.3	418.9	404.1	392.3	380.8	368.8	360.5	355.6	351.5	346.6	344.3
22.5°	420.9	404.9	389.7	375.9	364.2	352.3	346.4	341.4	336.7	332.2	329.1
25°	399.7	383.6	367.6	353.3	341.1	332.5	325.6	319.8	317.3	312.9	309.6
27.5°	378.8	361.6	345.1	330.8	321.2	312.7	307.0	302.5	297.9	294.1	291.2
30°	365.3	347.8	329.7	318.4	308.2	300.2	293.9	289.5	286.1	282.6	280.5
32.5°	351.8	333.7	317.7	305.5	295.9	288.9	282.5	278.2	274.6	270.8	268.3
35°	330.2	311.7	298.8	286.8	277.3	270.8	266.4	260.4	257.4	254.6	252.1
37.5°	310.1	292.9	278.9	268.4	260.1	253.7	248.0	244.8	241.1	238.6	236.5
40°	295.3	279.6	266.9	255.8	249.8	242.6	237.3	233.1	230.4	227.1	224.8
42.5°	282.0	267.4	255.0	245.1	237.6	231.5	226.4	222.2	218.7	216.4	214.5
45°	263.2	248.6	236.6	227.4	220.4	214.7	209.3	207.3	202.6	199.9	198.9
47.5°	243.7	230.7	219.1	210.6	203.5	198.0	193.0	188.8	186.2	183.5	182.0
50°	230.6	218.1	207.3	198.9	192.0	186.0	181.4	178.6	175.1	172.6	170.8
52.5°	217.5	205.9	195.1	187.1	181.1	175.1	169.9	167.2	163.9	162.3	161.0
55°	198.7	186.5	177.2	169.4	163.1	157.6	152.7	150.0	147.9	146.3	145.8
57.5°	177.5	167.8	159.2	152.1	145.6	140.4	136.1	133.5	131.7	131.4	130.0
60°	163.6	154.8	147.0	139.3	133.8	128.9	125.2	122.2	120.4	120.2	119.7
62.5°	149.7	141.3	134.0	127.3	122.3	117.7	114.1	110.8	109.7	108.5	107.5
65°	129.2	121.5	115.5	110.2	104.9	101.0	97.5	95.4	92.9	91.5	89.0
67.5°	109.0	103.1	97.3	92.8	88.6	84.9	82.0	78.9	77.2	76.1	74.3
70°	95.7	91.0	85.3	80.4	77.2	74.2	71.9	68.4	67.2	66.3	65.4
72.5°	83.1	79.0	74.2	70.2	67.0	64.2	61.5	59.9	58.7	57.8	57.3
75°	65.4	61.5	57.3	54.5	52.2	49.9	48.5	47.4	46.9	46.7	45.8
77.5°	48.0	45.9	42.6	40.4	38.9	37.9	36.7	36.1	36.0	35.0	34.7
80°	36.7	35.6	32.8	31.9	30.7	29.8	29.1	28.0	26.8	26.3	25.6
82.5°	27.3	26.2	25.0	23.6	22.6	22.0	21.4	20.9	21.1	20.4	20.1
85°	14.6	13.4	12.9	12.7	12.2	12.7	12.5	12.2	12.0	11.8	12.0
87.5°	7.1	7.6	7.8	8.7	8.6	9.3	9.6	9.7	10.1	10.4	10.5
90°	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4	29.1	30.8	32.1
92.5°	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4	29.1	30.8	31.8
95°	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4	29.1	30.8	31.6
97.5°	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2	45.8	36.3	31.6
100°	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2	112.4	62.6	37.0
102.5°	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3	305.9	296.5	280.4
105°	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.4
107.5°	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0	568.0	568.1	567.6
110°	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3	644.3	643.3	643.0



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CATALOG NUMBER: S125RDIW-S375D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8	720.6	719.3	718.4
115°	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3	836.0	834.6	833.0
117.5°	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8	947.1	945.3	944.0
120°	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8	1020.1	1019.5	1018.3
122.5°	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4	1088.8	1088.1	1086.8
125°	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6	1188.2	1186.9	1185.7
127.5°	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1	1280.4	1279.6	1278.0
130°	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8	1339.8	1338.8	1337.4
132.5°	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6	1396.4	1396.2	1395.2
135°	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4	1477.8	1477.1	1475.7
137.5°	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7	1554.8	1555.0	1554.2
