

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: P1026056

Luminaire Tested: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026056
REPORT IS A COMBINATION OF REPORTS P998996 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1
Description: Define 4 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

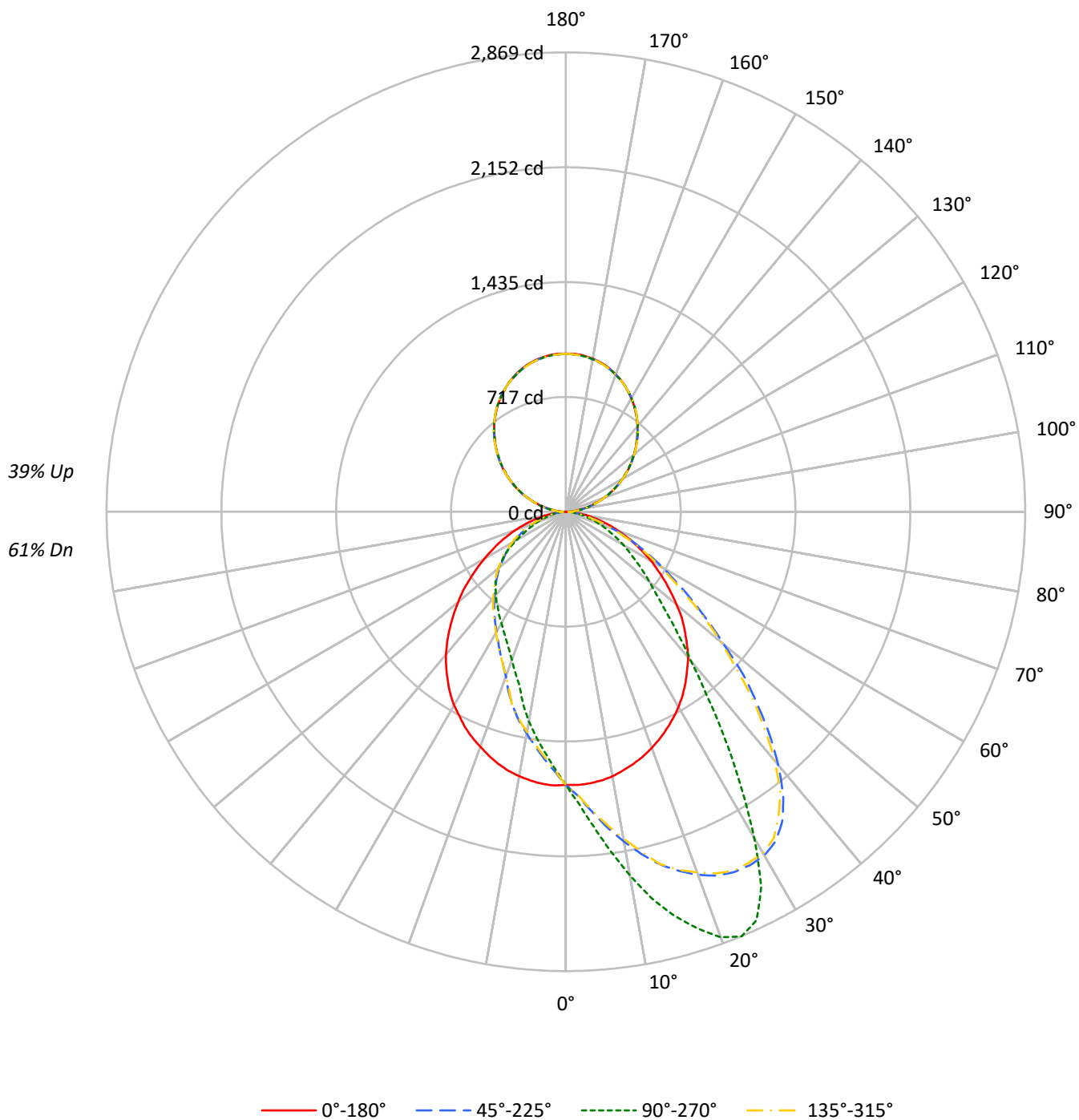
Lumens per Lamp: N/A
Luminaire Lumens: 7052.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 67.9
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

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	110	110	110	110	103	103	103	103	90	90	90	77	77	77	66	66	66	66	66	66	61
1	101	97	93	90	94	91	87	85	79	77	75	69	67	66	60	58	57	57	57	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	49	49	49	45
3	85	75	68	62	79	71	65	59	62	58	54	55	51	48	48	45	42	42	42	42	39
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	40	37	37	37	37	34
5	71	60	52	46	67	57	49	44	50	45	40	44	40	36	39	35	32	32	32	32	30
6	66	54	46	40	62	51	44	39	46	40	35	40	36	32	35	32	29	29	29	29	26
7	61	49	41	36	57	46	39	34	41	36	31	37	32	29	32	29	26	26	26	26	23
8	57	45	37	32	53	42	35	30	38	32	28	34	29	26	30	26	23	23	23	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	21	21	21	19
10	50	38	30	26	47	36	29	25	32	27	23	29	24	21	26	22	19	19	19	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13907	13907	13907	13907
5°	13906	15714	13929	12010
10°	13833	18114	13821	10445
15°	13667	20387	13667	8745
20°	13495	22104	13425	7701
25°	13286	22198	13224	6955
30°	13062	18876	12960	6442
35°	12745	14242	12584	6060
40°	12394	10322	12150	5762
45°	11812	7845	11519	5497
50°	11122	6340	10817	5110
55°	10375	5250	10036	4595
60°	9623	4439	9195	3821
65°	8682	3616	8406	3037
70°	7817	2933	7449	2467
75°	6850	2113	6374	1808
80°	5651	1401	5145	1330
85°	4097	721	3398	721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 17409 cd/sqm

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	2.3
10°-20°	498.7	7.1
20°-30°	781.1	11.1
30°-40°	867.4	12.3
40°-50°	768.7	10.9
50°-60°	599.0	8.5
60°-70°	391.8	5.6
70°-80°	192.3	2.7
80°-90°	48.9	0.7
90°-100°	64.3	0.9
100°-110°	192.7	2.7
110°-120°	327.4	4.6
120°-130°	431.8	6.1
130°-140°	485.0	6.9
140°-150°	476.7	6.8
150°-160°	400.9	5.7
160°-170°	266.7	3.8
170°-180°	93.4	1.3
0°-30°	1445.0	20.5
0°-40°	2312.4	32.8
0°-60°	3680.1	52.2
0°-90°	4313.1	61.2
90°-120°	584.5	8.3
90°-150°	1977.9	28.0
90°-180°	2739.0	38.8
0°-180°	7052.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1705	1705	1705	1705	1705	
5°	1703	1971	1705	1506	1703	162
15°	1630	2611	1630	1120	1630	460
25°	1494	2816	1487	882	1494	688
35°	1303	1734	1286	738	1303	814
45°	1050	886	1024	621	1050	810
55°	756	529	731	463	756	676
65°	474	309	459	260	474	473
75°	238	143	221	122	238	252
85°	56	34	47	34	56	64
90°	2	23	2	23	2	7
95°	46	60	46	60	46	50
105°	178	186	178	186	178	189
115°	333	330	333	330	333	328
125°	485	481	485	481	485	432
135°	625	626	625	626	625	484
145°	760	760	760	760	760	475
155°	870	870	870	870	870	401
165°	947	945	947	945	947	267
175°	986	981	986	981	986	94
180°	987	987	987	987	987	

