

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: P1008632

Luminaire Tested: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008632
REPORT IS A COMBINATION OF REPORTS P983639 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D530UB27-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

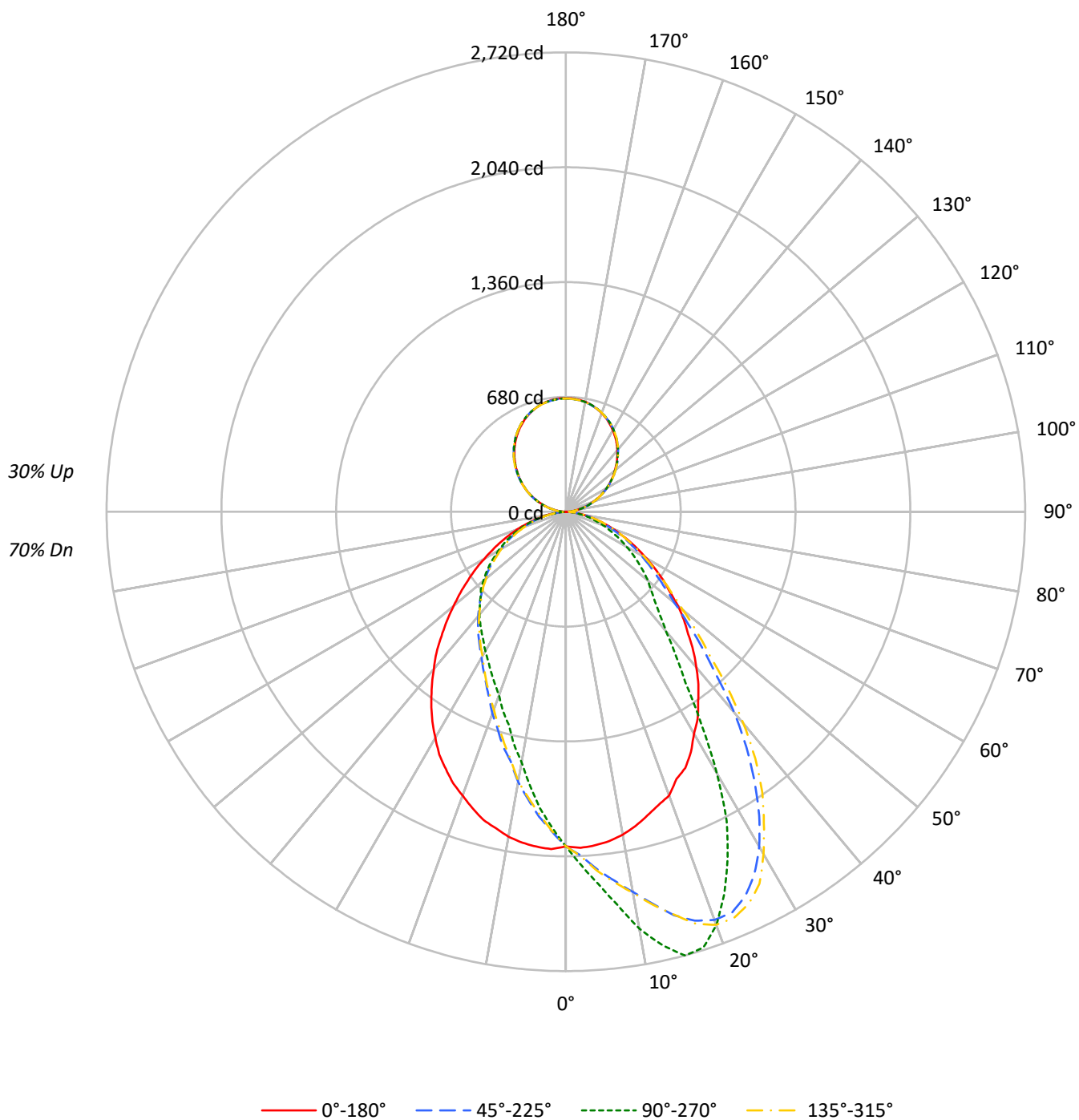
Lumens per Lamp: N/A
Luminaire Lumens: 6250.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 76.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74
1	103	99	95	92	97	94	90	87	84	81	79	75	73	71	67	66	64	64	64	60
2	94	87	81	76	89	83	77	73	74	70	67	67	64	61	60	57	55	55	55	52
3	87	77	70	64	82	73	67	62	66	61	57	60	56	52	54	50	48	48	48	45
4	80	69	61	55	75	66	59	53	59	54	49	54	49	45	48	45	42	42	42	39
5	73	62	54	48	69	59	52	46	54	48	43	49	44	40	44	40	37	37	37	34
6	68	56	48	42	64	53	46	41	49	43	38	44	39	35	40	36	33	33	33	30
7	63	51	43	37	60	49	41	36	44	38	34	41	35	32	37	33	29	29	29	27
8	59	46	39	33	56	44	37	32	41	35	30	37	32	29	34	30	27	27	27	25
9	55	43	35	30	52	41	34	29	38	32	28	34	29	26	32	27	24	24	24	22
10	51	39	32	27	49	38	31	27	35	29	25	32	27	24	29	25	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31359	31359	31359	31359
5°	31436	33437	31556	26602
10°	31070	36502	31265	21932
15°	30317	38501	30739	18474
20°	29843	36150	29843	16057
25°	28892	31057	29025	14360
30°	27328	24414	27849	13007
35°	25941	16882	26375	11901
40°	24348	12746	24625	11018
45°	22382	10474	22749	10067
50°	20683	9193	20721	9215
55°	18746	7833	18868	8291
60°	16680	6542	16911	7235
65°	14831	5321	15105	6179
70°	12992	4175	13321	4983
75°	10903	3032	11328	3614
80°	8511	1922	9117	2144
85°	5594	966	6018	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	3.0
10°-20°	549.2	8.8
20°-30°	797.1	12.8
30°-40°	840.3	13.4
40°-50°	743.6	11.9
50°-60°	593.7	9.5
60°-70°	403.3	6.5
70°-80°	206.3	3.3
80°-90°	50.7	0.8
90°-100°	41.5	0.7
100°-110°	132.0	2.1
110°-120°	225.9	3.6
120°-130°	297.1	4.8
130°-140°	333.5	5.3
140°-150°	327.1	5.2
150°-160°	274.3	4.4
160°-170°	182.0	2.9
170°-180°	63.6	1.0
0°-30°	1535.0	24.6
0°-40°	2375.3	38.0
0°-60°	3712.6	59.4
0°-90°	4372.9	70.0
90°-120°	399.5	6.4
90°-150°	1357.2	21.7
90°-180°	1877.0	30.0
0°-180°	6250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1981	1981	1981	1981	1981	
5°	1983	2213	1990	1760	1983	188
15°	1862	2720	1888	1305	1862	526
25°	1674	2266	1681	1048	1674	765
35°	1366	1234	1389	870	1366	855
45°	1025	743	1042	714	1025	795
55°	704	522	708	553	704	628
65°	417	321	425	373	417	415
75°	195	158	202	189	195	209
85°	40	41	43	30	40	46
90°	1	19	1	19	1	4
95°	30	35	30	35	30	33
105°	122	126	122	126	122	129
115°	227	227	227	227	227	224
125°	330	331	330	331	330	295
135°	427	432	427	432	427	330
145°	518	524	518	524	518	324
155°	592	597	592	597	592	273
165°	644	645	644	645	644	182
175°	670	668	670	668	670	64
180°	671	671	671	671	671	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1991.8	1996.4	2004.0	2005.5	2020.7	2032.9	2046.6	2046.6	2051.2	2049.7	2037.5
5°	1982.7	1996.4	2016.2	2032.9	2060.3	2072.5	2090.8	2104.5	2116.7	2125.8	2124.3
7.5°	1967.4	1991.8	2020.7	2052.7	2089.3	2110.6	2136.5	2160.8	2177.6	2192.8	2203.5
10°	1941.5	1982.7	2022.3	2064.9	2112.1	2141.0	2171.5	2203.5	2229.4	2258.3	2285.7
12.5°	1906.5	1965.9	2014.6	2071.0	2128.9	2160.8	2209.6	2233.9	2284.2	2357.3	2377.1
15°	1862.4	1943.1	1988.8	2060.3	2136.5	2162.4	2229.4	2268.9	2372.5	2418.2	2473.0
17.5°	1821.2	1911.1	1972.0	2054.2	2128.9	2179.1	2244.6	2325.3	2412.1	2477.6	2538.5
20°	1787.7	1874.5	1947.6	2039.0	2133.4	2197.4	2265.9	2363.4	2457.8	2524.8	2572.0
22.5°	1711.6	1822.8	1908.0	2010.1	2124.3	2212.6	2278.1	2384.7	2486.7	2527.8	2568.9
25°	1673.5	1769.5	1868.5	1984.2	2118.2	2223.3	2279.6	2398.4	2488.2	2503.5	2512.6
27.5°	1603.5	1711.6	1827.3	1959.8	2116.7	2205.0	2276.6	2384.7	2456.2	2445.6	2418.2
30°	1516.7	1649.2	1777.1	1920.2	2095.3	2191.3	2258.3	2357.3	2393.8	2339.0	2290.3
32.5°	1452.7	1577.6	1719.2	1885.2	2071.0	2162.4	2227.8	2305.5	2313.1	2214.1	2131.9
35°	1365.9	1504.5	1664.4	1839.5	2029.9	2112.1	2173.0	2220.2	2183.7	2045.1	1947.6
37.5°	1288.3	1425.3	1595.9	1774.0	1973.5	2054.2	2103.0	2110.6	2020.7	1898.9	1755.8
40°	1203.0	1344.6	1522.8	1710.1	1911.1	1981.1	2011.6	1988.8	1859.3	1717.7	1551.7
42.5°	1117.7	1257.8	1449.7	1641.6	1831.9	1891.3	1903.5	1841.0	1682.7	1516.7	1324.8
45°	1024.8	1171.0	1362.9	1556.3	1740.5	1774.0	1775.6	1685.7	1498.4	1324.8	1146.7
47.5°	948.7	1084.2	1274.6	1468.0	1623.3	1646.1	1637.0	1533.4	1329.4	1134.5	979.1
50°	864.9	994.4	1183.2	1373.6	1506.0	1512.1	1489.3	1341.6	1142.1	963.9	840.6
52.5°	775.1	906.1	1079.7	1262.4	1381.2	1372.0	1327.9	1169.5	982.2	834.5	740.1
55°	703.5	819.3	982.2	1160.4	1244.1	1218.2	1169.5	1008.1	860.4	735.5	653.3
57.5°	624.3	726.4	886.3	1041.6	1090.3	1065.9	1017.2	866.5	729.4	635.0	580.2
60°	549.7	642.6	782.7	912.1	950.2	924.3	868.0	732.5	633.5	554.3	513.2
62.5°	481.2	561.9	679.2	797.9	813.2	787.3	738.5	628.9	543.6	481.2	450.7
65°	417.2	493.4	587.8	677.6	691.3	663.9	613.7	534.5	462.9	423.3	394.4
67.5°	354.8	415.7	499.5	565.0	572.6	546.7	505.6	441.6	397.4	354.8	333.5
70°	300.0	345.7	411.2	464.4	467.5	443.1	421.8	363.9	330.4	300.0	283.2
72.5°	246.7	278.7	328.9	368.5	370.0	354.8	335.0	298.5	269.5	248.2	231.5
75°	194.9	222.3	252.8	287.8	286.3	274.1	258.9	236.0	211.7	198.0	190.3