140°	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5	1602.2	1602.9	1602.2
142.5°	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4	1647.6	1647.7	1646.8
145°	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3	1712.6	1712.9	1712.1
147.5°	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8	1768.2	1768.6	1767.6
150°	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2	1803.9	1804.6	1803.6
152.5°	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6	1835.2	1835.9	1835.0
155°	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7	1878.7	1879.7	1878.8
157.5°	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3	1914.4	1915.5	1914.7
160°	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5	1936.9	1938.2	1937.6
162.5°	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9	1957.8	1959.6	1959.1
165°	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0	1984.1	1986.1	1985.7
167.5°	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8	2004.2	2006.6	2006.3
170°	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0	2014.7	2017.3	2017.2
172.5°	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9	2022.3	2024.7	2024.4
175°	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5	2031.2	2033.9	2033.7
177.5°	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1	2033.9	2035.8	2035.7
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333656

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.2	537.2	536.6	537.4	536.6	537.2	539.2	539.4	539.6	541.1	539.0
5°	497.5	495.2	496.3	495.9	496.3	495.2	497.5	499.8	500.3	502.3	503.7
7.5°	460.8	457.9	454.9	455.8	454.9	457.9	460.8	460.8	464.4	467.1	468.9
10°	435.1	432.8	431.4	432.6	431.4	432.8	435.1	438.1	439.5	442.7	446.2
12.5°	413.5	412.1	410.9	410.4	410.9	412.1	413.5	416.7	419.9	423.7	427.5
15°	384.0	381.3	380.1	377.1	380.1	381.3	384.0	386.8	393.0	394.7	400.4
17.5°	356.9	356.0	353.0	351.7	353.0	356.0	356.9	359.3	362.1	368.1	372.4
20°	340.8	339.9	336.9	338.7	336.9	339.9	340.8	344.3	346.6	351.5	355.6
22.5°	327.5	325.5	324.5	324.0	324.5	325.5	327.5	329.1	332.2	336.7	341.4
25°	308.7	305.7	304.5	303.2	304.5	305.7	308.7	309.6	312.9	317.3	319.8
27.5°	289.9	288.3	286.8	286.4	286.8	288.3	289.9	291.2	294.1	297.9	302.5
30°	277.7	276.1	275.0	275.0	275.0	276.1	277.7	280.5	282.6	286.1	289.5
32.5°	266.8	265.6	264.4	264.2	264.4	265.6	266.8	268.3	270.8	274.6	278.2
35°	250.9	249.1	248.6	247.2	248.6	249.1	250.9	252.1	254.6	257.4	260.4
37.5°	234.4	232.9	232.9	232.7	232.9	232.9	234.4	236.5	238.6	241.1	244.8
40°	223.9	222.7	222.5	220.9	222.5	222.7	223.9	224.8	227.1	230.4	233.1
42.5°	212.6	212.0	211.2	210.5	211.2	212.0	212.6	214.5	216.4	218.7	222.2
45°	197.3	195.7	195.7	194.6	195.7	195.7	197.3	198.9	199.9	202.6	207.3
47.5°	181.5	180.3	180.4	179.2	180.4	180.3	181.5	182.0	183.5	186.2	188.8
50°	171.0	170.3	170.1	169.6	170.1	170.3	171.0	170.8	172.6	175.1	178.6
52.5°	160.5	160.1	161.0	160.0	161.0	160.1	160.5	161.0	162.3	163.9	167.2
55°	146.3	145.6	147.0	145.6	147.0	145.6	146.3	145.8	146.3	147.9	150.0
57.5°	130.0	129.3	130.6	129.9	130.6	129.3	130.0	130.0	131.4	131.7	133.5
60°	119.2	117.8	118.5	118.8	118.5	117.8	119.2	119.7	120.2	120.4	122.2
62.5°	106.5	105.6	106.2	105.1	106.2	105.6	106.5	107.5	108.5	109.7	110.8
65°	88.5	87.8	86.9	86.4	86.9	87.8	88.5	89.0	91.5	92.9	95.4
67.5°	74.4	72.7	72.6	73.0	72.6	72.7	74.4	74.3	76.1	77.2	78.9
70°	64.0	64.0	63.8	63.8	63.8	64.0	64.0	65.4	66.3	67.2	68.4
72.5°	56.8	56.6	56.2	56.0	56.2	56.6	56.8	57.3	57.8	58.7	59.9
75°	45.8	46.0	45.5	45.3	45.5	46.0	45.8	45.8	46.7	46.9	47.4