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1708.1	1723.2	1731.5	1738.4	1752.1	1757.6	1768.6	1771.3	1782.3	1781.0	1776.8
5°	1702.6	1728.7	1748.0	1768.6	1793.3	1807.1	1822.2	1844.2	1855.2	1870.3	1879.9
7.5°	1693.0	1728.7	1760.3	1792.0	1831.8	1853.8	1873.0	1907.4	1936.2	1961.0	1988.5
10°	1677.9	1723.2	1770.0	1812.6	1867.5	1893.6	1922.5	1973.3	2013.2	2047.6	2091.5
12.5°	1654.5	1717.7	1770.0	1827.7	1897.8	1933.5	1972.0	2032.4	2079.2	2135.5	2190.5
15°	1629.8	1699.9	1768.6	1844.2	1923.9	1965.1	2003.6	2084.7	2156.1	2220.7	2281.2
17.5°	1602.3	1679.3	1754.9	1838.7	1934.9	1985.7	2031.1	2128.6	2207.0	2290.8	2351.3
20°	1569.3	1653.2	1739.7	1833.2	1941.7	1998.1	2048.9	2160.2	2246.8	2337.5	2413.1
22.5°	1533.6	1624.3	1719.1	1820.8	1933.5	1995.3	2054.4	2174.0	2274.3	2358.1	2459.8
25°	1493.8	1589.9	1687.5	1794.7	1921.1	1988.5	2048.9	2167.1	2274.3	2384.2	2483.2
27.5°	1452.5	1551.5	1653.2	1765.8	1895.0	1961.0	2029.7	2143.7	2268.8	2388.4	2488.7
30°	1407.2	1503.4	1610.6	1717.7	1855.2	1921.1	1991.2	2114.9	2250.9	2370.5	2479.1
32.5°	1357.7	1456.6	1558.3	1669.7	1804.3	1875.8	1940.4	2080.5	2219.3	2337.5	2439.2
35°	1302.7	1396.2	1492.4	1606.4	1739.7	1804.3	1881.3	2026.9	2167.1	2292.2	2358.1
37.5°	1243.6	1333.0	1422.3	1535.0	1662.8	1741.1	1816.7	1963.7	2112.1	2196.0	2230.3
40°	1188.7	1267.0	1345.3	1453.9	1583.1	1664.2	1741.1	1893.6	2024.2	2088.8	2062.7
42.5°	1118.6	1199.7	1269.8	1370.1	1500.6	1576.2	1654.5	1812.6	1918.4	1944.5	1879.9
45°	1049.9	1117.2	1184.6	1282.1	1419.5	1484.1	1568.0	1715.0	1802.9	1779.6	1684.8
47.5°	982.6	1037.5	1100.7	1195.6	1319.2	1396.2	1474.5	1602.3	1664.2	1631.2	1499.3
50°	902.8	957.8	1023.8	1106.2	1225.8	1300.0	1361.8	1480.0	1526.7	1445.7	1286.2
52.5°	827.3	875.4	931.7	1008.7	1122.7	1190.1	1257.4	1359.1	1374.2	1280.8	1113.1
55°	755.8	794.3	853.4	915.2	1019.7	1091.1	1137.8	1224.4	1220.3	1103.5	959.2
57.5°	681.6	717.3	757.2	821.8	920.7	974.3	1025.2	1100.7	1060.9	961.9	819.0
60°	615.6	636.3	676.1	737.9	821.8	868.5	908.3	949.6	915.2	808.0	698.1
62.5°	542.8	566.2	595.0	644.5	718.7	762.7	791.5	809.4	773.7	691.2	590.9
65°	474.1	494.7	524.9	568.9	625.3	658.2	673.4	685.7	666.5	573.0	493.3
67.5°	412.3	426.0	453.5	482.3	542.8	551.1	571.7	577.2	538.7	467.2	404.0
70°	350.4	364.2	376.5	410.9	438.4	453.5	457.6	457.6	419.1	372.4	320.2
72.5°	292.7	300.9	313.3	336.7	351.8	362.8	368.3	361.4	325.7	287.2	248.7
75°	237.7	241.9	252.9	268.0	280.3	276.2	274.8	266.6	240.5	213.0	191.0
77.5°	182.8	185.5	197.9	202.0	202.0	206.1	200.6	192.4	170.4	149.8	140.2
80°	137.4	141.5	142.9	145.7	142.9	142.9	138.8	125.1	114.1	104.4	97.6
82.5°	94.8	97.6	98.9	94.8	97.6	93.4	86.6	77.0	70.1	68.7	66.0
85°	56.3	57.7	56.3	56.3	52.2	50.8	45.3	44.0	41.2	41.2	39.9
87.5°	27.5	26.1	23.4	20.6	20.6	19.2	20.6	17.9	20.6	19.2	17.9
90°	2.3	4.2	6.0	7.9	9.8	10.7	11.4	12.7	14.1	15.4	16.8
92.5°	19.8	22.0	24.2	26.5	28.7	29.8	30.2	31.1	31.9	32.8	33.6
95°	45.8	47.3	48.9	50.4	51.9	52.7	53.3	54.5	55.6	56.8	58.0
97.5°	73.3	74.7	76.0	77.4	78.7	79.4	80.1	81.4	82.8	84.1	85.5
100°	106.9	107.6	108.2	108.9	109.6	109.9	110.7	112.2	113.7	115.3	116.8
102.5°	142.0	142.2	142.4	142.5	142.7	142.8	143.5	144.8	146.2	147.5	148.9
105°	177.9	178.1	178.2	178.4	178.5	178.6	178.9	179.6	180.3	181.0	181.7
107.5°	215.3	215.5	215.7	215.8	216.0	216.1	216.2	216.3	216.5	216.6	216.8
110°	253.5	253.8	254.2	254.5	254.8	255.0	254.9	254.7	254.6	254.4	254.2

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	293.2	293.2	293.2	293.2	293.2	293.2	293.0	292.7	292.3	292.0	291.6
115°	332.9	332.9	332.9	332.9	332.9	332.9	332.7	332.4	332.0	331.7	331.3
117.5°	370.3	370.3	370.3	370.3	370.3	370.3	370.2	370.0	369.9	369.7	369.5
120°	407.7	408.4	409.0	409.7	410.4	410.7	410.4	409.9	409.4	408.9	408.4
122.5°	446.6	446.8	447.0	447.1	447.3	447.4	447.3	447.1	447.0	446.8	446.6
125°	484.8	484.8	484.8	484.8	484.8	484.8	484.7	484.5	484.4	484.2	484.0
127.5°	519.1	519.6	520.1	520.6	521.1	521.4	521.2	520.9	520.6	520.2	519.9
130°	555.8	556.3	556.8	557.3	557.8	558.1	558.1	558.1	558.1	558.1	558.1
132.5°	593.2	593.5	593.9	594.2	594.5	594.7	594.6	594.5	594.3	594.2	594.0
135°	625.3	626.3	627.3	628.3	629.3	629.8	629.8	629.8	629.8	629.8	629.8
137.5°	661.1	661.6	662.1	662.6	663.1	663.4	663.6	663.9	664.2	664.6	664.9
140°	697.0	697.3	697.7	698.0	698.3	698.5	698.5	698.5	698.5	698.5	698.5
142.5°	729.8	730.2	730.5	730.9	731.2	731.4	731.3	731.1	731.0	730.8	730.6
145°	759.6	760.3	761.0	761.7	762.4	762.7	762.8	762.9	763.1	763.2	763.4
147.5°	790.2	791.0	791.9	792.7	793.6	794.0	793.9	793.7	793.6	793.4	793.2
150°	817.6	818.3	819.0	819.7	820.4	820.7	820.7	820.7	820.7	820.7	820.7
152.5°	843.6	843.9	844.3	844.6	844.9	845.1	845.2	845.4	845.5	845.7	845.9
155°	870.3	870.3	870.3	870.3	870.3	870.3	870.2	870.0	869.9	869.7	869.5
157.5°	893.2	892.9	892.5	892.2	891.9	891.7	891.7	891.7	891.7	891.7	891.7
160°	913.1	912.9	912.7	912.6	912.4	912.3	912.2	912.0	911.9	911.7	911.5
162.5°	931.4	930.9	930.4	929.9	929.4	929.1	929.0	928.8	928.7	928.5	928.3
165°	947.4	946.9	946.4	945.9	945.4	945.1	944.9	944.6	944.3	943.9	943.6
167.5°	960.4	959.7	959.0	958.3	957.6	957.3	957.3	957.3	957.3	957.3	957.3
170°	971.1	970.3	969.4	968.6	967.7	967.3	967.4	967.5	967.7	967.8	968.0
172.5°	978.7	978.0	977.4	976.7	976.0	975.7	975.7	975.7	975.7	975.7	975.7
175°	985.6	984.8	983.9	983.1	982.2	981.8	981.7	981.5	981.4	981.2	981.0
177.5°	988.6	987.8	986.9	986.1	985.2	984.8	984.8	984.8	984.8	984.8	984.8
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1787.8	1802.9	1804.3	1818.1	1813.9	1807.1	1819.4	1811.2	1827.7	1822.2	1829.1
5°	1892.3	1912.9	1930.7	1941.7	1961.0	1956.9	1977.5	1970.6	1985.7	1970.6	1989.8
7.5°	2014.6	2048.9	2066.8	2095.7	2103.9	2105.3	2130.0	2135.5	2145.1	2135.5	2146.5
10°	2134.1	2175.4	2216.6	2239.9	2255.1	2275.7	2297.7	2307.3	2314.1	2304.5	2311.4
12.5°	2242.7	2307.3	2352.6	2399.3	2410.3	2428.2	2451.6	2448.8	2476.3	2470.8	2483.2
15°	2343.0	2414.5	2469.4	2506.5	2536.8	2551.9	2595.9	2598.6	2597.2	2611.0	2602.7
17.5°	2432.3	2492.8	2571.1	2619.2	2656.3	2656.3	2681.1	2731.9	2727.8	2726.4	2734.7
20°	2505.2	2573.9	2646.7	2727.8	2758.0	2763.5	2797.9	2824.0	2828.1	2828.1	2828.1
22.5°	2560.1	2641.2	2719.5	2777.3	2800.6	2819.9	2850.1	2866.6	2872.1	2869.3	2872.1
25°	2587.6	2664.6	2744.3	2796.5	2810.2	2821.2	2824.0	2833.6	2832.2	2815.7	2825.4
27.5°	2593.1	2667.3	2719.5	2733.3	2726.4	2719.5	2675.6	2679.7	2667.3	2642.6	2652.2
30°	2568.4	2608.2	2606.9	2564.3	2551.9	2523.0	2483.2	2424.1	2376.0	2355.4	2362.2
32.5°	2479.1	2479.1	2429.6	2333.4	2290.8	2238.6	2167.1	2113.5	2050.3	2036.6	2062.7
35°	2355.4	2285.3	2194.6	2068.2	2003.6	1965.1	1841.4	1802.9	1749.4	1734.2	1746.6
37.5°	2163.0	2046.2	1914.3	1796.1	1741.1	1672.4	1563.8	1508.9	1470.4	1444.3	1456.6
40°	1947.2	1805.7	1668.3	1522.6	1462.1	1405.8	1324.7	1275.3	1213.4	1216.2	1220.3
42.5°	1741.1	1574.8	1420.9	1286.2	1228.5	1181.8	1125.5	1065.0	1043.0	1036.1	1029.3
45°	1522.6	1345.3	1201.0	1100.7	1048.5	1004.5	952.3	918.0	891.9	886.4	893.2
47.5°	1316.5	1166.7	1029.3	935.8	893.2	871.2	830.0	798.4	781.9	768.2	776.4
50°	1129.6	989.4	879.5	801.2	770.9	755.8	717.3	700.8	684.4	680.2	678.9
52.5°	975.7	856.1	761.3	698.1	674.7	666.5	637.6	614.3	600.5	604.6	607.4
55°	835.5	733.8	659.6	608.8	589.5	579.9	559.3	542.8	533.2	529.1	531.8
57.5°	711.8	623.9	570.3	529.1	514.0	509.8	487.8	482.3	475.5	471.3	471.3
60°	599.2	537.3	487.8	464.5	448.0	443.9	427.4	420.5	419.1	415.0	412.3
62.5°	504.3	453.5	419.1	394.4	387.5	386.1	375.2	366.9	362.8	360.0	360.0
65°	421.9	384.8	355.9	338.1	332.6	329.8	317.4	314.7	311.9	309.2	307.8
67.5°	351.8	318.8	298.2	285.8	279.0	280.3	273.5	268.0	268.0	266.6	265.2
70°	284.5	263.8	246.0	239.1	236.4	233.6	230.9	226.7	225.4	225.4	225.4
72.5°	224.0	210.3	200.6	196.5	193.8	191.0	188.3	188.3	188.3	186.9	186.9
75°	171.8	166.3	159.4	155.3	155.3	158.0	153.9	149.8	145.7	142.9	144.3
77.5°	129.2	126.4	122.3	115.4	116.8	114.1	114.1	111.3	112.7	112.7	109.9
80°	94.8	90.7	89.3	85.2	86.6	85.2	83.8	83.8	81.1	81.1	81.1
82.5°	66.0	61.8	61.8	60.5	59.1	59.1	57.7	57.7	59.1	56.3	56.3
85°	39.9	38.5	38.5	35.7	35.7	35.7	35.7	37.1	35.7	34.4	34.4
87.5°	17.9	19.2	17.9	16.5	16.5	16.5	15.1	15.1	13.7	15.1	15.1
90°	17.8	18.8	19.9	20.9	21.4	21.6	21.9	22.2	22.6	22.9	22.6
92.5°	34.1	34.6	35.1	35.6	35.9	36.0	36.1	36.3	36.4	36.6	36.4
95°	58.5	59.0	59.5	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
97.5°	86.2	86.9	87.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
100°	117.1	117.5	117.8	118.1	118.3	118.3	118.3	118.3	118.3	118.3	118.3
102.5°	149.4	149.9	150.4	150.9	151.2	151.3	151.4	151.6	151.7	151.9	151.7
105°	182.2	182.7	183.2	183.7	184.0	184.3	184.8	185.3	185.8	186.3	185.8
107.5°	217.5	218.2	218.9	219.6	219.9	219.8	219.6	219.5	219.3	219.1	219.3
110°	253.9	253.5	253.2	252.9	252.7	253.0	253.5	254.0	254.5	255.0	254.5

