

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: P1007966

Luminaire Tested: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007966
REPORT IS A COMBINATION OF REPORTS P983709 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

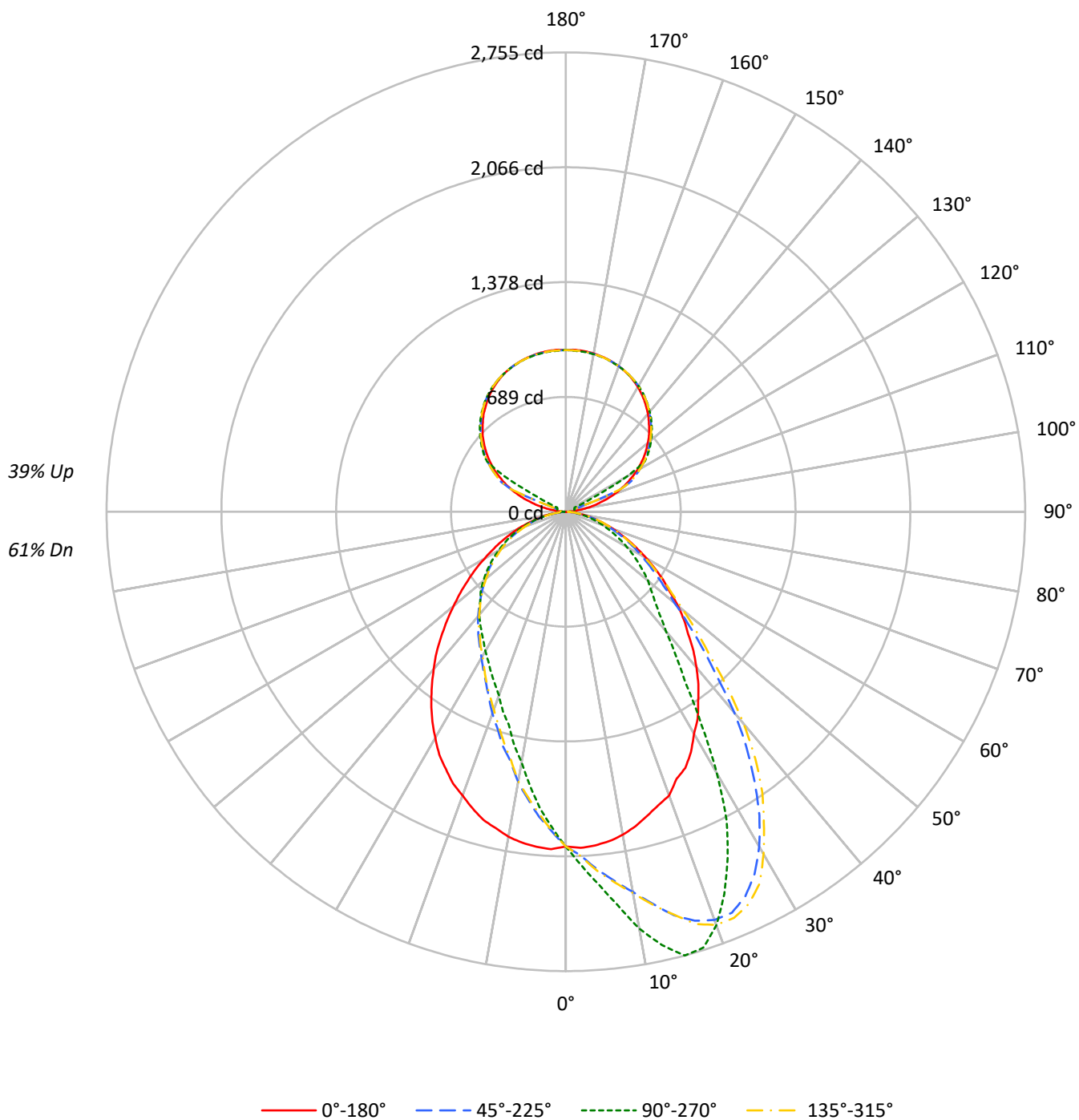
Lumens per Lamp: N/A
Luminaire Lumens: 7272.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 82.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	61
1	101	97	93	90	94	91	87	84	79	77	75	69	67	66	59	58	57	57	57	53
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	49	49	45
3	85	75	68	63	79	71	65	59	62	58	54	55	51	48	48	45	42	42	42	39
4	78	67	59	53	73	63	56	51	56	51	46	49	45	42	43	40	37	37	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	33	33	30
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	36	32	29	29	29	26
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	26	26	24
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	24	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	28	24	21	21	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31769	31769	31769	31769
5°	31845	33874	31967	26949
10°	31476	36978	31673	22219
15°	30711	39004	31139	18715
20°	30233	36622	30233	16267
25°	29270	31461	29403	14546
30°	27685	24732	28213	13176
35°	26279	17101	26719	12055
40°	24665	12912	24947	11162
45°	22674	10611	23046	10198
50°	20953	9313	20991	9335
55°	18991	7935	19113	8399
60°	16899	6629	17133	7330
65°	15027	5391	15300	6259
70°	13161	4230	13494	5049
75°	11048	3070	11479	3662
80°	8622	1947	9237	2174
85°	5664	981	6102	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.6
10°-20°	556.4	7.7
20°-30°	807.5	11.1
30°-40°	851.2	11.7
40°-50°	753.3	10.4
50°-60°	601.5	8.3
60°-70°	408.5	5.6
70°-80°	209.0	2.9
80°-90°	51.1	0.7
90°-100°	32.0	0.4
100°-110°	119.2	1.6
110°-120°	316.1	4.3
120°-130°	524.2	7.2
130°-140°	556.8	7.7
140°-150°	517.5	7.1
150°-160°	416.1	5.7
160°-170°	268.1	3.7
170°-180°	92.3	1.3
0°-30°	1555.0	21.4
0°-40°	2406.3	33.1
0°-60°	3761.0	51.7
0°-90°	4429.7	60.9
90°-120°	467.2	6.4