77.5°	33.8	32.8	33.3	32.8	33.3	32.8	33.8	34.7	35.0	36.0	36.1
80°	25.6	25.4	26.1	25.4	26.1	25.4	25.6	25.6	26.3	26.8	28.0
82.5°	20.3	20.1	20.4	19.9	20.4	20.1	20.3	20.1	20.4	21.1	20.9
85°	12.2	12.0	11.8	12.0	11.8	12.0	12.2	12.0	11.8	12.0	12.2
87.5°	10.9	10.9	11.1	11.3	11.1	10.9	10.9	10.5	10.4	10.1	9.7
90°	33.1	34.1	35.1	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4
92.5°	32.3	32.8	33.3	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4
95°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4
97.5°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2
100°	35.6	34.3	33.0	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2
102.5°	257.6	234.9	212.1	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3
105°	448.1	447.8	447.4	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6
107.5°	566.6	565.6	564.6	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0
110°	643.3	643.6	644.0	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3



TEST NUMBER: P333656

CATALOG NUMBER: S125RDIW-S375D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	718.0	717.5	717.0	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8
115°	831.0	828.9	826.9	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3
117.5°	943.2	942.3	941.4	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8
120°	1016.6	1014.9	1013.3	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8
122.5°	1084.9	1082.9	1081.0	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4
125°	1184.7	1183.7	1182.7	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6
127.5°	1275.5	1273.1	1270.6	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1
130°	1335.8	1334.1	1332.4	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8
132.5°	1393.6	1391.9	1390.2	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6
135°	1473.7	1471.7	1469.7	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4
137.5°	1552.4	1550.7	1548.9	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7
140°	1600.2	1598.2	1596.2	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5
142.5°	1644.7	1642.7	1640.7	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4
145°	1710.1	1708.1	1706.1	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3
147.5°	1765.2	1762.8	1760.4	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8
150°	1800.9	1798.2	1795.6	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2
152.5°	1832.6	1830.2	1827.8	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6
155°	1876.2	1873.5	1870.8	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7
157.5°	1912.0	1909.3	1906.6	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3
160°	1934.9	1932.2	1929.5	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5
162.5°	1956.2	1953.2	1950.3	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9
165°	1983.1	1980.4	1977.7	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0
167.5°	2003.3	2000.3	1997.3	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8
170°	2014.2	2011.2	2008.1	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0
172.5°	2021.4	2018.4	2015.4	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9
175°	2030.7	2027.7	2024.7	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5
177.5°	2033.5	2031.4	2029.2	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333656

CATALOG NUMBER: S125RDIW-S375D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.6	541.6	542.7	545.3	549.0	550.9	553.4	555.3	557.9	561.0	563.6
5°	504.6	510.2	513.9	519.7	525.0	530.3	537.0	541.8	548.3	555.7	561.5
