

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: P1026069

Luminaire Tested: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026069
REPORT IS A COMBINATION OF REPORTS P999009 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4
Description: Define 4 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

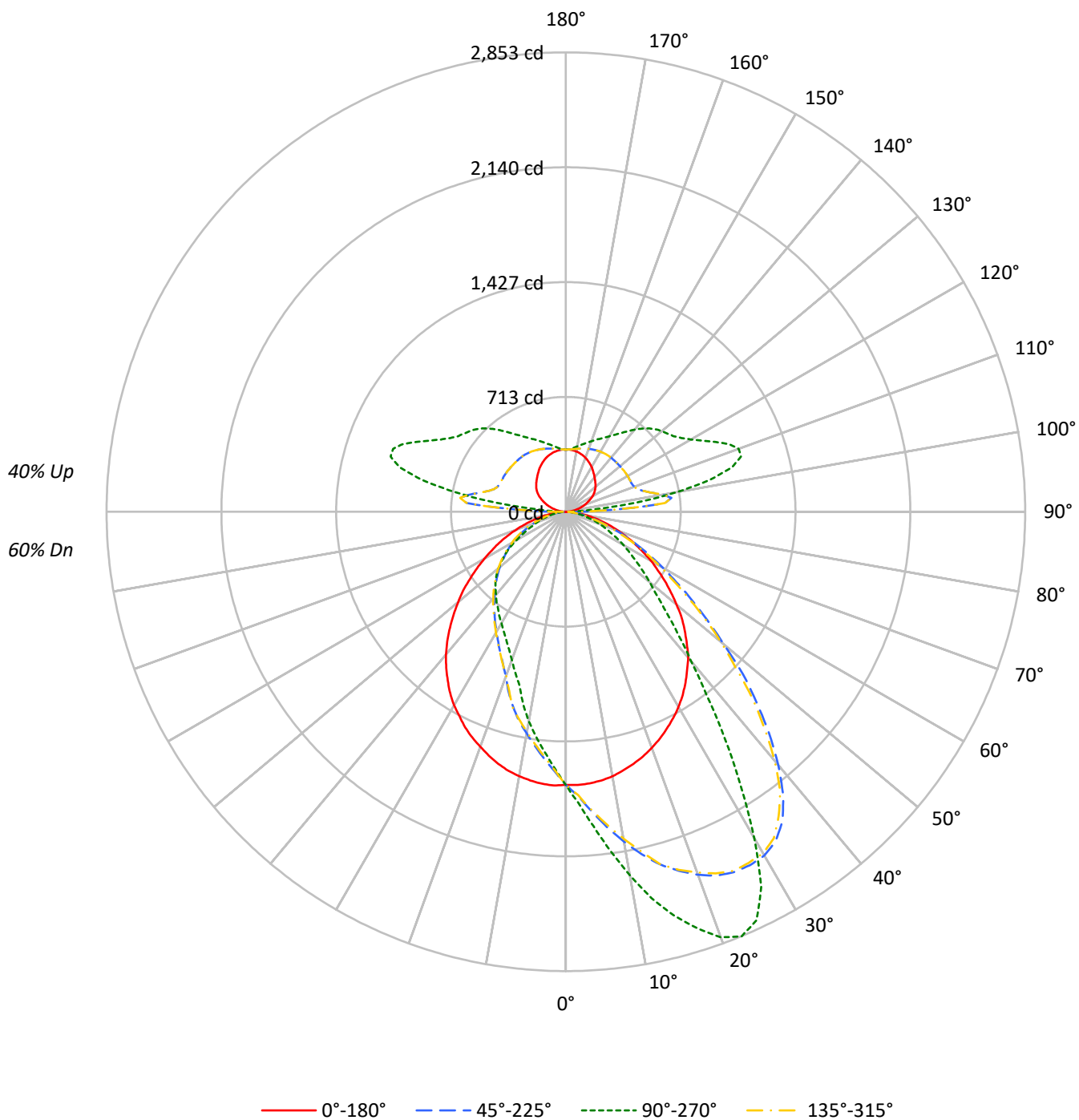
Lumens per Lamp: N/A
Luminaire Lumens: 7103.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66
1	101	97	93	89	94	90	87	84	79	77	74	69	67	65	59	58	57
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	50	49
3	84	75	68	62	79	71	64	59	62	57	53	54	51	47	47	44	42
4	77	67	59	53	72	63	56	51	56	50	46	49	45	41	42	39	37
5	71	60	52	46	67	56	49	44	50	44	40	44	39	36	38	35	32
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25
8	57	45	37	32	53	42	35	30	38	32	28	33	29	25	29	26	23
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	27	24	21
10	50	37	30	25	46	36	29	25	32	26	23	29	24	21	25	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13829	13829	13829	13829
5°	13830	15626	13852	11943
10°	13756	18013	13744	10387
15°	13591	20273	13591	8696
20°	13420	21981	13350	7658
25°	13211	22075	13150	6916
30°	12988	18771	12887	6406
35°	12675	14163	12514	6026
40°	12325	10264	12082	5730
45°	11746	7801	11455	5467
50°	11060	6304	10757	5082
55°	10317	5220	9979	4569
60°	9570	4414	9143	3800
65°	8635	3596	8358	3021
70°	7775	2916	7409	2454
75°	6813	2101	6340	1798
80°	5622	1392	5116	1321
85°	4075	717	3384	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 17312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	2.3
10°-20°	495.9	7.0
20°-30°	776.8	10.9
30°-40°	862.6	12.1
40°-50°	764.4	10.8
50°-60°	595.7	8.4
60°-70°	389.7	5.5
70°-80°	191.2	2.7
80°-90°	48.1	0.7
90°-100°	280.1	3.9
100°-110°	584.7	8.2
110°-120°	519.8	7.3
120°-130°	437.5	6.2
130°-140°	365.0	5.1
140°-150°	278.7	3.9
150°-160°	195.9	2.8
160°-170°	115.2	1.6
170°-180°	37.5	0.5
0°-30°	1436.9	20.2
0°-40°	2299.5	32.4
0°-60°	3659.6	51.5
0°-90°	4288.5	60.4
90°-120°	1384.6	19.5
90°-150°	2465.8	34.7
90°-180°	2814.0	39.6
0°-180°	7103.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1696	1696	1696	1696	1696	
5°	1693	1960	1696	1498	1693	161
15°	1621	2596	1621	1114	1621	457
25°	1485	2800	1479	877	1485	685
35°	1296	1725	1279	734	1296	810
45°	1044	881	1018	618	1044	805
55°	752	526	727	460	752	672
65°	472	308	456	258	472	470
75°	236	142	220	122	236	251
85°	56	34	46	34	56	63
90°	1	16	1	16	1	5
95°	25	185	25	185	25	27
105°	89	1068	89	1068	89	95
115°	156	1026	156	1026	156	155
125°	218	818	218	818	218	194
135°	259	732	259	732	259	200
145°	298	598	298	598	298	187
155°	339	500	339	500	339	157
165°	370	436	370	436	370	104
175°	386	393	386	393	386	37
180°	386	386	386	386	386	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1698.6	1713.7	1721.9	1728.7	1742.3	1747.8	1758.7	1761.5	1772.4	1771.0	1766.9
5°	1693.2	1719.1	1738.2	1758.7	1783.3	1797.0	1812.0	1833.9	1844.8	1859.9	1869.4
7.5°	1683.6	1719.1	1750.5	1782.0	1821.6	1843.5	1862.6	1896.8	1925.5	1950.1	1977.4
10°	1668.6	1713.7	1760.1	1802.5	1857.1	1883.1	1911.8	1962.4	2002.0	2036.2	2079.9
12.5°	1645.3	1708.2	1760.1	1817.5	1887.2	1922.7	1961.0	2021.1	2067.6	2123.6	2178.3
15°	1620.7	1690.4	1758.7	1833.9	1913.2	1954.2	1992.4	2073.1	2144.1	2208.3	2268.5
17.5°	1593.4	1669.9	1745.1	1828.4	1924.1	1974.7	2019.8	2116.8	2194.7	2278.0	2338.2
20°	1560.6	1644.0	1730.0	1823.0	1930.9	1987.0	2037.5	2148.2	2234.3	2324.5	2399.7
22.5°	1525.1	1615.3	1709.6	1810.7	1922.7	1984.2	2043.0	2161.9	2261.6	2345.0	2446.1
25°	1485.4	1581.1	1678.1	1784.7	1910.4	1977.4	2037.5	2155.0	2261.6	2371.0	2469.4
27.5°	1444.4	1542.8	1644.0	1756.0	1884.5	1950.1	2018.4	2131.8	2256.2	2375.1	2474.8
30°	1399.3	1495.0	1601.6	1708.2	1844.8	1910.4	1980.1	2103.1	2238.4	2357.3	2465.3
32.5°	1350.1	1448.5	1549.7	1660.4	1794.3	1865.3	1929.6	2069.0	2207.0	2324.5	2425.6
35°	1295.5	1388.4	1484.1	1597.5	1730.0	1794.3	1870.8	2015.7	2155.0	2279.4	2345.0
37.5°	1236.7	1325.6	1414.4	1526.4	1653.5	1731.4	1806.6	1952.8	2100.4	2183.7	2217.9
40°	1182.1	1260.0	1337.9	1445.8	1574.3	1654.9	1731.4	1883.1	2012.9	2077.2	2051.2
42.5°	1112.4	1193.0	1262.7	1362.4	1492.3	1567.4	1645.3	1802.5	1907.7	1933.7	1869.4
45°	1044.0	1111.0	1178.0	1275.0	1411.6	1475.9	1559.2	1705.5	1792.9	1769.7	1675.4
47.5°	977.1	1031.7	1094.6	1188.9	1311.9	1388.4	1466.3	1593.4	1654.9	1622.1	1490.9
50°	897.8	952.5	1018.1	1100.1	1219.0	1292.8	1354.2	1471.8	1518.2	1437.6	1279.1
52.5°	822.7	870.5	926.5	1003.0	1116.5	1183.4	1250.4	1351.5	1366.5	1273.6	1106.9
55°	751.6	789.9	848.6	910.1	1014.0	1085.0	1131.5	1217.6	1213.5	1097.3	953.9
57.5°	677.8	713.3	753.0	817.2	915.6	968.9	1019.4	1094.6	1055.0	956.6	814.5
60°	612.2	632.7	672.3	733.8	817.2	863.7	903.3	944.3	910.1	803.5	694.2
62.5°	539.8	563.0	591.7	640.9	714.7	758.4	787.1	804.9	769.4	687.4	587.6
65°	471.5	492.0	522.0	565.8	621.8	654.6	669.6	681.9	662.8	569.9	490.6
67.5°	410.0	423.6	451.0	479.7	539.8	548.0	568.5	574.0	535.7	464.6	401.8
70°	348.5	362.1	374.4	408.6	435.9	451.0	455.1	455.1	416.8	370.3	318.4
72.5°	291.1	299.3	311.6	334.8	349.8	360.8	366.2	359.4	323.9	285.6	247.3
75°	236.4	240.5	251.4	266.5	278.8	274.7	273.3	265.1	239.1	211.8	190.0
77.5°	181.8	184.5	196.8	200.9	200.9	205.0	199.5	191.3	169.5	149.0	139.4
80°	136.7	140.8	142.1	144.9	142.1	142.1	138.0	124.4	113.4	103.9	97.0