77.5°	149.2	166.0	190.3	213.2	213.2	207.1	198.0	181.2	166.0	152.3	144.7
80°	106.6	117.3	137.1	144.7	147.7	146.2	138.6	126.4	120.3	109.6	106.6
82.5°	68.5	76.1	85.3	92.9	97.5	94.4	92.9	86.8	77.7	74.6	71.6
85°	39.6	42.6	47.2	51.8	53.3	51.8	54.8	50.3	45.7	45.7	44.2
87.5°	16.8	18.3	21.3	21.3	22.8	22.8	21.3	22.8	22.8	21.3	19.8
90°	0.6	2.1	3.6	5.1	6.6	7.4	8.8	11.5	14.3	17.0	19.8
92.5°	12.5	13.5	14.5	15.5	16.5	17.0	17.1	17.2	17.3	17.5	17.6
95°	29.5	30.7	32.0	33.2	34.5	35.1	35.2	35.5	35.8	36.0	36.3
97.5°	49.3	50.4	51.6	52.7	53.8	54.4	54.7	55.2	55.7	56.2	56.7
100°	72.0	73.0	74.0	75.0	76.0	76.5	76.7	77.1	77.4	77.8	78.2
102.5°	95.8	96.6	97.3	98.1	98.8	99.2	99.4	99.9	100.4	100.9	101.4
105°	121.8	122.2	122.6	122.9	123.3	123.5	123.6	123.9	124.1	124.4	124.6
107.5°	147.9	148.4	148.9	149.4	149.9	150.1	150.1	150.1	150.1	150.1	150.1
110°	172.8	173.6	174.3	175.1	175.8	176.2	176.2	176.2	176.2	176.2	176.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	200.0	200.8	201.5	202.3	203.0	203.4	203.3	203.2	203.1	202.9	202.8
115°	226.6	227.4	228.1	228.9	229.6	230.0	229.9	229.6	229.4	229.1	228.9
117.5°	253.3	254.3	255.3	256.3	257.3	257.8	257.5	256.9	256.2	255.6	255.0
120°	279.9	280.9	281.9	282.9	283.9	284.4	283.9	282.9	281.9	280.9	279.9
122.5°	304.3	305.5	306.8	308.0	309.3	309.9	309.6	309.0	308.3	307.7	307.1
125°	329.7	330.8	332.0	333.1	334.2	334.8	334.6	334.2	333.9	333.5	333.1
127.5°	354.7	356.1	357.5	358.8	360.2	360.9	360.6	360.1	359.6	359.1	358.6
130°	377.9	379.5	381.2	382.8	384.5	385.3	385.2	384.9	384.6	384.4	384.1
132.5°	404.0	405.2	406.5	407.7	409.0	409.6	409.7	409.8	409.9	410.1	410.2
135°	426.6	428.0	429.4	430.8	432.2	432.9	433.0	433.3	433.5	433.8	434.0
137.5°	451.6	452.7	453.9	455.0	456.1	456.7	456.8	457.1	457.3	457.6	457.8
140°	473.7	474.8	476.0	477.1	478.2	478.8	479.1	479.7	480.4	481.0	481.6
142.5°	496.3	497.4	498.6	499.7	500.8	501.4	501.6	502.0	502.3	502.7	503.1
145°	517.9	518.8	519.6	520.5	521.4	521.8	522.2	522.9	523.7	524.4	525.2
147.5°	537.1	538.2	539.4	540.5	541.6	542.2	542.5	543.0	543.5	544.0	544.5
150°	556.9	557.7	558.4	559.2	559.9	560.3	560.6	561.1	561.6	562.1	562.6
152.5°	574.5	575.3	576.0	576.8	577.5	577.9	578.2	578.8	579.5	580.1	580.7
155°	592.1	592.5	592.9	593.2	593.6	593.8	594.0	594.4	594.7	595.1	595.5
157.5°	607.4	607.6	607.9	608.1	608.4	608.5	608.6	608.9	609.1	609.4	609.6
160°	621.0	621.2	621.5	621.7	622.0	622.1	622.2	622.3	622.4	622.6	622.7
162.5°	633.4	633.4	633.4	633.4	633.4	633.4	633.5	633.6	633.7	633.9	634.0
165°	644.2	644.1	643.9	643.8	643.7	643.6	643.6	643.6	643.6	643.6	643.6
167.5°	653.8	653.4	653.0	652.7	652.3	652.1	652.1	652.1	652.1	652.1	652.1
170°	661.2	660.8	660.4	660.1	659.7	659.5	659.4	659.3	659.2	659.0	658.9
172.5°	666.3	665.9	665.5	665.2	664.8	664.6	664.5	664.4	664.3	664.1	664.0
175°	670.3	669.9	669.5	669.2	668.8	668.6	668.5	668.2	667.9	667.7	667.4
177.5°	672.5	672.1	671.7	671.4	671.0	670.8	670.7	670.4	670.2	669.9	669.7
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2058.8	2060.3	2063.4	2078.6	2086.2	2087.7	2081.6	2095.3	2099.9	2095.3	2092.3
5°	2156.3	2165.4	2183.7	2203.5	2201.9	2203.5	2212.6	2221.7	2224.8	2212.6	2217.2
7.5°	2241.5	2259.8	2279.6	2310.1	2310.1	2325.3	2331.4	2339.0	2357.3	2348.1	2345.1
10°	2339.0	2363.4	2399.9	2448.6	2450.2	2465.4	2480.6	2505.0	2512.6	2506.5	2509.5
12.5°	2460.8	2508.0	2511.1	2564.4	2588.7	2591.8	2616.1	2611.6	2626.8	2626.8	2652.7
15°	2514.1	2587.2	2628.3	2680.1	2695.3	2677.1	2696.8	2718.2	2719.7	2719.7	2718.2
17.5°	2610.1	2639.0	2680.1	2707.5	2713.6	2713.6	2715.1	2724.3	2718.2	2706.0	2715.1
20°	2629.8	2642.0	2657.3	2654.2	2657.3	2642.0	2626.8	2611.6	2613.1	2605.5	2628.3
22.5°	2593.3	2590.3	2555.2	2532.4	2532.4	2501.9	2473.0	2459.3	2445.6	2450.2	2457.8
25°	2501.9	2454.7	2412.1	2378.6	2371.0	2322.2	2282.7	2270.5	2247.6	2265.9	2268.9
27.5°	2355.7	2302.4	2233.9	2205.0	2165.4	2145.6	2118.2	2081.6	2034.4	2061.8	2057.3
30°	2198.9	2119.7	2063.4	1993.3	1930.9	1926.3	1874.5	1813.6	1789.3	1789.3	1803.0
32.5°	2023.8	1918.7	1836.5	1737.5	1676.6	1650.7	1588.3	1527.4	1541.1	1495.4	1512.1
35°	1819.7	1681.2	1577.6	1481.7	1436.0	1405.5	1324.8	1291.3	1254.8	1233.5	1273.0
37.5°	1624.8	1464.9	1332.4	1227.4	1210.6	1155.8	1101.0	1079.7	1058.3	1067.5	1065.9
40°	1387.3	1245.6	1126.9	1044.6	1015.7	989.8	953.3	927.4	913.7	921.3	922.8
42.5°	1172.5	1053.8	965.4	907.6	883.2	864.9	846.7	825.3	820.8	820.8	826.9
45°	1006.6	909.1	849.7	802.5	788.8	775.1	761.4	752.3	749.2	743.1	747.7
47.5°	874.1	796.4	759.9	724.8	709.6	706.6	694.4	689.8	683.7	682.2	683.7
50°	762.9	714.2	680.7	660.9	650.2	645.7	639.6	630.4	627.4	635.0	632.0
52.5°	685.3	639.6	621.3	601.5	595.4	589.3	580.2	581.7	580.2	577.1	577.1
55°	607.6	578.7	560.4	545.2	543.6	537.5	529.9	526.9	525.4	522.3	526.9
57.5°	545.2	522.3	505.6	491.9	485.8	485.8	478.2	472.1	472.1	470.5	472.1
60°	482.7	459.9	449.2	435.5	430.9	429.4	424.9	421.8	417.2	417.2	417.2
62.5°	424.9	406.6	394.4	382.2	383.7	376.1	370.0	367.0	367.0	368.5	368.5
65°	370.0	357.9	342.6	332.0	328.9	327.4	324.4	322.8	318.3	321.3	321.3
67.5°	319.8	303.0	293.9	289.3	284.8	283.2	280.2	277.1	275.6	274.1	277.1
70°	269.5	255.8	248.2	245.2	240.6	239.1	237.6	233.0	234.5	236.0	237.6
72.5°	223.8	211.7	210.1	201.0	201.0	201.0	194.9	198.0	196.4	193.4	196.4
75°	176.6	170.6	167.5	162.9	164.5	162.9	161.4	156.8	156.8	158.4	159.9
