

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1033919

Luminaire Tested: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1033919
REPORT IS A COMBINATION OF REPORTS P1000034 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1
Description: Define 4 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

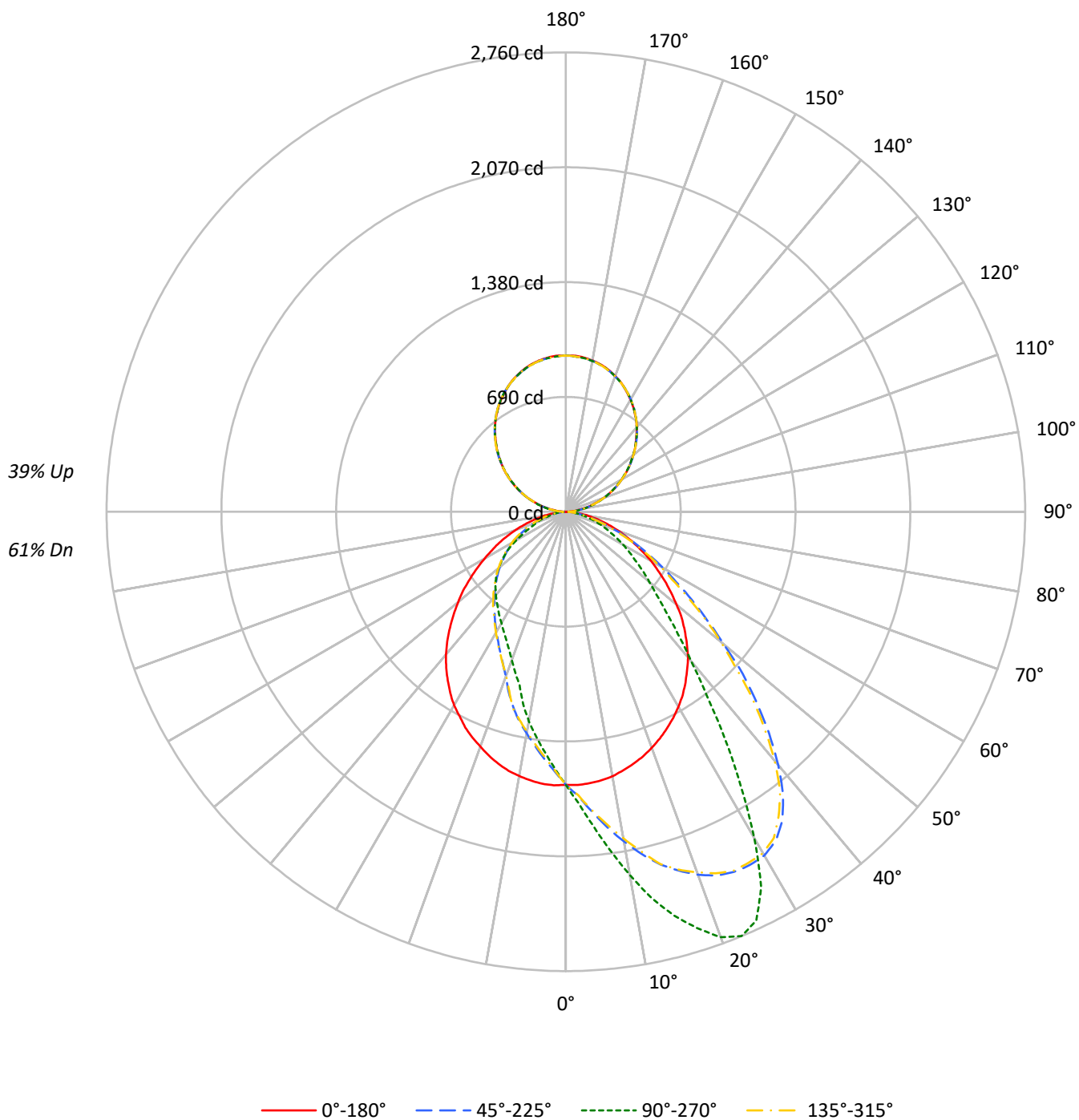
Lumens per Lamp: N/A
Luminaire Lumens: 6752.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70
Input Voltage (V):
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: 24 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61		
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	59	57	53		
2	92	85	79	74	86	80	75	70	70	66	63	62	59	56	53	51	49	45		
3	85	75	68	62	79	71	65	59	63	58	54	55	51	48	48	45	43	39		
4	78	67	59	53	73	63	56	51	56	51	46	49	45	42	43	40	37	34		
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	30		
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	35	32	29	26		
7	61	49	41	36	57	46	39	34	41	36	31	37	32	29	33	29	26	23		
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	21		
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19		
10	50	38	30	26	47	36	29	25	32	27	23	29	24	21	26	22	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13374	13374	13374	13374
5°	13375	15113	13396	11551
10°	13303	17421	13293	10045
15°	13144	19606	13144	8410
20°	12979	21258	12911	7406
25°	12777	21349	12718	6689
30°	12561	18153	12463	6196
35°	12258	13697	12102	5828
40°	11919	9926	11685	5541
45°	11360	7544	11078	5287
50°	10697	6097	10403	4915
55°	9978	5049	9651	4420
60°	9256	4269	8842	3675
65°	8351	3478	8083	2921
70°	7518	2819	7164	2373
75°	6588	2032	6132	1739
80°	5437	1347	4948	1278
85°	3944	692	3267	692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 16743 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.8	2.4
10°-20°	479.6	7.1
20°-30°	751.2	11.1
30°-40°	834.2	12.4
40°-50°	739.2	10.9
50°-60°	576.1	8.5
60°-70°	376.8	5.6
70°-80°	184.9	2.7
80°-90°	47.0	0.7
90°-100°	61.2	0.9
100°-110°	183.2	2.7
110°-120°	311.3	4.6
120°-130°	410.5	6.1
130°-140°	461.1	6.8
140°-150°	453.2	6.7
150°-160°	381.1	5.6
160°-170°	253.6	3.8
170°-180°	88.8	1.3
0°-30°	1389.6	20.6
0°-40°	2223.9	32.9
0°-60°	3539.2	52.4
0°-90°	4148.0	61.4
90°-120°	555.7	8.2
90°-150°	1880.4	27.8
90°-180°	2604.0	38.6
0°-180°	6752.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1640	1640	1640	1640	1640	
5°	1638	1895	1640	1448	1638	156
15°	1567	2511	1567	1077	1567	442
25°	1437	2708	1430	848	1437	662
35°	1253	1668	1237	710	1253	783
45°	1010	852	985	597	1010	779
55°	727	509	703	445	727	650
65°	456	297	441	250	456	455
75°	229	137	213	118	229	243
85°	54	33	45	33	54	61
90°	2	22	2	22	2	7
95°	44	57	44	57	44	47
105°	169	177	169	177	169	179
115°	316	314	316	314	316	312
125°	461	457	461	457	461	411
135°	594	595	594	595	594	460
145°	722	723	722	723	722	452
155°	827	827	827	827	827	381
165°	901	899	901	899	901	254
175°	937	933	937	933	937	89
180°	938	938	938	938	938	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1642.8	1657.3	1665.2	1671.8	1685.0	1690.3	1700.9	1703.5	1714.1	1712.8	1708.8
5°	1637.5	1662.6	1681.1	1700.9	1724.7	1737.9	1752.4	1773.6	1784.2	1798.7	1808.0
7.5°	1628.2	1662.6	1693.0	1723.4	1761.7	1782.8	1801.3	1834.4	1862.1	1885.9	1912.4
10°	1613.7	1657.3	1702.2	1743.2	1796.1	1821.2	1848.9	1897.8	1936.1	1969.2	2011.5
12.5°	1591.2	1652.0	1702.2	1757.7	1825.1	1859.5	1896.5	1954.6	1999.6	2053.8	2106.6
15°	1567.4	1634.8	1700.9	1773.6	1850.2	1889.9	1926.9	2004.9	2073.6	2135.7	2193.9
17.5°	1541.0	1615.0	1687.7	1768.3	1860.8	1909.7	1953.3	2047.2	2122.5	2203.1	2261.3
20°	1509.3	1589.9	1673.1	1763.0	1867.4	1921.6	1970.5	2077.6	2160.8	2248.0	2320.7
22.5°	1474.9	1562.1	1653.3	1751.1	1859.5	1919.0	1975.8	2090.8	2187.3	2267.9	2365.7
25°	1436.6	1529.1	1622.9	1726.0	1847.6	1912.4	1970.5	2084.2	2187.3	2293.0	2388.1
27.5°	1396.9	1492.1	1589.9	1698.3	1822.5	1885.9	1952.0	2061.7	2182.0	2296.9	2393.4
30°	1353.3	1445.8	1548.9	1652.0	1784.2	1847.6	1915.0	2033.9	2164.8	2279.8	2384.2
32.5°	1305.7	1400.9	1498.7	1605.7	1735.3	1804.0	1866.1	2000.9	2134.4	2248.0	2345.8
35°	1252.9	1342.7	1435.3	1545.0	1673.1	1735.3	1809.3	1949.4	2084.2	2204.4	2267.9
37.5°	1196.0	1282.0	1367.9	1476.2	1599.1	1674.5	1747.2	1888.6	2031.3	2111.9	2145.0
40°	1143.2	1218.5	1293.8	1398.3	1522.5	1600.5	1674.5	1821.2	1946.7	2008.8	1983.7
42.5°	1075.8	1153.8	1221.2	1317.6	1443.2	1515.9	1591.2	1743.2	1845.0	1870.1	1808.0
45°	1009.7	1074.5	1139.2	1233.1	1365.2	1427.3	1507.9	1649.4	1733.9	1711.5	1620.3
47.5°	944.9	997.8	1058.6	1149.8	1268.7	1342.7	1418.1	1541.0	1600.5	1568.7	1441.9
50°	868.3	921.2	984.6	1063.9	1178.9	1250.2	1309.7	1423.4	1468.3	1390.3	1237.0
52.5°	795.6	841.9	896.0	970.1	1079.7	1144.5	1209.3	1307.1	1321.6	1231.7	1070.5
55°	726.9	763.9	820.7	880.2	980.6	1049.4	1094.3	1177.5	1173.6	1061.2	922.5
57.5°	655.5	689.9	728.2	790.3	885.5	937.0	985.9	1058.6	1020.3	925.1	787.7
60°	592.1	611.9	650.2	709.7	790.3	835.3	873.6	913.2	880.2	777.1	671.4
62.5°	522.0	544.5	572.3	619.8	691.2	733.5	761.2	778.4	744.1	664.8	568.3
65°	456.0	475.8	504.9	547.1	601.3	633.0	647.6	659.5	641.0	551.1	474.5
67.5°	396.5	409.7	436.1	463.9	522.0	530.0	549.8	555.1	518.1	449.3	388.6
70°	337.0	350.2	362.1	395.2	421.6	436.1	440.1	440.1	403.1	358.2	307.9
