

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: P333676

Luminaire Tested: **S125RDIW-S610D1560U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333676
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-S610D1560U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 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: 8637.7 lumens
Efficiency: N/A
Efficacy: 142.5 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

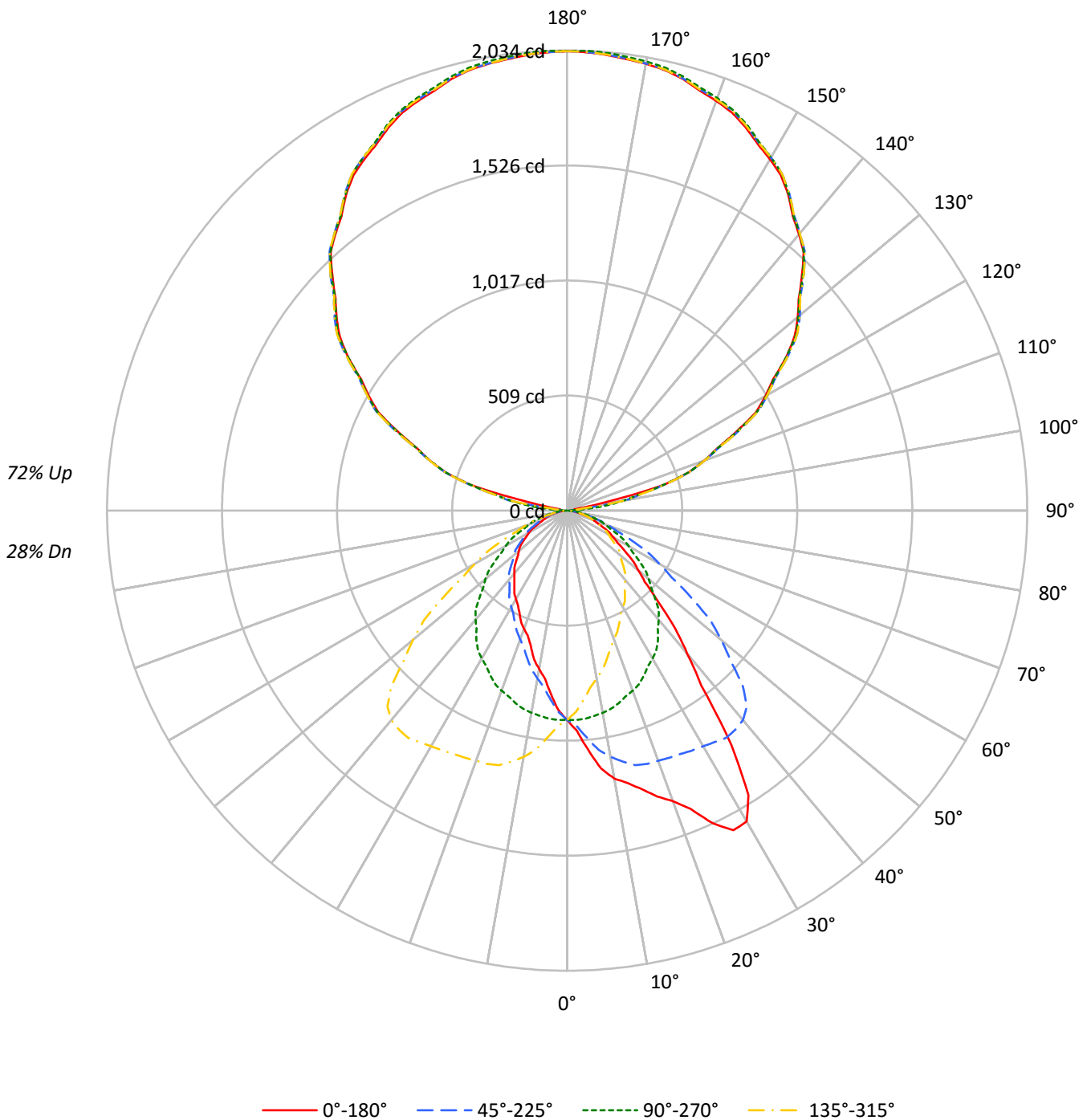
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	62	60	59	47	45	44	32	31	31	24
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	28	27	26	20
3	77	69	62	56	69	62	56	51	49	45	41	36	34	32	25	24	22	17
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15
5	65	54	46	41	58	49	42	37	39	34	30	29	26	24	20	19	17	13
6	60	48	41	35	53	44	37	32	35	30	26	26	23	21	19	17	15	12
7	55	43	36	31	49	39	33	28	31	27	23	24	21	18	17	15	13	10
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	13	12	9
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	33	26	21	40	30	24	20	24	19	16	18	15	13	13	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5977	5977	5977	5977
5°	6876	5984	5285	5984
10°	7887	5954	4663	5954
15°	8519	5893	4145	5893
20°	9394	5822	3827	5822
25°	10871	5728	3552	5728
30°	11830	5629	3371	5629
35°	9979	5513	3205	5513
40°	6969	5306	3062	5306
45°	5170	5027	2922	5027
50°	4122	4736	2801	4736
55°	3498	4376	2694	4376
60°	3023	4053	2523	4053
65°	2694	3704	2172	3704
70°	2368	3393	1979	3393
75°	2049	2939	1859	2939
80°	1555	2473	1555	2473
85°	1297	1941	1467	1941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.0
10°-20°	260.1	3.0
20°-30°	412.3	4.8
30°-40°	497.2	5.8
40°-50°	444.0	5.1
50°-60°	340.5	3.9
60°-70°	221.3	2.6
70°-80°	107.6	1.2
80°-90°	29.9	0.3
90°-100°	73.8	0.9
100°-110°	454.8	5.3
110°-120°	824.9	9.5
120°-130°	1058.6	12.3
130°-140°	1138.6	13.2
140°-150°	1068.8	12.4
150°-160°	864.5	10.0
160°-170°	559.1	6.5
170°-180°	192.9	2.2
0°-30°	761.1	8.8
0°-40°	1258.3	14.6
0°-60°	2042.9	23.7
0°-90°	2401.7	27.8
90°-120°	1353.5	15.7
90°-150°	4619.5	53.5
90°-180°	6236.0	72.2
0°-180°	8637.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1061	923	815	923	1061	106
15°	1274	881	620	881	1274	365
25°	1526	804	498	804	1526	700
35°	1266	699	406	699	1266	765
45°	566	550	320	550	566	452
55°	311	389	239	389	311	282
65°	176	242	142	242	176	175
75°	82	118	74	118	82	87
85°	18	26	20	26	18	21
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	973.4	972.8	974.0	970.6	971.0	965.8	965.8	961.8	956.7	952.7	950.9