82.5°	94.3	97.0	98.4	94.3	97.0	92.9	86.1	76.5	69.7	68.3	65.6
85°	56.0	57.4	56.0	56.0	51.9	50.6	45.1	43.7	41.0	41.0	39.6
87.5°	27.3	26.0	23.2	20.5	20.5	19.1	20.5	17.8	20.5	19.1	17.8
90°	0.8	2.3	4.6	5.3	6.1	6.1	6.1	10.6	10.6	12.1	13.7
92.5°	10.6	15.2	23.5	34.9	48.6	58.4	68.3	115.4	189.0	260.4	297.6
95°	25.1	27.3	34.9	44.8	63.0	79.0	94.9	160.9	285.5	466.9	618.7
97.5°	41.8	41.8	48.6	57.7	73.6	87.3	101.0	153.4	260.4	447.2	662.0
100°	57.7	57.7	63.0	72.1	86.5	98.6	110.8	155.6	241.4	396.3	610.4
102.5°	72.9	74.4	79.0	87.3	101.0	112.4	123.7	163.2	236.1	362.1	545.9
105°	88.8	91.1	94.9	104.0	117.7	128.7	139.7	176.1	239.1	345.4	498.0
107.5°	106.3	107.8	111.6	121.5	134.4	145.4	156.4	189.8	248.3	340.9	466.9
110°	123.7	125.3	129.1	138.2	151.8	162.0	172.3	205.7	258.9	342.4	452.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	140.5	142.0	146.5	154.9	168.5	178.8	189.0	220.9	270.3	347.0	445.6
115°	156.4	158.7	164.0	171.6	186.0	196.2	206.5	236.9	282.4	353.0	444.1
117.5°	173.1	175.4	179.9	188.3	201.9	212.6	223.2	252.1	294.6	359.1	443.4
120°	189.8	191.3	196.6	205.0	217.9	228.5	239.1	268.0	307.5	365.9	443.4
122.5°	205.0	206.5	211.8	219.4	233.8	244.0	254.3	283.2	319.6	372.8	442.6
125°	217.9	220.9	225.5	233.8	248.3	258.9	269.5	296.8	331.8	379.6	441.9
127.5°	230.0	232.3	237.6	246.7	261.9	272.5	283.2	309.8	342.4	384.9	440.3
130°	239.9	242.9	249.0	260.4	274.8	285.8	296.8	322.7	352.3	391.0	439.6
132.5°	249.8	252.1	260.4	271.0	287.0	297.2	307.5	333.3	362.1	396.3	438.8
135°	258.9	261.9	269.5	282.4	298.4	308.2	318.1	343.2	370.5	401.6	438.1
137.5°	268.0	271.0	279.4	291.5	308.2	317.7	327.2	350.7	376.6	404.7	438.1
140°	277.9	280.1	288.5	301.4	317.3	326.5	335.6	358.3	382.6	408.4	437.3
142.5°	288.5	290.8	298.4	310.5	325.7	334.4	343.2	365.2	387.2	411.5	437.3
145°	298.4	300.6	308.2	318.9	333.3	341.6	350.0	369.7	390.2	412.2	435.8
147.5°	309.8	310.5	317.3	328.7	340.9	348.5	356.1	375.0	393.3	413.0	433.5
150°	320.4	321.1	327.2	336.3	347.7	354.9	362.1	378.8	395.5	413.0	431.2
152.5°	330.3	330.3	336.3	344.7	354.5	361.0	367.5	381.9	397.1	411.5	427.4
155°	339.4	340.1	344.7	352.3	360.6	366.3	372.0	384.9	397.8	410.0	423.6
157.5°	348.5	348.5	353.0	359.1	366.7	371.2	375.8	387.2	397.8	408.4	419.8
160°	356.8	356.8	359.9	365.2	371.2	375.4	379.6	388.7	397.8	406.2	415.3
162.5°	364.4	363.7	365.9	370.5	375.8	378.8	381.9	390.2	397.8	403.9	410.7
165°	369.7	369.7	371.2	375.0	378.8	381.1	383.4	390.2	396.3	400.9	406.2
167.5°	375.8	375.0	375.8	378.8	381.1	383.0	384.9	390.2	394.8	397.8	401.6
170°	379.6	378.8	379.6	381.9	383.4	384.5	385.7	389.5	393.3	394.8	397.1
172.5°	383.4	382.6	382.6	384.2	384.9	385.6	386.4	388.7	391.7	391.7	392.5
175°	385.7	384.9	384.9	385.7	386.4	386.4	386.4	388.0	390.2	389.5	389.5
177.5°	387.2	386.4	385.7	386.4	386.4	386.4	386.4	387.2	388.7	387.2	387.2
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1777.9	1792.9	1794.3	1807.9	1803.8	1797.0	1809.3	1801.1	1817.5	1812.0	1818.9
5°	1881.7	1902.2	1920.0	1930.9	1950.1	1946.0	1966.5	1959.6	1974.7	1959.6	1978.8
7.5°	2003.4	2037.5	2055.3	2084.0	2092.2	2093.6	2118.1	2123.6	2133.2	2123.6	2134.5
10°	2122.2	2163.2	2204.2	2227.5	2242.5	2263.0	2284.9	2294.4	2301.3	2291.7	2298.5
12.5°	2230.2	2294.4	2339.5	2386.0	2396.9	2414.7	2437.9	2435.2	2462.5	2457.1	2469.4
15°	2330.0	2401.0	2455.7	2492.6	2522.6	2537.7	2581.4	2584.1	2582.8	2596.4	2588.2
17.5°	2418.8	2478.9	2556.8	2604.6	2641.5	2641.5	2666.1	2716.7	2712.6	2711.2	2719.4
20°	2491.2	2559.5	2632.0	2712.6	2742.7	2748.1	2782.3	2808.3	2812.4	2812.4	2812.4
22.5°	2545.9	2626.5	2704.4	2761.8	2785.0	2804.2	2834.2	2850.6	2856.1	2853.4	2856.1
25°	2573.2	2649.7	2729.0	2780.9	2794.6	2805.5	2808.3	2817.8	2816.5	2800.1	2809.6
27.5°	2578.7	2652.5	2704.4	2718.1	2711.2	2704.4	2660.7	2664.8	2652.5	2627.9	2637.4
30°	2554.1	2593.7	2592.3	2550.0	2537.7	2509.0	2469.4	2410.6	2362.8	2342.3	2349.1
32.5°	2465.3	2465.3	2416.1	2320.4	2278.0	2226.1	2155.0	2101.8	2038.9	2025.2	2051.2
35°	2342.3	2272.6	2182.4	2056.7	1992.4	1954.2	1831.2	1792.9	1739.6	1724.6	1736.9
37.5°	2150.9	2034.8	1903.6	1786.1	1731.4	1663.1	1555.1	1500.5	1462.2	1436.2	1448.5
40°	1936.4	1795.6	1659.0	1514.1	1454.0	1398.0	1317.4	1268.2	1206.7	1209.4	1213.5
42.5°	1731.4	1566.1	1413.0	1279.1	1221.7	1175.2	1119.2	1059.1	1037.2	1030.4	1023.5
45°	1514.1	1337.9	1194.4	1094.6	1042.7	998.9	947.0	912.9	886.9	881.4	888.3
47.5°	1309.2	1160.2	1023.5	930.6	888.3	866.4	825.4	794.0	777.6	763.9	772.1
50°	1123.3	983.9	874.6	796.7	766.6	751.6	713.3	696.9	680.5	676.4	675.1
52.5°	970.2	851.4	757.1	694.2	671.0	662.8	634.1	610.8	597.2	601.3	604.0
55°	830.9	729.7	655.9	605.4	586.2	576.7	556.2	539.8	530.2	526.1	528.9
57.5°	707.9	620.4	567.1	526.1	511.1	507.0	485.1	479.7	472.8	468.7	468.7
60°	595.8	534.3	485.1	461.9	445.5	441.4	425.0	418.2	416.8	412.7	410.0
62.5°	501.5	451.0	416.8	392.2	385.4	384.0	373.1	364.9	360.8	358.0	358.0
65°	419.5	382.6	353.9	336.2	330.7	328.0	315.7	312.9	310.2	307.5	306.1
67.5°	349.8	317.0	296.5	284.2	277.4	278.8	271.9	266.5	266.5	265.1	263.7
70°	282.9	262.4	244.6	237.8	235.0	232.3	229.6	225.5	224.1	224.1	224.1
72.5°	222.7	209.1	199.5	195.4	192.7	190.0	187.2	187.2	187.2	185.9	185.9
75°	170.8	165.4	158.5	154.4	154.4	157.2	153.1	149.0	144.9	142.1	143.5
77.5°	128.5	125.7	121.6	114.8	116.2	113.4	113.4	110.7	112.1	112.1	109.3
80°	94.3	90.2	88.8	84.7	86.1	84.7	83.4	83.4	80.6	80.6	80.6