77.5°	140.1	134.0	132.5	127.9	124.9	127.9	124.9	123.3	123.3	124.9	124.9
80°	103.5	100.5	95.9	95.9	95.9	94.4	94.4	94.4	92.9	91.4	92.9
82.5°	68.5	68.5	67.0	65.5	67.0	64.0	65.5	65.5	65.5	65.5	65.5
85°	44.2	42.6	42.6	41.1	41.1	41.1	42.6	39.6	39.6	41.1	41.1
87.5°	19.8	19.8	19.8	21.3	19.8	19.8	19.8	21.3	19.8	19.8	19.8
90°	19.6	19.3	19.1	18.8	18.7	18.8	18.9	19.0	19.2	19.3	19.2
92.5°	17.7	17.8	17.9	18.0	18.1	18.1	18.1	18.1	18.1	18.1	18.1
95°	36.3	36.3	36.3	36.3	36.3	36.2	35.9	35.6	35.4	35.1	35.4
97.5°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
100°	78.2	78.2	78.2	78.2	78.2	78.1	78.0	77.9	77.7	77.6	77.7
102.5°	101.5	101.7	101.8	101.9	102.0	101.9	101.8	101.7	101.5	101.4	101.5
105°	124.9	125.1	125.4	125.7	125.8	125.8	125.8	125.8	125.8	125.8	125.8
107.5°	150.2	150.4	150.5	150.6	150.7	150.4	149.8	149.1	148.5	147.9	148.5
110°	176.2	176.2	176.2	176.2	176.2	176.0	175.6	175.3	174.9	174.5	174.9

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	202.4	202.0	201.7	201.3	201.1	201.0	200.7	200.5	200.2	200.0	200.2
115°	228.8	228.6	228.5	228.4	228.3	228.1	227.7	227.4	227.0	226.6	227.0
117.5°	254.6	254.2	253.9	253.5	253.3	253.1	252.7	252.4	252.0	251.6	252.0
120°	279.9	279.9	279.9	279.9	279.9	279.7	279.3	279.0	278.6	278.2	278.6
122.5°	306.7	306.3	306.0	305.6	305.4	305.3	305.0	304.8	304.5	304.3	304.5
125°	332.7	332.3	332.0	331.6	331.4	331.3	331.2	331.1	331.0	330.9	331.0
127.5°	358.1	357.6	357.1	356.6	356.4	356.2	355.8	355.5	355.1	354.7	355.1
130°	383.9	383.6	383.4	383.1	383.0	382.7	382.2	381.7	381.2	380.7	381.2
132.5°	409.6	409.0	408.3	407.7	407.4	407.2	406.8	406.5	406.1	405.7	406.1
135°	433.9	433.7	433.6	433.5	433.4	433.2	432.8	432.5	432.1	431.7	432.1
137.5°	457.7	457.5	457.4	457.3	457.2	457.0	456.5	456.0	455.5	455.0	455.5
140°	481.6	481.6	481.6	481.6	481.6	481.3	480.8	480.3	479.8	479.3	479.8
142.5°	503.2	503.4	503.5	503.6	503.7	503.4	502.9	502.4	501.9	501.4	501.9
145°	525.3	525.5	525.6	525.7	525.8	525.5	525.0	524.5	524.0	523.5	524.0
147.5°	544.7	545.0	545.2	545.5	545.6	545.3	544.8	544.3	543.8	543.3	543.8
150°	563.0	563.4	563.7	564.1	564.3	564.1	563.7	563.4	563.0	562.6	563.0
152.5°	581.2	581.7	582.2	582.7	583.0	582.7	582.2	581.7	581.2	580.7	581.2
155°	596.1	596.7	597.4	598.0	598.3	598.1	597.7	597.4	597.0	596.6	597.0
157.5°	610.5	611.4	612.3	613.2	613.6	613.3	612.7	612.0	611.4	610.8	611.4
160°	623.5	624.2	625.0	625.7	626.1	625.8	625.3	624.8	624.3	623.8	624.3
162.5°	634.9	635.8	636.7	637.6	638.0	637.7	637.0	636.4	635.7	635.1	635.7
165°	644.5	645.4	646.3	647.2	647.6	647.3	646.7	646.0	645.4	644.8	645.4
167.5°	653.0	653.9	654.8	655.7	656.1	655.8	655.2	654.5	653.9	653.3	653.9
170°	659.8	660.7	661.6	662.5	662.9	662.5	661.8	661.0	660.3	659.5	660.3
172.5°	664.9	665.8	666.7	667.6	668.0	667.6	666.9	666.1	665.4	664.6	665.4
175°	668.3	669.2	670.1	671.0	671.4	671.0	670.3	669.5	668.8	668.0	668.8
177.5°	670.5	671.2	672.0	672.7	673.1	672.7	672.0	671.2	670.5	669.7	670.5
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2099.9	2089.3	2080.1	2081.6	2089.3	2083.2	2067.9	2048.1	2040.5	2031.4	2040.5
5°	2226.3	2217.2	2198.9	2200.4	2195.9	2189.8	2165.4	2134.9	2134.9	2110.6	2107.5
7.5°	2351.2	2337.5	2325.3	2322.2	2305.5	2293.3	2272.0	2229.4	2212.6	2183.7	2166.9
10°	2491.3	2480.6	2466.9	2450.2	2441.0	2419.7	2384.7	2322.2	2291.8	2252.2	2223.3
12.5°	2632.9	2631.4	2600.9	2567.4	2565.9	2532.4	2508.0	2424.3	2383.2	2329.9	2261.3
15°	2722.7	2715.1	2698.4	2681.6	2686.2	2649.6	2594.8	2495.8	2468.4	2404.5	2331.4
17.5°	2721.2	2721.2	2716.6	2713.6	2709.0	2698.4	2667.9	2602.4	2558.3	2477.6	2409.0
20°	2634.4	2654.2	2658.8	2657.3	2672.5	2680.1	2678.6	2637.5	2602.4	2530.9	2460.8
22.5°	2460.8	2506.5	2526.3	2538.5	2570.5	2587.2	2626.8	2611.6	2602.4	2549.1	2489.8
25°	2299.4	2314.6	2374.0	2377.1	2421.2	2462.3	2501.9	2527.8	2561.3	2541.5	2491.3
27.5°	2090.8	2125.8	2168.4	2200.4	2209.6	2293.3	2358.8	2407.5	2483.7	2489.8	2473.0
30°	1854.7	1871.5	1941.5	1984.2	2032.9	2093.8	2188.2	2272.0	2340.5	2403.0	2424.3
32.5°	1566.9	1635.5	1676.6	1728.4	1771.0	1879.1	1994.8	2103.0	2182.1	2287.2	2332.9
35°	1303.5	1356.8	1426.8	1448.2	1525.8	1617.2	1768.0	1906.5	2026.8	2133.4	2226.3
37.5°	1085.7	1128.4	1203.0	1236.5	1282.2	1399.4	1525.8	1697.9	1842.6	1973.5	2089.3
40°	936.5	968.5	1024.8	1035.5	1073.6	1180.2	1282.2	1443.6	1635.5	1812.1	1938.5
42.5°	834.5	849.7	887.8	901.5	925.9	997.4	1088.8	1241.1	1419.2	1602.0	1780.1
45°	761.4	772.1	794.9	807.1	837.5	869.5	944.1	1065.9	1206.0	1390.3	1582.2
47.5°	695.9	709.6	718.8	726.4	743.1	778.1	826.9	916.7	1050.7	1219.7	1405.5
50°	641.1	645.7	662.4	663.9	674.6	697.4	743.1	797.9	904.5	1041.6	1221.3
52.5°	586.3	590.8	601.5	612.2	616.7	635.0	665.5	711.1	790.3	898.4	1058.3
55°	531.5	537.5	548.2	555.8	560.4	575.6	593.9	638.0	700.5	776.6	907.6
57.5°	476.6	490.3	493.4	498.0	505.6	522.3	539.1	565.0	613.7	683.7	779.7
60°	424.9	429.4	440.1	444.7	452.3	461.4	482.7	502.5	537.5	592.4	679.2
62.5°	371.6	382.2	386.8	391.4	397.4	408.1	421.8	443.1	473.6	517.7	586.3
65°	325.9	327.4	336.5	342.6	348.7	356.3	370.0	389.8	408.1	449.2	499.5
67.5°	281.7	284.8	287.8	293.9	301.5	309.1	321.3	332.0	354.8	382.2	421.8
70°	239.1	239.1	246.7	251.3	249.7	258.9	268.0	280.2	296.9	322.8	354.8
72.5°	201.0	199.5	205.6	207.1	210.1	216.2	222.3	234.5	243.6	263.4	287.8
75°	159.9	162.9	166.0	166.0	170.6	175.1	181.2	187.3	198.0	210.1	228.4