90°-150°	2065.8	28.4
90°-180°	2842.0	39.1
0°-180°	7272.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2007	2007	2007	2007	2007	
5°	2008	2242	2016	1783	2008	190
15°	1887	2755	1913	1322	1887	533
25°	1695	2295	1703	1061	1695	775
35°	1384	1250	1407	881	1384	866
45°	1038	753	1055	724	1038	805
55°	713	529	717	560	713	636
65°	423	326	430	378	423	420
75°	198	160	205	191	198	212
85°	40	42	43	31	40	47
90°	1	19	1	19	1	5
95°	46	30	46	30	46	54
105°	213	53	213	53	213	228
115°	403	58	403	58	403	397
125°	570	600	570	600	570	509
135°	706	729	706	729	706	545
145°	819	831	819	831	819	512
155°	902	902	902	902	902	415
165°	950	948	950	948	950	268
175°	972	966	972	966	972	92
180°	970	970	970	970	970	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2017.8	2022.4	2030.1	2031.7	2047.1	2059.4	2073.3	2073.3	2077.9	2076.4	2064.1
5°	2008.5	2022.4	2042.5	2059.4	2087.2	2099.5	2118.0	2131.9	2144.3	2153.5	2152.0
7.5°	1993.1	2017.8	2047.1	2079.5	2116.5	2138.1	2164.3	2189.0	2206.0	2221.4	2232.2
10°	1966.9	2008.5	2048.6	2091.8	2139.6	2169.0	2199.8	2232.2	2258.4	2287.7	2315.5
12.5°	1931.4	1991.5	2040.9	2098.0	2156.6	2189.0	2238.4	2263.1	2314.0	2388.0	2408.1
15°	1886.6	1968.4	2014.7	2087.2	2164.3	2190.6	2258.4	2298.5	2403.4	2449.7	2505.2
17.5°	1845.0	1936.0	1997.7	2081.0	2156.6	2207.5	2273.9	2355.6	2443.5	2509.9	2571.6
20°	1811.1	1899.0	1973.0	2065.6	2161.2	2226.0	2295.4	2394.2	2489.8	2557.7	2605.5
22.5°	1733.9	1846.5	1932.9	2036.3	2152.0	2241.5	2307.8	2415.8	2519.1	2560.8	2602.4
25°	1695.4	1792.5	1892.8	2010.1	2145.8	2252.3	2309.3	2429.7	2520.7	2536.1	2545.4
27.5°	1624.4	1733.9	1851.2	1985.4	2144.3	2233.7	2306.2	2415.8	2488.3	2477.5	2449.7
30°	1536.5	1670.7	1800.3	1945.3	2122.7	2219.9	2287.7	2388.0	2425.0	2369.5	2320.1
32.5°	1471.7	1598.2	1741.6	1909.8	2098.0	2190.6	2256.9	2335.6	2343.3	2243.0	2159.7
35°	1383.7	1524.1	1686.1	1863.5	2056.3	2139.6	2201.3	2249.2	2212.1	2071.8	1973.0
37.5°	1305.1	1443.9	1616.7	1797.2	1999.3	2081.0	2130.4	2138.1	2047.1	1923.7	1778.7