5°	1060.6	1061.4	1059.8	1054.1	1050.3	1044.6	1038.2	1026.8	1017.3	1008.2	1001.0
7.5°	1150.4	1150.9	1145.9	1144.2	1134.6	1127.6	1113.3	1097.8	1084.0	1066.5	1053.2
10°	1202.7	1202.3	1197.0	1192.8	1184.4	1173.8	1159.7	1141.5	1124.4	1105.4	1087.2
12.5°	1233.1	1232.1	1230.4	1225.3	1217.6	1208.1	1196.2	1178.3	1157.2	1136.4	1115.2
15°	1274.1	1271.4	1266.5	1260.0	1249.0	1238.0	1224.7	1208.8	1188.6	1165.1	1145.3
17.5°	1324.8	1324.9	1317.3	1308.4	1293.4	1273.9	1253.4	1227.7	1200.3	1174.4	1153.4
20°	1366.8	1365.6	1358.0	1340.6	1323.5	1299.2	1275.6	1244.1	1210.7	1176.8	1150.6
22.5°	1426.9	1424.0	1416.1	1393.1	1366.6	1335.3	1299.3	1260.8	1220.4	1182.0	1147.6
25°	1525.6	1523.3	1507.7	1481.1	1443.9	1395.6	1348.5	1295.7	1237.6	1187.1	1145.3
27.5°	1593.0	1590.5	1579.0	1556.9	1522.5	1471.8	1408.0	1337.5	1264.9	1195.4	1135.1
30°	1586.3	1592.0	1590.5	1580.3	1554.4	1508.8	1450.0	1370.6	1284.3	1202.7	1130.9
32.5°	1490.9	1496.0	1509.4	1529.5	1531.0	1512.8	1468.8	1395.5	1306.2	1213.3	1127.5
35°	1265.7	1272.6	1298.4	1339.0	1392.2	1436.7	1445.8	1406.3	1326.1	1226.2	1122.5
37.5°	973.1	1010.5	1032.2	1075.0	1155.3	1237.1	1315.7	1344.7	1310.6	1220.9	1114.4
40°	826.6	835.7	874.5	922.7	990.3	1075.4	1187.5	1268.4	1271.0	1208.8	1101.6
42.5°	707.5	719.0	745.6	784.1	842.0	927.1	1042.8	1149.6	1199.0	1175.3	1084.9
45°	566.0	574.7	594.1	623.7	668.2	738.5	838.0	961.5	1059.5	1097.8	1040.1
47.5°	465.0	469.7	486.5	509.1	542.0	593.2	670.2	777.4	895.0	977.4	969.3
50°	410.3	415.6	428.5	445.6	473.3	516.6	578.2	667.4	788.6	889.3	909.4
52.5°	367.7	372.1	380.2	396.4	419.2	452.5	502.2	583.0	692.0	799.0	845.6
55°	310.7	313.8	320.2	329.3	347.6	371.5	414.4	470.3	558.4	666.3	734.7
57.5°	263.8	265.3	269.4	277.8	290.4	307.9	338.9	386.3	449.5	546.6	622.1
60°	234.0	235.5	240.8	246.5	256.4	272.4	296.7	329.7	390.5	470.7	547.0
62.5°	210.3	211.2	213.5	219.2	227.8	240.2	259.3	286.3	334.6	405.0	477.1
65°	176.3	176.6	177.4	182.0	187.3	196.4	208.9	227.9	264.4	317.6	381.4
67.5°	143.6	144.1	146.8	148.4	153.9	158.7	166.1	180.6	206.3	242.1	291.7
70°	125.4	125.0	127.6	129.5	131.4	137.1	142.1	153.8	169.8	197.2	238.6
72.5°	108.3	107.4	108.5	109.2	111.7	115.6	120.5	127.7	140.0	158.9	190.5
75°	82.1	82.4	82.4	83.2	85.1	86.6	88.1	91.9	98.8	111.3	128.4
77.5°	57.6	57.0	58.6	58.8	59.9	61.6	62.9	64.4	67.2	72.4	81.2
80°	41.8	41.8	42.2	43.3	42.9	43.7	45.6	47.1	50.5	53.6	56.6
82.5°	32.1	31.8	32.1	32.4	32.3	33.0	33.7	34.0	35.3	36.8	39.0
85°	17.5	17.5	17.9	17.9	18.2	18.2	18.6	18.6	18.6	19.0	19.4
87.5°	13.9	13.4	12.9	12.7	12.8	13.1	12.5	11.9	11.5	11.2	11.0