7.5°	472.2	479.1	485.3	492.9	501.7	508.5	517.3	526.2	536.3	546.8	556.7
10°	451.5	458.4	466.1	475.5	484.3	493.6	504.0	514.4	527.1	538.8	552.2
12.5°	431.0	438.7	447.2	457.8	468.4	480.2	490.8	502.5	516.2	531.5	545.8
15°	405.5	412.9	422.2	431.2	443.4	456.4	470.4	485.9	501.2	518.3	536.1
17.5°	378.2	386.3	396.5	407.0	419.8	435.0	448.8	465.8	482.9	502.8	523.8
20°	360.5	368.8	380.8	392.3	404.1	418.9	435.3	452.7	470.9	491.9	515.3
22.5°	346.4	352.3	364.2	375.9	389.7	404.9	420.9	439.0	458.9	480.7	505.1
25°	325.6	332.5	341.1	353.3	367.6	383.6	399.7	418.9	440.6	462.8	488.9
27.5°	307.0	312.7	321.2	330.8	345.1	361.6	378.8	398.8	421.1	443.7	471.1
30°	293.9	300.2	308.2	318.4	329.7	347.8	365.3	385.0	407.6	430.9	459.1
32.5°	282.5	288.9	295.9	305.5	317.7	333.7	351.8	371.1	394.1	418.2	445.6
35°	266.4	270.8	277.3	286.8	298.8	311.7	330.2	350.5	372.9	397.9	425.4
37.5°	248.0	253.7	260.1	268.4	278.9	292.9	310.1	330.7	351.5	375.3	400.4
40°	237.3	242.6	249.8	255.8	266.9	279.6	295.3	316.8	337.6	360.0	382.9
42.5°	226.4	231.5	237.6	245.1	255.0	267.4	282.0	302.0	324.3	345.4	364.6
45°	209.3	214.7	220.4	227.4	236.6	248.6	263.2	281.4	300.8	320.3	334.8
47.5°	193.0	198.0	203.5	210.6	219.1	230.7	243.7	259.9	278.7	295.2	305.6
50°	181.4	186.0	192.0	198.9	207.3	218.1	230.6	246.5	262.3	277.3	286.8
52.5°	169.9	175.1	181.1	187.1	195.1	205.9	217.5	231.2	246.2	258.4	266.2
55°	152.7	157.6	163.1	169.4	177.2	186.5	198.7	209.6	221.4	231.8	236.4
57.5°	136.1	140.4	145.6	152.1	159.2	167.8	177.5	187.9	196.2	203.6	208.8
60°	125.2	128.9	133.8	139.3	147.0	154.8	163.6	173.3	179.8	186.0	190.9
62.5°	114.1	117.7	122.3	127.3	134.0	141.3	149.7	157.6	163.9	168.1	173.7
65°	97.5	101.0	104.9	110.2	115.5	121.5	129.2	134.9	139.3	144.0	147.4
67.5°	82.0	84.9	88.6	92.8	97.3	103.1	109.0	113.8	116.8	119.6	123.7
70°	71.9	74.2	77.2	80.4	85.3	91.0	95.7	99.4	101.4	104.2	109.3
72.5°	61.5	64.2	67.0	70.2	74.2	79.0	83.1	86.8	88.1	90.3	93.6
75°	48.5	49.9	52.2	54.5	57.3	61.5	65.4	66.3	67.5	69.3	71.6
77.5°	36.7	37.9	38.9	40.4	42.6	45.9	48.0	49.4	49.7	50.4	52.6
80°	29.1	29.8	30.7	31.9	32.8	35.6	36.7	38.1	38.6	39.3	40.4
82.5°	21.4	22.0	22.6	23.6	25.0	26.2	27.3	28.7	28.8	29.3	29.5
85°	12.5	12.7	12.2	12.7	12.9	13.4	14.6	15.7	15.5	15.3	15.9
87.5°	9.6	9.3	8.6	8.7	7.8	7.6	7.1	6.7	6.5	6.4	6.2
90°	25.8	24.1	21.7	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5
92.5°	25.8	24.1	22.0	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2
95°	25.8	24.1	36.8	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8
97.5°	64.6	74.1	99.2	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1
100°	212.1	261.9	260.6	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4
102.5°	324.8	334.2	333.4	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9
105°	448.6	448.6	448.6	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6
107.5°	567.9	567.8	567.2	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8
110°	646.3	647.3	646.6	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3



TEST NUMBER: P333656

CATALOG NUMBER: S125RDIW-S375D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	723.1	724.4	724.0	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0
115°	838.6	840.0	839.7	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0
117.5°	950.5	952.3	951.0	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9
120°	1021.5	1022.1	1021.1	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1
122.5°	1090.1	1090.8	1090.3	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0
125°	1190.9	1192.2	1192.2	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7