40°	1218.7	1362.2	1542.6	1732.4	1936.0	2007.0	2037.8	2014.7	1883.6	1740.1	1572.0
42.5°	1132.3	1274.2	1468.6	1663.0	1855.8	1916.0	1928.3	1865.1	1704.6	1536.5	1342.1
45°	1038.2	1186.3	1380.7	1576.6	1763.2	1797.2	1798.7	1707.7	1518.0	1342.1	1161.6
47.5°	961.1	1098.4	1291.2	1487.1	1644.5	1667.6	1658.3	1553.4	1346.7	1149.3	991.9
50°	876.2	1007.3	1198.6	1391.5	1525.7	1531.8	1508.7	1359.1	1157.0	976.5	851.5
52.5°	785.2	917.9	1093.7	1278.8	1399.2	1389.9	1345.2	1184.7	995.0	845.4	749.7
55°	712.7	829.9	995.0	1175.5	1260.3	1234.1	1184.7	1021.2	871.6	745.1	661.8
57.5°	632.5	735.8	897.8	1055.2	1104.5	1079.8	1030.5	877.8	738.9	643.3	587.7
60°	556.9	651.0	792.9	924.0	962.6	936.4	879.3	742.0	641.7	561.5	519.9
62.5°	487.5	569.2	688.0	808.3	823.8	797.5	748.2	637.1	550.7	487.5	456.6
65°	422.7	499.8	595.5	686.5	700.4	672.6	621.7	541.5	469.0	428.9	399.5
67.5°	359.4	421.1	506.0	572.3	580.0	553.8	512.2	447.4	402.6	359.4	337.8
70°	303.9	350.2	416.5	470.5	473.6	448.9	427.3	368.7	334.8	303.9	286.9
72.5°	249.9	282.3	333.2	373.3	374.9	359.4	339.4	302.4	273.0	251.5	234.5
75°	197.5	225.2	256.1	291.6	290.0	277.7	262.2	239.1	214.4	200.5	192.8
77.5°	151.2	168.1	192.8	216.0	216.0	209.8	200.5	183.6	168.1	154.3	146.6
80°	108.0	118.8	138.8	146.6	149.6	148.1	140.4	128.0	121.9	111.1	108.0
82.5°	69.4	77.1	86.4	94.1	98.7	95.6	94.1	87.9	78.7	75.6	72.5
85°	40.1	43.2	47.8	52.4	54.0	52.4	55.5	50.9	46.3	46.3	44.7
87.5°	17.0	18.5	21.6	21.6	23.1	23.1	21.6	23.1	23.1	21.6	20.1
90°	0.7	2.4	4.1	5.8	7.5	8.4	9.0	10.3	11.5	12.8	14.0
92.5°	17.5	16.9	16.3	15.6	15.0	14.7	14.9	15.4	15.9	16.3	16.8
95°	45.6	40.4	35.3	30.1	25.0	22.4	23.0	24.1	25.2	26.3	27.4
97.5°	82.1	69.3	56.5	43.8	31.0	24.6	25.8	28.3	30.8	33.3	35.8
100°	124.2	102.8	81.5	60.1	38.8	28.1	29.4	32.1	34.7	37.4	40.0
102.5°	170.5	170.2	169.9	169.6	169.3	169.1	154.9	126.5	98.2	69.8	41.4
105°	213.3	218.0	222.6	227.3	232.0	234.3	213.0	170.5	127.9	85.4	42.8
107.5°	263.1	267.0	270.9	274.8	278.7	280.6	254.3	201.8	149.3	96.7	44.2