82.5°	65.6	61.5	61.5	60.1	58.8	58.8	57.4	57.4	58.8	56.0	56.0
85°	39.6	38.3	38.3	35.5	35.5	35.5	35.5	36.9	35.5	34.2	34.2
87.5°	17.8	19.1	17.8	16.4	16.4	16.4	15.0	15.0	13.7	15.0	15.0
90°	12.9	13.7	14.4	15.2	15.2	15.2	15.9	16.7	15.9	15.9	15.9
92.5°	247.5	183.0	136.7	107.8	98.3	88.8	77.4	72.1	69.1	69.1	69.1
95°	636.2	562.6	444.9	343.2	306.4	269.5	232.3	208.8	195.1	185.2	195.1
97.5°	797.9	810.1	751.6	668.1	625.6	583.1	531.4	485.9	463.1	444.9	463.1
100°	804.7	915.6	930.8	893.6	865.5	837.4	771.3	725.0	702.3	696.2	702.3
102.5°	747.8	910.3	1000.6	1023.4	1015.8	1008.2	974.1	943.7	919.4	914.8	919.4
105°	676.4	850.3	981.6	1056.8	1072.4	1087.9	1089.4	1083.4	1072.7	1068.2	1072.7
107.5°	618.0	776.7	918.6	1023.4	1055.3	1087.2	1120.6	1134.2	1140.3	1141.1	1140.3
110°	576.2	711.4	842.7	952.8	994.6	1036.3	1090.2	1122.1	1135.8	1142.6	1135.8

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	552.7	663.5	775.9	878.4	920.2	961.9	1024.9	1065.2	1085.7	1097.8	1085.7
115°	539.8	634.7	728.1	816.9	853.4	889.8	949.8	995.3	1019.6	1025.7	1019.6
117.5°	533.0	618.0	696.9	769.1	801.0	832.8	886.0	925.5	951.3	955.1	951.3
120°	527.6	607.4	678.0	738.7	765.7	792.6	835.9	869.3	889.0	897.4	889.0
122.5°	521.6	598.2	665.8	719.7	742.5	765.3	800.2	827.5	843.5	851.8	843.5
125°	514.7	587.6	652.9	705.3	726.2	747.1	777.4	799.4	813.9	818.4	813.9
127.5°	505.6	575.5	638.5	690.9	710.6	730.3	760.7	780.5	792.6	797.2	792.6
130°	497.3	560.3	620.3	671.9	692.0	712.1	743.3	762.2	774.4	778.9	774.4
132.5°	489.7	544.3	599.8	649.9	670.0	690.1	720.5	742.5	753.9	758.4	753.9
135°	482.1	529.9	579.3	625.6	644.6	663.5	693.9	715.2	727.3	731.9	727.3
137.5°	475.3	516.3	559.5	599.8	617.2	634.7	663.5	685.6	695.4	700.7	695.4
140°	469.9	504.9	540.5	574.7	590.7	606.6	633.2	649.9	660.5	666.6	660.5
142.5°	465.4	494.2	524.6	552.7	566.0	579.3	602.0	617.2	626.3	630.1	626.3
145°	460.1	484.4	510.2	533.0	543.6	554.2	573.2	586.1	593.7	597.5	593.7
147.5°	455.5	476.0	497.3	516.3	525.0	533.7	548.1	559.5	565.6	567.1	565.6
150°	450.2	468.4	485.9	501.1	507.9	514.7	526.9	536.8	541.3	542.1	541.3
152.5°	444.1	460.1	474.5	488.2	493.5	498.8	508.7	516.3	518.5	519.3	518.5
155°	438.1	451.7	463.9	475.3	479.8	484.4	492.0	498.0	500.3	500.3	500.3
157.5°	432.0	442.6	453.2	463.1	466.9	470.7	476.8	481.3	482.8	482.8	482.8
160°	425.2	434.3	442.6	451.0	454.0	457.0	461.6	466.1	466.9	466.9	466.9
162.5°	419.1	425.9	432.7	438.8	441.4	444.1	447.2	451.7	452.5	451.7	452.5
165°	412.2	418.3	422.9	428.2	430.1	432.0	435.0	438.1	437.3	436.5	437.3
167.5°	406.2	410.7	414.5	419.1	420.2	421.4	422.9	425.2	425.2	424.4	425.2
170°	400.1	403.9	406.2	409.2	410.4	411.5	413.0	413.8	413.0	413.0	413.0
172.5°	394.8	397.8	399.3	400.9	401.6	402.4	403.1	403.9	403.1	401.6	403.1
175°	391.0	392.5	393.3	394.8	394.8	394.8	394.8	396.3	394.8	393.3	394.8
177.5°	388.0	388.7	389.5	389.5	389.8	390.2	389.5	390.2	388.7	387.2	388.7
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1823.0	1813.4	1812.0	1812.0	1797.0	1805.2	1788.8	1771.0	1762.8	1762.8	1747.8
5°	1974.7	1965.1	1955.5	1940.5	1940.5	1932.3	1906.3	1880.4	1861.2	1844.8	1827.1
7.5°	2130.4	2120.9	2093.6	2078.5	2086.7	2070.3	2036.2	1992.4	1959.6	1933.7	1896.8
10°	2299.9	2273.9	2260.3	2252.1	2223.4	2205.6	2166.0	2101.8	2060.8	2026.6	1978.8
12.5°	2437.9	2446.1	2394.2	2398.3	2369.6	2345.0	2283.5	2222.0	2160.5	2112.7	2041.6
15°	2586.9	2562.3	2530.8	2506.2	2496.7	2466.6	2414.7	2332.7	2265.7	2190.6	2109.9
17.5°	2704.4	2685.3	2655.2	2632.0	2611.5	2539.0	2495.3	2422.9	2331.3	2257.5	2159.1
20°	2804.2	2786.4	2744.0	2729.0	2692.1	2640.2	2577.3	2465.3	2383.3	2302.6	2207.0
22.5°	2846.5	2828.8	2791.9	2772.7	2749.5	2698.9	2638.8	2532.2	2431.1	2330.0	2228.8
25°	2811.0	2811.0	2793.2	2786.4	2765.9	2720.8	2659.3	2569.1	2461.2	2351.8	2231.6
27.5°	2638.8	2673.0	2685.3	2692.1	2692.1	2693.5	2651.1	2563.6	2458.4	2351.8	2226.1
30°	2390.1	2447.5	2498.0	2513.1	2539.0	2567.7	2585.5	2543.1	2448.9	2336.8	2211.1
32.5°	2077.2	2150.9	2245.2	2268.5	2304.0	2390.1	2437.9	2455.7	2403.8	2305.4	2171.4
35°	1765.6	1858.5	1915.9	1987.0	2019.8	2146.8	2253.4	2317.7	2305.4	2246.6	2125.0
37.5°	1493.6	1546.9	1616.6	1691.8	1757.4	1879.0	2011.6	2135.9	2186.5	2157.8	2066.2
40°	1232.6	1295.5	1378.8	1440.3	1485.4	1607.1	1771.0	1906.3	2017.0	2034.8	1978.8
42.5°	1048.1	1111.0	1161.6	1228.5	1264.1	1381.6	1526.4	1695.9	1827.1	1896.8	1872.2
45°	906.0	944.3	985.3	1023.5	1067.3	1171.1	1305.1	1490.9	1638.5	1736.9	1746.4
47.5°	781.7	815.8	851.4	886.9	911.5	992.1	1115.1	1266.8	1428.0	1563.3	1616.6
50°	694.2	710.6	736.6	757.1	785.8	855.5	953.9	1085.0	1255.9	1402.1	1471.8
52.5°	608.1	628.6	649.1	666.9	686.0	735.2	825.4	938.8	1086.4	1236.7	1322.8
55°	535.7	552.1	571.2	583.5	594.4	638.2	706.5	794.0	921.1	1063.2	1169.8
57.5°	476.9	483.8	500.2	507.0	519.3	554.8	604.0	681.9	784.4	922.4	1009.9
60°	412.7	426.4	438.7	444.1	453.7	478.3	512.5	584.9	673.7	774.8	874.6
62.5°	360.8	366.2	375.8	382.6	389.5	415.4	444.1	498.8	565.8	650.5	742.0
65°	312.9	315.7	321.1	330.7	334.8	353.9	370.3	410.0	472.8	537.1	628.6
67.5°	263.7	266.5	273.3	278.8	282.9	295.2	312.9	341.6	375.8	446.9	497.4
70°	225.5	225.5	229.6	232.3	236.4	241.9	251.4	273.3	304.7	349.8	396.3
72.5°	188.6	188.6	188.6	192.7	192.7	196.8	202.2	217.3	239.1	274.7	304.7
75°	146.2	147.6	150.3	150.3	151.7	157.2	161.3	165.4	176.3	199.5	226.8