77.5°	126.4	126.4	129.4	131.0	135.5	134.0	140.1	146.2	153.8	164.5	178.2
80°	92.9	95.9	95.9	95.9	97.5	99.0	105.1	109.6	114.2	121.8	127.9
82.5°	65.5	65.5	68.5	68.5	68.5	71.6	71.6	73.1	76.1	80.7	85.3
85°	41.1	41.1	41.1	42.6	41.1	42.6	45.7	44.2	45.7	48.7	48.7
87.5°	19.8	19.8	19.8	19.8	19.8	21.3	19.8	21.3	22.8	22.8	22.8
90°	19.0	18.9	18.8	18.7	18.8	19.1	19.3	19.6	19.8	17.0	14.3
92.5°	18.1	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.3
95°	35.6	35.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.0	35.8
97.5°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.2	55.7
100°	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	77.8	77.4
102.5°	101.7	101.8	101.9	102.0	101.9	101.8	101.7	101.5	101.4	100.9	100.4
105°	125.8	125.8	125.8	125.8	125.7	125.4	125.1	124.9	124.6	124.4	124.1
107.5°	149.1	149.8	150.4	150.7	150.6	150.5	150.4	150.2	150.1	150.1	150.1
110°	175.3	175.6	176.0	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	200.5	200.7	201.0	201.1	201.3	201.7	202.0	202.4	202.8	202.9	203.1
115°	227.4	227.7	228.1	228.3	228.4	228.5	228.6	228.8	228.9	229.1	229.4
117.5°	252.4	252.7	253.1	253.3	253.5	253.9	254.2	254.6	255.0	255.6	256.2
120°	279.0	279.3	279.7	279.9	279.9	279.9	279.9	279.9	279.9	280.9	281.9
122.5°	304.8	305.0	305.3	305.4	305.6	306.0	306.3	306.7	307.1	307.7	308.3
125°	331.1	331.2	331.3	331.4	331.6	332.0	332.3	332.7	333.1	333.5	333.9
127.5°	355.5	355.8	356.2	356.4	356.6	357.1	357.6	358.1	358.6	359.1	359.6
130°	381.7	382.2	382.7	383.0	383.1	383.4	383.6	383.9	384.1	384.4	384.6
132.5°	406.5	406.8	407.2	407.4	407.7	408.3	409.0	409.6	410.2	410.1	409.9
135°	432.5	432.8	433.2	433.4	433.5	433.6	433.7	433.9	434.0	433.8	433.5
137.5°	456.0	456.5	457.0	457.2	457.3	457.4	457.5	457.7	457.8	457.6	457.3
140°	480.3	480.8	481.3	481.6	481.6	481.6	481.6	481.6	481.6	481.0	480.4
142.5°	502.4	502.9	503.4	503.7	503.6	503.5	503.4	503.2	503.1	502.7	502.3
145°	524.5	525.0	525.5	525.8	525.7	525.6	525.5	525.3	525.2	524.4	523.7
147.5°	544.3	544.8	545.3	545.6	545.5	545.2	545.0	544.7	544.5	544.0	543.5
150°	563.4	563.7	564.1	564.3	564.1	563.7	563.4	563.0	562.6	562.1	561.6
152.5°	581.7	582.2	582.7	583.0	582.7	582.2	581.7	581.2	580.7	580.1	579.5
155°	597.4	597.7	598.1	598.3	598.0	597.4	596.7	596.1	595.5	595.1	594.7
157.5°	612.0	612.7	613.3	613.6	613.2	612.3	611.4	610.5	609.6	609.4	609.1
160°	624.8	625.3	625.8	626.1	625.7	625.0	624.2	623.5	622.7	622.6	622.4
162.5°	636.4	637.0	637.7	638.0	637.6	636.7	635.8	634.9	634.0	633.9	633.7
165°	646.0	646.7	647.3	647.6	647.2	646.3	645.4	644.5	643.6	643.6	643.6
167.5°	654.5	655.2	655.8	656.1	655.7	654.8	653.9	653.0	652.1	652.1	652.1
170°	661.0	661.8	662.5	662.9	662.5	661.6	660.7	659.8	658.9	659.0	659.2
172.5°	666.1	666.9	667.6	668.0	667.6	666.7	665.8	664.9	664.0	664.1	664.3
175°	669.5	670.3	671.0	671.4	671.0	670.1	669.2	668.3	667.4	667.7	667.9
177.5°	671.2	672.0	672.7	673.1	672.7	672.0	671.2	670.5	669.7	669.9	670.2
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2032.9	2025.3	2020.7	2023.8	2014.6	1991.8	1991.8	1999.4	1990.3	1981.1	1967.4
5°	2089.3	2074.0	2064.9	2063.4	2042.1	2005.5	1997.9	1990.3	1970.5	1949.2	1926.3
7.5°	2144.1	2116.7	2101.4	2090.8	2060.3	2013.1	1993.3	1976.6	1944.6	1912.6	1883.7
10°	2189.8	2150.2	2131.9	2115.1	2075.6	2016.2	1984.2	1953.7	1912.6	1871.5	1835.0
12.5°	2226.3	2180.6	2157.8	2133.4	2084.7	2007.0	1967.4	1918.7	1877.6	1822.8	1786.2
15°	2287.2	2192.8	2171.5	2148.6	2098.4	1991.8	1943.1	1888.3	1831.9	1758.8	1719.2
17.5°	2335.9	2209.6	2208.0	2159.3	2093.8	1985.7	1911.1	1839.5	1778.6	1705.5	1643.1
20°	2364.9	2235.4	2211.1	2160.8	2078.6	1944.6	1866.9	1787.7	1722.3	1633.9	1571.5
22.5°	2389.2	2272.0	2208.0	2147.1	2046.6	1930.9	1816.7	1742.1	1652.2	1556.3	1496.9
25°	2398.4	2279.6	2212.6	2142.6	2023.8	1891.3	1761.9	1681.2	1580.6	1493.9	1413.1
27.5°	2399.9	2278.1	2195.9	2122.8	1991.8	1839.5	1707.0	1621.8	1510.6	1410.1	1329.4
30°	2384.7	2261.3	2186.7	2107.5	1961.3	1792.3	1640.0	1545.6	1426.8	1326.3	1242.6
32.5°	2339.0	2227.8	2166.9	2080.1	1921.8	1726.8	1576.1	1471.0	1346.1	1247.2	1166.5
35°	2262.9	2186.7	2119.7	2039.0	1870.0	1665.9	1512.1	1388.8	1262.4	1168.0	1091.8
37.5°	2168.4	2127.3	2064.9	1985.7	1810.6	1611.1	1440.6	1303.5	1177.1	1085.7	1011.1
40°	2040.5	2051.2	1990.3	1918.7	1740.5	1536.5	1347.7	1216.7	1097.9	1012.7	939.6
42.5°	1902.0	1946.1	1911.1	1842.6	1662.9	1454.3	1279.1	1134.5	1018.7	930.4	869.5
45°	1752.7	1828.9	1807.5	1757.3	1582.2	1367.5	1181.7	1041.6	939.6	854.3	801.0
47.5°	1589.8	1697.9	1697.9	1661.4	1492.3	1280.7	1097.9	954.8	854.3	793.4	741.6
50°	1423.8	1545.6	1565.4	1541.1	1391.8	1181.7	995.9	866.5	779.7	720.3	682.2
52.5°	1250.2	1391.8	1428.4	1416.2	1285.2	1087.3	912.1	785.8	706.6	654.8	621.3
55°	1084.2	1248.7	1288.3	1292.8	1171.0	983.7	819.3	708.1	632.0	596.9	568.0
57.5°	927.4	1085.7	1129.9	1137.5	1055.3	889.3	732.5	635.0	566.5	537.5	514.7
60°	793.4	925.9	983.7	1000.5	928.9	779.7	651.8	557.3	505.6	478.2	456.8
62.5°	683.7	790.3	851.2	855.8	823.8	683.7	568.0	488.8	444.7	420.3	409.6
65°	577.1	673.1	709.6	727.9	702.0	592.4	490.3	424.9	389.8	368.5	357.9
67.5°	491.9	552.8	583.2	607.6	581.7	499.5	417.2	363.9	338.1	316.7	310.6
70°	403.5	453.8	476.6	501.0	478.2	415.7	356.3	307.6	284.8	268.0	260.4
72.5°	322.8	362.4	383.7	399.0	385.3	333.5	284.8	251.3	234.5	222.3	217.8