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
115°	331.1	331.0	330.8	330.7	330.6	330.5	330.3	330.2	330.0	329.8	330.0
117.5°	369.0	368.5	368.0	367.5	367.2	366.9	366.4	365.9	365.4	364.9	365.4
120°	407.6	406.7	405.9	405.0	404.6	404.8	405.1	405.4	405.8	406.1	405.8
122.5°	446.1	445.6	445.1	444.6	444.3	443.9	443.0	442.2	441.3	440.5	441.3
125°	483.7	483.3	483.0	482.7	482.5	482.3	482.0	481.7	481.3	481.0	481.3
127.5°	519.6	519.2	518.9	518.6	518.4	518.3	518.1	518.0	517.8	517.6	517.8
130°	557.7	557.4	557.0	556.7	556.5	556.2	555.5	554.8	554.2	553.5	554.2
132.5°	593.6	593.3	592.9	592.6	592.4	592.3	592.2	592.0	591.9	591.7	591.9
135°	629.5	629.1	628.8	628.5	628.3	628.0	627.5	627.0	626.5	626.0	626.5
137.5°	664.4	663.9	663.4	662.9	662.7	662.8	662.9	663.1	663.2	663.4	663.2
140°	698.3	698.2	698.0	697.9	697.8	697.7	697.5	697.4	697.2	697.0	697.2
142.5°	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6
145°	763.2	763.1	762.9	762.8	762.7	762.4	761.9	761.4	760.9	760.4	760.9
147.5°	793.0	792.8	792.7	792.5	792.4	792.3	792.2	792.0	791.9	791.7	791.9
150°	820.7	820.7	820.7	820.7	820.7	820.6	820.4	820.3	820.1	819.9	820.1
152.5°	846.4	846.9	847.4	847.9	848.2	847.9	847.4	846.9	846.4	845.9	846.4
155°	870.2	870.9	871.6	872.3	872.6	872.3	871.6	870.9	870.2	869.5	870.2
157.5°	892.2	892.7	893.2	893.7	894.0	893.7	893.2	892.7	892.2	891.7	892.2
160°	912.0	912.5	913.0	913.5	913.8	913.4	912.5	911.7	910.8	910.0	910.8
162.5°	929.3	930.3	931.4	932.4	932.9	932.5	931.6	930.8	929.9	929.1	929.9
165°	944.6	945.6	946.7	947.7	948.2	947.9	947.2	946.5	945.8	945.1	945.8
167.5°	958.3	959.3	960.4	961.4	961.9	961.4	960.4	959.3	958.3	957.3	958.3
170°	969.0	970.0	971.1	972.1	972.6	972.0	970.8	969.7	968.5	967.3	968.5
172.5°	976.9	978.1	979.2	980.4	981.0	980.4	979.2	978.1	976.9	975.7	976.9
175°	982.2	983.4	984.6	985.8	986.4	985.8	984.6	983.4	982.2	981.0	982.2
177.5°	986.0	987.2	988.4	989.6	990.2	989.5	988.2	986.8	985.5	984.1	985.5
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1833.2	1823.6	1822.2	1822.2	1807.1	1815.3	1798.8	1781.0	1772.7	1772.7	1757.6
5°	1985.7	1976.1	1966.5	1951.4	1951.4	1943.1	1917.0	1890.9	1871.7	1855.2	1837.3
7.5°	2142.4	2132.8	2105.3	2090.2	2098.4	2081.9	2047.6	2003.6	1970.6	1944.5	1907.4
10°	2312.8	2286.7	2272.9	2264.7	2235.8	2218.0	2178.1	2113.5	2072.3	2037.9	1989.8
12.5°	2451.6	2459.8	2407.6	2411.7	2382.9	2358.1	2296.3	2234.4	2172.6	2124.5	2053.1
15°	2601.4	2576.6	2545.0	2520.3	2510.7	2480.4	2428.2	2345.8	2278.4	2202.8	2121.8
17.5°	2719.5	2700.3	2670.1	2646.7	2626.1	2553.3	2509.3	2436.5	2344.4	2270.2	2171.2
20°	2819.9	2802.0	2759.4	2744.3	2707.2	2655.0	2591.7	2479.1	2396.6	2315.5	2219.3
22.5°	2862.5	2844.6	2807.5	2788.2	2764.9	2714.0	2653.6	2546.4	2444.7	2343.0	2241.3
25°	2826.7	2826.7	2808.9	2802.0	2781.4	2736.0	2674.2	2583.5	2474.9	2365.0	2244.1
27.5°	2653.6	2687.9	2700.3	2707.2	2707.2	2708.5	2665.9	2578.0	2472.2	2365.0	2238.6
30°	2403.5	2461.2	2512.0	2527.2	2553.3	2582.1	2600.0	2557.4	2462.6	2349.9	2223.5
32.5°	2088.8	2163.0	2257.8	2281.2	2316.9	2403.5	2451.6	2469.4	2417.2	2318.3	2183.6
35°	1775.5	1868.9	1926.6	1998.1	2031.1	2158.9	2266.1	2330.6	2318.3	2259.2	2136.9
37.5°	1502.0	1555.6	1625.7	1701.3	1767.2	1889.5	2022.8	2147.9	2198.7	2169.9	2077.8
40°	1239.5	1302.7	1386.6	1448.4	1493.8	1616.1	1781.0	1917.0	2028.3	2046.2	1989.8
42.5°	1054.0	1117.2	1168.1	1235.4	1271.1	1389.3	1535.0	1705.4	1837.3	1907.4	1882.7
45°	911.1	949.6	990.8	1029.3	1073.2	1177.7	1312.4	1499.3	1647.7	1746.6	1756.2
47.5°	786.0	820.4	856.1	891.9	916.6	997.7	1121.3	1273.9	1436.0	1572.1	1625.7
50°	698.1	714.6	740.7	761.3	790.2	860.2	959.2	1091.1	1262.9	1409.9	1480.0
52.5°	611.5	632.1	652.7	670.6	689.8	739.3	830.0	944.1	1092.5	1243.6	1330.2
55°	538.7	555.2	574.4	586.8	597.8	641.8	710.5	798.4	926.2	1069.1	1176.3
57.5°	479.6	486.5	503.0	509.8	522.2	557.9	607.4	685.7	788.8	927.6	1015.5
60°	415.0	428.7	441.1	446.6	456.2	481.0	515.3	588.2	677.5	779.2	879.5
62.5°	362.8	368.3	377.9	384.8	391.6	417.8	446.6	501.6	568.9	654.1	746.2
65°	314.7	317.4	322.9	332.6	336.7	355.9	372.4	412.3	475.5	540.1	632.1
67.5°	265.2	268.0	274.8	280.3	284.5	296.8	314.7	343.5	377.9	449.4	500.2
70°	226.7	226.7	230.9	233.6	237.7	243.2	252.9	274.8	306.4	351.8	398.5
72.5°	189.6	189.6	189.6	193.8	193.8	197.9	203.4	218.5	240.5	276.2	306.4
75°	147.0	148.4	151.2	151.2	152.5	158.0	162.2	166.3	177.3	200.6	228.1
77.5°	111.3	114.1	115.4	112.7	115.4	115.4	120.9	126.4	131.9	138.8	159.4
80°	82.5	83.8	81.1	82.5	82.5	85.2	87.9	86.6	89.3	97.6	103.1
82.5°	55.0	56.3	56.3	56.3	56.3	60.5	60.5	59.1	60.5	61.8	63.2
85°	34.4	33.0	33.0	34.4	33.0	33.0	34.4	35.7	34.4	35.7	37.1
87.5°	15.1	15.1	15.1	15.1	13.7	13.7	15.1	13.7	15.1	13.7	12.4
90°	22.2	21.9	21.6	21.4	20.9	19.9	18.8	17.8	16.8	15.4	14.1
92.5°	36.3	36.1	36.0	35.9	35.6	35.1	34.6	34.1	33.6	32.8	31.9
95°	60.3	60.3	60.3	60.3	60.0	59.5	59.0	58.5	58.0	56.8	55.6
97.5°	88.6	88.6	88.6	88.6	88.3	87.6	86.9	86.2	85.5	84.1	82.8
100°	118.3	118.3	118.3	118.3	118.1	117.8	117.5	117.1	116.8	115.3	113.7
102.5°	151.6	151.4	151.3	151.2	150.9	150.4	149.9	149.4	148.9	147.5	146.2
105°	185.3	184.8	184.3	184.0	183.7	183.2	182.7	182.2	181.7	181.0	180.3
107.5°	219.5	219.6	219.8	219.9	219.6	218.9	218.2	217.5	216.8	216.6	216.5
110°	254.0	253.5	253.0	252.7	252.9	253.2	253.5	253.9	254.2	254.4	254.6