72.5°	281.5	289.4	301.3	323.8	338.3	348.9	354.2	347.6	313.2	276.2	239.2
75°	228.6	232.6	243.2	257.7	269.6	265.6	264.3	256.4	231.3	204.8	183.7
77.5°	175.8	178.4	190.3	194.3	194.3	198.2	193.0	185.0	163.9	144.1	134.8
80°	132.2	136.1	137.4	140.1	137.4	137.4	133.5	120.3	109.7	100.4	93.8
82.5°	91.2	93.8	95.2	91.2	93.8	89.9	83.3	74.0	67.4	66.1	63.4
85°	54.2	55.5	54.2	54.2	50.2	48.9	43.6	42.3	39.6	39.6	38.3
87.5°	26.4	25.1	22.5	19.8	19.8	18.5	19.8	17.2	19.8	18.5	17.2
90°	2.2	4.0	5.8	7.5	9.3	10.2	10.8	12.1	13.4	14.7	16.0
92.5°	18.9	21.0	23.1	25.2	27.3	28.3	28.7	29.5	30.3	31.1	31.9
95°	43.5	45.0	46.4	47.9	49.4	50.1	50.7	51.8	52.9	54.1	55.2
97.5°	69.7	71.0	72.3	73.6	74.9	75.5	76.1	77.4	78.7	80.0	81.3
100°	101.6	102.2	102.9	103.5	104.2	104.5	105.2	106.7	108.2	109.6	111.1
102.5°	135.0	135.2	135.3	135.5	135.6	135.7	136.3	137.6	138.9	140.2	141.5
105°	169.1	169.3	169.4	169.6	169.7	169.8	170.1	170.8	171.4	172.1	172.7
107.5°	204.7	204.9	205.0	205.2	205.3	205.4	205.5	205.6	205.8	205.9	206.1
110°	241.0	241.3	241.6	241.9	242.2	242.4	242.3	242.2	242.0	241.9	241.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	278.7	278.7	278.7	278.7	278.7	278.7	278.5	278.2	277.9	277.6	277.3
115°	316.5	316.5	316.5	316.5	316.5	316.5	316.3	316.0	315.7	315.3	315.0
117.5°	352.0	352.0	352.0	352.0	352.0	352.0	351.9	351.8	351.6	351.5	351.3
120°	387.6	388.2	388.9	389.5	390.2	390.5	390.3	389.8	389.3	388.8	388.3
122.5°	424.6	424.8	424.9	425.1	425.2	425.3	425.2	425.1	424.9	424.8	424.6
125°	460.9	460.9	460.9	460.9	460.9	460.9	460.8	460.7	460.5	460.4	460.2
127.5°	493.6	494.1	494.5	495.0	495.5	495.7	495.5	495.2	494.9	494.6	494.3
130°	528.4	528.9	529.4	529.9	530.4	530.6	530.6	530.6	530.6	530.6	530.6
132.5°	564.0	564.3	564.6	564.9	565.2	565.4	565.3	565.2	565.0	564.9	564.7
135°	594.5	595.5	596.4	597.4	598.3	598.8	598.8	598.8	598.8	598.8	598.8
137.5°	628.6	629.1	629.5	630.0	630.5	630.7	630.9	631.2	631.5	631.9	632.2
140°	662.7	663.0	663.3	663.6	663.9	664.1	664.1	664.1	664.1	664.1	664.1
142.5°	693.9	694.2	694.5	694.8	695.1	695.3	695.2	695.1	694.9	694.8	694.6
145°	722.2	722.8	723.5	724.1	724.8	725.1	725.2	725.3	725.5	725.6	725.8
147.5°	751.2	752.0	752.8	753.7	754.5	754.9	754.8	754.6	754.5	754.3	754.1
150°	777.4	778.0	778.7	779.3	780.0	780.3	780.3	780.3	780.3	780.3	780.3
152.5°	802.0	802.3	802.7	803.0	803.3	803.5	803.6	803.7	803.9	804.0	804.2
155°	827.4	827.4	827.4	827.4	827.4	827.4	827.3	827.2	827.0	826.9	826.7
157.5°	849.2	848.9	848.6	848.3	848.0	847.8	847.8	847.8	847.8	847.8	847.8
160°	868.1	867.9	867.8	867.6	867.5	867.4	867.3	867.1	867.0	866.8	866.6
162.5°	885.5	885.0	884.5	884.0	883.5	883.3	883.2	883.1	882.9	882.8	882.6
165°	900.8	900.3	899.8	899.3	898.8	898.6	898.4	898.1	897.8	897.4	897.1
167.5°	913.1	912.5	911.8	911.2	910.5	910.2	910.2	910.2	910.2	910.2	910.2
170°	923.3	922.5	921.7	920.8	920.0	919.6	919.7	919.9	920.0	920.2	920.4
172.5°	930.5	929.9	929.2	928.6	927.9	927.6	927.6	927.6	927.6	927.6	927.6
175°	937.0	936.2	935.4	934.6	933.8	933.4	933.3	933.2	933.0	932.9	932.7
177.5°	940.0	939.2	938.4	937.5	936.7	936.3	936.3	936.3	936.3	936.3	936.3
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1719.4	1733.9	1735.3	1748.5	1744.5	1737.9	1749.8	1741.9	1757.7	1752.4	1759.1
5°	1819.8	1839.7	1856.9	1867.4	1885.9	1882.0	1901.8	1895.2	1909.7	1895.2	1913.7
7.5°	1937.5	1970.5	1987.7	2015.4	2023.4	2024.7	2048.5	2053.8	2063.0	2053.8	2064.3
10°	2052.4	2092.1	2131.7	2154.2	2168.7	2188.6	2209.7	2219.0	2225.6	2216.3	2222.9
12.5°	2156.9	2219.0	2262.6	2307.5	2318.1	2335.3	2357.7	2355.1	2381.5	2376.2	2388.1
15°	2253.3	2322.1	2374.9	2410.6	2439.7	2454.2	2496.5	2499.1	2497.8	2511.0	2503.1
17.5°	2339.2	2397.4	2472.7	2519.0	2554.7	2554.7	2578.4	2627.3	2623.4	2622.1	2630.0
20°	2409.3	2475.4	2545.4	2623.4	2652.5	2657.7	2690.8	2715.9	2719.9	2719.9	2719.9
22.5°	2462.1	2540.1	2615.4	2671.0	2693.4	2711.9	2741.0	2756.9	2762.1	2759.5	2762.1
25°	2488.6	2562.6	2639.2	2689.5	2702.7	2713.2	2715.9	2725.1	2723.8	2708.0	2717.2
27.5°	2493.9	2565.2	2615.4	2628.7	2622.1	2615.4	2573.2	2577.1	2565.2	2541.4	2550.7
30°	2470.1	2508.4	2507.1	2466.1	2454.2	2426.5	2388.1	2331.3	2285.0	2265.2	2271.8
32.5°	2384.2	2384.2	2336.6	2244.1	2203.1	2152.9	2084.2	2032.6	1971.8	1958.6	1983.7
35°	2265.2	2197.8	2110.6	1989.0	1926.9	1889.9	1770.9	1733.9	1682.4	1667.9	1679.8
37.5°	2080.2	1967.9	1841.0	1727.3	1674.5	1608.4	1504.0	1451.1	1414.1	1389.0	1400.9
40°	1872.7	1736.6	1604.4	1464.3	1406.2	1352.0	1274.0	1226.4	1167.0	1169.6	1173.6
42.5°	1674.5	1514.6	1366.5	1237.0	1181.5	1136.6	1082.4	1024.2	1003.1	996.5	989.9
45°	1464.3	1293.8	1155.1	1058.6	1008.4	966.1	915.9	882.8	857.7	852.4	859.0
47.5°	1266.1	1122.0	989.9	900.0	859.0	837.9	798.2	767.9	752.0	738.8	746.7
50°	1086.4	951.6	845.8	770.5	741.4	726.9	689.9	674.0	658.2	654.2	652.9
52.5°	938.3	823.4	732.2	671.4	648.9	641.0	613.2	590.8	577.5	581.5	584.1
55°	803.5	705.7	634.4	585.5	567.0	557.7	537.9	522.0	512.8	508.8	511.5
57.5°	684.6	600.0	548.5	508.8	494.3	490.3	469.2	463.9	457.3	453.3	453.3
60°	576.2	516.7	469.2	446.7	430.8	426.9	411.0	404.4	403.1	399.1	396.5
62.5°	485.0	436.1	403.1	379.3	372.7	371.4	360.8	352.9	348.9	346.3	346.3
65°	405.7	370.0	342.3	325.1	319.8	317.2	305.3	302.6	300.0	297.4	296.0
67.5°	338.3	306.6	286.8	274.9	268.3	269.6	263.0	257.7	257.7	256.4	255.1
70°	273.6	253.7	236.6	230.0	227.3	224.7	222.0	218.1	216.7	216.7	216.7