77.5°	110.7	113.4	114.8	112.1	114.8	114.8	120.3	125.7	131.2	138.0	158.5
80°	82.0	83.4	80.6	82.0	82.0	84.7	87.5	86.1	88.8	97.0	102.5
82.5°	54.7	56.0	56.0	56.0	56.0	60.1	60.1	58.8	60.1	61.5	62.9
85°	34.2	32.8	32.8	34.2	32.8	32.8	34.2	35.5	34.2	35.5	36.9
87.5°	15.0	15.0	15.0	15.0	13.7	13.7	15.0	13.7	15.0	13.7	12.3
90°	16.7	15.9	15.2	15.2	15.2	14.4	13.7	12.9	13.7	12.1	10.6
92.5°	72.1	77.4	88.8	98.3	107.8	136.7	183.0	247.5	297.6	260.4	189.0
95°	208.8	232.3	269.5	306.4	343.2	444.9	562.6	636.2	618.7	466.9	285.5
97.5°	485.9	531.4	583.1	625.6	668.1	751.6	810.1	797.9	662.0	447.2	260.4
100°	725.0	771.3	837.4	865.5	893.6	930.8	915.6	804.7	610.4	396.3	241.4
102.5°	943.7	974.1	1008.2	1015.8	1023.4	1000.6	910.3	747.8	545.9	362.1	236.1
105°	1083.4	1089.4	1087.9	1072.4	1056.8	981.6	850.3	676.4	498.0	345.4	239.1
107.5°	1134.2	1120.6	1087.2	1055.3	1023.4	918.6	776.7	618.0	466.9	340.9	248.3
110°	1122.1	1090.2	1036.3	994.6	952.8	842.7	711.4	576.2	452.5	342.4	258.9

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1065.2	1024.9	961.9	920.2	878.4	775.9	663.5	552.7	445.6	347.0	270.3
115°	995.3	949.8	889.8	853.4	816.9	728.1	634.7	539.8	444.1	353.0	282.4
117.5°	925.5	886.0	832.8	801.0	769.1	696.9	618.0	533.0	443.4	359.1	294.6
120°	869.3	835.9	792.6	765.7	738.7	678.0	607.4	527.6	443.4	365.9	307.5
122.5°	827.5	800.2	765.3	742.5	719.7	665.8	598.2	521.6	442.6	372.8	319.6
125°	799.4	777.4	747.1	726.2	705.3	652.9	587.6	514.7	441.9	379.6	331.8
127.5°	780.5	760.7	730.3	710.6	690.9	638.5	575.5	505.6	440.3	384.9	342.4
130°	762.2	743.3	712.1	692.0	671.9	620.3	560.3	497.3	439.6	391.0	352.3
132.5°	742.5	720.5	690.1	670.0	649.9	599.8	544.3	489.7	438.8	396.3	362.1
135°	715.2	693.9	663.5	644.6	625.6	579.3	529.9	482.1	438.1	401.6	370.5
137.5°	685.6	663.5	634.7	617.2	599.8	559.5	516.3	475.3	438.1	404.7	376.6
140°	649.9	633.2	606.6	590.7	574.7	540.5	504.9	469.9	437.3	408.4	382.6
142.5°	617.2	602.0	579.3	566.0	552.7	524.6	494.2	465.4	437.3	411.5	387.2
145°	586.1	573.2	554.2	543.6	533.0	510.2	484.4	460.1	435.8	412.2	390.2
147.5°	559.5	548.1	533.7	525.0	516.3	497.3	476.0	455.5	433.5	413.0	393.3
150°	536.8	526.9	514.7	507.9	501.1	485.9	468.4	450.2	431.2	413.0	395.5
152.5°	516.3	508.7	498.8	493.5	488.2	474.5	460.1	444.1	427.4	411.5	397.1
155°	498.0	492.0	484.4	479.8	475.3	463.9	451.7	438.1	423.6	410.0	397.8
157.5°	481.3	476.8	470.7	466.9	463.1	453.2	442.6	432.0	419.8	408.4	397.8
160°	466.1	461.6	457.0	454.0	451.0	442.6	434.3	425.2	415.3	406.2	397.8
162.5°	451.7	447.2	444.1	441.4	438.8	432.7	425.9	419.1	410.7	403.9	397.8
165°	438.1	435.0	432.0	430.1	428.2	422.9	418.3	412.2	406.2	400.9	396.3
167.5°	425.2	422.9	421.4	420.2	419.1	414.5	410.7	406.2	401.6	397.8	394.8
170°	413.8	413.0	411.5	410.4	409.2	406.2	403.9	400.1	397.1	394.8	393.3
172.5°	403.9	403.1	402.4	401.6	400.9	399.3	397.8	394.8	392.5	391.7	391.7
175°	396.3	394.8	394.8	394.8	394.8	393.3	392.5	391.0	389.5	389.5	390.2
177.5°	390.2	389.5	390.2	389.8	389.5	389.5	388.7	388.0	387.2	387.2	388.7
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1739.6	1732.8	1728.7	1727.3	1715.0	1708.2	1704.1	1701.4	1697.3	1686.3	1676.8
5°	1805.2	1786.1	1776.5	1765.6	1746.4	1724.6	1706.8	1695.9	1682.2	1660.4	1639.9
7.5°	1866.7	1838.0	1818.9	1803.8	1771.0	1735.5	1706.8	1683.6	1657.6	1627.6	1598.9
10°	1930.9	1884.5	1859.9	1836.6	1788.8	1742.3	1701.4	1667.2	1630.3	1590.7	1559.2
12.5°	1981.5	1920.0	1892.7	1859.9	1801.1	1746.4	1694.5	1648.1	1600.2	1557.9	1512.8
15°	2040.3	1963.7	1932.3	1889.9	1809.3	1738.2	1671.3	1620.7	1571.5	1508.7	1460.8
17.5°	2074.4	1985.6	1940.5	1903.6	1816.1	1730.0	1652.2	1589.3	1531.9	1469.0	1418.5
20°	2108.6	2007.5	1956.9	1905.0	1801.1	1709.6	1627.6	1552.4	1492.3	1423.9	1372.0
22.5°	2119.5	2002.0	1948.7	1900.9	1791.5	1689.1	1594.8	1518.2	1448.5	1380.2	1321.5
25°	2119.5	2000.6	1937.8	1876.3	1761.5	1656.3	1562.0	1478.6	1400.7	1332.4	1273.6
27.5°	2097.7	1973.3	1907.7	1851.7	1732.8	1619.4	1522.3	1430.8	1355.6	1287.3	1220.3
30°	2070.3	1933.7	1868.1	1801.1	1686.3	1578.4	1473.1	1388.4	1309.2	1231.3	1171.1
32.5°	2036.2	1891.3	1818.9	1750.5	1628.9	1516.9	1419.8	1336.5	1261.3	1180.7	1113.7
35°	1987.0	1828.4	1747.8	1687.7	1570.2	1454.0	1361.1	1279.1	1206.7	1123.3	1050.9
37.5°	1924.1	1771.0	1689.1	1615.3	1493.6	1387.0	1299.6	1220.3	1149.3	1072.7	992.1
40°	1850.3	1690.4	1619.4	1541.5	1413.0	1311.9	1229.9	1158.8	1087.8	1015.3	937.5
42.5°	1766.9	1608.4	1529.2	1454.0	1331.0	1231.3	1154.7	1090.5	1024.9	957.9	874.6
45°	1667.2	1518.2	1441.7	1370.6	1251.8	1149.3	1079.6	1018.1	962.0	893.7	819.9
47.5°	1555.1	1425.3	1347.4	1270.9	1154.7	1065.9	997.6	945.7	897.8	829.5	762.5
50°	1445.8	1317.4	1254.5	1176.6	1070.0	986.6	917.0	873.2	836.3	769.4	709.2
52.5°	1307.8	1210.8	1150.6	1083.7	981.2	896.5	841.8	803.5	759.8	707.9	654.6
55°	1186.2	1096.0	1048.1	985.3	884.2	809.0	762.5	727.0	692.8	646.4	604.0
57.5°	1048.1	992.1	944.3	889.6	789.9	725.6	684.6	654.6	623.1	584.9	550.7
60°	903.3	877.3	830.9	787.1	702.4	646.4	612.2	584.9	554.8	523.4	494.7
62.5°	774.8	759.8	732.5	698.3	619.0	571.2	537.1	516.6	494.7	466.0	438.7
65°	653.2	646.4	620.4	595.8	541.2	498.8	468.7	456.4	431.8	410.0	385.4
67.5°	545.3	537.1	522.0	511.1	464.6	425.0	410.0	393.6	373.1	356.7	336.2
70°	435.9	434.6	425.0	411.3	386.7	358.0	343.0	332.1	311.6	299.3	284.2
72.5°	338.9	345.7	337.5	332.1	315.7	295.2	281.5	274.7	258.3	248.7	237.8