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	292.0	292.3
115°	330.2	330.3	330.5	330.6	330.7	330.8	331.0	331.1	331.3	331.7	332.0
117.5°	365.9	366.4	366.9	367.2	367.5	368.0	368.5	369.0	369.5	369.7	369.9
120°	405.4	405.1	404.8	404.6	405.0	405.9	406.7	407.6	408.4	408.9	409.4
122.5°	442.2	443.0	443.9	444.3	444.6	445.1	445.6	446.1	446.6	446.8	447.0
125°	481.7	482.0	482.3	482.5	482.7	483.0	483.3	483.7	484.0	484.2	484.4
127.5°	518.0	518.1	518.3	518.4	518.6	518.9	519.2	519.6	519.9	520.2	520.6
130°	554.8	555.5	556.2	556.5	556.7	557.0	557.4	557.7	558.1	558.1	558.1
132.5°	592.0	592.2	592.3	592.4	592.6	592.9	593.3	593.6	594.0	594.2	594.3
135°	627.0	627.5	628.0	628.3	628.5	628.8	629.1	629.5	629.8	629.8	629.8
137.5°	663.1	662.9	662.8	662.7	662.9	663.4	663.9	664.4	664.9	664.6	664.2
140°	697.4	697.5	697.7	697.8	697.9	698.0	698.2	698.3	698.5	698.5	698.5
142.5°	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.8	731.0
145°	761.4	761.9	762.4	762.7	762.8	762.9	763.1	763.2	763.4	763.2	763.1
147.5°	792.0	792.2	792.3	792.4	792.5	792.7	792.8	793.0	793.2	793.4	793.6
150°	820.3	820.4	820.6	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
152.5°	846.9	847.4	847.9	848.2	847.9	847.4	846.9	846.4	845.9	845.7	845.5
155°	870.9	871.6	872.3	872.6	872.3	871.6	870.9	870.2	869.5	869.7	869.9
157.5°	892.7	893.2	893.7	894.0	893.7	893.2	892.7	892.2	891.7	891.7	891.7
160°	911.7	912.5	913.4	913.8	913.5	913.0	912.5	912.0	911.5	911.7	911.9
162.5°	930.8	931.6	932.5	932.9	932.4	931.4	930.3	929.3	928.3	928.5	928.7
165°	946.5	947.2	947.9	948.2	947.7	946.7	945.6	944.6	943.6	943.9	944.3
167.5°	959.3	960.4	961.4	961.9	961.4	960.4	959.3	958.3	957.3	957.3	957.3
170°	969.7	970.8	972.0	972.6	972.1	971.1	970.0	969.0	968.0	967.8	967.7
172.5°	978.1	979.2	980.4	981.0	980.4	979.2	978.1	976.9	975.7	975.7	975.7
175°	983.4	984.6	985.8	986.4	985.8	984.6	983.4	982.2	981.0	981.2	981.4
177.5°	986.8	988.2	989.5	990.2	989.6	988.4	987.2	986.0	984.8	984.8	984.8
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4FO-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1749.4	1742.5	1738.4	1737.0	1724.6	1717.7	1713.6	1710.9	1706.8	1695.8	1686.1
5°	1815.3	1796.1	1786.5	1775.5	1756.2	1734.2	1716.4	1705.4	1691.6	1669.7	1649.0
7.5°	1877.2	1848.3	1829.1	1813.9	1781.0	1745.2	1716.4	1693.0	1666.9	1636.7	1607.8
10°	1941.7	1895.0	1870.3	1846.9	1798.8	1752.1	1710.9	1676.5	1639.4	1599.6	1568.0
12.5°	1992.6	1930.7	1903.3	1870.3	1811.2	1756.2	1704.0	1657.3	1609.2	1566.6	1521.2
15°	2051.7	1974.7	1943.1	1900.5	1819.4	1748.0	1680.6	1629.8	1580.3	1517.1	1469.0
17.5°	2086.0	1996.7	1951.4	1914.3	1826.3	1739.7	1661.4	1598.2	1540.5	1477.3	1426.4
20°	2120.4	2018.7	1967.9	1915.6	1811.2	1719.1	1636.7	1561.1	1500.6	1431.9	1379.7
22.5°	2131.4	2013.2	1959.6	1911.5	1801.6	1698.5	1603.7	1526.7	1456.6	1387.9	1328.8
25°	2131.4	2011.8	1948.6	1886.8	1771.3	1665.5	1570.7	1486.9	1408.6	1339.8	1280.8
27.5°	2109.4	1984.3	1918.4	1862.0	1742.5	1628.4	1530.9	1438.8	1363.2	1294.5	1227.2
30°	2081.9	1944.5	1878.5	1811.2	1695.8	1587.2	1481.4	1396.2	1316.5	1238.2	1177.7
32.5°	2047.6	1901.9	1829.1	1760.3	1638.0	1525.4	1427.8	1344.0	1268.4	1187.3	1120.0
35°	1998.1	1838.7	1757.6	1697.1	1579.0	1462.1	1368.7	1286.2	1213.4	1129.6	1056.8
37.5°	1934.9	1781.0	1698.5	1624.3	1502.0	1394.8	1306.9	1227.2	1155.7	1078.7	997.7
40°	1860.7	1699.9	1628.4	1550.1	1420.9	1319.2	1236.8	1165.3	1093.9	1021.0	942.7
42.5°	1776.8	1617.4	1537.7	1462.1	1338.5	1238.2	1161.2	1096.6	1030.6	963.3	879.5
45°	1676.5	1526.7	1449.8	1378.3	1258.8	1155.7	1085.6	1023.8	967.4	898.7	824.5
47.5°	1563.8	1433.3	1355.0	1278.0	1161.2	1071.9	1003.2	950.9	902.8	834.1	766.8
50°	1453.9	1324.7	1261.5	1183.2	1076.0	992.2	922.1	878.1	841.0	773.7	713.2
52.5°	1315.1	1217.5	1157.1	1089.7	986.7	901.5	846.5	808.0	764.1	711.8	658.2
55°	1192.8	1102.1	1054.0	990.8	889.1	813.5	766.8	731.1	696.7	650.0	607.4
57.5°	1054.0	997.7	949.6	894.6	794.3	729.7	688.5	658.2	626.6	588.2	553.8
60°	908.3	882.2	835.5	791.5	706.3	650.0	615.6	588.2	557.9	526.3	497.5
62.5°	779.2	764.1	736.6	702.2	622.5	574.4	540.1	519.4	497.5	468.6	441.1
65°	656.9	650.0	623.9	599.2	544.2	501.6	471.3	459.0	434.2	412.3	387.5
67.5°	548.3	540.1	524.9	514.0	467.2	427.4	412.3	395.8	375.2	358.7	338.1
70°	438.4	437.0	427.4	413.6	388.9	360.0	344.9	333.9	313.3	300.9	285.8
72.5°	340.8	347.7	339.4	333.9	317.4	296.8	283.1	276.2	259.7	250.1	239.1
75°	254.2	259.7	263.8	254.2	250.1	240.5	228.1	221.2	213.0	199.3	195.1
77.5°	173.1	185.5	185.5	188.3	189.6	184.1	174.5	169.0	159.4	156.7	151.2
80°	114.1	125.1	126.4	129.2	133.3	133.3	126.4	125.1	115.4	114.1	109.9
82.5°	66.0	75.6	81.1	85.2	83.8	89.3	83.8	82.5	77.0	77.0	74.2
85°	35.7	37.1	39.9	42.6	45.3	48.1	48.1	46.7	45.3	44.0	41.2
87.5°	13.7	13.7	15.1	13.7	15.1	17.9	19.2	19.2	17.9	16.5	13.7
90°	12.7	11.4	10.7	9.8	7.9	6.0	4.2	2.3	4.2	6.0	7.9
92.5°	31.1	30.2	29.8	28.7	26.5	24.2	22.0	19.8	22.0	24.2	26.5
95°	54.5	53.3	52.7	51.9	50.4	48.9	47.3	45.8	47.3	48.9	50.4
97.5°	81.4	80.1	79.4	78.7	77.4	76.0	74.7	73.3	74.7	76.0	77.4
100°	112.2	110.7	109.9	109.6	108.9	108.2	107.6	106.9	107.6	108.2	108.9
102.5°	144.8	143.5	142.8	142.7	142.5	142.4	142.2	142.0	142.2	142.4	142.5
105°	179.6	178.9	178.6	178.5	178.4	178.2	178.1	177.9	178.1	178.2	178.4
107.5°	216.3	216.2	216.1	216.0	215.8	215.7	215.5	215.3	215.5	215.7	215.8
110°	254.7	254.9	255.0	254.8	254.5	254.2	253.8	253.5	253.8	254.2	254.5