127.5°	1281.8	1282.6	1282.8	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9
130°	1341.8	1342.8	1342.4	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7
132.5°	1396.8	1397.0	1397.7	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5
135°	1479.1	1479.8	1480.4	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7
137.5°	1554.6	1554.4	1555.0	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3
140°	1600.9	1600.2	1600.5	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7
142.5°	1647.3	1647.2	1646.7	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2
145°	1711.9	1711.6	1711.6	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6
147.5°	1767.4	1767.0	1766.6	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8
150°	1802.6	1801.9	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9
152.5°	1833.9	1833.2	1832.6	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8
155°	1876.7	1875.7	1875.0	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7
157.5°	1912.3	1911.2	1911.1	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3
160°	1934.2	1932.9	1932.5	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4
162.5°	1954.0	1952.1	1951.8	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7
165°	1980.0	1978.0	1977.7	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6
167.5°	1999.4	1997.0	1996.7	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8
170°	2009.3	2006.6	2006.3	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7
172.5°	2017.5	2015.1	2014.5	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9
175°	2025.9	2023.2	2022.9	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7
177.5°	2030.2	2028.3	2028.0	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	565.6	567.3	569.7	572.5	574.7	577.1	578.4	578.4	579.5	581.9	585.1
5°	567.3	573.3	579.0	586.4	592.2	598.9	604.0	608.9	613.2	618.8	624.6
7.5°	566.8	576.8	587.2	598.8	611.7	621.9	632.4	640.6	648.7	659.4	667.7
10°	565.0	577.9	592.0	606.8	623.0	637.0	649.8	661.3	672.4	684.0	694.4
12.5°	561.6	578.1	595.3	613.1	633.5	649.6	666.0	678.3	691.3	703.9	716.7
15°	556.6	576.0	596.8	621.6	646.5	664.5	680.7	696.7	708.7	723.0	735.3
17.5°	546.3	571.3	597.5	624.5	648.5	669.4	686.4	701.6	714.4	730.1	746.8
20°	540.2	567.3	594.5	623.4	646.3	667.8	684.2	699.9	715.8	736.4	756.7
22.5°	531.7	560.6	589.5	616.9	641.1	661.9	678.8	698.0	719.0	742.3	766.9
25°	518.3	548.1	576.7	602.8	626.4	647.7	670.8	696.7	722.1	752.8	788.2
27.5°	501.2	530.0	555.5	583.1	606.5	633.6	662.4	690.5	727.1	769.4	813.5
30°	488.5	515.7	540.0	566.1	592.7	622.5	654.8	687.9	731.6	781.2	833.7
32.5°	473.7	498.4	522.4	547.6	578.3	611.0	645.4	685.8	738.0	794.5	848.8
35°	448.0	470.2	493.6	521.5	554.1	589.7	633.6	682.8	745.9	806.6	855.4
37.5°	421.1	438.7	462.1	491.6	527.1	568.2	618.1	677.9	742.6	797.2	817.9
40°	400.4	416.8	441.6	472.5	507.7	552.7	608.6	670.1	735.3	773.1	771.5
42.5°	379.9	396.5	420.3	451.5	488.1	538.5	596.1	659.9	714.9	729.3	699.3
45°	348.4	363.9	387.3	418.7	458.0	510.9	571.4	632.7	667.8	644.4	584.8
47.5°	316.4	331.4	353.1	383.8	426.7	482.1	539.4	589.6	594.5	544.4	472.9
50°	295.3	309.4	330.0	362.8	404.4	458.4	513.7	553.2	540.9	479.7	406.0
52.5°	274.8	288.3	307.6	338.6	381.1	434.0	483.3	514.4	486.0	420.9	354.6
55°	244.5	257.4	276.8	305.2	343.8	392.3	435.6	446.9	405.3	339.7	286.1
57.5°	215.7	225.2	244.3	269.5	306.7	349.5	380.4	378.4	332.5	273.4	234.9
60°	196.6	205.2	223.4	246.5	281.9	320.3	342.0	332.7	286.3	237.5	200.6
62.5°	178.9	186.9	202.2	223.4	253.8	287.2	303.0	290.2	246.4	203.5	174.1