110°	310.8	314.1	317.3	320.6	323.9	325.5	303.0	257.9	212.9	167.8	122.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	355.7	358.5	361.3	364.1	366.9	368.3	367.0	364.3	361.7	359.0	356.4
115°	403.4	406.0	408.7	411.3	414.0	415.3	417.2	421.1	425.0	428.9	432.8
117.5°	444.8	447.9	451.0	454.1	457.2	458.8	460.1	462.8	465.4	468.1	470.7
120°	491.1	493.4	495.8	498.1	500.4	501.6	503.0	505.8	508.6	511.4	514.2
122.5°	530.4	532.9	535.4	537.9	540.4	541.6	543.2	546.3	549.4	552.5	555.6
125°	570.3	572.3	574.4	576.4	578.5	579.5	581.0	583.9	586.9	589.8	592.8
127.5°	606.8	609.0	611.2	613.3	615.5	616.6	617.8	620.1	622.5	624.8	627.2
130°	641.2	643.7	646.2	648.7	651.2	652.4	653.3	655.0	656.7	658.4	660.1
132.5°	676.3	678.3	680.3	682.4	684.4	685.4	686.3	688.0	689.7	691.4	693.1
135°	705.7	708.2	710.7	713.2	715.7	717.0	717.7	719.1	720.5	721.9	723.3
137.5°	736.6	738.5	740.3	742.2	744.1	745.0	745.8	747.3	748.9	750.4	752.0
140°	766.8	768.0	769.3	770.5	771.8	772.4	773.3	775.0	776.7	778.4	780.1
142.5°	792.0	793.1	794.2	795.3	796.4	796.9	797.9	800.0	802.0	804.1	806.1
145°	818.7	818.5	818.4	818.2	818.1	818.0	819.3	822.0	824.6	827.3	829.9
147.5°	841.8	841.3	840.9	840.4	839.9	839.7	841.0	843.7	846.4	849.0	851.7
150°	864.3	863.2	862.1	861.0	859.9	859.4	860.6	863.1	865.6	868.1	870.6
152.5°	883.2	882.0	880.7	879.5	878.2	877.6	878.8	881.1	883.4	885.8	888.1
155°	901.5	900.1	898.7	897.3	895.9	895.2	896.1	898.0	899.9	901.7	903.6
157.5°	916.2	915.0	913.7	912.5	911.2	910.6	911.3	912.7	914.1	915.5	916.9
160°	928.8	927.9	926.9	926.0	925.1	924.6	925.1	926.0	926.9	927.9	928.8
162.5°	940.1	939.1	938.2	937.2	936.3	935.8	936.2	937.0	937.8	938.6	939.4
165°	949.9	949.0	948.0	947.1	946.2	945.7	945.9	946.4	946.9	947.3	947.8
167.5°	957.6	956.7	955.7	954.8	953.9	953.4	953.6	954.1	954.6	955.0	955.5
170°	963.9	963.0	962.0	961.1	960.2	959.7	959.9	960.2	960.5	960.8	961.1
172.5°	968.1	967.2	966.2	965.3	964.4	963.9	964.1	964.4	964.7	965.0	965.3
175°	971.6	970.5	969.4	968.3	967.2	966.7	966.9	967.2	967.5	967.8	968.1
177.5°	973.0	971.9	970.8	969.7	968.6	968.1	968.2	968.3	968.5	968.6	968.8