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	292.7	293.0	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
115°	332.4	332.7	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9
117.5°	370.0	370.2	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3	370.3
120°	409.9	410.4	410.7	410.4	409.7	409.0	408.4	407.7	408.4	409.0	409.7
122.5°	447.1	447.3	447.4	447.3	447.1	447.0	446.8	446.6	446.8	447.0	447.1
125°	484.5	484.7	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
127.5°	520.9	521.2	521.4	521.1	520.6	520.1	519.6	519.1	519.6	520.1	520.6
130°	558.1	558.1	558.1	557.8	557.3	556.8	556.3	555.8	556.3	556.8	557.3
132.5°	594.5	594.6	594.7	594.5	594.2	593.9	593.5	593.2	593.5	593.9	594.2
135°	629.8	629.8	629.8	629.3	628.3	627.3	626.3	625.3	626.3	627.3	628.3
137.5°	663.9	663.6	663.4	663.1	662.6	662.1	661.6	661.1	661.6	662.1	662.6
140°	698.5	698.5	698.5	698.3	698.0	697.7	697.3	697.0	697.3	697.7	698.0
142.5°	731.1	731.3	731.4	731.2	730.9	730.5	730.2	729.8	730.2	730.5	730.9
145°	762.9	762.8	762.7	762.4	761.7	761.0	760.3	759.6	760.3	761.0	761.7
147.5°	793.7	793.9	794.0	793.6	792.7	791.9	791.0	790.2	791.0	791.9	792.7
150°	820.7	820.7	820.7	820.4	819.7	819.0	818.3	817.6	818.3	819.0	819.7
152.5°	845.4	845.2	845.1	844.9	844.6	844.3	843.9	843.6	843.9	844.3	844.6
155°	870.0	870.2	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3	870.3
157.5°	891.7	891.7	891.7	891.9	892.2	892.5	892.9	893.2	892.9	892.5	892.2
160°	912.0	912.2	912.3	912.4	912.6	912.7	912.9	913.1	912.9	912.7	912.6
162.5°	928.8	929.0	929.1	929.4	929.9	930.4	930.9	931.4	930.9	930.4	929.9
165°	944.6	944.9	945.1	945.4	945.9	946.4	946.9	947.4	946.9	946.4	945.9
167.5°	957.3	957.3	957.3	957.6	958.3	959.0	959.7	960.4	959.7	959.0	958.3
170°	967.5	967.4	967.3	967.7	968.6	969.4	970.3	971.1	970.3	969.4	968.6
172.5°	975.7	975.7	975.7	976.0	976.7	977.4	978.0	978.7	978.0	977.4	976.7
175°	981.5	981.7	981.8	982.2	983.1	983.9	984.8	985.6	984.8	983.9	983.1
177.5°	984.8	984.8	984.8	985.2	986.1	986.9	987.8	988.6	987.8	986.9	986.1
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1677.9	1675.1	1672.4	1661.4	1651.8	1635.3	1621.6	1616.1	1614.7	1616.1	1611.9
5°	1629.8	1628.4	1618.8	1599.6	1581.7	1562.5	1548.7	1535.0	1526.7	1526.7	1517.1
7.5°	1584.5	1574.8	1566.6	1541.9	1521.2	1495.1	1474.5	1462.1	1455.3	1440.2	1440.2
10°	1536.4	1522.6	1511.6	1488.3	1458.0	1431.9	1405.8	1390.7	1378.3	1367.3	1363.2
12.5°	1488.3	1477.3	1456.6	1431.9	1401.7	1368.7	1341.2	1330.2	1301.4	1278.0	1279.4
15°	1442.9	1418.2	1408.6	1372.8	1337.1	1305.5	1265.6	1234.0	1210.7	1195.6	1176.3
17.5°	1392.1	1367.3	1349.5	1319.2	1272.5	1223.0	1184.6	1142.0	1118.6	1092.5	1080.1
20°	1335.7	1315.1	1301.4	1253.3	1196.9	1137.8	1095.2	1069.1	1043.0	1023.8	1012.8
22.5°	1287.6	1261.5	1245.0	1180.4	1118.6	1059.5	1026.5	1004.5	982.6	966.1	960.6
25°	1225.8	1210.7	1170.8	1114.5	1038.9	999.0	970.2	941.3	929.0	918.0	905.6
27.5°	1174.9	1137.8	1110.4	1036.1	989.4	944.1	915.2	893.2	878.1	867.1	857.5
30°	1111.7	1077.4	1038.9	977.1	934.5	891.9	865.7	847.9	831.4	824.5	816.3
32.5°	1045.8	1014.2	977.1	927.6	875.4	842.4	821.8	802.5	791.5	784.7	775.0
35°	986.7	946.8	922.1	875.4	832.8	795.7	776.4	759.9	747.6	744.8	743.4
37.5°	923.5	893.2	869.9	821.8	786.0	754.4	736.6	718.7	711.8	710.5	705.0
40°	868.5	842.4	820.4	775.0	736.6	707.7	694.0	683.0	676.1	676.1	674.7
42.5°	820.4	792.9	770.9	729.7	695.3	669.2	654.1	643.1	640.4	641.8	640.4
45°	766.8	743.4	721.5	678.9	650.0	630.8	614.3	608.8	604.6	606.0	607.4
47.5°	716.0	696.7	674.7	640.4	607.4	586.8	577.2	571.7	571.7	571.7	574.4
50°	670.6	648.6	629.4	593.7	563.4	546.9	538.7	531.8	533.2	534.6	535.9
52.5°	617.0	597.8	584.0	548.3	526.3	505.7	496.1	497.5	496.1	496.1	498.8
55°	570.3	551.1	537.3	504.3	482.3	468.6	460.4	456.2	457.6	454.9	460.4
57.5°	518.1	501.6	492.0	460.4	441.1	428.7	421.9	415.0	417.8	416.4	415.0
60°	472.7	453.5	438.4	416.4	399.9	384.8	380.7	373.8	376.5	373.8	372.4
62.5°	420.5	405.4	394.4	372.4	358.7	346.3	336.7	332.6	331.2	327.1	322.9
65°	368.3	360.0	349.0	327.1	313.3	303.7	298.2	294.1	292.7	281.7	269.3
67.5°	320.2	314.7	303.7	287.2	274.8	265.2	257.0	250.1	241.9	233.6	226.7
70°	274.8	266.6	259.7	244.6	233.6	224.0	215.7	207.5	203.4	195.1	192.4
72.5°	230.9	222.6	215.7	202.0	192.4	182.8	180.0	170.4	166.3	164.9	164.9
75°	185.5	178.6	174.5	162.2	153.9	147.0	142.9	140.2	137.4	134.7	130.5
77.5°	141.5	137.4	134.7	126.4	119.6	115.4	114.1	104.4	101.7	98.9	96.2
80°	103.1	101.7	98.9	92.1	89.3	79.7	79.7	77.0	75.6	75.6	75.6
82.5°	70.1	67.3	66.0	59.1	57.7	56.3	55.0	53.6	55.0	53.6	55.0
85°	37.1	35.7	34.4	34.4	34.4	34.4	34.4	34.4	34.4	33.0	34.4
87.5°	13.7	13.7	13.7	13.7	12.4	13.7	13.7	12.4	13.7	13.7	13.7
90°	9.8	10.7	11.4	12.7	14.1	15.4	16.8	17.8	18.8	19.9	20.9
92.5°	28.7	29.8	30.2	31.1	31.9	32.8	33.6	34.1	34.6	35.1	35.6
95°	51.9	52.7	53.3	54.5	55.6	56.8	58.0	58.5	59.0	59.5	60.0
97.5°	78.7	79.4	80.1	81.4	82.8	84.1	85.5	86.2	86.9	87.6	88.3
100°	109.6	109.9	110.7	112.2	113.7	115.3	116.8	117.1	117.5	117.8	118.1
102.5°	142.7	142.8	143.5	144.8	146.2	147.5	148.9	149.4	149.9	150.4	150.9
105°	178.5	178.6	178.9	179.6	180.3	181.0	181.7	182.2	182.7	183.2	183.7
107.5°	216.0	216.1	216.2	216.3	216.5	216.6	216.8	217.5	218.2	218.9	219.6
110°	254.8	255.0	254.9	254.7	254.6	254.4	254.2	253.9	253.5	253.2	252.9