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	950.9	948.8	944.8	941.2	936.6	932.7	929.9	926.6	922.3	917.2	912.9
5°	993.0	984.6	973.6	964.1	952.0	942.5	932.6	923.1	913.6	901.4	890.8
7.5°	1039.6	1022.4	1005.6	984.5	965.3	948.2	931.8	915.2	898.9	881.7	865.0
10°	1068.2	1047.3	1024.1	997.5	973.2	950.1	928.8	907.9	885.9	866.5	845.6
12.5°	1094.9	1068.0	1041.5	1007.9	978.7	950.4	923.3	897.3	873.7	848.6	826.1
15°	1119.1	1092.5	1062.9	1021.9	981.2	947.0	915.1	881.3	852.1	823.9	798.9
17.5°	1128.4	1100.6	1066.1	1026.7	982.3	939.3	898.2	861.1	826.7	793.9	765.7
20°	1124.8	1097.8	1062.5	1024.9	977.4	932.6	888.1	847.1	808.7	774.2	744.2
22.5°	1116.0	1088.1	1054.0	1014.3	969.2	921.6	874.2	830.4	790.2	754.4	721.7
25°	1102.8	1064.8	1029.8	991.1	948.2	901.1	852.1	803.8	760.9	724.4	688.7
27.5°	1089.0	1041.6	997.2	958.6	913.3	871.3	824.0	774.6	729.4	692.3	655.7
30°	1076.6	1023.4	974.4	930.7	887.8	847.9	803.0	754.8	708.5	670.1	632.9
32.5°	1061.1	1004.5	950.7	900.3	858.9	819.3	778.7	732.6	687.5	647.9	610.1
35°	1041.6	969.4	910.9	857.4	811.4	773.0	736.6	699.3	654.1	613.1	576.3
37.5°	1016.1	934.2	866.5	808.1	759.7	721.1	692.4	658.3	617.1	577.8	543.6
40°	1000.6	908.7	834.6	776.8	725.9	685.3	658.3	629.4	591.8	555.0	520.8
42.5°	979.9	885.3	802.4	742.2	691.0	651.9	624.6	599.4	567.8	533.1	496.5
45°	939.4	839.9	752.9	688.3	636.7	598.3	572.8	550.4	526.5	494.6	462.7
47.5°	886.7	792.6	701.5	631.0	580.4	544.8	520.1	502.4	485.3	458.2	427.2
50°	844.5	753.7	664.8	596.4	542.5	508.6	485.5	471.4	455.8	431.2	405.3
52.5°	794.6	713.6	626.5	556.6	505.7	474.0	451.7	437.7	424.8	404.7	380.1
55°	716.1	645.0	565.2	501.8	455.1	423.2	401.9	388.6	381.0	363.9	344.5
57.5°	625.4	574.5	504.2	443.0	401.7	370.1	354.6	343.3	334.7	322.6	308.9
60°	562.2	526.5	463.4	405.3	367.3	337.3	323.3	313.8	305.8	295.5	284.9
62.5°	498.1	472.1	417.3	367.3	332.4	307.2	294.1	285.5	276.3	269.4	259.1
65°	412.2	389.0	351.0	311.9	279.6	259.5	250.0	242.4	236.7	229.1	221.8
67.5°	320.6	311.2	285.0	258.0	234.8	216.9	208.7	203.4	196.5	192.0	187.0
70°	264.4	259.8	241.2	223.4	201.7	189.6	182.0	179.7	171.3	166.8	163.3
72.5°	214.6	212.4	201.7	189.3	174.1	163.4	156.4	153.8	148.5	144.9	142.7
75°	147.0	147.8	145.9	137.9	132.2	125.4	119.3	117.8	114.0	110.9	109.0
77.5°	93.0	96.9	97.0	96.6	94.4	90.2	87.7	86.5	82.8	81.7	81.2
80°	63.8	68.0	71.8	71.4	70.7	69.5	67.6	66.5	64.6	63.4	62.7
82.5°	42.5	46.4	49.6	51.7	51.5	50.4	49.1	48.5	48.2	47.3	47.2
85°	20.1	20.9	22.0	24.7	26.6	27.0	26.6	26.2	25.1	25.5	25.8
87.5°	10.9	10.4	10.2	9.7	8.9	9.9	10.3	10.0	10.0	9.9	9.8