75°	252.8	258.3	262.4	252.8	248.7	239.1	226.8	220.0	211.8	198.1	194.0
77.5°	172.2	184.5	184.5	187.2	188.6	183.1	173.6	168.1	158.5	155.8	150.3
80°	113.4	124.4	125.7	128.5	132.6	132.6	125.7	124.4	114.8	113.4	109.3
82.5°	65.6	75.2	80.6	84.7	83.4	88.8	83.4	82.0	76.5	76.5	73.8
85°	35.5	36.9	39.6	42.4	45.1	47.8	47.8	46.5	45.1	43.7	41.0
87.5°	13.7	13.7	15.0	13.7	15.0	17.8	19.1	19.1	17.8	16.4	13.7
90°	10.6	6.1	6.1	6.1	5.3	4.6	2.3	0.8	2.3	4.6	5.3
92.5°	115.4	68.3	58.4	48.6	34.9	23.5	15.2	10.6	15.2	23.5	34.9
95°	160.9	94.9	79.0	63.0	44.8	34.9	27.3	25.1	27.3	34.9	44.8
97.5°	153.4	101.0	87.3	73.6	57.7	48.6	41.8	41.8	41.8	48.6	57.7
100°	155.6	110.8	98.6	86.5	72.1	63.0	57.7	57.7	57.7	63.0	72.1
102.5°	163.2	123.7	112.4	101.0	87.3	79.0	74.4	72.9	74.4	79.0	87.3
105°	176.1	139.7	128.7	117.7	104.0	94.9	91.1	88.8	91.1	94.9	104.0
107.5°	189.8	156.4	145.4	134.4	121.5	111.6	107.8	106.3	107.8	111.6	121.5
110°	205.7	172.3	162.0	151.8	138.2	129.1	125.3	123.7	125.3	129.1	138.2

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	220.9	189.0	178.8	168.5	154.9	146.5	142.0	140.5	142.0	146.5	154.9
115°	236.9	206.5	196.2	186.0	171.6	164.0	158.7	156.4	158.7	164.0	171.6
117.5°	252.1	223.2	212.6	201.9	188.3	179.9	175.4	173.1	175.4	179.9	188.3
120°	268.0	239.1	228.5	217.9	205.0	196.6	191.3	189.8	191.3	196.6	205.0
122.5°	283.2	254.3	244.0	233.8	219.4	211.8	206.5	205.0	206.5	211.8	219.4
125°	296.8	269.5	258.9	248.3	233.8	225.5	220.9	217.9	220.9	225.5	233.8
127.5°	309.8	283.2	272.5	261.9	246.7	237.6	232.3	230.0	232.3	237.6	246.7
130°	322.7	296.8	285.8	274.8	260.4	249.0	242.9	239.9	242.9	249.0	260.4
132.5°	333.3	307.5	297.2	287.0	271.0	260.4	252.1	249.8	252.1	260.4	271.0
135°	343.2	318.1	308.2	298.4	282.4	269.5	261.9	258.9	261.9	269.5	282.4
137.5°	350.7	327.2	317.7	308.2	291.5	279.4	271.0	268.0	271.0	279.4	291.5
140°	358.3	335.6	326.5	317.3	301.4	288.5	280.1	277.9	280.1	288.5	301.4
142.5°	365.2	343.2	334.4	325.7	310.5	298.4	290.8	288.5	290.8	298.4	310.5
145°	369.7	350.0	341.6	333.3	318.9	308.2	300.6	298.4	300.6	308.2	318.9
147.5°	375.0	356.1	348.5	340.9	328.7	317.3	310.5	309.8	310.5	317.3	328.7
150°	378.8	362.1	354.9	347.7	336.3	327.2	321.1	320.4	321.1	327.2	336.3
152.5°	381.9	367.5	361.0	354.5	344.7	336.3	330.3	330.3	330.3	336.3	344.7
155°	384.9	372.0	366.3	360.6	352.3	344.7	340.1	339.4	340.1	344.7	352.3
157.5°	387.2	375.8	371.2	366.7	359.1	353.0	348.5	348.5	348.5	353.0	359.1
160°	388.7	379.6	375.4	371.2	365.2	359.9	356.8	356.8	356.8	359.9	365.2
162.5°	390.2	381.9	378.8	375.8	370.5	365.9	363.7	364.4	363.7	365.9	370.5
165°	390.2	383.4	381.1	378.8	375.0	371.2	369.7	369.7	369.7	371.2	375.0
167.5°	390.2	384.9	383.0	381.1	378.8	375.8	375.0	375.8	375.0	375.8	378.8
170°	389.5	385.7	384.5	383.4	381.9	379.6	378.8	379.6	378.8	379.6	381.9
172.5°	388.7	386.4	385.6	384.9	384.2	382.6	382.6	383.4	382.6	382.6	384.2
175°	388.0	386.4	386.4	386.4	385.7	384.9	384.9	385.7	384.9	384.9	385.7
177.5°	387.2	386.4	386.4	386.4	386.4	385.7	386.4	387.2	386.4	385.7	386.4
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1668.6	1665.8	1663.1	1652.2	1642.6	1626.2	1612.5	1607.1	1605.7	1607.1	1603.0
5°	1620.7	1619.4	1609.8	1590.7	1572.9	1553.8	1540.1	1526.4	1518.2	1518.2	1508.7
7.5°	1575.6	1566.1	1557.9	1533.3	1512.8	1486.8	1466.3	1454.0	1447.2	1432.1	1432.1
10°	1527.8	1514.1	1503.2	1480.0	1449.9	1423.9	1398.0	1382.9	1370.6	1359.7	1355.6
12.5°	1480.0	1469.0	1448.5	1423.9	1393.9	1361.1	1333.8	1322.8	1294.1	1270.9	1272.3
15°	1434.9	1410.3	1400.7	1365.2	1329.7	1298.2	1258.6	1227.2	1203.9	1188.9	1169.8
17.5°	1384.3	1359.7	1341.9	1311.9	1265.4	1216.2	1178.0	1135.6	1112.4	1086.4	1074.1
20°	1328.3	1307.8	1294.1	1246.3	1190.3	1131.5	1089.1	1063.2	1037.2	1018.1	1007.1
22.5°	1280.5	1254.5	1238.1	1173.9	1112.4	1053.6	1020.8	998.9	977.1	960.7	955.2
25°	1219.0	1203.9	1164.3	1108.3	1033.1	993.5	964.8	936.1	923.8	912.9	900.6
27.5°	1168.4	1131.5	1104.2	1030.4	983.9	938.8	910.1	888.3	873.2	862.3	852.7
30°	1105.5	1071.4	1033.1	971.6	929.3	886.9	860.9	843.2	826.8	819.9	811.7
32.5°	1039.9	1008.5	971.6	922.4	870.5	837.7	817.2	798.1	787.1	780.3	770.7
35°	981.2	941.6	917.0	870.5	828.1	791.2	772.1	755.7	743.4	740.7	739.3
37.5°	918.3	888.3	865.0	817.2	781.7	750.2	732.5	714.7	707.9	706.5	701.0
40°	863.7	837.7	815.8	770.7	732.5	703.8	690.1	679.2	672.3	672.3	671.0
42.5°	815.8	788.5	766.6	725.6	691.5	665.5	650.5	639.5	636.8	638.2	636.8
45°	762.5	739.3	717.4	675.1	646.4	627.2	610.8	605.4	601.3	602.6	604.0
47.5°	712.0	692.8	671.0	636.8	604.0	583.5	574.0	568.5	568.5	568.5	571.2
50°	666.9	645.0	625.9	590.3	560.3	543.9	535.7	528.9	530.2	531.6	533.0
52.5°	613.6	594.4	580.8	545.3	523.4	502.9	493.3	494.7	493.3	493.3	496.1
55°	567.1	548.0	534.3	501.5	479.7	466.0	457.8	453.7	455.1	452.3	457.8
57.5°	515.2	498.8	489.2	457.8	438.7	426.4	419.5	412.7	415.4	414.1	412.7
60°	470.1	451.0	435.9	414.1	397.7	382.6	378.5	371.7	374.4	371.7	370.3
62.5°	418.2	403.1	392.2	370.3	356.7	344.4	334.8	330.7	329.3	325.2	321.1
65°	366.2	358.0	347.1	325.2	311.6	302.0	296.5	292.4	291.1	280.1	267.8
67.5°	318.4	312.9	302.0	285.6	273.3	263.7	255.5	248.7	240.5	232.3	225.5
70°	273.3	265.1	258.3	243.2	232.3	222.7	214.5	206.3	202.2	194.0	191.3
72.5°	229.6	221.4	214.5	200.9	191.3	181.8	179.0	169.5	165.4	164.0	164.0
75°	184.5	177.7	173.6	161.3	153.1	146.2	142.1	139.4	136.7	133.9	129.8