75°	255.8	283.2	295.4	306.1	300.0	260.4	229.9	202.5	187.3	176.6	173.6
77.5°	194.9	214.7	228.4	231.5	223.8	198.0	172.1	155.3	143.1	137.1	134.0
80°	138.6	150.8	158.4	162.9	155.3	144.7	126.4	114.2	103.5	95.9	94.4
82.5°	92.9	99.0	105.1	103.5	100.5	91.4	80.7	74.6	70.0	64.0	64.0
85°	53.3	54.8	57.9	59.4	57.9	51.8	45.7	42.6	39.6	35.0	35.0
87.5°	22.8	24.4	24.4	25.9	22.8	22.8	19.8	16.8	16.8	15.2	13.7
90°	11.5	8.8	7.4	6.6	5.1	3.6	2.1	0.6	2.1	3.6	5.1
92.5°	17.2	17.1	17.0	16.5	15.5	14.5	13.5	12.5	13.5	14.5	15.5
95°	35.5	35.2	35.1	34.5	33.2	32.0	30.7	29.5	30.7	32.0	33.2
97.5°	55.2	54.7	54.4	53.8	52.7	51.6	50.4	49.3	50.4	51.6	52.7
100°	77.1	76.7	76.5	76.0	75.0	74.0	73.0	72.0	73.0	74.0	75.0
102.5°	99.9	99.4	99.2	98.8	98.1	97.3	96.6	95.8	96.6	97.3	98.1
105°	123.9	123.6	123.5	123.3	122.9	122.6	122.2	121.8	122.2	122.6	122.9
107.5°	150.1	150.1	150.1	149.9	149.4	148.9	148.4	147.9	148.4	148.9	149.4
110°	176.2	176.2	176.2	175.8	175.1	174.3	173.6	172.8	173.6	174.3	175.1

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	203.2	203.3	203.4	203.0	202.3	201.5	200.8	200.0	200.8	201.5	202.3
115°	229.6	229.9	230.0	229.6	228.9	228.1	227.4	226.6	227.4	228.1	228.9
117.5°	256.9	257.5	257.8	257.3	256.3	255.3	254.3	253.3	254.3	255.3	256.3
120°	282.9	283.9	284.4	283.9	282.9	281.9	280.9	279.9	280.9	281.9	282.9
122.5°	309.0	309.6	309.9	309.3	308.0	306.8	305.5	304.3	305.5	306.8	308.0
125°	334.2	334.6	334.8	334.2	333.1	332.0	330.8	329.7	330.8	332.0	333.1
127.5°	360.1	360.6	360.9	360.2	358.8	357.5	356.1	354.7	356.1	357.5	358.8
130°	384.9	385.2	385.3	384.5	382.8	381.2	379.5	377.9	379.5	381.2	382.8
132.5°	409.8	409.7	409.6	409.0	407.7	406.5	405.2	404.0	405.2	406.5	407.7
135°	433.3	433.0	432.9	432.2	430.8	429.4	428.0	426.6	428.0	429.4	430.8
137.5°	457.1	456.8	456.7	456.1	455.0	453.9	452.7	451.6	452.7	453.9	455.0
140°	479.7	479.1	478.8	478.2	477.1	476.0	474.8	473.7	474.8	476.0	477.1
142.5°	502.0	501.6	501.4	500.8	499.7	498.6	497.4	496.3	497.4	498.6	499.7
145°	522.9	522.2	521.8	521.4	520.5	519.6	518.8	517.9	518.8	519.6	520.5
147.5°	543.0	542.5	542.2	541.6	540.5	539.4	538.2	537.1	538.2	539.4	540.5
150°	561.1	560.6	560.3	559.9	559.2	558.4	557.7	556.9	557.7	558.4	559.2
152.5°	578.8	578.2	577.9	577.5	576.8	576.0	575.3	574.5	575.3	576.0	576.8
155°	594.4	594.0	593.8	593.6	593.2	592.9	592.5	592.1	592.5	592.9	593.2
157.5°	608.9	608.6	608.5	608.4	608.1	607.9	607.6	607.4	607.6	607.9	608.1
160°	622.3	622.2	622.1	622.0	621.7	621.5	621.2	621.0	621.2	621.5	621.7
162.5°	633.6	633.5	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4
165°	643.6	643.6	643.6	643.7	643.8	643.9	644.1	644.2	644.1	643.9	643.8
167.5°	652.1	652.1	652.1	652.3	652.7	653.0	653.4	653.8	653.4	653.0	652.7
170°	659.3	659.4	659.5	659.7	660.1	660.4	660.8	661.2	660.8	660.4	660.1
172.5°	664.4	664.5	664.6	664.8	665.2	665.5	665.9	666.3	665.9	665.5	665.2
175°	668.2	668.5	668.6	668.8	669.2	669.5	669.9	670.3	669.9	669.5	669.2
177.5°	670.4	670.7	670.8	671.0	671.4	671.7	672.1	672.5	672.1	671.7	671.4
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1959.8	1967.4	1965.9	1950.7	1933.9	1920.2	1894.3	1897.4	1888.3	1889.8	1898.9
5°	1911.1	1911.1	1905.0	1883.7	1856.3	1841.0	1812.1	1804.5	1786.2	1784.7	1783.2
7.5°	1859.3	1851.7	1844.1	1813.6	1780.1	1755.8	1716.2	1707.0	1688.8	1676.6	1670.5
10°	1798.4	1787.7	1772.5	1737.5	1696.4	1665.9	1624.8	1612.6	1577.6	1562.4	1553.2
12.5°	1731.4	1725.3	1700.9	1672.0	1605.0	1571.5	1512.1	1524.3	1489.3	1458.8	1454.3
15°	1664.4	1641.6	1627.9	1580.6	1499.9	1484.7	1437.5	1413.1	1381.2	1356.8	1356.8
17.5°	1598.9	1563.9	1533.4	1483.2	1423.8	1381.2	1346.1	1334.0	1294.4	1270.0	1265.4
20°	1512.1	1472.5	1464.9	1393.3	1352.2	1305.0	1271.5	1241.1	1212.1	1201.5	1193.9
22.5°	1429.9	1384.2	1372.0	1311.1	1270.0	1222.8	1189.3	1168.0	1146.7	1139.0	1125.3
25°	1341.6	1314.2	1295.9	1230.4	1184.7	1140.6	1117.7	1102.5	1082.7	1081.2	1072.0
27.5°	1256.3	1230.4	1212.1	1149.7	1116.2	1075.1	1056.8	1040.1	1029.4	1024.8	1020.3
30°	1183.2	1154.3	1133.0	1087.3	1046.2	1012.7	997.4	986.8	980.7	973.1	971.5
32.5°	1102.5	1085.7	1056.8	1021.8	989.8	957.8	948.7	941.1	931.9	928.9	927.4
35°	1034.0	1011.1	992.9	953.3	939.6	912.1	901.5	895.4	883.2	880.2	877.1
37.5°	967.0	945.6	925.9	901.5	875.6	860.4	854.3	845.1	839.1	840.6	837.5
40°	900.0	883.2	868.0	842.1	826.9	819.3	807.1	797.9	794.9	796.4	794.9
42.5°	834.5	819.3	810.1	790.3	775.1	767.5	759.9	750.7	755.3	755.3	759.9
45°	775.1	761.4	755.3	740.1	730.9	718.8	711.1	709.6	715.7	714.2	714.2
47.5°	714.2	709.6	702.0	688.3	676.1	668.5	667.0	667.0	673.1	676.1	674.6
50°	667.0	657.8	648.7	638.0	628.9	625.9	621.3	624.3	630.4	630.4	633.5
52.5°	607.6	601.5	598.5	589.3	583.2	583.2	583.2	584.7	589.3	593.9	592.4
55°	555.8	551.2	548.2	543.6	536.0	537.5	536.0	539.1	543.6	548.2	551.2
57.5°	501.0	499.5	496.4	488.8	488.8	487.3	491.9	493.4	501.0	504.0	508.6
60°	452.3	447.7	447.7	441.6	441.6	441.6	446.2	450.7	456.8	458.4	461.4
62.5°	400.5	400.5	399.0	394.4	394.4	399.0	400.5	406.6	409.6	409.6	414.2
65°	351.8	350.2	348.7	350.2	351.8	351.8	356.3	359.4	362.4	363.9	365.5
67.5°	303.0	301.5	304.6	303.0	306.1	312.2	310.6	315.2	319.8	319.8	321.3
70°	257.4	260.4	258.9	261.9	260.4	263.4	268.0	269.5	269.5	271.1	275.6
72.5°	214.7	214.7	214.7	213.2	214.7	217.8	220.8	222.3	225.4	226.9	231.5