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	293.2	293.2	293.0	292.7	292.3	292.0	291.6	291.6	291.6	291.6	291.6
115°	332.9	332.9	332.7	332.4	332.0	331.7	331.3	331.1	331.0	330.8	330.7
117.5°	370.3	370.3	370.2	370.0	369.9	369.7	369.5	369.0	368.5	368.0	367.5
120°	410.4	410.7	410.4	409.9	409.4	408.9	408.4	407.6	406.7	405.9	405.0
122.5°	447.3	447.4	447.3	447.1	447.0	446.8	446.6	446.1	445.6	445.1	444.6
125°	484.8	484.8	484.7	484.5	484.4	484.2	484.0	483.7	483.3	483.0	482.7
127.5°	521.1	521.4	521.2	520.9	520.6	520.2	519.9	519.6	519.2	518.9	518.6
130°	557.8	558.1	558.1	558.1	558.1	558.1	558.1	557.7	557.4	557.0	556.7
132.5°	594.5	594.7	594.6	594.5	594.3	594.2	594.0	593.6	593.3	592.9	592.6
135°	629.3	629.8	629.8	629.8	629.8	629.8	629.8	629.5	629.1	628.8	628.5
137.5°	663.1	663.4	663.6	663.9	664.2	664.6	664.9	664.4	663.9	663.4	662.9
140°	698.3	698.5	698.5	698.5	698.5	698.5	698.5	698.3	698.2	698.0	697.9
142.5°	731.2	731.4	731.3	731.1	731.0	730.8	730.6	730.6	730.6	730.6	730.6
145°	762.4	762.7	762.8	762.9	763.1	763.2	763.4	763.2	763.1	762.9	762.8
147.5°	793.6	794.0	793.9	793.7	793.6	793.4	793.2	793.0	792.8	792.7	792.5
150°	820.4	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
152.5°	844.9	845.1	845.2	845.4	845.5	845.7	845.9	846.4	846.9	847.4	847.9
155°	870.3	870.3	870.2	870.0	869.9	869.7	869.5	870.2	870.9	871.6	872.3
157.5°	891.9	891.7	891.7	891.7	891.7	891.7	891.7	892.2	892.7	893.2	893.7
160°	912.4	912.3	912.2	912.0	911.9	911.7	911.5	912.0	912.5	913.0	913.5
162.5°	929.4	929.1	929.0	928.8	928.7	928.5	928.3	929.3	930.3	931.4	932.4
165°	945.4	945.1	944.9	944.6	944.3	943.9	943.6	944.6	945.6	946.7	947.7
167.5°	957.6	957.3	957.3	957.3	957.3	957.3	957.3	958.3	959.3	960.4	961.4
170°	967.7	967.3	967.4	967.5	967.7	967.8	968.0	969.0	970.0	971.1	972.1
172.5°	976.0	975.7	975.7	975.7	975.7	975.7	975.7	976.9	978.1	979.2	980.4
175°	982.2	981.8	981.7	981.5	981.4	981.2	981.0	982.2	983.4	984.6	985.8
177.5°	985.2	984.8	984.8	984.8	984.8	984.8	984.8	986.0	987.2	988.4	989.6
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1611.9	1617.4	1610.6	1614.7	1605.1	1603.7	1605.1	1605.1	1606.4	1607.8	1609.2
5°	1521.2	1519.9	1511.6	1506.1	1502.0	1506.1	1508.9	1511.6	1508.9	1511.6	1513.0
7.5°	1436.0	1431.9	1427.8	1418.2	1420.9	1418.2	1426.4	1422.3	1422.3	1429.2	1434.7
10°	1360.5	1352.2	1349.5	1338.5	1330.2	1328.8	1338.5	1342.6	1346.7	1349.5	1360.5
12.5°	1262.9	1250.5	1240.9	1245.0	1221.7	1231.3	1234.0	1228.5	1245.0	1264.3	1253.3
15°	1158.4	1159.8	1140.6	1133.7	1114.5	1120.0	1121.3	1135.1	1148.8	1147.5	1163.9
17.5°	1081.5	1073.2	1056.8	1055.4	1047.1	1051.3	1049.9	1060.9	1056.8	1063.6	1077.4
20°	1010.0	1004.5	990.8	985.3	988.0	985.3	986.7	988.0	992.2	1007.3	1004.5
22.5°	953.7	946.8	946.8	940.0	931.7	929.0	935.8	940.0	945.4	948.2	955.1
25°	904.2	898.7	891.9	887.7	880.9	882.2	886.4	891.9	896.0	901.5	907.0
27.5°	853.4	853.4	846.5	845.1	842.4	841.0	846.5	849.3	849.3	853.4	858.9
30°	813.5	813.5	806.7	805.3	803.9	803.9	808.0	809.4	810.8	814.9	817.6
32.5°	775.0	773.7	770.9	772.3	770.9	772.3	772.3	773.7	776.4	777.8	783.3
35°	739.3	740.7	737.9	737.9	736.6	737.9	740.7	742.1	743.4	746.2	746.2
37.5°	705.0	707.7	706.3	710.5	710.5	710.5	710.5	713.2	713.2	713.2	711.8
40°	674.7	674.7	673.4	676.1	678.9	678.9	680.2	680.2	681.6	681.6	680.2
42.5°	640.4	643.1	647.2	648.6	651.4	650.0	654.1	652.7	654.1	651.4	648.6
45°	608.8	608.8	614.3	619.8	621.1	621.1	621.1	623.9	621.1	617.0	615.6
47.5°	574.4	577.2	579.9	586.8	588.2	588.2	588.2	588.2	585.4	585.4	585.4
50°	540.1	541.4	542.8	545.6	549.7	548.3	548.3	548.3	553.8	548.3	549.7
52.5°	498.8	500.2	501.6	507.1	505.7	505.7	507.1	507.1	511.2	509.8	507.1
55°	457.6	457.6	460.4	460.4	460.4	463.1	464.5	467.2	465.9	467.2	468.6
57.5°	416.4	413.6	412.3	412.3	416.4	415.0	416.4	416.4	421.9	424.6	426.0
60°	368.3	368.3	366.9	358.7	358.7	357.3	361.4	364.2	366.9	379.3	377.9
62.5°	318.8	313.3	307.8	309.2	300.9	305.1	302.3	305.1	313.3	322.9	324.3
65°	269.3	265.2	259.7	258.3	255.6	259.7	258.3	259.7	263.8	269.3	276.2
67.5°	225.4	224.0	221.2	219.9	219.9	219.9	222.6	222.6	224.0	228.1	232.2
70°	192.4	191.0	192.4	189.6	191.0	189.6	191.0	192.4	193.8	195.1	199.3
72.5°	162.2	162.2	162.2	159.4	162.2	160.8	160.8	162.2	163.5	164.9	167.7
75°	129.2	126.4	123.7	120.9	119.6	122.3	123.7	122.3	126.4	131.9	131.9
77.5°	97.6	96.2	96.2	96.2	97.6	96.2	98.9	97.6	98.9	98.9	101.7
80°	75.6	74.2	75.6	75.6	74.2	77.0	75.6	75.6	77.0	78.3	77.0
82.5°	55.0	56.3	55.0	55.0	55.0	57.7	55.0	55.0	55.0	56.3	56.3
85°	34.4	34.4	34.4	34.4	35.7	34.4	35.7	34.4	37.1	35.7	35.7
87.5°	12.4	13.7	15.1	15.1	15.1	15.1	13.7	15.1	16.5	15.1	16.5
90°	21.4	21.6	21.9	22.2	22.6	22.9	22.6	22.2	21.9	21.6	21.4
92.5°	35.9	36.0	36.1	36.3	36.4	36.6	36.4	36.3	36.1	36.0	35.9
95°	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
97.5°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
100°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
102.5°	151.2	151.3	151.4	151.6	151.7	151.9	151.7	151.6	151.4	151.3	151.2
105°	184.0	184.3	184.8	185.3	185.8	186.3	185.8	185.3	184.8	184.3	184.0
107.5°	219.9	219.8	219.6	219.5	219.3	219.1	219.3	219.5	219.6	219.8	219.9
110°	252.7	253.0	253.5	254.0	254.5	255.0	254.5	254.0	253.5	253.0	252.7