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: P333676

CATALOG NUMBER: S125RDIW-S610D1560U835-4F0-1E-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: P333676

CATALOG NUMBER: S125RDIW-S610D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	909.9	905.6	902.6	896.5	892.2	890.4	887.1	886.2	889.5	887.1	886.8
5°	882.8	871.8	863.1	854.3	844.8	838.8	829.6	828.1	825.8	822.4	821.7
7.5°	850.4	836.0	824.8	810.3	797.8	787.7	776.3	770.9	767.9	763.5	757.6
10°	828.5	811.4	796.2	781.8	766.2	753.7	742.3	733.5	727.8	722.5	720.2
12.5°	806.9	789.5	770.1	752.6	735.2	721.1	708.5	702.8	696.5	690.3	685.0
15°	773.4	750.2	729.0	708.8	694.0	678.8	666.7	658.3	648.8	646.2	635.9
17.5°	737.9	715.1	690.2	669.0	651.9	635.1	621.8	612.3	605.1	595.3	590.6
20°	715.7	688.7	664.4	645.0	626.0	606.3	592.6	584.6	577.8	569.8	566.0
22.5°	692.0	665.6	640.7	618.0	598.7	579.2	569.5	561.2	553.5	546.1	541.1
25°	657.2	630.6	604.4	580.8	560.7	546.6	535.2	525.7	521.6	514.3	509.0
27.5°	622.8	594.5	567.3	543.8	528.0	514.1	504.8	497.3	489.7	483.4	478.8
30°	600.6	571.7	542.1	523.5	506.7	493.5	483.2	476.0	470.3	464.6	461.2
32.5°	578.4	548.6	522.3	502.2	486.4	474.9	464.4	457.4	451.4	445.1	441.1
35°	542.8	512.4	491.2	471.4	455.8	445.2	438.0	428.1	423.2	418.6	414.4
37.5°	509.8	481.5	458.5	441.2	427.7	417.1	407.8	402.4	396.4	392.3	388.8
40°	485.5	459.6	438.8	420.5	410.6	398.9	390.1	383.3	378.7	373.4	369.6
42.5°	463.6	439.6	419.3	402.9	390.6	380.6	372.2	365.4	359.6	355.8	352.6
45°	432.7	408.7	389.0	373.8	362.4	352.9	344.2	340.7	333.1	328.6	327.1
47.5°	400.7	379.3	360.2	346.2	334.5	325.5	317.3	310.4	306.2	301.7	299.3
50°	379.1	358.6	340.7	327.1	315.7	305.8	298.2	293.6	287.9	283.8	280.7
52.5°	357.5	338.5	320.7	307.6	297.7	287.9	279.4	274.8	269.4	266.7	264.6
55°	326.7	306.6	291.4	278.4	268.2	259.1	251.1	246.5	243.1	240.5	239.7
57.5°	291.7	275.8	261.7	250.0	239.4	230.8	223.8	219.5	216.5	216.1	213.8
60°	268.9	254.5	241.6	229.1	219.9	212.0	205.9	201.0	197.9	197.5	196.8
62.5°	246.2	232.3	220.3	209.3	201.1	193.4	187.7	182.1	180.3	178.4	176.7
65°	212.3	199.8	189.9	181.2	172.5	166.0	160.3	156.9	152.7	150.4	146.3
67.5°	179.1	169.4	159.9	152.6	145.7	139.6	134.9	129.8	127.0	125.1	122.1
70°	157.3	149.7	140.2	132.2	126.9	121.9	118.1	112.4	110.5	109.0	107.5
72.5°	136.6	129.9	121.9	115.5	110.2	105.5	101.1	98.5	96.6	95.0	94.1
75°	107.5	101.0	94.2	89.6	85.9	82.1	79.8	77.9	77.1	76.7	75.2
77.5°	78.9	75.5	70.0	66.4	63.9	62.4	60.3	59.3	59.3	57.6	57.1
80°	60.4	58.5	53.9	52.4	50.5	49.0	47.9	46.0	44.1	43.3	42.2