72.5°	215.4	202.2	193.0	189.0	186.3	183.7	181.1	181.1	181.1	179.7	179.7
75°	165.2	159.9	153.3	149.3	149.3	152.0	148.0	144.1	140.1	137.4	138.8
77.5°	124.2	121.6	117.6	111.0	112.3	109.7	109.7	107.0	108.4	108.4	105.7
80°	91.2	87.2	85.9	81.9	83.3	81.9	80.6	80.6	78.0	78.0	78.0
82.5°	63.4	59.5	59.5	58.2	56.8	56.8	55.5	55.5	56.8	54.2	54.2
85°	38.3	37.0	37.0	34.4	34.4	34.4	34.4	35.7	34.4	33.0	33.0
87.5°	17.2	18.5	17.2	15.9	15.9	15.9	14.5	14.5	13.2	14.5	14.5
90°	17.0	17.9	18.9	19.8	20.3	20.5	20.8	21.1	21.5	21.8	21.5
92.5°	32.4	32.9	33.4	33.9	34.1	34.2	34.3	34.5	34.6	34.8	34.6
95°	55.7	56.1	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3
97.5°	81.9	82.6	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
100°	111.4	111.7	112.0	112.3	112.5	112.5	112.5	112.5	112.5	112.5	112.5
102.5°	142.0	142.5	143.0	143.5	143.7	143.8	143.9	144.1	144.2	144.4	144.2
105°	173.2	173.7	174.2	174.7	174.9	175.1	175.6	176.1	176.6	177.1	176.6
107.5°	206.7	207.4	208.0	208.7	209.0	208.9	208.8	208.6	208.5	208.3	208.5
110°	241.4	241.1	240.8	240.5	240.3	240.5	241.0	241.5	241.9	242.4	241.9

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3
115°	314.8	314.7	314.5	314.4	314.3	314.2	314.1	313.9	313.8	313.6	313.8
117.5°	350.8	350.3	349.8	349.3	349.1	348.9	348.4	347.9	347.4	346.9	347.4
120°	387.5	386.7	385.9	385.1	384.7	384.9	385.2	385.5	385.8	386.1	385.8
122.5°	424.1	423.6	423.1	422.6	422.4	422.0	421.2	420.4	419.6	418.8	419.6
125°	459.9	459.5	459.2	458.9	458.7	458.5	458.2	457.9	457.6	457.3	457.6
127.5°	494.0	493.6	493.3	493.0	492.8	492.7	492.6	492.4	492.3	492.1	492.3
130°	530.3	529.9	529.6	529.3	529.1	528.8	528.1	527.5	526.8	526.2	526.8
132.5°	564.4	564.0	563.7	563.4	563.2	563.1	563.0	562.8	562.7	562.5	562.7
135°	598.5	598.2	597.9	597.6	597.4	597.2	596.7	596.2	595.7	595.2	595.7
137.5°	631.7	631.2	630.7	630.2	630.0	630.1	630.2	630.4	630.5	630.7	630.5
140°	663.9	663.8	663.6	663.5	663.4	663.3	663.2	663.0	662.9	662.7	662.9
142.5°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6
145°	725.6	725.5	725.3	725.2	725.1	724.9	724.4	723.9	723.4	722.9	723.4
147.5°	753.9	753.8	753.6	753.5	753.4	753.3	753.2	753.0	752.9	752.7	752.9
150°	780.3	780.3	780.3	780.3	780.3	780.2	780.0	779.9	779.7	779.5	779.7
152.5°	804.7	805.2	805.7	806.2	806.4	806.2	805.7	805.2	804.7	804.2	804.7
155°	827.3	828.0	828.6	829.3	829.6	829.3	828.6	828.0	827.3	826.7	827.3
157.5°	848.3	848.7	849.2	849.7	849.9	849.7	849.2	848.7	848.3	847.8	848.3
160°	867.1	867.6	868.1	868.6	868.8	868.4	867.6	866.8	866.0	865.2	866.0
162.5°	883.6	884.6	885.5	886.5	887.0	886.6	885.8	884.9	884.1	883.3	884.1
165°	898.1	899.1	900.0	901.0	901.5	901.2	900.5	899.9	899.2	898.6	899.2
167.5°	911.2	912.1	913.1	914.0	914.5	914.0	913.1	912.1	911.2	910.2	911.2
170°	921.4	922.3	923.3	924.2	924.7	924.1	923.0	921.9	920.7	919.6	920.7
172.5°	928.7	929.9	931.0	932.1	932.7	932.1	931.0	929.9	928.7	927.6	928.7
175°	933.8	935.0	936.1	937.2	937.8	937.2	936.1	935.0	933.8	932.7	933.8
177.5°	937.4	938.6	939.7	940.8	941.4	940.8	939.5	938.2	936.9	935.6	936.9
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1763.0	1753.8	1752.4	1752.4	1737.9	1745.8	1730.0	1712.8	1704.9	1704.9	1690.3
5°	1909.7	1900.5	1891.2	1876.7	1876.7	1868.7	1843.6	1818.5	1800.0	1784.2	1767.0
7.5°	2060.4	2051.1	2024.7	2010.2	2018.1	2002.2	1969.2	1926.9	1895.2	1870.1	1834.4
10°	2224.3	2199.1	2185.9	2178.0	2150.2	2133.1	2094.7	2032.6	1993.0	1959.9	1913.7
12.5°	2357.7	2365.7	2315.4	2319.4	2291.7	2267.9	2208.4	2148.9	2089.5	2043.2	1974.5
15°	2501.8	2478.0	2447.6	2423.8	2414.6	2385.5	2335.3	2256.0	2191.2	2118.5	2040.6
17.5°	2615.4	2596.9	2567.9	2545.4	2525.6	2455.5	2413.2	2343.2	2254.7	2183.3	2088.1
20°	2711.9	2694.7	2653.8	2639.2	2603.6	2553.3	2492.5	2384.2	2304.9	2226.9	2134.4
22.5°	2752.9	2735.7	2700.0	2681.5	2659.1	2610.2	2552.0	2448.9	2351.1	2253.3	2155.5
25°	2718.5	2718.5	2701.4	2694.7	2674.9	2631.3	2571.8	2484.6	2380.2	2274.5	2158.2
27.5°	2552.0	2585.1	2596.9	2603.6	2603.6	2604.9	2563.9	2479.3	2377.6	2274.5	2152.9
30°	2311.5	2367.0	2415.9	2430.4	2455.5	2483.3	2500.5	2459.5	2368.3	2259.9	2138.4
32.5°	2008.8	2080.2	2171.4	2193.9	2228.2	2311.5	2357.7	2374.9	2324.7	2229.5	2100.0
35°	1707.5	1797.4	1852.9	1921.6	1953.3	2076.2	2179.3	2241.4	2229.5	2172.7	2055.1
37.5°	1444.5	1496.1	1563.5	1636.1	1699.6	1817.2	1945.4	2065.7	2114.6	2086.8	1998.3
40°	1192.1	1252.9	1333.5	1393.0	1436.6	1554.2	1712.8	1843.6	1950.7	1967.9	1913.7
42.5°	1013.7	1074.5	1123.4	1188.1	1222.5	1336.1	1476.2	1640.1	1767.0	1834.4	1810.6
45°	876.2	913.2	952.9	989.9	1032.2	1132.6	1262.1	1441.9	1584.6	1679.8	1689.0
47.5°	756.0	789.0	823.4	857.7	881.5	959.5	1078.4	1225.1	1381.1	1511.9	1563.5
50°	671.4	687.2	712.3	732.2	759.9	827.3	922.5	1049.4	1214.6	1356.0	1423.4
52.5°	588.1	607.9	627.8	644.9	663.4	711.0	798.2	907.9	1050.7	1196.0	1279.3
55°	518.1	533.9	552.4	564.3	574.9	617.2	683.3	767.9	890.8	1028.2	1131.3
57.5°	461.2	467.8	483.7	490.3	502.2	536.6	584.1	659.5	758.6	892.1	976.7
60°	399.1	412.3	424.2	429.5	438.8	462.6	495.6	565.6	651.5	749.3	845.8
62.5°	348.9	354.2	363.4	370.0	376.7	401.8	429.5	482.4	547.1	629.1	717.6
65°	302.6	305.3	310.6	319.8	323.8	342.3	358.2	396.5	457.3	519.4	607.9
67.5°	255.1	257.7	264.3	269.6	273.6	285.5	302.6	330.4	363.4	432.2	481.1
70°	218.1	218.1	222.0	224.7	228.6	233.9	243.2	264.3	294.7	338.3	383.3