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
115°	330.6	330.5	330.3	330.2	330.0	329.8	330.0	330.2	330.3	330.5	330.6
117.5°	367.2	366.9	366.4	365.9	365.4	364.9	365.4	365.9	366.4	366.9	367.2
120°	404.6	404.8	405.1	405.4	405.8	406.1	405.8	405.4	405.1	404.8	404.6
122.5°	444.3	443.9	443.0	442.2	441.3	440.5	441.3	442.2	443.0	443.9	444.3
125°	482.5	482.3	482.0	481.7	481.3	481.0	481.3	481.7	482.0	482.3	482.5
127.5°	518.4	518.3	518.1	518.0	517.8	517.6	517.8	518.0	518.1	518.3	518.4
130°	556.5	556.2	555.5	554.8	554.2	553.5	554.2	554.8	555.5	556.2	556.5
132.5°	592.4	592.3	592.2	592.0	591.9	591.7	591.9	592.0	592.2	592.3	592.4
135°	628.3	628.0	627.5	627.0	626.5	626.0	626.5	627.0	627.5	628.0	628.3
137.5°	662.7	662.8	662.9	663.1	663.2	663.4	663.2	663.1	662.9	662.8	662.7
140°	697.8	697.7	697.5	697.4	697.2	697.0	697.2	697.4	697.5	697.7	697.8
142.5°	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6	730.6
145°	762.7	762.4	761.9	761.4	760.9	760.4	760.9	761.4	761.9	762.4	762.7
147.5°	792.4	792.3	792.2	792.0	791.9	791.7	791.9	792.0	792.2	792.3	792.4
150°	820.7	820.6	820.4	820.3	820.1	819.9	820.1	820.3	820.4	820.6	820.7
152.5°	848.2	847.9	847.4	846.9	846.4	845.9	846.4	846.9	847.4	847.9	848.2
155°	872.6	872.3	871.6	870.9	870.2	869.5	870.2	870.9	871.6	872.3	872.6
157.5°	894.0	893.7	893.2	892.7	892.2	891.7	892.2	892.7	893.2	893.7	894.0
160°	913.8	913.4	912.5	911.7	910.8	910.0	910.8	911.7	912.5	913.4	913.8
162.5°	932.9	932.5	931.6	930.8	929.9	929.1	929.9	930.8	931.6	932.5	932.9
165°	948.2	947.9	947.2	946.5	945.8	945.1	945.8	946.5	947.2	947.9	948.2
167.5°	961.9	961.4	960.4	959.3	958.3	957.3	958.3	959.3	960.4	961.4	961.9
170°	972.6	972.0	970.8	969.7	968.5	967.3	968.5	969.7	970.8	972.0	972.6
172.5°	981.0	980.4	979.2	978.1	976.9	975.7	976.9	978.1	979.2	980.4	981.0
175°	986.4	985.8	984.6	983.4	982.2	981.0	982.2	983.4	984.6	985.8	986.4
177.5°	990.2	989.5	988.2	986.8	985.5	984.1	985.5	986.8	988.2	989.5	990.2
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1614.7	1621.6	1618.8	1609.2	1613.3	1621.6	1629.8	1640.8	1647.7	1653.2	1655.9
5°	1519.9	1532.2	1529.5	1529.5	1535.0	1548.7	1562.5	1585.8	1594.1	1603.7	1617.4
7.5°	1436.0	1445.7	1453.9	1456.6	1464.9	1482.8	1500.6	1526.7	1547.3	1558.3	1566.6
10°	1361.8	1368.7	1381.1	1387.9	1396.2	1418.2	1444.3	1471.8	1492.4	1511.6	1522.6
12.5°	1267.0	1294.5	1311.0	1322.0	1333.0	1366.0	1386.6	1416.8	1441.5	1459.4	1475.9
15°	1161.2	1194.2	1203.8	1246.4	1273.9	1300.0	1331.6	1367.3	1390.7	1411.3	1433.3
17.5°	1071.9	1095.2	1106.2	1151.6	1174.9	1216.2	1261.5	1306.9	1342.6	1357.7	1379.7
20°	1015.5	1027.9	1049.9	1065.0	1089.7	1137.8	1187.3	1242.3	1295.9	1311.0	1333.0
22.5°	957.8	974.3	989.4	1010.0	1029.3	1062.3	1111.7	1172.2	1229.9	1257.4	1283.5
25°	905.6	922.1	931.7	953.7	971.6	1004.5	1038.9	1100.7	1169.4	1192.8	1234.0
27.5°	864.4	874.0	890.5	900.1	920.7	950.9	982.6	1029.3	1096.6	1136.5	1176.3
30°	823.1	830.0	843.8	857.5	872.6	893.2	929.0	974.3	1036.1	1070.5	1110.4
32.5°	781.9	792.9	801.2	810.8	827.3	852.0	876.7	920.7	970.2	1008.7	1048.5
35°	747.6	751.7	762.7	773.7	784.7	806.7	832.8	875.4	919.3	949.6	985.3
37.5°	710.5	717.3	725.6	729.7	747.6	761.3	788.8	821.8	874.0	893.2	929.0
40°	681.6	680.2	688.5	695.3	703.6	725.6	742.1	777.8	819.0	849.3	871.2
42.5°	645.9	645.9	648.6	656.9	667.9	681.6	700.8	731.1	773.7	795.7	821.8
45°	617.0	612.9	614.3	619.8	626.6	640.4	659.6	685.7	728.3	746.2	773.7
47.5°	582.7	578.5	578.5	584.0	589.5	599.2	614.3	644.5	678.9	702.2	722.8
50°	544.2	545.6	544.2	548.3	551.1	560.7	577.2	601.9	633.5	652.7	676.1
52.5°	508.5	505.7	504.3	507.1	512.6	519.4	537.3	559.3	589.5	608.8	629.4
55°	464.5	467.2	467.2	467.2	475.5	478.2	492.0	514.0	544.2	559.3	578.5
57.5°	424.6	423.3	426.0	424.6	431.5	441.1	452.1	468.6	498.8	514.0	531.8
60°	380.7	382.0	383.4	383.4	388.9	398.5	410.9	426.0	450.7	465.9	482.3
62.5°	327.1	333.9	340.8	343.5	351.8	358.7	366.9	383.4	405.4	416.4	431.5
65°	276.2	285.8	295.5	302.3	307.8	314.7	325.7	340.8	358.7	369.7	384.8
67.5°	232.2	239.1	251.5	258.3	269.3	277.6	284.5	296.8	318.8	322.9	335.3
70°	200.6	203.4	208.9	214.4	226.7	233.6	241.9	254.2	270.7	280.3	287.2
72.5°	169.0	170.4	173.1	178.6	184.1	192.4	202.0	213.0	228.1	232.2	241.9
75°	134.7	142.9	142.9	147.0	151.2	155.3	163.5	174.5	184.1	191.0	196.5
77.5°	100.3	104.4	107.2	114.1	119.6	123.7	129.2	137.4	142.9	148.4	152.5
80°	78.3	79.7	81.1	81.1	83.8	89.3	94.8	100.3	107.2	109.9	114.1
82.5°	57.7	57.7	57.7	60.5	61.8	63.2	63.2	66.0	72.8	75.6	79.7
85°	37.1	37.1	37.1	37.1	38.5	39.9	41.2	42.6	42.6	42.6	45.3
87.5°	15.1	17.9	16.5	17.9	17.9	17.9	17.9	19.2	19.2	20.6	20.6
90°	20.9	19.9	18.8	17.8	16.8	15.4	14.1	12.7	11.4	10.7	9.8
92.5°	35.6	35.1	34.6	34.1	33.6	32.8	31.9	31.1	30.2	29.8	28.7
95°	60.0	59.5	59.0	58.5	58.0	56.8	55.6	54.5	53.3	52.7	51.9
97.5°	88.3	87.6	86.9	86.2	85.5	84.1	82.8	81.4	80.1	79.4	78.7
100°	118.1	117.8	117.5	117.1	116.8	115.3	113.7	112.2	110.7	109.9	109.6
102.5°	150.9	150.4	149.9	149.4	148.9	147.5	146.2	144.8	143.5	142.8	142.7
105°	183.7	183.2	182.7	182.2	181.7	181.0	180.3	179.6	178.9	178.6	178.5
107.5°	219.6	218.9	218.2	217.5	216.8	216.6	216.5	216.3	216.2	216.1	216.0
110°	252.9	253.2	253.5	253.9	254.2	254.4	254.6	254.7	254.9	255.0	254.8