82.5°	44.9	43.0	41.2	38.7	37.2	36.2	35.1	34.4	34.6	33.6	33.0
85°	23.9	22.0	21.3	20.9	20.1	20.9	20.5	20.1	19.8	19.4	19.8
87.5°	10.0	10.5	10.7	11.8	11.3	12.1	12.4	12.5	12.8	13.1	13.1
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-S610D1560U835-4F0-1E-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: P333676

CATALOG NUMBER: S125RDIW-S610D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	886.5	883.1	882.2	883.4	882.2	883.1	886.5	886.8	887.1	889.5	886.2
5°	817.9	814.1	816.0	815.2	816.0	814.1	817.9	821.7	822.4	825.8	828.1
7.5°	757.5	752.8	747.8	749.4	747.8	752.8	757.5	757.6	763.5	767.9	770.9
10°	715.3	711.5	709.2	711.1	709.2	711.5	715.3	720.2	722.5	727.8	733.5
12.5°	679.7	677.5	675.5	674.7	675.5	677.5	679.7	685.0	690.3	696.5	702.8
15°	631.3	626.8	624.9	620.0	624.9	626.8	631.3	635.9	646.2	648.8	658.3
17.5°	586.7	585.2	580.3	578.2	580.3	585.2	586.7	590.6	595.3	605.1	612.3
20°	560.3	558.8	553.9	556.9	553.9	558.8	560.3	566.0	569.8	577.8	584.6
22.5°	538.4	535.1	533.5	532.6	533.5	535.1	538.4	541.1	546.1	553.5	561.2
25°	507.5	502.6	500.7	498.4	500.7	502.6	507.5	509.0	514.3	521.6	525.7
27.5°	476.7	474.0	471.5	470.9	471.5	474.0	476.7	478.8	483.4	489.7	497.3
30°	456.6	453.9	452.0	452.0	452.0	453.9	456.6	461.2	464.6	470.3	476.0
32.5°	438.7	436.6	434.7	434.4	434.7	436.6	438.7	441.1	445.1	451.4	457.4
35°	412.5	409.5	408.7	406.5	408.7	409.5	412.5	414.4	418.6	423.2	428.1
37.5°	385.4	382.9	382.8	382.6	382.8	382.9	385.4	388.8	392.3	396.4	402.4
40°	368.1	366.2	365.8	363.2	365.8	366.2	368.1	369.6	373.4	378.7	383.3
42.5°	349.6	348.6	347.3	346.1	347.3	348.6	349.6	352.6	355.8	359.6	365.4
45°	324.4	321.8	321.8	319.9	321.8	321.8	324.4	327.1	328.6	333.1	340.7
47.5°	298.4	296.4	296.6	294.6	296.6	296.4	298.4	299.3	301.7	306.2	310.4
50°	281.1	280.0	279.6	278.8	279.6	280.0	281.1	280.7	283.8	287.9	293.6
52.5°	263.8	263.3	264.7	263.0	264.7	263.3	263.8	264.6	266.7	269.4	274.8
55°	240.5	239.3	241.6	239.3	241.6	239.3	240.5	239.7	240.5	243.1	246.5
57.5°	213.6	212.6	214.6	213.5	214.6	212.6	213.6	213.8	216.1	216.5	219.5
60°	196.0	193.7	194.9	195.3	194.9	193.7	196.0	196.8	197.5	197.9	201.0
62.5°	175.0	173.7	174.5	172.8	174.5	173.7	175.0	176.7	178.4	180.3	182.1
65°	145.5	144.4	142.8	142.1	142.8	144.4	145.5	146.3	150.4	152.7	156.9
67.5°	122.2	119.5	119.4	120.0	119.4	119.5	122.2	122.1	125.1	127.0	129.8
70°	105.2	105.2	104.8	104.8	104.8	105.2	105.2	107.5	109.0	110.5	112.4
72.5°	93.4	93.1	92.4	92.1	92.4	93.1	93.4	94.1	95.0	96.6	98.5
75°	75.2	75.6	74.8	74.5	74.8	75.6	75.2	75.2	76.7	77.1	77.9