75°	173.6	173.6	170.6	173.6	173.6	176.6	179.7	179.7	179.7	182.7	187.3
77.5°	131.0	132.5	131.0	134.0	134.0	135.5	138.6	137.1	140.1	141.6	143.1
80°	95.9	94.4	94.4	94.4	95.9	95.9	99.0	100.5	100.5	105.1	102.0
82.5°	60.9	62.4	60.9	62.4	62.4	64.0	62.4	64.0	65.5	68.5	67.0
85°	35.0	33.5	33.5	35.0	33.5	33.5	35.0	33.5	35.0	33.5	35.0
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.1	9.1	9.1	7.6
90°	6.6	7.4	8.8	11.5	14.3	17.0	19.8	19.6	19.3	19.1	18.8
92.5°	16.5	17.0	17.1	17.2	17.3	17.5	17.6	17.7	17.8	17.9	18.0
95°	34.5	35.1	35.2	35.5	35.8	36.0	36.3	36.3	36.3	36.3	36.3
97.5°	53.8	54.4	54.7	55.2	55.7	56.2	56.7	56.7	56.7	56.7	56.7
100°	76.0	76.5	76.7	77.1	77.4	77.8	78.2	78.2	78.2	78.2	78.2
102.5°	98.8	99.2	99.4	99.9	100.4	100.9	101.4	101.5	101.7	101.8	101.9
105°	123.3	123.5	123.6	123.9	124.1	124.4	124.6	124.9	125.1	125.4	125.7
107.5°	149.9	150.1	150.1	150.1	150.1	150.1	150.1	150.2	150.4	150.5	150.6
110°	175.8	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	203.0	203.4	203.3	203.2	203.1	202.9	202.8	202.4	202.0	201.7	201.3
115°	229.6	230.0	229.9	229.6	229.4	229.1	228.9	228.8	228.6	228.5	228.4
117.5°	257.3	257.8	257.5	256.9	256.2	255.6	255.0	254.6	254.2	253.9	253.5
120°	283.9	284.4	283.9	282.9	281.9	280.9	279.9	279.9	279.9	279.9	279.9
122.5°	309.3	309.9	309.6	309.0	308.3	307.7	307.1	306.7	306.3	306.0	305.6
125°	334.2	334.8	334.6	334.2	333.9	333.5	333.1	332.7	332.3	332.0	331.6
127.5°	360.2	360.9	360.6	360.1	359.6	359.1	358.6	358.1	357.6	357.1	356.6
130°	384.5	385.3	385.2	384.9	384.6	384.4	384.1	383.9	383.6	383.4	383.1
132.5°	409.0	409.6	409.7	409.8	409.9	410.1	410.2	409.6	409.0	408.3	407.7
135°	432.2	432.9	433.0	433.3	433.5	433.8	434.0	433.9	433.7	433.6	433.5
137.5°	456.1	456.7	456.8	457.1	457.3	457.6	457.8	457.7	457.5	457.4	457.3
140°	478.2	478.8	479.1	479.7	480.4	481.0	481.6	481.6	481.6	481.6	481.6
142.5°	500.8	501.4	501.6	502.0	502.3	502.7	503.1	503.2	503.4	503.5	503.6
145°	521.4	521.8	522.2	522.9	523.7	524.4	525.2	525.3	525.5	525.6	525.7
147.5°	541.6	542.2	542.5	543.0	543.5	544.0	544.5	544.7	545.0	545.2	545.5
150°	559.9	560.3	560.6	561.1	561.6	562.1	562.6	563.0	563.4	563.7	564.1
152.5°	577.5	577.9	578.2	578.8	579.5	580.1	580.7	581.2	581.7	582.2	582.7
155°	593.6	593.8	594.0	594.4	594.7	595.1	595.5	596.1	596.7	597.4	598.0
157.5°	608.4	608.5	608.6	608.9	609.1	609.4	609.6	610.5	611.4	612.3	613.2
160°	622.0	622.1	622.2	622.3	622.4	622.6	622.7	623.5	624.2	625.0	625.7
162.5°	633.4	633.4	633.5	633.6	633.7	633.9	634.0	634.9	635.8	636.7	637.6
165°	643.7	643.6	643.6	643.6	643.6	643.6	643.6	644.5	645.4	646.3	647.2
167.5°	652.3	652.1	652.1	652.1	652.1	652.1	652.1	653.0	653.9	654.8	655.7
170°	659.7	659.5	659.4	659.3	659.2	659.0	658.9	659.8	660.7	661.6	662.5
172.5°	664.8	664.6	664.5	664.4	664.3	664.1	664.0	664.9	665.8	666.7	667.6
175°	668.8	668.6	668.5	668.2	667.9	667.7	667.4	668.3	669.2	670.1	671.0
177.5°	671.0	670.8	670.7	670.4	670.2	669.9	669.7	670.5	671.2	672.0	672.7
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1888.3	1892.8	1882.2	1879.1	1882.2	1871.5	1874.5	1877.6	1877.6	1882.2	1885.2
5°	1778.6	1772.5	1761.9	1758.8	1755.8	1760.3	1757.3	1761.9	1763.4	1774.0	1775.6
7.5°	1670.5	1661.4	1652.2	1643.1	1640.0	1632.4	1640.0	1640.0	1650.7	1647.7	1655.3
10°	1542.6	1541.1	1528.9	1524.3	1518.2	1506.0	1522.8	1518.2	1525.8	1539.5	1542.6
12.5°	1448.2	1431.4	1439.0	1417.7	1425.3	1413.1	1414.7	1414.7	1426.8	1428.4	1425.3
15°	1358.3	1344.6	1324.8	1315.7	1311.1	1305.0	1324.8	1326.3	1317.2	1338.5	1330.9
17.5°	1267.0	1267.0	1248.7	1244.1	1231.9	1238.0	1235.0	1236.5	1233.5	1248.7	1256.3
20°	1187.8	1180.2	1174.1	1175.6	1160.4	1157.3	1154.3	1157.3	1168.0	1178.6	1181.7
22.5°	1123.8	1119.2	1104.0	1107.1	1094.9	1099.4	1096.4	1104.0	1105.5	1105.5	1116.2
25°	1062.9	1056.8	1058.3	1052.2	1047.7	1047.7	1043.1	1047.7	1053.8	1056.8	1058.3
27.5°	1017.2	1012.7	1005.0	1000.5	1003.5	995.9	1002.0	1006.6	1006.6	1003.5	1006.6
30°	962.4	965.4	965.4	950.2	956.3	953.3	957.8	960.9	960.9	962.4	959.4
32.5°	925.9	916.7	915.2	913.7	913.7	907.6	907.6	912.1	913.7	915.2	919.8
35°	877.1	877.1	869.5	874.1	868.0	869.5	868.0	869.5	872.6	868.0	872.6
37.5°	833.0	834.5	831.4	834.5	836.0	833.0	829.9	836.0	833.0	833.0	829.9
40°	794.9	793.4	794.9	794.9	794.9	796.4	793.4	793.4	793.4	790.3	787.3
42.5°	762.9	753.8	756.8	758.3	753.8	753.8	755.3	753.8	758.3	749.2	749.2
45°	717.2	714.2	715.7	715.7	718.8	714.2	717.2	718.8	714.2	712.7	709.6
47.5°	676.1	679.2	676.1	679.2	679.2	682.2	676.1	677.6	679.2	673.1	668.5
50°	635.0	635.0	639.6	638.0	639.6	636.5	636.5	635.0	636.5	633.5	628.9
52.5°	596.9	592.4	600.0	598.5	596.9	595.4	593.9	595.4	592.4	589.3	589.3
55°	549.7	549.7	554.3	555.8	555.8	552.8	549.7	551.2	549.7	548.2	546.7
57.5°	511.7	505.6	508.6	510.1	510.1	505.6	508.6	505.6	505.6	507.1	502.5
60°	462.9	462.9	459.9	464.4	464.4	461.4	461.4	462.9	459.9	458.4	456.8
62.5°	411.2	412.7	417.2	418.8	420.3	417.2	414.2	415.7	415.7	411.2	412.7
65°	367.0	370.0	376.1	374.6	371.6	373.1	370.0	371.6	367.0	368.5	363.9
67.5°	324.4	322.8	324.4	324.4	327.4	325.9	322.8	322.8	321.3	325.9	321.3
70°	278.7	278.7	278.7	278.7	280.2	281.7	278.7	275.6	277.1	274.1	272.6
72.5°	231.5	233.0	231.5	234.5	229.9	233.0	233.0	231.5	229.9	229.9	229.9
75°	187.3	190.3	185.8	187.3	185.8	188.8	187.3	187.3	184.3	182.7	184.3
77.5°	143.1	144.7	141.6	143.1	141.6	143.1	143.1	141.6	141.6	141.6	141.6