77.5°	140.8	136.7	133.9	125.7	118.9	114.8	113.4	103.9	101.1	98.4	95.7
80°	102.5	101.1	98.4	91.6	88.8	79.3	79.3	76.5	75.2	75.2	75.2
82.5°	69.7	67.0	65.6	58.8	57.4	56.0	54.7	53.3	54.7	53.3	54.7
85°	36.9	35.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2	32.8	34.2
87.5°	13.7	13.7	13.7	13.7	12.3	13.7	13.7	12.3	13.7	13.7	13.7
90°	6.1	6.1	6.1	10.6	10.6	12.1	13.7	12.9	13.7	14.4	15.2
92.5°	48.6	58.4	68.3	115.4	189.0	260.4	297.6	247.5	183.0	136.7	107.8
95°	63.0	79.0	94.9	160.9	285.5	466.9	618.7	636.2	562.6	444.9	343.2
97.5°	73.6	87.3	101.0	153.4	260.4	447.2	662.0	797.9	810.1	751.6	668.1
100°	86.5	98.6	110.8	155.6	241.4	396.3	610.4	804.7	915.6	930.8	893.6
102.5°	101.0	112.4	123.7	163.2	236.1	362.1	545.9	747.8	910.3	1000.6	1023.4
105°	117.7	128.7	139.7	176.1	239.1	345.4	498.0	676.4	850.3	981.6	1056.8
107.5°	134.4	145.4	156.4	189.8	248.3	340.9	466.9	618.0	776.7	918.6	1023.4
110°	151.8	162.0	172.3	205.7	258.9	342.4	452.5	576.2	711.4	842.7	952.8

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.5	178.8	189.0	220.9	270.3	347.0	445.6	552.7	663.5	775.9	878.4
115°	186.0	196.2	206.5	236.9	282.4	353.0	444.1	539.8	634.7	728.1	816.9
117.5°	201.9	212.6	223.2	252.1	294.6	359.1	443.4	533.0	618.0	696.9	769.1
120°	217.9	228.5	239.1	268.0	307.5	365.9	443.4	527.6	607.4	678.0	738.7
122.5°	233.8	244.0	254.3	283.2	319.6	372.8	442.6	521.6	598.2	665.8	719.7
125°	248.3	258.9	269.5	296.8	331.8	379.6	441.9	514.7	587.6	652.9	705.3
127.5°	261.9	272.5	283.2	309.8	342.4	384.9	440.3	505.6	575.5	638.5	690.9
130°	274.8	285.8	296.8	322.7	352.3	391.0	439.6	497.3	560.3	620.3	671.9
132.5°	287.0	297.2	307.5	333.3	362.1	396.3	438.8	489.7	544.3	599.8	649.9
135°	298.4	308.2	318.1	343.2	370.5	401.6	438.1	482.1	529.9	579.3	625.6
137.5°	308.2	317.7	327.2	350.7	376.6	404.7	438.1	475.3	516.3	559.5	599.8
140°	317.3	326.5	335.6	358.3	382.6	408.4	437.3	469.9	504.9	540.5	574.7
142.5°	325.7	334.4	343.2	365.2	387.2	411.5	437.3	465.4	494.2	524.6	552.7
145°	333.3	341.6	350.0	369.7	390.2	412.2	435.8	460.1	484.4	510.2	533.0
147.5°	340.9	348.5	356.1	375.0	393.3	413.0	433.5	455.5	476.0	497.3	516.3
150°	347.7	354.9	362.1	378.8	395.5	413.0	431.2	450.2	468.4	485.9	501.1
152.5°	354.5	361.0	367.5	381.9	397.1	411.5	427.4	444.1	460.1	474.5	488.2
155°	360.6	366.3	372.0	384.9	397.8	410.0	423.6	438.1	451.7	463.9	475.3
157.5°	366.7	371.2	375.8	387.2	397.8	408.4	419.8	432.0	442.6	453.2	463.1
160°	371.2	375.4	379.6	388.7	397.8	406.2	415.3	425.2	434.3	442.6	451.0
162.5°	375.8	378.8	381.9	390.2	397.8	403.9	410.7	419.1	425.9	432.7	438.8
165°	378.8	381.1	383.4	390.2	396.3	400.9	406.2	412.2	418.3	422.9	428.2
167.5°	381.1	383.0	384.9	390.2	394.8	397.8	401.6	406.2	410.7	414.5	419.1
170°	383.4	384.5	385.7	389.5	393.3	394.8	397.1	400.1	403.9	406.2	409.2
172.5°	384.9	385.6	386.4	388.7	391.7	391.7	392.5	394.8	397.8	399.3	400.9
175°	386.4	386.4	386.4	388.0	390.2	389.5	389.5	391.0	392.5	393.3	394.8
177.5°	386.4	386.4	386.4	387.2	388.7	387.2	387.2	388.0	388.7	389.5	389.5
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1603.0	1608.4	1601.6	1605.7	1596.1	1594.8	1596.1	1596.1	1597.5	1598.9	1600.2
5°	1512.8	1511.4	1503.2	1497.7	1493.6	1497.7	1500.5	1503.2	1500.5	1503.2	1504.6
7.5°	1428.0	1423.9	1419.8	1410.3	1413.0	1410.3	1418.5	1414.4	1414.4	1421.2	1426.7
10°	1352.9	1344.7	1341.9	1331.0	1322.8	1321.5	1331.0	1335.1	1339.2	1341.9	1352.9
12.5°	1255.9	1243.6	1234.0	1238.1	1214.9	1224.4	1227.2	1221.7	1238.1	1257.2	1246.3
15°	1152.0	1153.4	1134.2	1127.4	1108.3	1113.7	1115.1	1128.8	1142.4	1141.1	1157.5
17.5°	1075.5	1067.3	1050.9	1049.5	1041.3	1045.4	1044.0	1055.0	1050.9	1057.7	1071.4
20°	1004.4	998.9	985.3	979.8	982.5	979.8	981.2	982.5	986.6	1001.7	998.9
22.5°	948.4	941.6	941.6	934.7	926.5	923.8	930.6	934.7	940.2	942.9	949.8
25°	899.2	893.7	886.9	882.8	876.0	877.3	881.4	886.9	891.0	896.5	901.9
27.5°	848.6	848.6	841.8	840.4	837.7	836.3	841.8	844.5	844.5	848.6	854.1
30°	809.0	809.0	802.2	800.8	799.4	799.4	803.5	804.9	806.3	810.4	813.1
32.5°	770.7	769.4	766.6	768.0	766.6	768.0	768.0	769.4	772.1	773.5	778.9
35°	735.2	736.6	733.8	733.8	732.5	733.8	736.6	737.9	739.3	742.0	742.0
37.5°	701.0	703.8	702.4	706.5	706.5	706.5	706.5	709.2	709.2	709.2	707.9
40°	671.0	671.0	669.6	672.3	675.1	675.1	676.4	676.4	677.8	677.8	676.4
42.5°	636.8	639.5	643.6	645.0	647.7	646.4	650.5	649.1	650.5	647.7	645.0
45°	605.4	605.4	610.8	616.3	617.7	617.7	617.7	620.4	617.7	613.6	612.2
47.5°	571.2	574.0	576.7	583.5	584.9	584.9	584.9	584.9	582.1	582.1	582.1
50°	537.1	538.4	539.8	542.5	546.6	545.3	545.3	545.3	550.7	545.3	546.6
52.5°	496.1	497.4	498.8	504.3	502.9	502.9	504.3	504.3	508.4	507.0	504.3
55°	455.1	455.1	457.8	457.8	457.8	460.5	461.9	464.6	463.3	464.6	466.0
57.5°	414.1	411.3	410.0	410.0	414.1	412.7	414.1	414.1	419.5	422.3	423.6
60°	366.2	366.2	364.9	356.7	356.7	355.3	359.4	362.1	364.9	377.2	375.8
62.5°	317.0	311.6	306.1	307.5	299.3	303.4	300.6	303.4	311.6	321.1	322.5
65°	267.8	263.7	258.3	256.9	254.2	258.3	256.9	258.3	262.4	267.8	274.7
67.5°	224.1	222.7	220.0	218.6	218.6	218.6	221.4	221.4	222.7	226.8	230.9
70°	191.3	190.0	191.3	188.6	190.0	188.6	190.0	191.3	192.7	194.0	198.1
72.5°	161.3	161.3	161.3	158.5	161.3	159.9	159.9	161.3	162.6	164.0	166.7
75°	128.5	125.7	123.0	120.3	118.9	121.6	123.0	121.6	125.7	131.2	131.2
77.5°	97.0	95.7	95.7	95.7	97.0	95.7	98.4	97.0	98.4	98.4	101.1
80°	75.2	73.8	75.2	75.2	73.8	76.5	75.2	75.2	76.5	77.9	76.5