77.5°	55.5	53.9	54.8	53.9	54.8	53.9	55.5	57.1	57.6	59.3	59.3
80°	42.2	41.8	42.9	41.8	42.9	41.8	42.2	42.2	43.3	44.1	46.0
82.5°	33.4	33.0	33.5	32.7	33.5	33.0	33.4	33.0	33.6	34.6	34.4
85°	20.1	19.8	19.4	19.8	19.4	19.8	20.1	19.8	19.4	19.8	20.1
87.5°	13.6	13.5	13.7	13.9	13.7	13.5	13.6	13.1	13.1	12.8	12.5
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: P333676

CATALOG NUMBER: S125RDIW-S610D1560U835-4F0-1E-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: P333676

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	887.1	890.4	892.2	896.5	902.6	905.6	909.9	912.9	917.2	922.3	926.6
5°	829.6	838.8	844.8	854.3	863.1	871.8	882.8	890.8	901.4	913.6	923.1
7.5°	776.3	787.7	797.8	810.3	824.8	836.0	850.4	865.0	881.7	898.9	915.2
10°	742.3	753.7	766.2	781.8	796.2	811.4	828.5	845.6	866.5	885.9	907.9
12.5°	708.5	721.1	735.2	752.6	770.1	789.5	806.9	826.1	848.6	873.7	897.3
15°	666.7	678.8	694.0	708.8	729.0	750.2	773.4	798.9	823.9	852.1	881.3
17.5°	621.8	635.1	651.9	669.0	690.2	715.1	737.9	765.7	793.9	826.7	861.1
20°	592.6	606.3	626.0	645.0	664.4	688.7	715.7	744.2	774.2	808.7	847.1
22.5°	569.5	579.2	598.7	618.0	640.7	665.6	692.0	721.7	754.4	790.2	830.4
25°	535.2	546.6	560.7	580.8	604.4	630.6	657.2	688.7	724.4	760.9	803.8
27.5°	504.8	514.1	528.0	543.8	567.3	594.5	622.8	655.7	692.3	729.4	774.6
30°	483.2	493.5	506.7	523.5	542.1	571.7	600.6	632.9	670.1	708.5	754.8
32.5°	464.4	474.9	486.4	502.2	522.3	548.6	578.4	610.1	647.9	687.5	732.6
35°	438.0	445.2	455.8	471.4	491.2	512.4	542.8	576.3	613.1	654.1	699.3
37.5°	407.8	417.1	427.7	441.2	458.5	481.5	509.8	543.6	577.8	617.1	658.3
40°	390.1	398.9	410.6	420.5	438.8	459.6	485.5	520.8	555.0	591.8	629.4
42.5°	372.2	380.6	390.6	402.9	419.3	439.6	463.6	496.5	533.1	567.8	599.4
45°	344.2	352.9	362.4	373.8	389.0	408.7	432.7	462.7	494.6	526.5	550.4
47.5°	317.3	325.5	334.5	346.2	360.2	379.3	400.7	427.2	458.2	485.3	502.4
50°	298.2	305.8	315.7	327.1	340.7	358.6	379.1	405.3	431.2	455.8	471.4
52.5°	279.4	287.9	297.7	307.6	320.7	338.5	357.5	380.1	404.7	424.8	437.7
55°	251.1	259.1	268.2	278.4	291.4	306.6	326.7	344.5	363.9	381.0	388.6
57.5°	223.8	230.8	239.4	250.0	261.7	275.8	291.7	308.9	322.6	334.7	343.3
60°	205.9	212.0	219.9	229.1	241.6	254.5	268.9	284.9	295.5	305.8	313.8
62.5°	187.7	193.4	201.1	209.3	220.3	232.3	246.2	259.1	269.4	276.3	285.5
65°	160.3	166.0	172.5	181.2	189.9	199.8	212.3	221.8	229.1	236.7	242.4
67.5°	134.9	139.6	145.7	152.6	159.9	169.4	179.1	187.0	192.0	196.5	203.4
70°	118.1	121.9	126.9	132.2	140.2	149.7	157.3	163.3	166.8	171.3	179.7
