

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333364

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333364
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1560U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7776.4 lumens
Efficiency: N/A
Efficacy: 145.6 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

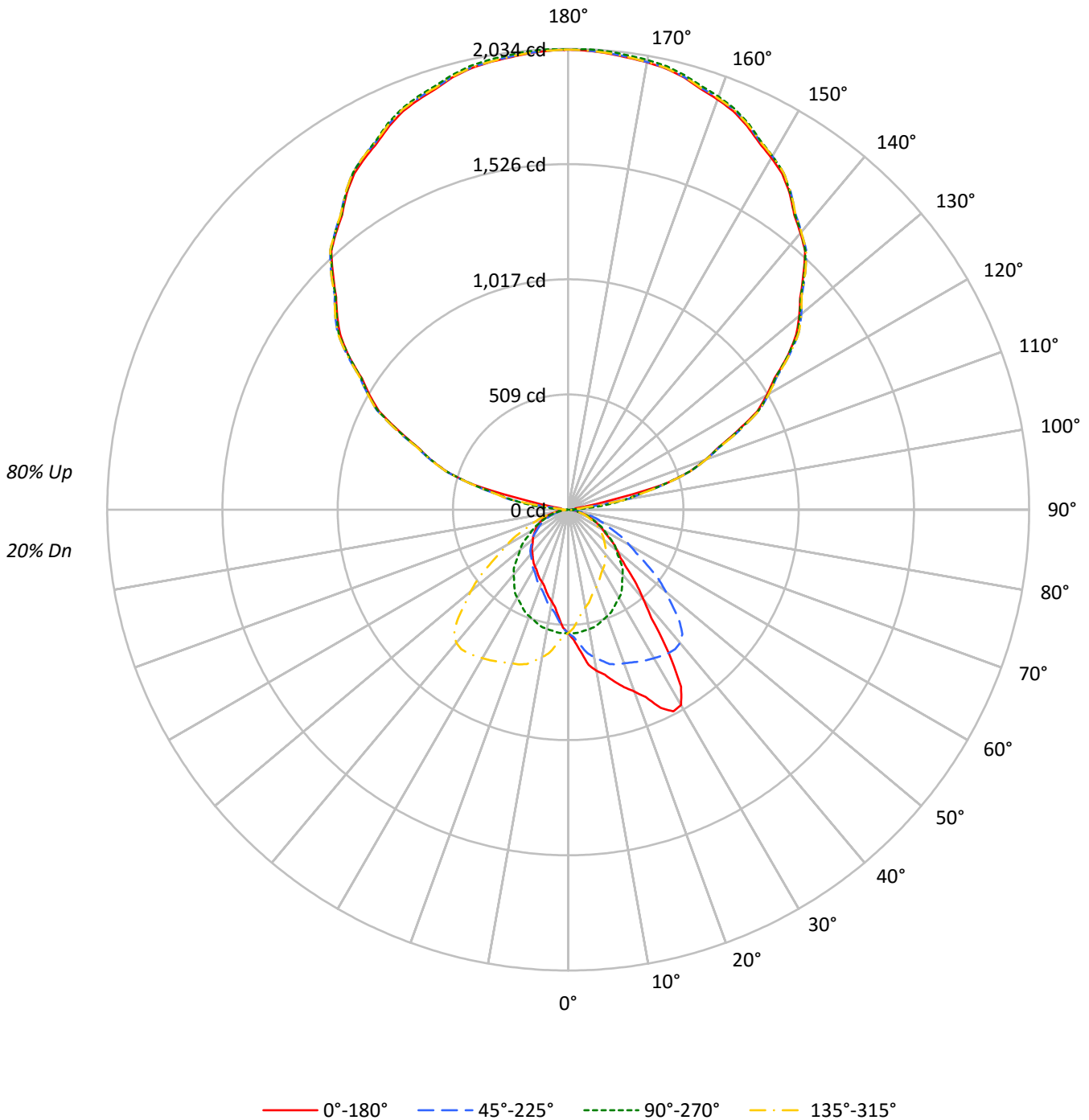
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	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	0.7
10°-20°	156.0	2.0
20°-30°	253.4	3.3
30°-40°	309.1	4.0
40°-50°	281.2	3.6
50°-60°	224.0	2.9
60°-70°	156.0	2.0
70°-80°	83.2	1.1
80°-90°	25.2	0.3
90°-100°	73.8	0.9
100°-110°	454.8	5.8
110°-120°	824.9	10.6
120°-130°	1058.6	13.6
130°-140°	1138.6	14.6
140°-150°	1068.8	13.7
150°-160°	864.5	11.1
160°-170°	559.1	7.2
170°-180°	192.9	2.5
0°-30°	461.8	5.9
0°-40°	770.9	9.9
0°-60°	1276.0	16.4
0°-90°	1540.4	19.8
90°-120°	1353.5	17.4
90°-150°	4619.5	59.4
90°-180°	6236.0	80.2
0°-180°	7776.4	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	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°	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	11.8	12.1
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°	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	9.5	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: P333364

CATALOG NUMBER: S125DIW-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: P333364

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

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	21.7	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



TEST NUMBER: P333364

CATALOG NUMBER: S125DIW-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: P333364

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

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°	33.1	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: P333364

CATALOG NUMBER: S125DIW-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: P333364

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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	21.7	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: P333364

CATALOG NUMBER: S125DIW-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



TEST NUMBER: P333364

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

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	11.8	11.6	11.4
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°	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°	29.1	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)