82.5°	54.7	56.0	54.7	54.7	54.7	57.4	54.7	54.7	54.7	56.0	56.0
85°	34.2	34.2	34.2	34.2	35.5	34.2	35.5	34.2	36.9	35.5	35.5
87.5°	12.3	13.7	15.0	15.0	15.0	15.0	13.7	15.0	16.4	15.0	16.4
90°	15.2	15.2	15.9	16.7	15.9	15.9	15.9	16.7	15.9	15.2	15.2
92.5°	98.3	88.8	77.4	72.1	69.1	69.1	69.1	72.1	77.4	88.8	98.3
95°	306.4	269.5	232.3	208.8	195.1	185.2	195.1	208.8	232.3	269.5	306.4
97.5°	625.6	583.1	531.4	485.9	463.1	444.9	463.1	485.9	531.4	583.1	625.6
100°	865.5	837.4	771.3	725.0	702.3	696.2	702.3	725.0	771.3	837.4	865.5
102.5°	1015.8	1008.2	974.1	943.7	919.4	914.8	919.4	943.7	974.1	1008.2	1015.8
105°	1072.4	1087.9	1089.4	1083.4	1072.7	1068.2	1072.7	1083.4	1089.4	1087.9	1072.4
107.5°	1055.3	1087.2	1120.6	1134.2	1140.3	1141.1	1140.3	1134.2	1120.6	1087.2	1055.3
110°	994.6	1036.3	1090.2	1122.1	1135.8	1142.6	1135.8	1122.1	1090.2	1036.3	994.6

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	920.2	961.9	1024.9	1065.2	1085.7	1097.8	1085.7	1065.2	1024.9	961.9	920.2
115°	853.4	889.8	949.8	995.3	1019.6	1025.7	1019.6	995.3	949.8	889.8	853.4
117.5°	801.0	832.8	886.0	925.5	951.3	955.1	951.3	925.5	886.0	832.8	801.0
120°	765.7	792.6	835.9	869.3	889.0	897.4	889.0	869.3	835.9	792.6	765.7
122.5°	742.5	765.3	800.2	827.5	843.5	851.8	843.5	827.5	800.2	765.3	742.5
125°	726.2	747.1	777.4	799.4	813.9	818.4	813.9	799.4	777.4	747.1	726.2
127.5°	710.6	730.3	760.7	780.5	792.6	797.2	792.6	780.5	760.7	730.3	710.6
130°	692.0	712.1	743.3	762.2	774.4	778.9	774.4	762.2	743.3	712.1	692.0
132.5°	670.0	690.1	720.5	742.5	753.9	758.4	753.9	742.5	720.5	690.1	670.0
135°	644.6	663.5	693.9	715.2	727.3	731.9	727.3	715.2	693.9	663.5	644.6
137.5°	617.2	634.7	663.5	685.6	695.4	700.7	695.4	685.6	663.5	634.7	617.2
140°	590.7	606.6	633.2	649.9	660.5	666.6	660.5	649.9	633.2	606.6	590.7
142.5°	566.0	579.3	602.0	617.2	626.3	630.1	626.3	617.2	602.0	579.3	566.0
145°	543.6	554.2	573.2	586.1	593.7	597.5	593.7	586.1	573.2	554.2	543.6
147.5°	525.0	533.7	548.1	559.5	565.6	567.1	565.6	559.5	548.1	533.7	525.0
150°	507.9	514.7	526.9	536.8	541.3	542.1	541.3	536.8	526.9	514.7	507.9
152.5°	493.5	498.8	508.7	516.3	518.5	519.3	518.5	516.3	508.7	498.8	493.5
155°	479.8	484.4	492.0	498.0	500.3	500.3	500.3	498.0	492.0	484.4	479.8
157.5°	466.9	470.7	476.8	481.3	482.8	482.8	482.8	481.3	476.8	470.7	466.9
160°	454.0	457.0	461.6	466.1	466.9	466.9	466.9	466.1	461.6	457.0	454.0
162.5°	441.4	444.1	447.2	451.7	452.5	451.7	452.5	451.7	447.2	444.1	441.4
165°	430.1	432.0	435.0	438.1	437.3	436.5	437.3	438.1	435.0	432.0	430.1
167.5°	420.2	421.4	422.9	425.2	425.2	424.4	425.2	425.2	422.9	421.4	420.2
170°	410.4	411.5	413.0	413.8	413.0	413.0	413.0	413.8	413.0	411.5	410.4
172.5°	401.6	402.4	403.1	403.9	403.1	401.6	403.1	403.9	403.1	402.4	401.6
175°	394.8	394.8	394.8	396.3	394.8	393.3	394.8	396.3	394.8	394.8	394.8
177.5°	389.8	390.2	389.5	390.2	388.7	387.2	388.7	390.2	389.5	390.2	389.8
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9	1695.9
2.5°	1605.7	1612.5	1609.8	1600.2	1604.3	1612.5	1620.7	1631.7	1638.5	1644.0	1646.7
5°	1511.4	1523.7	1521.0	1521.0	1526.4	1540.1	1553.8	1577.0	1585.2	1594.8	1608.4
7.5°	1428.0	1437.6	1445.8	1448.5	1456.7	1474.5	1492.3	1518.2	1538.7	1549.7	1557.9
10°	1354.2	1361.1	1373.4	1380.2	1388.4	1410.3	1436.2	1463.6	1484.1	1503.2	1514.1
12.5°	1260.0	1287.3	1303.7	1314.6	1325.6	1358.3	1378.8	1408.9	1433.5	1451.3	1467.7
15°	1154.7	1187.5	1197.1	1239.5	1266.8	1292.8	1324.2	1359.7	1382.9	1403.4	1425.3
17.5°	1065.9	1089.1	1100.1	1145.2	1168.4	1209.4	1254.5	1299.6	1335.1	1350.1	1372.0
20°	1009.9	1022.2	1044.0	1059.1	1083.7	1131.5	1180.7	1235.4	1288.7	1303.7	1325.6
22.5°	952.5	968.9	983.9	1004.4	1023.5	1056.3	1105.5	1165.7	1223.1	1250.4	1276.4
25°	900.6	917.0	926.5	948.4	966.1	998.9	1033.1	1094.6	1162.9	1186.2	1227.2
27.5°	859.6	869.1	885.5	895.1	915.6	945.7	977.1	1023.5	1090.5	1130.1	1169.8
30°	818.6	825.4	839.1	852.7	867.8	888.3	923.8	968.9	1030.4	1064.5	1104.2
32.5°	777.6	788.5	796.7	806.3	822.7	847.3	871.9	915.6	964.8	1003.0	1042.7
35°	743.4	747.5	758.4	769.4	780.3	802.2	828.1	870.5	914.2	944.3	979.8
37.5°	706.5	713.3	721.5	725.6	743.4	757.1	784.4	817.2	869.1	888.3	923.8
40°	677.8	676.4	684.6	691.5	699.7	721.5	737.9	773.5	814.5	844.5	866.4
42.5°	642.3	642.3	645.0	653.2	664.1	677.8	696.9	727.0	769.4	791.2	817.2
45°	613.6	609.5	610.8	616.3	623.1	636.8	655.9	681.9	724.3	742.0	769.4
47.5°	579.4	575.3	575.3	580.8	586.2	595.8	610.8	640.9	675.1	698.3	718.8
50°	541.2	542.5	541.2	545.3	548.0	557.6	574.0	598.5	630.0	649.1	672.3
52.5°	505.6	502.9	501.5	504.3	509.7	516.6	534.3	556.2	586.2	605.4	625.9
55°	461.9	464.6	464.6	464.6	472.8	475.6	489.2	511.1	541.2	556.2	575.3
57.5°	422.3	420.9	423.6	422.3	429.1	438.7	449.6	466.0	496.1	511.1	528.9
60°	378.5	379.9	381.3	381.3	386.7	396.3	408.6	423.6	448.2	463.3	479.7
62.5°	325.2	332.1	338.9	341.6	349.8	356.7	364.9	381.3	403.1	414.1	429.1
65°	274.7	284.2	293.8	300.6	306.1	312.9	323.9	338.9	356.7	367.6	382.6
67.5°	230.9	237.8	250.1	256.9	267.8	276.0	282.9	295.2	317.0	321.1	333.4
70°	199.5	202.2	207.7	213.2	225.5	232.3	240.5	252.8	269.2	278.8	285.6
72.5°	168.1	169.5	172.2	177.7	183.1	191.3	200.9	211.8	226.8	230.9	240.5
75°	133.9	142.1	142.1	146.2	150.3	154.4	162.6	173.6	183.1	190.0	195.4
77.5°	99.8	103.9	106.6	113.4	118.9	123.0	128.5	136.7	142.1	147.6	151.7