72.5°	101.1	105.5	110.2	115.5	121.9	129.9	136.6	142.7	144.9	148.5	153.8
75°	79.8	82.1	85.9	89.6	94.2	101.0	107.5	109.0	110.9	114.0	117.8
77.5°	60.3	62.4	63.9	66.4	70.0	75.5	78.9	81.2	81.7	82.8	86.5
80°	47.9	49.0	50.5	52.4	53.9	58.5	60.4	62.7	63.4	64.6	66.5
82.5°	35.1	36.2	37.2	38.7	41.2	43.0	44.9	47.2	47.3	48.2	48.5
85°	20.5	20.9	20.1	20.9	21.3	22.0	23.9	25.8	25.5	25.1	26.2
87.5°	12.4	12.1	11.3	11.8	10.7	10.5	10.0	9.8	9.9	10.0	10.0
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



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CATALOG NUMBER: S125RDIW-S610D1560U835-4F0-1E-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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	929.9	932.7	936.6	941.2	944.8	948.8	950.9	950.9	952.7	956.7	961.8
5°	932.6	942.5	952.0	964.1	973.6	984.6	993.0	1001.0	1008.2	1017.3	1026.8
7.5°	931.8	948.2	965.3	984.5	1005.6	1022.4	1039.6	1053.2	1066.5	1084.0	1097.8
10°	928.8	950.1	973.2	997.5	1024.1	1047.3	1068.2	1087.2	1105.4	1124.4	1141.5
12.5°	923.3	950.4	978.7	1007.9	1041.5	1068.0	1094.9	1115.2	1136.4	1157.2	1178.3
15°	915.1	947.0	981.2	1021.9	1062.9	1092.5	1119.1	1145.3	1165.1	1188.6	1208.8
17.5°	898.2	939.3	982.3	1026.7	1066.1	1100.6	1128.4	1153.4	1174.4	1200.3	1227.7
20°	888.1	932.6	977.4	1024.9	1062.5	1097.8	1124.8	1150.6	1176.8	1210.7	1244.1
22.5°	874.2	921.6	969.2	1014.3	1054.0	1088.1	1116.0	1147.6	1182.0	1220.4	1260.8
25°	852.1	901.1	948.2	991.1	1029.8	1064.8	1102.8	1145.3	1187.1	1237.6	1295.7
27.5°	824.0	871.3	913.3	958.6	997.2	1041.6	1089.0	1135.1	1195.4	1264.9	1337.5
30°	803.0	847.9	887.8	930.7	974.4	1023.4	1076.6	1130.9	1202.7	1284.3	1370.6
32.5°	778.7	819.3	858.9	900.3	950.7	1004.5	1061.1	1127.5	1213.3	1306.2	1395.5
35°	736.6	773.0	811.4	857.4	910.9	969.4	1041.6	1122.5	1226.2	1326.1	1406.3
37.5°	692.4	721.1	759.7	808.1	866.5	934.2	1016.1	1114.4	1220.9	1310.6	1344.7
40°	658.3	685.3	725.9	776.8	834.6	908.7	1000.6	1101.6	1208.8	1271.0	1268.4
42.5°	624.6	651.9	691.0	742.2	802.4	885.3	979.9	1084.9	1175.3	1199.0	1149.6
45°	572.8	598.3	636.7	688.3	752.9	839.9	939.4	1040.1	1097.8	1059.5	961.5
47.5°	520.1	544.8	580.4	631.0	701.5	792.6	886.7	969.3	977.4	895.0	777.4
50°	485.5	508.6	542.5	596.4	664.8	753.7	844.5	909.4	889.3	788.6	667.4
52.5°	451.7	474.0	505.7	556.6	626.5	713.6	794.6	845.6	799.0	692.0	583.0
55°	401.9	423.2	455.1	501.8	565.2	645.0	716.1	734.7	666.3	558.4	470.3
57.5°	354.6	370.1	401.7	443.0	504.2	574.5	625.4	622.1	546.6	449.5	386.3
60°	323.3	337.3	367.3	405.3	463.4	526.5	562.2	547.0	470.7	390.5	329.7