80°	102.0	103.5	102.0	100.5	99.0	102.0	99.0	100.5	102.0	100.5	103.5
82.5°	65.5	65.5	64.0	65.5	62.4	62.4	64.0	64.0	62.4	65.5	62.4
85°	32.0	32.0	35.0	32.0	30.5	30.5	30.5	32.0	30.5	33.5	32.0
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.1	6.1
90°	18.7	18.8	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.8	18.7
92.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
95°	36.3	36.2	35.9	35.6	35.4	35.1	35.4	35.6	35.9	36.2	36.3
97.5°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
100°	78.2	78.1	78.0	77.9	77.7	77.6	77.7	77.9	78.0	78.1	78.2
102.5°	102.0	101.9	101.8	101.7	101.5	101.4	101.5	101.7	101.8	101.9	102.0
105°	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8	125.8
107.5°	150.7	150.4	149.8	149.1	148.5	147.9	148.5	149.1	149.8	150.4	150.7
110°	176.2	176.0	175.6	175.3	174.9	174.5	174.9	175.3	175.6	176.0	176.2

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	201.1	201.0	200.7	200.5	200.2	200.0	200.2	200.5	200.7	201.0	201.1
115°	228.3	228.1	227.7	227.4	227.0	226.6	227.0	227.4	227.7	228.1	228.3
117.5°	253.3	253.1	252.7	252.4	252.0	251.6	252.0	252.4	252.7	253.1	253.3
120°	279.9	279.7	279.3	279.0	278.6	278.2	278.6	279.0	279.3	279.7	279.9
122.5°	305.4	305.3	305.0	304.8	304.5	304.3	304.5	304.8	305.0	305.3	305.4
125°	331.4	331.3	331.2	331.1	331.0	330.9	331.0	331.1	331.2	331.3	331.4
127.5°	356.4	356.2	355.8	355.5	355.1	354.7	355.1	355.5	355.8	356.2	356.4
130°	383.0	382.7	382.2	381.7	381.2	380.7	381.2	381.7	382.2	382.7	383.0
132.5°	407.4	407.2	406.8	406.5	406.1	405.7	406.1	406.5	406.8	407.2	407.4
135°	433.4	433.2	432.8	432.5	432.1	431.7	432.1	432.5	432.8	433.2	433.4
137.5°	457.2	457.0	456.5	456.0	455.5	455.0	455.5	456.0	456.5	457.0	457.2
140°	481.6	481.3	480.8	480.3	479.8	479.3	479.8	480.3	480.8	481.3	481.6
142.5°	503.7	503.4	502.9	502.4	501.9	501.4	501.9	502.4	502.9	503.4	503.7
145°	525.8	525.5	525.0	524.5	524.0	523.5	524.0	524.5	525.0	525.5	525.8
147.5°	545.6	545.3	544.8	544.3	543.8	543.3	543.8	544.3	544.8	545.3	545.6
150°	564.3	564.1	563.7	563.4	563.0	562.6	563.0	563.4	563.7	564.1	564.3
152.5°	583.0	582.7	582.2	581.7	581.2	580.7	581.2	581.7	582.2	582.7	583.0
155°	598.3	598.1	597.7	597.4	597.0	596.6	597.0	597.4	597.7	598.1	598.3
157.5°	613.6	613.3	612.7	612.0	611.4	610.8	611.4	612.0	612.7	613.3	613.6
160°	626.1	625.8	625.3	624.8	624.3	623.8	624.3	624.8	625.3	625.8	626.1
162.5°	638.0	637.7	637.0	636.4	635.7	635.1	635.7	636.4	637.0	637.7	638.0
165°	647.6	647.3	646.7	646.0	645.4	644.8	645.4	646.0	646.7	647.3	647.6
167.5°	656.1	655.8	655.2	654.5	653.9	653.3	653.9	654.5	655.2	655.8	656.1
170°	662.9	662.5	661.8	661.0	660.3	659.5	660.3	661.0	661.8	662.5	662.9
172.5°	668.0	667.6	666.9	666.1	665.4	664.6	665.4	666.1	666.9	667.6	668.0
175°	671.4	671.0	670.3	669.5	668.8	668.0	668.8	669.5	670.3	671.0	671.4
177.5°	673.1	672.7	672.0	671.2	670.5	669.7	670.5	671.2	672.0	672.7	673.1
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1880.6	1892.8	1888.3	1871.5	1891.3	1891.3	1905.0	1905.0	1921.8	1927.8	1937.0
5°	1774.0	1783.2	1790.8	1783.2	1796.9	1818.2	1830.4	1841.0	1863.9	1873.0	1886.7
7.5°	1659.8	1676.6	1684.2	1684.2	1707.0	1731.4	1755.8	1771.0	1803.0	1815.2	1828.9
10°	1548.7	1568.5	1583.7	1582.2	1620.2	1635.5	1665.9	1700.9	1732.9	1751.2	1771.0
12.5°	1431.4	1442.1	1463.4	1493.9	1503.0	1530.4	1565.4	1609.6	1667.4	1684.2	1713.1
15°	1334.0	1362.9	1379.6	1393.3	1414.7	1440.6	1478.6	1521.3	1579.1	1615.7	1646.1
17.5°	1251.7	1289.8	1300.5	1297.4	1324.8	1364.4	1408.6	1440.6	1492.3	1536.5	1565.4
20°	1184.7	1200.0	1218.2	1225.8	1247.2	1289.8	1332.4	1369.0	1411.6	1446.6	1480.1
22.5°	1117.7	1129.9	1145.1	1158.8	1175.6	1200.0	1241.1	1286.8	1327.9	1361.4	1399.4
25°	1062.9	1070.5	1084.2	1094.9	1113.2	1129.9	1158.8	1209.1	1257.8	1277.6	1311.1
27.5°	1009.6	1015.7	1024.8	1037.0	1046.2	1062.9	1088.8	1129.9	1180.2	1200.0	1245.6
30°	962.4	967.0	976.1	982.2	986.8	1006.6	1026.4	1058.3	1096.4	1123.8	1157.3
32.5°	918.2	922.8	931.9	933.5	939.6	950.2	968.5	997.4	1030.9	1053.8	1082.7
35°	869.5	872.6	881.7	884.7	889.3	898.4	912.1	933.5	963.9	980.7	1006.6
37.5°	831.4	829.9	836.0	840.6	846.7	851.2	855.8	877.1	900.0	915.2	935.0
40°	790.3	787.3	788.8	794.9	797.9	804.0	804.0	825.3	840.6	852.8	868.0
42.5°	749.2	747.7	744.6	747.7	750.7	752.3	753.8	769.0	784.2	794.9	811.6
45°	708.1	706.6	703.5	705.0	705.0	708.1	712.7	718.8	729.4	738.5	747.7
47.5°	670.0	667.0	662.4	660.9	663.9	663.9	663.9	670.0	680.7	683.7	692.9
50°	630.4	625.9	619.8	616.7	616.7	615.2	618.2	619.8	628.9	632.0	639.6
52.5°	587.8	584.7	578.7	572.6	574.1	571.0	572.6	574.1	577.1	581.7	586.3
55°	545.2	539.1	534.5	533.0	528.4	528.4	523.8	529.9	528.4	529.9	536.0
57.5°	504.0	498.0	490.3	487.3	482.7	481.2	478.2	476.6	478.2	482.7	487.3
60°	455.3	452.3	447.7	443.1	440.1	435.5	432.5	432.5	430.9	430.9	432.5
62.5°	408.1	406.6	400.5	399.0	395.9	392.9	388.3	385.3	385.3	388.3	389.8
65°	362.4	360.9	356.3	354.8	347.2	344.1	342.6	341.1	338.1	338.1	338.1
67.5°	319.8	315.2	315.2	307.6	301.5	298.5	295.4	293.9	293.9	293.9	295.4
70°	272.6	272.6	268.0	263.4	257.4	258.9	254.3	249.7	249.7	246.7	248.2
72.5°	226.9	225.4	220.8	219.3	214.7	210.1	207.1	210.1	205.6	204.1	205.6
75°	182.7	181.2	178.2	175.1	176.6	172.1	167.5	166.0	166.0	162.9	162.9
77.5°	140.1	143.1	137.1	135.5	132.5	129.4	127.9	126.4	126.4	126.4	129.4