72.5°	182.4	182.4	182.4	186.3	186.3	190.3	195.6	210.1	231.3	265.6	294.7
75°	141.4	142.7	145.4	145.4	146.7	152.0	155.9	159.9	170.5	193.0	219.4
77.5°	107.0	109.7	111.0	108.4	111.0	111.0	116.3	121.6	126.9	133.5	153.3
80°	79.3	80.6	78.0	79.3	79.3	81.9	84.6	83.3	85.9	93.8	99.1
82.5°	52.9	54.2	54.2	54.2	54.2	58.2	58.2	56.8	58.2	59.5	60.8
85°	33.0	31.7	31.7	33.0	31.7	31.7	33.0	34.4	33.0	34.4	35.7
87.5°	14.5	14.5	14.5	14.5	13.2	13.2	14.5	13.2	14.5	13.2	11.9
90°	21.1	20.8	20.5	20.3	19.8	18.9	17.9	17.0	16.0	14.7	13.4
92.5°	34.5	34.3	34.2	34.1	33.9	33.4	32.9	32.4	31.9	31.1	30.3
95°	57.3	57.3	57.3	57.3	57.1	56.6	56.1	55.7	55.2	54.1	52.9
97.5°	84.2	84.2	84.2	84.2	83.9	83.2	82.6	81.9	81.3	80.0	78.7
100°	112.5	112.5	112.5	112.5	112.3	112.0	111.7	111.4	111.1	109.6	108.2
102.5°	144.1	143.9	143.8	143.7	143.5	143.0	142.5	142.0	141.5	140.2	138.9
105°	176.1	175.6	175.1	174.9	174.7	174.2	173.7	173.2	172.7	172.1	171.4
107.5°	208.6	208.8	208.9	209.0	208.7	208.0	207.4	206.7	206.1	205.9	205.8
110°	241.5	241.0	240.5	240.3	240.5	240.8	241.1	241.4	241.7	241.9	242.0

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.6	277.9
115°	313.9	314.1	314.2	314.3	314.4	314.5	314.7	314.8	315.0	315.3	315.7
117.5°	347.9	348.4	348.9	349.1	349.3	349.8	350.3	350.8	351.3	351.5	351.6
120°	385.5	385.2	384.9	384.7	385.1	385.9	386.7	387.5	388.3	388.8	389.3
122.5°	420.4	421.2	422.0	422.4	422.6	423.1	423.6	424.1	424.6	424.8	424.9
125°	457.9	458.2	458.5	458.7	458.9	459.2	459.5	459.9	460.2	460.4	460.5
127.5°	492.4	492.6	492.7	492.8	493.0	493.3	493.6	494.0	494.3	494.6	494.9
130°	527.5	528.1	528.8	529.1	529.3	529.6	529.9	530.3	530.6	530.6	530.6
132.5°	562.8	563.0	563.1	563.2	563.4	563.7	564.0	564.4	564.7	564.9	565.0
135°	596.2	596.7	597.2	597.4	597.6	597.9	598.2	598.5	598.8	598.8	598.8
137.5°	630.4	630.2	630.1	630.0	630.2	630.7	631.2	631.7	632.2	631.9	631.5
140°	663.0	663.2	663.3	663.4	663.5	663.6	663.8	663.9	664.1	664.1	664.1
142.5°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.8	694.9
145°	723.9	724.4	724.9	725.1	725.2	725.3	725.5	725.6	725.8	725.6	725.5
147.5°	753.0	753.2	753.3	753.4	753.5	753.6	753.8	753.9	754.1	754.3	754.5
150°	779.9	780.0	780.2	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3
152.5°	805.2	805.7	806.2	806.4	806.2	805.7	805.2	804.7	804.2	804.0	803.9
155°	828.0	828.6	829.3	829.6	829.3	828.6	828.0	827.3	826.7	826.9	827.0
157.5°	848.7	849.2	849.7	849.9	849.7	849.2	848.7	848.3	847.8	847.8	847.8
160°	866.8	867.6	868.4	868.8	868.6	868.1	867.6	867.1	866.6	866.8	867.0
162.5°	884.9	885.8	886.6	887.0	886.5	885.5	884.6	883.6	882.6	882.8	882.9
165°	899.9	900.5	901.2	901.5	901.0	900.0	899.1	898.1	897.1	897.4	897.8
167.5°	912.1	913.1	914.0	914.5	914.0	913.1	912.1	911.2	910.2	910.2	910.2
170°	921.9	923.0	924.1	924.7	924.2	923.3	922.3	921.4	920.4	920.2	920.0
172.5°	929.9	931.0	932.1	932.7	932.1	931.0	929.9	928.7	927.6	927.6	927.6
175°	935.0	936.1	937.2	937.8	937.2	936.1	935.0	933.8	932.7	932.9	933.0
177.5°	938.2	939.5	940.8	941.4	940.8	939.7	938.6	937.4	936.3	936.3	936.3
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1682.4	1675.8	1671.8	1670.5	1658.6	1652.0	1648.0	1645.4	1641.4	1630.9	1621.6
5°	1745.8	1727.3	1718.1	1707.5	1689.0	1667.9	1650.7	1640.1	1626.9	1605.7	1585.9
7.5°	1805.3	1777.6	1759.1	1744.5	1712.8	1678.4	1650.7	1628.2	1603.1	1574.0	1546.3
10°	1867.4	1822.5	1798.7	1776.2	1730.0	1685.0	1645.4	1612.4	1576.7	1538.3	1507.9
12.5°	1916.3	1856.9	1830.4	1798.7	1741.9	1689.0	1638.8	1593.9	1547.6	1506.6	1463.0
15°	1973.2	1899.1	1868.7	1827.8	1749.8	1681.1	1616.3	1567.4	1519.8	1459.0	1412.8
17.5°	2006.2	1920.3	1876.7	1841.0	1756.4	1673.1	1597.8	1537.0	1481.5	1420.7	1371.8
20°	2039.2	1941.4	1892.5	1842.3	1741.9	1653.3	1574.0	1501.3	1443.2	1377.1	1326.9
22.5°	2049.8	1936.1	1884.6	1838.3	1732.6	1633.5	1542.3	1468.3	1400.9	1334.8	1278.0
25°	2049.8	1934.8	1874.0	1814.6	1703.5	1601.8	1510.6	1430.0	1354.6	1288.6	1231.7
27.5°	2028.7	1908.4	1845.0	1790.8	1675.8	1566.1	1472.3	1383.7	1311.0	1244.9	1180.2
30°	2002.2	1870.1	1806.6	1741.9	1630.9	1526.5	1424.7	1342.7	1266.1	1190.8	1132.6
32.5°	1969.2	1829.1	1759.1	1693.0	1575.3	1467.0	1373.1	1292.5	1219.8	1141.9	1077.1
35°	1921.6	1768.3	1690.3	1632.2	1518.5	1406.2	1316.3	1237.0	1167.0	1086.4	1016.3
37.5°	1860.8	1712.8	1633.5	1562.1	1444.5	1341.4	1256.8	1180.2	1111.5	1037.5	959.5
40°	1789.4	1634.8	1566.1	1490.8	1366.5	1268.7	1189.4	1120.7	1052.0	982.0	906.6
42.5°	1708.8	1555.5	1478.9	1406.2	1287.2	1190.8	1116.8	1054.6	991.2	926.4	845.8
45°	1612.4	1468.3	1394.3	1325.6	1210.6	1111.5	1044.1	984.6	930.4	864.3	793.0
47.5°	1504.0	1378.4	1303.1	1229.1	1116.8	1030.8	964.8	914.5	868.3	802.2	737.5
50°	1398.3	1274.0	1213.2	1137.9	1034.8	954.2	886.8	844.5	808.8	744.1	685.9
52.5°	1264.8	1170.9	1112.8	1048.0	948.9	867.0	814.1	777.1	734.8	684.6	633.0
55°	1147.2	1059.9	1013.7	952.9	855.1	782.4	737.5	703.1	670.1	625.1	584.1
57.5°	1013.7	959.5	913.2	860.4	763.9	701.8	662.1	633.0	602.7	565.6	532.6
60°	873.6	848.5	803.5	761.2	679.3	625.1	592.1	565.6	536.6	506.2	478.4
62.5°	749.3	734.8	708.4	675.3	598.7	552.4	519.4	499.6	478.4	450.7	424.2
65°	631.7	625.1	600.0	576.2	523.4	482.4	453.3	441.4	417.6	396.5	372.7
67.5°	527.3	519.4	504.9	494.3	449.3	411.0	396.5	380.6	360.8	344.9	325.1
70°	421.6	420.3	411.0	397.8	374.0	346.3	331.7	321.1	301.3	289.4	274.9