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	291.6	291.6	291.6	291.6	291.6	292.0	292.3	292.7	293.0	293.2	293.2
115°	330.7	330.8	331.0	331.1	331.3	331.7	332.0	332.4	332.7	332.9	332.9
117.5°	367.5	368.0	368.5	369.0	369.5	369.7	369.9	370.0	370.2	370.3	370.3
120°	405.0	405.9	406.7	407.6	408.4	408.9	409.4	409.9	410.4	410.7	410.4
122.5°	444.6	445.1	445.6	446.1	446.6	446.8	447.0	447.1	447.3	447.4	447.3
125°	482.7	483.0	483.3	483.7	484.0	484.2	484.4	484.5	484.7	484.8	484.8
127.5°	518.6	518.9	519.2	519.6	519.9	520.2	520.6	520.9	521.2	521.4	521.1
130°	556.7	557.0	557.4	557.7	558.1	558.1	558.1	558.1	558.1	558.1	557.8
132.5°	592.6	592.9	593.3	593.6	594.0	594.2	594.3	594.5	594.6	594.7	594.5
135°	628.5	628.8	629.1	629.5	629.8	629.8	629.8	629.8	629.8	629.8	629.3
137.5°	662.9	663.4	663.9	664.4	664.9	664.6	664.2	663.9	663.6	663.4	663.1
140°	697.9	698.0	698.2	698.3	698.5	698.5	698.5	698.5	698.5	698.5	698.3
142.5°	730.6	730.6	730.6	730.6	730.6	730.8	731.0	731.1	731.3	731.4	731.2
145°	762.8	762.9	763.1	763.2	763.4	763.2	763.1	762.9	762.8	762.7	762.4
147.5°	792.5	792.7	792.8	793.0	793.2	793.4	793.6	793.7	793.9	794.0	793.6
150°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.4
152.5°	847.9	847.4	846.9	846.4	845.9	845.7	845.5	845.4	845.2	845.1	844.9
155°	872.3	871.6	870.9	870.2	869.5	869.7	869.9	870.0	870.2	870.3	870.3
157.5°	893.7	893.2	892.7	892.2	891.7	891.7	891.7	891.7	891.7	891.7	891.9
160°	913.5	913.0	912.5	912.0	911.5	911.7	911.9	912.0	912.2	912.3	912.4
162.5°	932.4	931.4	930.3	929.3	928.3	928.5	928.7	928.8	929.0	929.1	929.4
165°	947.7	946.7	945.6	944.6	943.6	943.9	944.3	944.6	944.9	945.1	945.4
167.5°	961.4	960.4	959.3	958.3	957.3	957.3	957.3	957.3	957.3	957.3	957.6
170°	972.1	971.1	970.0	969.0	968.0	967.8	967.7	967.5	967.4	967.3	967.7
172.5°	980.4	979.2	978.1	976.9	975.7	975.7	975.7	975.7	975.7	975.7	976.0
175°	985.8	984.6	983.4	982.2	981.0	981.2	981.4	981.5	981.7	981.8	982.2
177.5°	989.6	988.4	987.2	986.0	984.8	984.8	984.8	984.8	984.8	984.8	985.2
180°	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1705.4	1705.4	1705.4	1705.4
2.5°	1666.9	1675.1	1688.9	1708.1
5°	1628.4	1651.8	1673.8	1702.6
7.5°	1594.1	1621.6	1651.8	1693.0
10°	1554.2	1588.6	1627.1	1677.9
12.5°	1507.5	1555.6	1599.6	1654.5
15°	1473.1	1508.9	1565.2	1629.8
17.5°	1425.0	1473.1	1529.5	1602.3
20°	1379.7	1430.5	1493.8	1569.3
22.5°	1331.6	1389.3	1452.5	1533.6
25°	1282.1	1344.0	1407.2	1493.8
27.5°	1236.8	1293.1	1364.6	1452.5
30°	1181.8	1246.4	1315.1	1407.2
32.5°	1128.2	1195.6	1265.6	1357.7
35°	1070.5	1137.8	1214.8	1302.7
37.5°	1014.2	1088.4	1158.4	1243.6
40°	952.3	1029.3	1102.1	1188.7
42.5°	891.9	971.6	1044.4	1118.6
45°	835.5	913.8	979.8	1049.9
47.5°	781.9	852.0	919.3	982.6
50°	729.7	788.8	850.6	902.8
52.5°	674.7	731.1	780.5	827.3
55°	625.3	669.2	713.2	755.8
57.5°	566.2	610.1	648.6	681.6
60°	516.7	544.2	581.3	615.6
62.5°	460.4	492.0	520.8	542.8
65°	405.4	432.9	454.9	474.1
67.5°	358.7	375.2	391.6	412.3
70°	302.3	316.1	335.3	350.4
72.5°	254.2	265.2	274.8	292.7
75°	206.1	215.7	221.2	237.7
77.5°	159.4	169.0	173.1	182.8
80°	122.3	123.7	129.2	137.4
82.5°	83.8	86.6	87.9	94.8
85°	48.1	55.0	53.6	56.3
87.5°	20.6	22.0	24.7	27.5
90°	7.9	6.0	4.2	2.3
92.5°	26.5	24.2	22.0	19.8
95°	50.4	48.9	47.3	45.8
97.5°	77.4	76.0	74.7	73.3
100°	108.9	108.2	107.6	106.9
102.5°	142.5	142.4	142.2	142.0
105°	178.4	178.2	178.1	177.9
107.5°	215.8	215.7	215.5	215.3
110°	254.5	254.2	253.8	253.5

TEST NUMBER: P1026056

CATALOG NUMBER: S124RDIP-B1020D810UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	293.2	293.2	293.2	293.2
115°	332.9	332.9	332.9	332.9
117.5°	370.3	370.3	370.3	370.3
120°	409.7	409.0	408.4	407.7
122.5°	447.1	447.0	446.8	446.6
125°	484.8	484.8	484.8	484.8
127.5°	520.6	520.1	519.6	519.1
130°	557.3	556.8	556.3	555.8
132.5°	594.2	593.9	593.5	593.2
135°	628.3	627.3	626.3	625.3
137.5°	662.6	662.1	661.6	661.1
140°	698.0	697.7	697.3	697.0
142.5°	730.9	730.5	730.2	729.8
145°	761.7	761.0	760.3	759.6
147.5°	792.7	791.9	791.0	790.2
150°	819.7	819.0	818.3	817.6
152.5°	844.6	844.3	843.9	843.6
155°	870.3	870.3	870.3	870.3
157.5°	892.2	892.5	892.9	893.2
160°	912.6	912.7	912.9	913.1
162.5°	929.9	930.4	930.9	931.4
165°	945.9	946.4	946.9	947.4
167.5°	958.3	959.0	959.7	960.4
170°	968.6	969.4	970.3	971.1
172.5°	976.7	977.4	978.0	978.7
175°	983.1	983.9	984.8	985.6
177.5°	986.1	986.9	987.8	988.6
180°	987.1	987.1	987.1	987.1

(END OF REPORT)