80°	77.9	79.3	80.6	80.6	83.4	88.8	94.3	99.8	106.6	109.3	113.4
82.5°	57.4	57.4	57.4	60.1	61.5	62.9	62.9	65.6	72.4	75.2	79.3
85°	36.9	36.9	36.9	36.9	38.3	39.6	41.0	42.4	42.4	42.4	45.1
87.5°	15.0	17.8	16.4	17.8	17.8	17.8	17.8	19.1	19.1	20.5	20.5
90°	15.2	14.4	13.7	12.9	13.7	12.1	10.6	10.6	6.1	6.1	6.1
92.5°	107.8	136.7	183.0	247.5	297.6	260.4	189.0	115.4	68.3	58.4	48.6
95°	343.2	444.9	562.6	636.2	618.7	466.9	285.5	160.9	94.9	79.0	63.0
97.5°	668.1	751.6	810.1	797.9	662.0	447.2	260.4	153.4	101.0	87.3	73.6
100°	893.6	930.8	915.6	804.7	610.4	396.3	241.4	155.6	110.8	98.6	86.5
102.5°	1023.4	1000.6	910.3	747.8	545.9	362.1	236.1	163.2	123.7	112.4	101.0
105°	1056.8	981.6	850.3	676.4	498.0	345.4	239.1	176.1	139.7	128.7	117.7
107.5°	1023.4	918.6	776.7	618.0	466.9	340.9	248.3	189.8	156.4	145.4	134.4
110°	952.8	842.7	711.4	576.2	452.5	342.4	258.9	205.7	172.3	162.0	151.8

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	878.4	775.9	663.5	552.7	445.6	347.0	270.3	220.9	189.0	178.8	168.5
115°	816.9	728.1	634.7	539.8	444.1	353.0	282.4	236.9	206.5	196.2	186.0
117.5°	769.1	696.9	618.0	533.0	443.4	359.1	294.6	252.1	223.2	212.6	201.9
120°	738.7	678.0	607.4	527.6	443.4	365.9	307.5	268.0	239.1	228.5	217.9
122.5°	719.7	665.8	598.2	521.6	442.6	372.8	319.6	283.2	254.3	244.0	233.8
125°	705.3	652.9	587.6	514.7	441.9	379.6	331.8	296.8	269.5	258.9	248.3
127.5°	690.9	638.5	575.5	505.6	440.3	384.9	342.4	309.8	283.2	272.5	261.9
130°	671.9	620.3	560.3	497.3	439.6	391.0	352.3	322.7	296.8	285.8	274.8
132.5°	649.9	599.8	544.3	489.7	438.8	396.3	362.1	333.3	307.5	297.2	287.0
135°	625.6	579.3	529.9	482.1	438.1	401.6	370.5	343.2	318.1	308.2	298.4
137.5°	599.8	559.5	516.3	475.3	438.1	404.7	376.6	350.7	327.2	317.7	308.2
140°	574.7	540.5	504.9	469.9	437.3	408.4	382.6	358.3	335.6	326.5	317.3
142.5°	552.7	524.6	494.2	465.4	437.3	411.5	387.2	365.2	343.2	334.4	325.7
145°	533.0	510.2	484.4	460.1	435.8	412.2	390.2	369.7	350.0	341.6	333.3
147.5°	516.3	497.3	476.0	455.5	433.5	413.0	393.3	375.0	356.1	348.5	340.9
150°	501.1	485.9	468.4	450.2	431.2	413.0	395.5	378.8	362.1	354.9	347.7
152.5°	488.2	474.5	460.1	444.1	427.4	411.5	397.1	381.9	367.5	361.0	354.5
155°	475.3	463.9	451.7	438.1	423.6	410.0	397.8	384.9	372.0	366.3	360.6
157.5°	463.1	453.2	442.6	432.0	419.8	408.4	397.8	387.2	375.8	371.2	366.7
160°	451.0	442.6	434.3	425.2	415.3	406.2	397.8	388.7	379.6	375.4	371.2
162.5°	438.8	432.7	425.9	419.1	410.7	403.9	397.8	390.2	381.9	378.8	375.8
165°	428.2	422.9	418.3	412.2	406.2	400.9	396.3	390.2	383.4	381.1	378.8
167.5°	419.1	414.5	410.7	406.2	401.6	397.8	394.8	390.2	384.9	383.0	381.1
170°	409.2	406.2	403.9	400.1	397.1	394.8	393.3	389.5	385.7	384.5	383.4
172.5°	400.9	399.3	397.8	394.8	392.5	391.7	391.7	388.7	386.4	385.6	384.9
175°	394.8	393.3	392.5	391.0	389.5	389.5	390.2	388.0	386.4	386.4	386.4
177.5°	389.5	389.5	388.7	388.0	387.2	387.2	388.7	387.2	386.4	386.4	386.4
180°	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4	386.4

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1695.9	1695.9	1695.9	1695.9
2.5°	1657.6	1665.8	1679.5	1698.6
5°	1619.4	1642.6	1664.5	1693.2
7.5°	1585.2	1612.5	1642.6	1683.6
10°	1545.6	1579.7	1618.0	1668.6
12.5°	1499.1	1546.9	1590.7	1645.3
15°	1464.9	1500.5	1556.5	1620.7
17.5°	1417.1	1464.9	1521.0	1593.4
20°	1372.0	1422.6	1485.4	1560.6
22.5°	1324.2	1381.6	1444.4	1525.1
25°	1275.0	1336.5	1399.3	1485.4
27.5°	1229.9	1285.9	1357.0	1444.4
30°	1175.2	1239.5	1307.8	1399.3
32.5°	1121.9	1188.9	1258.6	1350.1
35°	1064.5	1131.5	1208.0	1295.5
37.5°	1008.5	1082.3	1152.0	1236.7
40°	947.0	1023.5	1096.0	1182.1
42.5°	886.9	966.1	1038.6	1112.4
45°	830.9	908.8	974.3	1044.0
47.5°	777.6	847.3	914.2	977.1
50°	725.6	784.4	845.9	897.8
52.5°	671.0	727.0	776.2	822.7
55°	621.8	665.5	709.2	751.6
57.5°	563.0	606.7	645.0	677.8
60°	513.8	541.2	578.0	612.2
62.5°	457.8	489.2	517.9	539.8
65°	403.1	430.5	452.3	471.5
67.5°	356.7	373.1	389.5	410.0
70°	300.6	314.3	333.4	348.5
72.5°	252.8	263.7	273.3	291.1
75°	205.0	214.5	220.0	236.4
77.5°	158.5	168.1	172.2	181.8
80°	121.6	123.0	128.5	136.7
82.5°	83.4	86.1	87.5	94.3
85°	47.8	54.7	53.3	56.0
87.5°	20.5	21.9	24.6	27.3
90°	5.3	4.6	2.3	0.8
92.5°	34.9	23.5	15.2	10.6
95°	44.8	34.9	27.3	25.1
97.5°	57.7	48.6	41.8	41.8
100°	72.1	63.0	57.7	57.7
102.5°	87.3	79.0	74.4	72.9
105°	104.0	94.9	91.1	88.8
107.5°	121.5	111.6	107.8	106.3
110°	138.2	129.1	125.3	123.7

TEST NUMBER: P1026069

CATALOG NUMBER: S124RDIP-B1020D810UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	154.9	146.5	142.0	140.5
115°	171.6	164.0	158.7	156.4
117.5°	188.3	179.9	175.4	173.1
120°	205.0	196.6	191.3	189.8
122.5°	219.4	211.8	206.5	205.0
125°	233.8	225.5	220.9	217.9
127.5°	246.7	237.6	232.3	230.0
130°	260.4	249.0	242.9	239.9
132.5°	271.0	260.4	252.1	249.8
135°	282.4	269.5	261.9	258.9
137.5°	291.5	279.4	271.0	268.0
140°	301.4	288.5	280.1	277.9
142.5°	310.5	298.4	290.8	288.5
145°	318.9	308.2	300.6	298.4
147.5°	328.7	317.3	310.5	309.8
150°	336.3	327.2	321.1	320.4
152.5°	344.7	336.3	330.3	330.3
155°	352.3	344.7	340.1	339.4
157.5°	359.1	353.0	348.5	348.5
160°	365.2	359.9	356.8	356.8
162.5°	370.5	365.9	363.7	364.4
165°	375.0	371.2	369.7	369.7
167.5°	378.8	375.8	375.0	375.8
170°	381.9	379.6	378.8	379.6
172.5°	384.2	382.6	382.6	383.4
175°	385.7	384.9	384.9	385.7
177.5°	386.4	385.7	386.4	387.2
180°	386.4	386.4	386.4	386.4

(END OF REPORT)