72.5°	327.8	334.4	326.4	321.1	305.3	285.5	272.2	265.6	249.8	240.5	230.0
75°	244.5	249.8	253.7	244.5	240.5	231.3	219.4	212.8	204.8	191.6	187.7
77.5°	166.5	178.4	178.4	181.1	182.4	177.1	167.8	162.6	153.3	150.7	145.4
80°	109.7	120.3	121.6	124.2	128.2	128.2	121.6	120.3	111.0	109.7	105.7
82.5°	63.4	72.7	78.0	81.9	80.6	85.9	80.6	79.3	74.0	74.0	71.4
85°	34.4	35.7	38.3	41.0	43.6	46.3	46.3	44.9	43.6	42.3	39.6
87.5°	13.2	13.2	14.5	13.2	14.5	17.2	18.5	18.5	17.2	15.9	13.2
90°	12.1	10.8	10.2	9.3	7.5	5.8	4.0	2.2	4.0	5.8	7.5
92.5°	29.5	28.7	28.3	27.3	25.2	23.1	21.0	18.9	21.0	23.1	25.2
95°	51.8	50.7	50.1	49.4	47.9	46.4	45.0	43.5	45.0	46.4	47.9
97.5°	77.4	76.1	75.5	74.9	73.6	72.3	71.0	69.7	71.0	72.3	73.6
100°	106.7	105.2	104.5	104.2	103.5	102.9	102.2	101.6	102.2	102.9	103.5
102.5°	137.6	136.3	135.7	135.6	135.5	135.3	135.2	135.0	135.2	135.3	135.5
105°	170.8	170.1	169.8	169.7	169.6	169.4	169.3	169.1	169.3	169.4	169.6
107.5°	205.6	205.5	205.4	205.3	205.2	205.0	204.9	204.7	204.9	205.0	205.2
110°	242.2	242.3	242.4	242.2	241.9	241.6	241.3	241.0	241.3	241.6	241.9

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	278.2	278.5	278.7	278.7	278.7	278.7	278.7	278.7	278.7	278.7	278.7
115°	316.0	316.3	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
117.5°	351.8	351.9	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
120°	389.8	390.3	390.5	390.2	389.5	388.9	388.2	387.6	388.2	388.9	389.5
122.5°	425.1	425.2	425.3	425.2	425.1	424.9	424.8	424.6	424.8	424.9	425.1
125°	460.7	460.8	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9	460.9
127.5°	495.2	495.5	495.7	495.5	495.0	494.5	494.1	493.6	494.1	494.5	495.0
130°	530.6	530.6	530.6	530.4	529.9	529.4	528.9	528.4	528.9	529.4	529.9
132.5°	565.2	565.3	565.4	565.2	564.9	564.6	564.3	564.0	564.3	564.6	564.9
135°	598.8	598.8	598.8	598.3	597.4	596.4	595.5	594.5	595.5	596.4	597.4
137.5°	631.2	630.9	630.7	630.5	630.0	629.5	629.1	628.6	629.1	629.5	630.0
140°	664.1	664.1	664.1	663.9	663.6	663.3	663.0	662.7	663.0	663.3	663.6
142.5°	695.1	695.2	695.3	695.1	694.8	694.5	694.2	693.9	694.2	694.5	694.8
145°	725.3	725.2	725.1	724.8	724.1	723.5	722.8	722.2	722.8	723.5	724.1
147.5°	754.6	754.8	754.9	754.5	753.7	752.8	752.0	751.2	752.0	752.8	753.7
150°	780.3	780.3	780.3	780.0	779.3	778.7	778.0	777.4	778.0	778.7	779.3
152.5°	803.7	803.6	803.5	803.3	803.0	802.7	802.3	802.0	802.3	802.7	803.0
155°	827.2	827.3	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4
157.5°	847.8	847.8	847.8	848.0	848.3	848.6	848.9	849.2	848.9	848.6	848.3
160°	867.1	867.3	867.4	867.5	867.6	867.8	867.9	868.1	867.9	867.8	867.6
162.5°	883.1	883.2	883.3	883.5	884.0	884.5	885.0	885.5	885.0	884.5	884.0
165°	898.1	898.4	898.6	898.8	899.3	899.8	900.3	900.8	900.3	899.8	899.3
167.5°	910.2	910.2	910.2	910.5	911.2	911.8	912.5	913.1	912.5	911.8	911.2
170°	919.9	919.7	919.6	920.0	920.8	921.7	922.5	923.3	922.5	921.7	920.8
172.5°	927.6	927.6	927.6	927.9	928.6	929.2	929.9	930.5	929.9	929.2	928.6
175°	933.2	933.3	933.4	933.8	934.6	935.4	936.2	937.0	936.2	935.4	934.6
177.5°	936.3	936.3	936.3	936.7	937.5	938.4	939.2	940.0	939.2	938.4	937.5
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1613.7	1611.0	1608.4	1597.8	1588.6	1572.7	1559.5	1554.2	1552.9	1554.2	1550.2
5°	1567.4	1566.1	1556.8	1538.3	1521.2	1502.7	1489.4	1476.2	1468.3	1468.3	1459.0
7.5°	1523.8	1514.6	1506.6	1482.8	1463.0	1437.9	1418.1	1406.2	1399.6	1385.0	1385.0
10°	1477.6	1464.3	1453.8	1431.3	1402.2	1377.1	1352.0	1337.5	1325.6	1315.0	1311.0
12.5°	1431.3	1420.7	1400.9	1377.1	1348.0	1316.3	1289.9	1279.3	1251.6	1229.1	1230.4
15°	1387.7	1363.9	1354.6	1320.3	1285.9	1255.5	1217.2	1186.8	1164.3	1149.8	1131.3
17.5°	1338.8	1315.0	1297.8	1268.7	1223.8	1176.2	1139.2	1098.3	1075.8	1050.7	1038.8
20°	1284.6	1264.8	1251.6	1205.3	1151.1	1094.3	1053.3	1028.2	1003.1	984.6	974.0
22.5°	1238.3	1213.2	1197.4	1135.3	1075.8	1019.0	987.2	966.1	944.9	929.1	923.8
25°	1178.9	1164.3	1126.0	1071.8	999.1	960.8	933.1	905.3	893.4	882.8	870.9
27.5°	1130.0	1094.3	1067.9	996.5	951.6	907.9	880.2	859.0	844.5	833.9	824.7
30°	1069.2	1036.1	999.1	939.7	898.7	857.7	832.6	815.4	799.6	793.0	785.0
32.5°	1005.7	975.3	939.7	892.1	841.9	810.1	790.3	771.8	761.2	754.6	745.4
35°	948.9	910.6	886.8	841.9	800.9	765.2	746.7	730.8	719.0	716.3	715.0
37.5°	888.1	859.0	836.6	790.3	756.0	725.6	708.4	691.2	684.6	683.3	678.0
40°	835.3	810.1	789.0	745.4	708.4	680.6	667.4	656.8	650.2	650.2	648.9
42.5°	789.0	762.6	741.4	701.8	668.7	643.6	629.1	618.5	615.9	617.2	615.9
45°	737.5	715.0	693.8	652.9	625.1	606.6	590.8	585.5	581.5	582.8	584.1
47.5°	688.6	670.1	648.9	615.9	584.1	564.3	555.1	549.8	549.8	549.8	552.4
50°	644.9	623.8	605.3	570.9	541.9	526.0	518.1	511.5	512.8	514.1	515.4
52.5°	593.4	574.9	561.7	527.3	506.2	486.3	477.1	478.4	477.1	477.1	479.7
55°	548.5	530.0	516.7	485.0	463.9	450.7	442.7	438.8	440.1	437.5	442.7
57.5°	498.2	482.4	473.1	442.7	424.2	412.3	405.7	399.1	401.8	400.4	399.1
60°	454.6	436.1	421.6	400.4	384.6	370.0	366.1	359.5	362.1	359.5	358.2
62.5°	404.4	389.9	379.3	358.2	344.9	333.0	323.8	319.8	318.5	314.5	310.6
65°	354.2	346.3	335.7	314.5	301.3	292.1	286.8	282.8	281.5	270.9	259.0
67.5°	307.9	302.6	292.1	276.2	264.3	255.1	247.1	240.5	232.6	224.7	218.1
70°	264.3	256.4	249.8	235.2	224.7	215.4	207.5	199.6	195.6	187.7	185.0