65°	152.0	157.8	170.1	189.7	213.5	236.6	250.7	232.0	193.2	160.8	138.6
67.5°	126.9	131.9	142.8	156.9	173.3	189.3	195.0	177.5	147.3	125.5	109.8
70°	110.7	115.3	122.7	135.9	146.7	158.0	160.8	145.1	119.9	103.3	93.6
72.5°	95.2	99.4	105.9	115.2	122.7	129.2	130.5	115.9	96.6	85.2	77.7
75°	72.6	76.3	80.4	83.9	88.7	89.9	89.4	78.1	67.7	60.1	55.9
77.5°	53.3	54.9	57.4	58.8	59.0	58.9	56.6	49.4	44.0	40.9	39.2
80°	41.1	42.3	43.0	43.4	43.7	41.4	38.8	34.4	32.6	30.7	28.7
82.5°	29.9	30.6	31.3	31.4	30.2	28.2	25.9	23.7	22.4	21.5	20.7
85°	16.2	16.4	16.2	15.0	13.4	12.7	12.2	11.8	11.6	11.3	11.3
87.5°	6.6	6.5	6.2	6.9	7.4	7.7	8.1	8.4	8.7	9.0	9.4
90°	4.2	6.9	9.5	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4
92.5°	21.3	19.4	17.6	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4
95°	84.8	83.8	82.8	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4
97.5°	180.9	182.7	184.6	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2
100°	252.4	253.4	254.4	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2
102.5°	326.1	327.4	328.7	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3
105°	443.9	445.3	446.6	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	564.8	564.8	564.8	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0
110°	644.3	644.3	644.3	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	719.8	720.6	721.4	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8
115°	832.6	834.3	836.0	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3
117.5°	946.8	946.7	946.7	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8
120°	1018.8	1018.5	1018.1	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8
122.5°	1084.2	1085.5	1086.8	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4
125°	1184.0	1186.4	1188.7	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6
127.5°	1277.6	1279.3	1281.0	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1
130°	1335.4	1337.1	1338.8	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8
132.5°	1393.5	1395.4	1397.4	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6
135°	1475.7	1477.8	1479.8	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4
137.5°	1551.0	1552.8	1554.5	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7
140°	1599.4	1600.0	1600.7	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5
142.5°	1643.6	1644.0	1644.4	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4
145°	1709.2	1709.9	1710.6	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3
147.5°	1765.6	1765.5	1765.4	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8
150°	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2
152.5°	1835.4	1833.9	1832.4	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6
155°	1879.7	1877.7	1875.7	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7
157.5°	1915.1	1913.9	1912.7	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3
160°	1938.4	1936.4	1934.4	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5
162.5°	1957.7	1955.7	1953.6	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9
165°	1983.6	1981.5	1979.5	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0
167.5°	2002.8	2000.7	1998.6	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8
170°	2013.3	2011.0	2008.6	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0
172.5°	2020.6	2018.2	2015.9	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9
175°	2028.7	2026.7	2024.7	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5
177.5°	2032.7	2031.1	2029.5	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	587.5	587.5	590.6	590.4	592.5	591.7	592.1