80°	97.5	99.0	99.0	95.9	97.5	92.9	92.9	92.9	88.3	89.8	91.4
82.5°	62.4	62.4	60.9	62.4	60.9	60.9	59.4	59.4	57.9	57.9	59.4
85°	35.0	33.5	32.0	35.0	33.5	33.5	32.0	32.0	32.0	32.0	32.0
87.5°	7.6	9.1	9.1	9.1	9.1	10.7	10.7	10.7	12.2	12.2	12.2
90°	18.8	19.1	19.3	19.6	19.8	17.0	14.3	11.5	8.8	7.4	6.6
92.5°	18.0	17.9	17.8	17.7	17.6	17.5	17.3	17.2	17.1	17.0	16.5
95°	36.3	36.3	36.3	36.3	36.3	36.0	35.8	35.5	35.2	35.1	34.5
97.5°	56.7	56.7	56.7	56.7	56.7	56.2	55.7	55.2	54.7	54.4	53.8
100°	78.2	78.2	78.2	78.2	78.2	77.8	77.4	77.1	76.7	76.5	76.0
102.5°	101.9	101.8	101.7	101.5	101.4	100.9	100.4	99.9	99.4	99.2	98.8
105°	125.7	125.4	125.1	124.9	124.6	124.4	124.1	123.9	123.6	123.5	123.3
107.5°	150.6	150.5	150.4	150.2	150.1	150.1	150.1	150.1	150.1	150.1	149.9
110°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	175.8

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	201.3	201.7	202.0	202.4	202.8	202.9	203.1	203.2	203.3	203.4	203.0
115°	228.4	228.5	228.6	228.8	228.9	229.1	229.4	229.6	229.9	230.0	229.6
117.5°	253.5	253.9	254.2	254.6	255.0	255.6	256.2	256.9	257.5	257.8	257.3
120°	279.9	279.9	279.9	279.9	279.9	280.9	281.9	282.9	283.9	284.4	283.9
122.5°	305.6	306.0	306.3	306.7	307.1	307.7	308.3	309.0	309.6	309.9	309.3
125°	331.6	332.0	332.3	332.7	333.1	333.5	333.9	334.2	334.6	334.8	334.2
127.5°	356.6	357.1	357.6	358.1	358.6	359.1	359.6	360.1	360.6	360.9	360.2
130°	383.1	383.4	383.6	383.9	384.1	384.4	384.6	384.9	385.2	385.3	384.5
132.5°	407.7	408.3	409.0	409.6	410.2	410.1	409.9	409.8	409.7	409.6	409.0
135°	433.5	433.6	433.7	433.9	434.0	433.8	433.5	433.3	433.0	432.9	432.2
137.5°	457.3	457.4	457.5	457.7	457.8	457.6	457.3	457.1	456.8	456.7	456.1
140°	481.6	481.6	481.6	481.6	481.6	481.0	480.4	479.7	479.1	478.8	478.2
142.5°	503.6	503.5	503.4	503.2	503.1	502.7	502.3	502.0	501.6	501.4	500.8
145°	525.7	525.6	525.5	525.3	525.2	524.4	523.7	522.9	522.2	521.8	521.4
147.5°	545.5	545.2	545.0	544.7	544.5	544.0	543.5	543.0	542.5	542.2	541.6
150°	564.1	563.7	563.4	563.0	562.6	562.1	561.6	561.1	560.6	560.3	559.9
152.5°	582.7	582.2	581.7	581.2	580.7	580.1	579.5	578.8	578.2	577.9	577.5
155°	598.0	597.4	596.7	596.1	595.5	595.1	594.7	594.4	594.0	593.8	593.6
157.5°	613.2	612.3	611.4	610.5	609.6	609.4	609.1	608.9	608.6	608.5	608.4
160°	625.7	625.0	624.2	623.5	622.7	622.6	622.4	622.3	622.2	622.1	622.0
162.5°	637.6	636.7	635.8	634.9	634.0	633.9	633.7	633.6	633.5	633.4	633.4
165°	647.2	646.3	645.4	644.5	643.6	643.6	643.6	643.6	643.6	643.6	643.7
167.5°	655.7	654.8	653.9	653.0	652.1	652.1	652.1	652.1	652.1	652.1	652.3
170°	662.5	661.6	660.7	659.8	658.9	659.0	659.2	659.3	659.4	659.5	659.7
172.5°	667.6	666.7	665.8	664.9	664.0	664.1	664.3	664.4	664.5	664.6	664.8
175°	671.0	670.1	669.2	668.3	667.4	667.7	667.9	668.2	668.5	668.6	668.8
177.5°	672.7	672.0	671.2	670.5	669.7	669.9	670.2	670.4	670.7	670.8	671.0
180°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4

TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1981.1	1981.1	1981.1	1981.1
2.5°	1944.6	1944.6	1967.4	1991.8
5°	1902.0	1912.6	1949.2	1982.7
7.5°	1860.8	1879.1	1924.8	1967.4
10°	1810.6	1835.0	1891.3	1941.5
12.5°	1761.9	1784.7	1850.2	1906.5
15°	1693.3	1722.3	1792.3	1862.4
17.5°	1624.8	1653.7	1739.0	1821.2
20°	1544.1	1582.2	1678.1	1787.7
22.5°	1469.5	1516.7	1623.3	1711.6
25°	1387.3	1460.3	1559.3	1673.5
27.5°	1314.2	1387.3	1487.8	1603.5
30°	1231.9	1306.5	1410.1	1516.7
32.5°	1152.7	1221.3	1321.8	1452.7
35°	1070.5	1136.0	1233.5	1365.9
37.5°	995.9	1059.9	1166.5	1288.3
40°	922.8	989.8	1081.2	1203.0
42.5°	854.3	913.7	995.9	1117.7
45°	791.8	834.5	910.6	1024.8
47.5°	726.4	764.4	834.5	948.7
50°	665.5	697.4	758.3	864.9
52.5°	606.1	633.5	689.8	775.1
55°	552.8	578.7	619.8	703.5
57.5°	498.0	517.7	557.3	624.3
60°	444.7	462.9	494.9	549.7
62.5°	391.4	406.6	437.0	481.2
65°	344.1	356.3	379.2	417.2
67.5°	298.5	306.1	324.4	354.8
70°	254.3	260.4	275.6	300.0
72.5°	207.1	213.2	229.9	246.7
75°	167.5	169.0	181.2	194.9
77.5°	131.0	129.4	138.6	149.2
80°	89.8	94.4	102.0	106.6
82.5°	60.9	62.4	65.5	68.5
85°	33.5	35.0	35.0	39.6
87.5°	13.7	15.2	15.2	16.8
90°	5.1	3.6	2.1	0.6
92.5°	15.5	14.5	13.5	12.5
95°	33.2	32.0	30.7	29.5
97.5°	52.7	51.6	50.4	49.3
100°	75.0	74.0	73.0	72.0
102.5°	98.1	97.3	96.6	95.8
105°	122.9	122.6	122.2	121.8
107.5°	149.4	148.9	148.4	147.9
110°	175.1	174.3	173.6	172.8



TEST NUMBER: P1008632

CATALOG NUMBER: S122DIP-B1005D530UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	202.3	201.5	200.8	200.0
115°	228.9	228.1	227.4	226.6
117.5°	256.3	255.3	254.3	253.3
120°	282.9	281.9	280.9	279.9
122.5°	308.0	306.8	305.5	304.3
125°	333.1	332.0	330.8	329.7
127.5°	358.8	357.5	356.1	354.7
130°	382.8	381.2	379.5	377.9
132.5°	407.7	406.5	405.2	404.0
135°	430.8	429.4	428.0	426.6
137.5°	455.0	453.9	452.7	451.6
140°	477.1	476.0	474.8	473.7
142.5°	499.7	498.6	497.4	496.3
145°	520.5	519.6	518.8	517.9
147.5°	540.5	539.4	538.2	537.1
150°	559.2	558.4	557.7	556.9
152.5°	576.8	576.0	575.3	574.5
155°	593.2	592.9	592.5	592.1
157.5°	608.1	607.9	607.6	607.4
160°	621.7	621.5	621.2	621.0
162.5°	633.4	633.4	633.4	633.4
165°	643.8	643.9	644.1	644.2
167.5°	652.7	653.0	653.4	653.8
170°	660.1	660.4	660.8	661.2
172.5°	665.2	665.5	665.9	666.3
175°	669.2	669.5	669.9	670.3
177.5°	671.4	671.7	672.1	672.5
180°	671.4	671.4	671.4	671.4

(END OF REPORT)