72.5°	222.0	214.1	207.5	194.3	185.0	175.8	173.1	163.9	159.9	158.6	158.6
75°	178.4	171.8	167.8	155.9	148.0	141.4	137.4	134.8	132.2	129.5	125.6
77.5°	136.1	132.2	129.5	121.6	115.0	111.0	109.7	100.4	97.8	95.2	92.5
80°	99.1	97.8	95.2	88.5	85.9	76.7	76.7	74.0	72.7	72.7	72.7
82.5°	67.4	64.8	63.4	56.8	55.5	54.2	52.9	51.5	52.9	51.5	52.9
85°	35.7	34.4	33.0	33.0	33.0	33.0	33.0	33.0	33.0	31.7	33.0
87.5°	13.2	13.2	13.2	13.2	11.9	13.2	13.2	11.9	13.2	13.2	13.2
90°	9.3	10.2	10.8	12.1	13.4	14.7	16.0	17.0	17.9	18.9	19.8
92.5°	27.3	28.3	28.7	29.5	30.3	31.1	31.9	32.4	32.9	33.4	33.9
95°	49.4	50.1	50.7	51.8	52.9	54.1	55.2	55.7	56.1	56.6	57.1
97.5°	74.9	75.5	76.1	77.4	78.7	80.0	81.3	81.9	82.6	83.2	83.9
100°	104.2	104.5	105.2	106.7	108.2	109.6	111.1	111.4	111.7	112.0	112.3
102.5°	135.6	135.7	136.3	137.6	138.9	140.2	141.5	142.0	142.5	143.0	143.5
105°	169.7	169.8	170.1	170.8	171.4	172.1	172.7	173.2	173.7	174.2	174.7
107.5°	205.3	205.4	205.5	205.6	205.8	205.9	206.1	206.7	207.4	208.0	208.7
110°	242.2	242.4	242.3	242.2	242.0	241.9	241.7	241.4	241.1	240.8	240.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	278.7	278.7	278.5	278.2	277.9	277.6	277.3	277.3	277.3	277.3	277.3
115°	316.5	316.5	316.3	316.0	315.7	315.3	315.0	314.8	314.7	314.5	314.4
117.5°	352.0	352.0	351.9	351.8	351.6	351.5	351.3	350.8	350.3	349.8	349.3
120°	390.2	390.5	390.3	389.8	389.3	388.8	388.3	387.5	386.7	385.9	385.1
122.5°	425.2	425.3	425.2	425.1	424.9	424.8	424.6	424.1	423.6	423.1	422.6
125°	460.9	460.9	460.8	460.7	460.5	460.4	460.2	459.9	459.5	459.2	458.9
127.5°	495.5	495.7	495.5	495.2	494.9	494.6	494.3	494.0	493.6	493.3	493.0
130°	530.4	530.6	530.6	530.6	530.6	530.6	530.6	530.3	529.9	529.6	529.3
132.5°	565.2	565.4	565.3	565.2	565.0	564.9	564.7	564.4	564.0	563.7	563.4
135°	598.3	598.8	598.8	598.8	598.8	598.8	598.8	598.5	598.2	597.9	597.6
137.5°	630.5	630.7	630.9	631.2	631.5	631.9	632.2	631.7	631.2	630.7	630.2
140°	663.9	664.1	664.1	664.1	664.1	664.1	664.1	663.9	663.8	663.6	663.5
142.5°	695.1	695.3	695.2	695.1	694.9	694.8	694.6	694.6	694.6	694.6	694.6
145°	724.8	725.1	725.2	725.3	725.5	725.6	725.8	725.6	725.5	725.3	725.2
147.5°	754.5	754.9	754.8	754.6	754.5	754.3	754.1	753.9	753.8	753.6	753.5
150°	780.0	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3
152.5°	803.3	803.5	803.6	803.7	803.9	804.0	804.2	804.7	805.2	805.7	806.2
155°	827.4	827.4	827.3	827.2	827.0	826.9	826.7	827.3	828.0	828.6	829.3
157.5°	848.0	847.8	847.8	847.8	847.8	847.8	847.8	848.3	848.7	849.2	849.7
160°	867.5	867.4	867.3	867.1	867.0	866.8	866.6	867.1	867.6	868.1	868.6
162.5°	883.5	883.3	883.2	883.1	882.9	882.8	882.6	883.6	884.6	885.5	886.5
165°	898.8	898.6	898.4	898.1	897.8	897.4	897.1	898.1	899.1	900.0	901.0
167.5°	910.5	910.2	910.2	910.2	910.2	910.2	910.2	911.2	912.1	913.1	914.0
170°	920.0	919.6	919.7	919.9	920.0	920.2	920.4	921.4	922.3	923.3	924.2
172.5°	927.9	927.6	927.6	927.6	927.6	927.6	927.6	928.7	929.9	931.0	932.1
175°	933.8	933.4	933.3	933.2	933.0	932.9	932.7	933.8	935.0	936.1	937.2
177.5°	936.7	936.3	936.3	936.3	936.3	936.3	936.3	937.4	938.6	939.7	940.8
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1550.2	1555.5	1548.9	1552.9	1543.6	1542.3	1543.6	1543.6	1545.0	1546.3	1547.6
5°	1463.0	1461.7	1453.8	1448.5	1444.5	1448.5	1451.1	1453.8	1451.1	1453.8	1455.1
7.5°	1381.1	1377.1	1373.1	1363.9	1366.5	1363.9	1371.8	1367.9	1367.9	1374.5	1379.8
10°	1308.4	1300.5	1297.8	1287.2	1279.3	1278.0	1287.2	1291.2	1295.2	1297.8	1308.4
12.5°	1214.6	1202.7	1193.4	1197.4	1174.9	1184.2	1186.8	1181.5	1197.4	1215.9	1205.3
15°	1114.1	1115.4	1096.9	1090.3	1071.8	1077.1	1078.4	1091.6	1104.9	1103.5	1119.4
17.5°	1040.1	1032.2	1016.3	1015.0	1007.1	1011.0	1009.7	1020.3	1016.3	1022.9	1036.1
20°	971.4	966.1	952.9	947.6	950.2	947.6	948.9	950.2	954.2	968.7	966.1
22.5°	917.2	910.6	910.6	904.0	896.0	893.4	900.0	904.0	909.3	911.9	918.5
25°	869.6	864.3	857.7	853.8	847.1	848.5	852.4	857.7	861.7	867.0	872.3
27.5°	820.7	820.7	814.1	812.8	810.1	808.8	814.1	816.7	816.7	820.7	826.0
30°	782.4	782.4	775.8	774.5	773.1	773.1	777.1	778.4	779.7	783.7	786.4
32.5°	745.4	744.1	741.4	742.7	741.4	742.7	742.7	744.1	746.7	748.0	753.3
35°	711.0	712.3	709.7	709.7	708.4	709.7	712.3	713.7	715.0	717.6	717.6
37.5°	678.0	680.6	679.3	683.3	683.3	683.3	683.3	685.9	685.9	685.9	684.6
40°	648.9	648.9	647.6	650.2	652.9	652.9	654.2	654.2	655.5	655.5	654.2
42.5°	615.9	618.5	622.5	623.8	626.4	625.1	629.1	627.8	629.1	626.4	623.8
45°	585.5	585.5	590.8	596.0	597.4	597.4	597.4	600.0	597.4	593.4	592.1
47.5°	552.4	555.1	557.7	564.3	565.6	565.6	565.6	565.6	563.0	563.0	563.0
50°	519.4	520.7	522.0	524.7	528.6	527.3	527.3	527.3	532.6	527.3	528.6
52.5°	479.7	481.1	482.4	487.7	486.3	486.3	487.7	487.7	491.6	490.3	487.7
55°	440.1	440.1	442.7	442.7	442.7	445.4	446.7	449.3	448.0	449.3	450.7
57.5°	400.4	397.8	396.5	396.5	400.4	399.1	400.4	400.4	405.7	408.4	409.7
60°	354.2	354.2	352.9	344.9	344.9	343.6	347.6	350.2	352.9	364.8	363.4
62.5°	306.6	301.3	296.0	297.4	289.4	293.4	290.8	293.4	301.3	310.6	311.9
65°	259.0	255.1	249.8	248.5	245.8	249.8	248.5	249.8	253.7	259.0	265.6
67.5°	216.7	215.4	212.8	211.5	211.5	211.5	214.1	214.1	215.4	219.4	223.4
70°	185.0	183.7	185.0	182.4	183.7	182.4	183.7	185.0	186.3	187.7	191.6
72.5°	155.9	155.9	155.9	153.3	155.9	154.6	154.6	155.9	157.3	158.6	161.2