62.5°	294.1	307.2	332.4	367.3	417.3	472.1	498.1	477.1	405.0	334.6	286.3
65°	250.0	259.5	279.6	311.9	351.0	389.0	412.2	381.4	317.6	264.4	227.9
67.5°	208.7	216.9	234.8	258.0	285.0	311.2	320.6	291.7	242.1	206.3	180.6
70°	182.0	189.6	201.7	223.4	241.2	259.8	264.4	238.6	197.2	169.8	153.8
72.5°	156.4	163.4	174.1	189.3	201.7	212.4	214.6	190.5	158.9	140.0	127.7
75°	119.3	125.4	132.2	137.9	145.9	147.8	147.0	128.4	111.3	98.8	91.9
77.5°	87.7	90.2	94.4	96.6	97.0	96.9	93.0	81.2	72.4	67.2	64.4
80°	67.6	69.5	70.7	71.4	71.8	68.0	63.8	56.6	53.6	50.5	47.1
82.5°	49.1	50.4	51.5	51.7	49.6	46.4	42.5	39.0	36.8	35.3	34.0
85°	26.6	27.0	26.6	24.7	22.0	20.9	20.1	19.4	19.0	18.6	18.6
87.5°	10.3	9.9	8.9	9.7	10.2	10.4	10.9	11.0	11.2	11.5	11.9
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	965.8	965.8	971.0	970.6	974.0	972.8	973.4
5°	1038.2	1044.6	1050.3	1054.1	1059.8	1061.4	1060.6
7.5°	1113.3	1127.6	1134.6	1144.2	1145.9	1150.9	1150.4
10°	1159.7	1173.8	1184.4	1192.8	1197.0	1202.3	1202.7
12.5°	1196.2	1208.1	1217.6	1225.3	1230.4	1232.1	1233.1
15°	1224.7	1238.0	1249.0	1260.0	1266.5	1271.4	1274.1
17.5°	1253.4	1273.9	1293.4	1308.4	1317.3	1324.9	1324.8
20°	1275.6	1299.2	1323.5	1340.6	1358.0	1365.6	1366.8
22.5°	1299.3	1335.3	1366.6	1393.1	1416.1	1424.0	1426.9
25°	1348.5	1395.6	1443.9	1481.1	1507.7	1523.3	1525.6
27.5°	1408.0	1471.8	1522.5	1556.9	1579.0	1590.5	1593.0
30°	1450.0	1508.8	1554.4	1580.3	1590.5	1592.0	1586.3
32.5°	1468.8	1512.8	1531.0	1529.5	1509.4	1496.0	1490.9
35°	1445.8	1436.7	1392.2	1339.0	1298.4	1272.6	1265.7
37.5°	1315.7	1237.1	1155.3	1075.0	1032.2	1010.5	973.1
40°	1187.5	1075.4	990.3	922.7	874.5	835.7	826.6
42.5°	1042.8	927.1	842.0	784.1	745.6	719.0	707.5
45°	838.0	738.5	668.2	623.7	594.1	574.7	566.0
47.5°	670.2	593.2	542.0	509.1	486.5	469.7	465.0
50°	578.2	516.6	473.3	445.6	428.5	415.6	410.3
52.5°	502.2	452.5	419.2	396.4	380.2	372.1	367.7
55°	414.4	371.5	347.6	329.3	320.2	313.8	310.7
57.5°	338.9	307.9	290.4	277.8	269.4	265.3	263.8
60°	296.7	272.4	256.4	246.5	240.8	235.5	234.0
62.5°	259.3	240.2	227.8	219.2	213.5	211.2	210.3
65°	208.9	196.4	187.3	182.0	177.4	176.6	176.3
67.5°	166.1	158.7	153.9	148.4	146.8	144.1	143.6
70°	142.1	137.1	131.4	129.5	127.6	125.0	125.4
72.5°	120.5	115.6	111.7	109.2	108.5	107.4	108.3
75°	88.1	86.6	85.1	83.2	82.4	82.4	82.1
77.5°	62.9	61.6	59.9	58.8	58.6	57.0	57.6
80°	45.6	43.7	42.9	43.3	42.2	41.8	41.8
82.5°	33.7	33.0	32.3	32.4	32.1	31.8	32.1
85°	18.6	18.2	18.2	17.9	17.9	17.5	17.5
87.5°	12.5	13.1	12.8	12.7	12.9	13.4	13.9
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)