5°	631.5	635.4	638.9	641.2	644.7	645.6	645.1
7.5°	677.2	685.9	690.1	696.0	697.0	700.1	699.8
10°	705.4	714.0	720.5	725.5	728.1	731.3	731.6
12.5°	727.6	734.9	740.6	745.3	748.4	749.4	750.0
15°	745.0	753.0	759.7	766.4	770.4	773.4	775.0
17.5°	762.4	774.9	786.7	795.8	801.3	805.9	805.9
20°	775.9	790.2	805.0	815.4	826.1	830.7	831.4
22.5°	790.3	812.2	831.3	847.4	861.4	866.2	868.0
25°	820.3	848.9	878.3	900.9	917.1	926.6	928.0
27.5°	856.5	895.2	926.1	947.0	960.4	967.5	969.0
30°	882.0	917.8	945.5	961.2	967.5	968.4	964.9
32.5°	893.4	920.2	931.3	930.4	918.1	910.0	906.9
35°	879.4	873.9	846.9	814.5	789.8	774.1	769.9
37.5°	800.3	752.5	702.8	653.9	627.9	614.6	591.9
40°	722.3	654.1	602.4	561.3	531.9	508.3	502.8
42.5°	634.3	563.9	512.2	477.0	453.5	437.4	430.3
45°	509.7	449.2	406.4	379.4	361.4	349.6	344.3
47.5°	407.7	360.8	329.7	309.7	295.9	285.7	282.8
50°	351.7	314.2	287.9	271.0	260.6	252.8	249.6
52.5°	305.5	275.2	255.0	241.1	231.3	226.4	223.7
55°	252.1	226.0	211.4	200.3	194.8	190.9	189.0
57.5°	206.2	187.3	176.7	169.0	163.9	161.4	160.5
60°	180.5	165.7	156.0	150.0	146.5	143.3	142.3
62.5°	157.7	146.1	138.6	133.3	129.9	128.5	127.9
65°	127.1	119.5	113.9	110.7	107.9	107.4	107.2
67.5°	101.0	96.5	93.6	90.3	89.3	87.7	87.3
70°	86.4	83.4	79.9	78.8	77.6	76.0	76.3
72.5°	73.3	70.3	67.9	66.4	66.0	65.3	65.9
75°	53.6	52.7	51.8	50.6	50.1	50.1	49.9
77.5°	38.3	37.5	36.5	35.8	35.6	34.7	35.0
80°	27.7	26.6	26.1	26.3	25.6	25.4	25.4
82.5°	20.5	20.1	19.6	19.7	19.5	19.3	19.5
85°	11.3	11.1	11.1	10.9	10.9	10.6	10.6
87.5°	9.9	10.4	10.3	10.3	10.5	10.9	11.3
90°	29.1	30.8	32.1	33.1	34.1	35.1	36.1
92.5°	29.1	30.8	31.8	32.3	32.8	33.3	33.7
95°	29.1	30.8	31.6	31.6	31.6	31.6	31.6
97.5°	45.8	36.3	31.6	31.6	31.6	31.6	31.6
100°	112.4	62.6	37.0	35.6	34.3	33.0	31.6
102.5°	305.9	296.5	280.4	257.6	234.9	212.1	189.4
105°	448.6	448.6	448.4	448.1	447.8	447.4	447.1
107.5°	568.0	568.1	567.6	566.6	565.6	564.6	563.6
110°	644.3	643.3	643.0	643.3	643.6	644.0	644.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	720.6	719.3	718.4	718.0	717.5	717.0	716.5
115°	836.0	834.6	833.0	831.0	828.9	826.9	824.9
117.5°	947.1	945.3	944.0	943.2	942.3	941.4	940.5
120°	1020.1	1019.5	1018.3	1016.6	1014.9	1013.3	1011.6
122.5°	1088.8	1088.1	1086.8	1084.9	1082.9	1081.0	1079.0
125°	1188.2	1186.9	1185.7	1184.7	1183.7	1182.7	1181.7
127.5°	1280.4	1279.6	1278.0	1275.5	1273.1	1270.6	1268.1
130°	1339.8	1338.8	1337.4	1335.8	1334.1	1332.4	1330.7
132.5°	1396.4	1396.2	1395.2	1393.6	1391.9	1390.2	1388.5
135°	1477.8	1477.1	1475.7	1473.7	1471.7	1469.7	1467.7
137.5°	1554.8	1555.0	1554.2	1552.4	1550.7	1548.9	1547.2
140°	1602.2	1602.9	1602.2	1600.2	1598.2	1596.2	1594.2
142.5°	1647.6	1647.7	1646.8	1644.7	1642.7	1640.7	1638.7
145°	1712.6	1712.9	1712.1	1710.1	1708.1	1706.1	1704.1
147.5°	1768.2	1768.6	1767.6	1765.2	1762.8	1760.4	1758.0
150°	1803.9	1804.6	1803.6	1800.9	1798.2	1795.6	1792.9
152.5°	1835.2	1835.9	1835.0	1832.6	1830.2	1827.8	1825.4
155°	1878.7	1879.7	1878.8	1876.2	1873.5	1870.8	1868.1
157.5°	1914.4	1915.5	1914.7	1912.0	1909.3	1906.6	1904.0
160°	1936.9	1938.2	1937.6	1934.9	1932.2	1929.5	1926.9
162.5°	1957.8	1959.6	1959.1	1956.2	1953.2	1950.3	1947.3
165°	1984.1	1986.1	1985.7	1983.1	1980.4	1977.7	1975.0
167.5°	2004.2	2006.6	2006.3	2003.3	2000.3	1997.3	1994.3
170°	2014.7	2017.3	2017.2	2014.2	2011.2	2008.1	2005.1
172.5°	2022.3	2024.7	2024.4	2021.4	2018.4	2015.4	2012.4
175°	2031.2	2033.9	2033.7	2030.7	2027.7	2024.7	2021.7
177.5°	2033.9	2035.8	2035.7	2033.5	2031.4	2029.2	2027.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7

(END OF REPORT)