75°	124.2	121.6	118.9	116.3	115.0	117.6	118.9	117.6	121.6	126.9	126.9
77.5°	93.8	92.5	92.5	92.5	93.8	92.5	95.2	93.8	95.2	95.2	97.8
80°	72.7	71.4	72.7	72.7	71.4	74.0	72.7	72.7	74.0	75.3	74.0
82.5°	52.9	54.2	52.9	52.9	52.9	55.5	52.9	52.9	52.9	54.2	54.2
85°	33.0	33.0	33.0	33.0	34.4	33.0	34.4	33.0	35.7	34.4	34.4
87.5°	11.9	13.2	14.5	14.5	14.5	14.5	13.2	14.5	15.9	14.5	15.9
90°	20.3	20.5	20.8	21.1	21.5	21.8	21.5	21.1	20.8	20.5	20.3
92.5°	34.1	34.2	34.3	34.5	34.6	34.8	34.6	34.5	34.3	34.2	34.1
95°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
97.5°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
100°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
102.5°	143.7	143.8	143.9	144.1	144.2	144.4	144.2	144.1	143.9	143.8	143.7
105°	174.9	175.1	175.6	176.1	176.6	177.1	176.6	176.1	175.6	175.1	174.9
107.5°	209.0	208.9	208.8	208.6	208.5	208.3	208.5	208.6	208.8	208.9	209.0
110°	240.3	240.5	241.0	241.5	241.9	242.4	241.9	241.5	241.0	240.5	240.3

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3	277.3
115°	314.3	314.2	314.1	313.9	313.8	313.6	313.8	313.9	314.1	314.2	314.3
117.5°	349.1	348.9	348.4	347.9	347.4	346.9	347.4	347.9	348.4	348.9	349.1
120°	384.7	384.9	385.2	385.5	385.8	386.1	385.8	385.5	385.2	384.9	384.7
122.5°	422.4	422.0	421.2	420.4	419.6	418.8	419.6	420.4	421.2	422.0	422.4
125°	458.7	458.5	458.2	457.9	457.6	457.3	457.6	457.9	458.2	458.5	458.7
127.5°	492.8	492.7	492.6	492.4	492.3	492.1	492.3	492.4	492.6	492.7	492.8
130°	529.1	528.8	528.1	527.5	526.8	526.2	526.8	527.5	528.1	528.8	529.1
132.5°	563.2	563.1	563.0	562.8	562.7	562.5	562.7	562.8	563.0	563.1	563.2
135°	597.4	597.2	596.7	596.2	595.7	595.2	595.7	596.2	596.7	597.2	597.4
137.5°	630.0	630.1	630.2	630.4	630.5	630.7	630.5	630.4	630.2	630.1	630.0
140°	663.4	663.3	663.2	663.0	662.9	662.7	662.9	663.0	663.2	663.3	663.4
142.5°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6
145°	725.1	724.9	724.4	723.9	723.4	722.9	723.4	723.9	724.4	724.9	725.1
147.5°	753.4	753.3	753.2	753.0	752.9	752.7	752.9	753.0	753.2	753.3	753.4
150°	780.3	780.2	780.0	779.9	779.7	779.5	779.7	779.9	780.0	780.2	780.3
152.5°	806.4	806.2	805.7	805.2	804.7	804.2	804.7	805.2	805.7	806.2	806.4
155°	829.6	829.3	828.6	828.0	827.3	826.7	827.3	828.0	828.6	829.3	829.6
157.5°	849.9	849.7	849.2	848.7	848.3	847.8	848.3	848.7	849.2	849.7	849.9
160°	868.8	868.4	867.6	866.8	866.0	865.2	866.0	866.8	867.6	868.4	868.8
162.5°	887.0	886.6	885.8	884.9	884.1	883.3	884.1	884.9	885.8	886.6	887.0
165°	901.5	901.2	900.5	899.9	899.2	898.6	899.2	899.9	900.5	901.2	901.5
167.5°	914.5	914.0	913.1	912.1	911.2	910.2	911.2	912.1	913.1	914.0	914.5
170°	924.7	924.1	923.0	921.9	920.7	919.6	920.7	921.9	923.0	924.1	924.7
172.5°	932.7	932.1	931.0	929.9	928.7	927.6	928.7	929.9	931.0	932.1	932.7
175°	937.8	937.2	936.1	935.0	933.8	932.7	933.8	935.0	936.1	937.2	937.8
177.5°	941.4	940.8	939.5	938.2	936.9	935.6	936.9	938.2	939.5	940.8	941.4
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1552.9	1559.5	1556.8	1547.6	1551.6	1559.5	1567.4	1578.0	1584.6	1589.9	1592.5
5°	1461.7	1473.6	1470.9	1470.9	1476.2	1489.4	1502.7	1525.1	1533.1	1542.3	1555.5
7.5°	1381.1	1390.3	1398.3	1400.9	1408.8	1426.0	1443.2	1468.3	1488.1	1498.7	1506.6
10°	1309.7	1316.3	1328.2	1334.8	1342.7	1363.9	1389.0	1415.4	1435.3	1453.8	1464.3
12.5°	1218.5	1244.9	1260.8	1271.4	1282.0	1313.7	1333.5	1362.6	1386.4	1403.5	1419.4
15°	1116.8	1148.5	1157.7	1198.7	1225.1	1250.2	1280.6	1315.0	1337.5	1357.3	1378.4
17.5°	1030.8	1053.3	1063.9	1107.5	1130.0	1169.6	1213.2	1256.8	1291.2	1305.7	1326.9
20°	976.7	988.6	1009.7	1024.2	1048.0	1094.3	1141.9	1194.7	1246.3	1260.8	1282.0
22.5°	921.2	937.0	951.6	971.4	989.9	1021.6	1069.2	1127.3	1182.8	1209.3	1234.4
25°	870.9	886.8	896.0	917.2	934.4	966.1	999.1	1058.6	1124.7	1147.2	1186.8
27.5°	831.3	840.5	856.4	865.6	885.5	914.5	944.9	989.9	1054.6	1093.0	1131.3
30°	791.6	798.2	811.5	824.7	839.2	859.0	893.4	937.0	996.5	1029.5	1067.9
32.5°	752.0	762.6	770.5	779.7	795.6	819.4	843.2	885.5	933.1	970.1	1008.4
35°	719.0	722.9	733.5	744.1	754.6	775.8	800.9	841.9	884.2	913.2	947.6
37.5°	683.3	689.9	697.8	701.8	719.0	732.2	758.6	790.3	840.5	859.0	893.4
40°	655.5	654.2	662.1	668.7	676.7	697.8	713.7	748.0	787.7	816.7	837.9
42.5°	621.2	621.2	623.8	631.7	642.3	655.5	674.0	703.1	744.1	765.2	790.3
45°	593.4	589.4	590.8	596.0	602.7	615.9	634.4	659.5	700.4	717.6	744.1
47.5°	560.4	556.4	556.4	561.7	567.0	576.2	590.8	619.8	652.9	675.3	695.2
50°	523.4	524.7	523.4	527.3	530.0	539.2	555.1	578.9	609.3	627.8	650.2
52.5°	489.0	486.3	485.0	487.7	493.0	499.6	516.7	537.9	567.0	585.5	605.3
55°	446.7	449.3	449.3	449.3	457.3	459.9	473.1	494.3	523.4	537.9	556.4
57.5°	408.4	407.1	409.7	408.4	415.0	424.2	434.8	450.7	479.7	494.3	511.5
60°	366.1	367.4	368.7	368.7	374.0	383.3	395.2	409.7	433.5	448.0	463.9
62.5°	314.5	321.1	327.8	330.4	338.3	344.9	352.9	368.7	389.9	400.4	415.0
65°	265.6	274.9	284.1	290.8	296.0	302.6	313.2	327.8	344.9	355.5	370.0
67.5°	223.4	230.0	241.9	248.5	259.0	267.0	273.6	285.5	306.6	310.6	322.5
70°	193.0	195.6	200.9	206.2	218.1	224.7	232.6	244.5	260.4	269.6	276.2
72.5°	162.6	163.9	166.5	171.8	177.1	185.0	194.3	204.8	219.4	223.4	232.6
75°	129.5	137.4	137.4	141.4	145.4	149.3	157.3	167.8	177.1	183.7	189.0
77.5°	96.5	100.4	103.1	109.7	115.0	118.9	124.2	132.2	137.4	142.7	146.7
80°	75.3	76.7	78.0	78.0	80.6	85.9	91.2	96.5	103.1	105.7	109.7
82.5°	55.5	55.5	55.5	58.2	59.5	60.8	60.8	63.4	70.0	72.7	76.7
85°	35.7	35.7	35.7	35.7	37.0	38.3	39.6	41.0	41.0	41.0	43.6
87.5°	14.5	17.2	15.9	17.2	17.2	17.2	17.2	18.5	18.5	19.8	19.8
90°	19.8	18.9	17.9	17.0	16.0	14.7	13.4	12.1	10.8	10.2	9.3
92.5°	33.9	33.4	32.9	32.4	31.9	31.1	30.3	29.5	28.7	28.3	27.3
95°	57.1	56.6	56.1	55.7	55.2	54.1	52.9	51.8	50.7	50.1	49.4
97.5°	83.9	83.2	82.6	81.9	81.3	80.0	78.7	77.4	76.1	75.5	74.9
100°	112.3	112.0	111.7	111.4	111.1	109.6	108.2	106.7	105.2	104.5	104.2
102.5°	143.5	143.0	142.5	142.0	141.5	140.2	138.9	137.6	136.3	135.7	135.6
105°	174.7	174.2	173.7	173.2	172.7	172.1	171.4	170.8	170.1	169.8	169.7
107.5°	208.7	208.0	207.4	206.7	206.1	205.9	205.8	205.6	205.5	205.4	205.3
110°	240.5	240.8	241.1	241.4	241.7	241.9	242.0	242.2	242.3	242.4	242.2

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	277.3	277.3	277.3	277.3	277.3	277.6	277.9	278.2	278.5	278.7	278.7
115°	314.4	314.5	314.7	314.8	315.0	315.3	315.7	316.0	316.3	316.5	316.5
117.5°	349.3	349.8	350.3	350.8	351.3	351.5	351.6	351.8	351.9	352.0	352.0
120°	385.1	385.9	386.7	387.5	388.3	388.8	389.3	389.8	390.3	390.5	390.2
122.5°	422.6	423.1	423.6	424.1	424.6	424.8	424.9	425.1	425.2	425.3	425.2
125°	458.9	459.2	459.5	459.9	460.2	460.4	460.5	460.7	460.8	460.9	460.9
127.5°	493.0	493.3	493.6	494.0	494.3	494.6	494.9	495.2	495.5	495.7	495.5
130°	529.3	529.6	529.9	530.3	530.6	530.6	530.6	530.6	530.6	530.6	530.4
132.5°	563.4	563.7	564.0	564.4	564.7	564.9	565.0	565.2	565.3	565.4	565.2
135°	597.6	597.9	598.2	598.5	598.8	598.8	598.8	598.8	598.8	598.8	598.3
137.5°	630.2	630.7	631.2	631.7	632.2	631.9	631.5	631.2	630.9	630.7	630.5
140°	663.5	663.6	663.8	663.9	664.1	664.1	664.1	664.1	664.1	664.1	663.9
142.5°	694.6	694.6	694.6	694.6	694.6	694.8	694.9	695.1	695.2	695.3	695.1
145°	725.2	725.3	725.5	725.6	725.8	725.6	725.5	725.3	725.2	725.1	724.8
147.5°	753.5	753.6	753.8	753.9	754.1	754.3	754.5	754.6	754.8	754.9	754.5
150°	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.3	780.0
152.5°	806.2	805.7	805.2	804.7	804.2	804.0	803.9	803.7	803.6	803.5	803.3
155°	829.3	828.6	828.0	827.3	826.7	826.9	827.0	827.2	827.3	827.4	827.4
157.5°	849.7	849.2	848.7	848.3	847.8	847.8	847.8	847.8	847.8	847.8	848.0
160°	868.6	868.1	867.6	867.1	866.6	866.8	867.0	867.1	867.3	867.4	867.5
162.5°	886.5	885.5	884.6	883.6	882.6	882.8	882.9	883.1	883.2	883.3	883.5
165°	901.0	900.0	899.1	898.1	897.1	897.4	897.8	898.1	898.4	898.6	898.8
167.5°	914.0	913.1	912.1	911.2	910.2	910.2	910.2	910.2	910.2	910.2	910.5
170°	924.2	923.3	922.3	921.4	920.4	920.2	920.0	919.9	919.7	919.6	920.0
172.5°	932.1	931.0	929.9	928.7	927.6	927.6	927.6	927.6	927.6	927.6	927.9
175°	937.2	936.1	935.0	933.8	932.7	932.9	933.0	933.2	933.3	933.4	933.8
177.5°	940.8	939.7	938.6	937.4	936.3	936.3	936.3	936.3	936.3	936.3	936.7
180°	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5	938.5

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1640.1	1640.1	1640.1	1640.1
2.5°	1603.1	1611.0	1624.2	1642.8
5°	1566.1	1588.6	1609.7	1637.5
7.5°	1533.1	1559.5	1588.6	1628.2
10°	1494.7	1527.8	1564.8	1613.7
12.5°	1449.8	1496.1	1538.3	1591.2
15°	1416.8	1451.1	1505.3	1567.4
17.5°	1370.5	1416.8	1470.9	1541.0
20°	1326.9	1375.8	1436.6	1509.3
22.5°	1280.6	1336.1	1396.9	1474.9
25°	1233.1	1292.5	1353.3	1436.6
27.5°	1189.4	1243.6	1312.4	1396.9
30°	1136.6	1198.7	1264.8	1353.3
32.5°	1085.0	1149.8	1217.2	1305.7
35°	1029.5	1094.3	1168.3	1252.9
37.5°	975.3	1046.7	1114.1	1196.0
40°	915.9	989.9	1059.9	1143.2
42.5°	857.7	934.4	1004.4	1075.8
45°	803.5	878.9	942.3	1009.7
47.5°	752.0	819.4	884.2	944.9
50°	701.8	758.6	818.1	868.3
52.5°	648.9	703.1	750.7	795.6
55°	601.3	643.6	685.9	726.9
57.5°	544.5	586.8	623.8	655.5
60°	496.9	523.4	559.0	592.1
62.5°	442.7	473.1	500.9	522.0
65°	389.9	416.3	437.5	456.0
67.5°	344.9	360.8	376.7	396.5
70°	290.8	304.0	322.5	337.0
72.5°	244.5	255.1	264.3	281.5
75°	198.2	207.5	212.8	228.6
77.5°	153.3	162.6	166.5	175.8
80°	117.6	118.9	124.2	132.2
82.5°	80.6	83.3	84.6	91.2
85°	46.3	52.9	51.5	54.2
87.5°	19.8	21.1	23.8	26.4
90°	7.5	5.8	4.0	2.2
92.5°	25.2	23.1	21.0	18.9
95°	47.9	46.4	45.0	43.5
97.5°	73.6	72.3	71.0	69.7
100°	103.5	102.9	102.2	101.6
102.5°	135.5	135.3	135.2	135.0
105°	169.6	169.4	169.3	169.1
107.5°	205.2	205.0	204.9	204.7
110°	241.9	241.6	241.3	241.0

TEST NUMBER: P1033919

CATALOG NUMBER: S124RDIW-B1020D770UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	278.7	278.7	278.7	278.7
115°	316.5	316.5	316.5	316.5
117.5°	352.0	352.0	352.0	352.0
120°	389.5	388.9	388.2	387.6
122.5°	425.1	424.9	424.8	424.6
125°	460.9	460.9	460.9	460.9
127.5°	495.0	494.5	494.1	493.6
130°	529.9	529.4	528.9	528.4
132.5°	564.9	564.6	564.3	564.0
135°	597.4	596.4	595.5	594.5
137.5°	630.0	629.5	629.1	628.6
140°	663.6	663.3	663.0	662.7
142.5°	694.8	694.5	694.2	693.9
145°	724.1	723.5	722.8	722.2
147.5°	753.7	752.8	752.0	751.2
150°	779.3	778.7	778.0	777.4
152.5°	803.0	802.7	802.3	802.0
155°	827.4	827.4	827.4	827.4
157.5°	848.3	848.6	848.9	849.2
160°	867.6	867.8	867.9	868.1
162.5°	884.0	884.5	885.0	885.5
165°	899.3	899.8	900.3	900.8
167.5°	911.2	911.8	912.5	913.1
170°	920.8	921.7	922.5	923.3
172.5°	928.6	929.2	929.9	930.5
175°	934.6	935.4	936.2	937.0
177.5°	937.5	938.4	939.2	940.0
180°	938.5	938.5	938.5	938.5

(END OF REPORT)