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2085.7	2087.2	2090.3	2105.7	2113.4	2115.0	2108.8	2122.7	2127.3	2122.7	2119.6
5°	2184.4	2193.6	2212.1	2232.2	2230.7	2232.2	2241.5	2250.7	2253.8	2241.5	2246.1
7.5°	2270.8	2289.3	2309.3	2340.2	2340.2	2355.6	2361.8	2369.5	2388.0	2378.8	2375.7
10°	2369.5	2394.2	2431.2	2480.6	2482.1	2497.5	2513.0	2537.6	2545.4	2539.2	2542.3
12.5°	2492.9	2540.7	2543.8	2597.8	2622.5	2625.6	2650.3	2645.6	2661.1	2661.1	2687.3
15°	2546.9	2620.9	2662.6	2715.0	2730.5	2712.0	2732.0	2753.6	2755.2	2755.2	2753.6
17.5°	2644.1	2673.4	2715.0	2742.8	2749.0	2749.0	2750.5	2759.8	2753.6	2741.3	2750.5
20°	2664.1	2676.5	2691.9	2688.8	2691.9	2676.5	2661.1	2645.6	2647.2	2639.5	2662.6
22.5°	2627.1	2624.0	2588.6	2565.4	2565.4	2534.6	2505.2	2491.4	2477.5	2482.1	2489.8
25°	2534.6	2486.7	2443.5	2409.6	2401.9	2352.5	2312.4	2300.1	2276.9	2295.4	2298.5
27.5°	2386.5	2332.5	2263.1	2233.7	2193.6	2173.6	2145.8	2108.8	2061.0	2088.7	2084.1
30°	2227.6	2147.4	2090.3	2019.3	1956.1	1951.4	1899.0	1837.3	1812.6	1812.6	1826.5
32.5°	2050.2	1943.7	1860.4	1760.2	1698.4	1672.2	1609.0	1547.3	1561.2	1514.9	1531.8
35°	1843.5	1703.1	1598.2	1501.0	1454.7	1423.9	1342.1	1308.2	1271.1	1249.5	1289.6
37.5°	1646.0	1484.0	1349.8	1243.4	1226.4	1170.9	1115.3	1093.7	1072.1	1081.4	1079.8
40°	1405.3	1261.9	1141.6	1058.3	1028.9	1002.7	965.7	939.5	925.6	933.3	934.8
42.5°	1187.8	1067.5	978.0	919.4	894.7	876.2	857.7	836.1	831.5	831.5	837.7
45°	1019.7	921.0	860.8	813.0	799.1	785.2	771.3	762.1	759.0	752.8	757.4
47.5°	885.5	806.8	769.8	734.3	718.9	715.8	703.4	698.8	692.6	691.1	692.6
50°	772.9	723.5	689.6	669.5	658.7	654.1	647.9	638.7	635.6	643.3	640.2
52.5°	694.2	647.9	629.4	609.3	603.2	597.0	587.7	589.3	587.7	584.7	584.7
55°	615.5	586.2	567.7	552.3	550.7	544.6	536.8	533.8	532.2	529.1	533.8
57.5°	552.3	529.1	512.2	498.3	492.1	492.1	484.4	478.2	478.2	476.7	478.2
60°	489.0	465.9	455.1	441.2	436.6	435.0	430.4	427.3	422.7	422.7	422.7
62.5°	430.4	411.9	399.5	387.2	388.7	381.0	374.9	371.8	371.8	373.3	373.3
65°	374.9	362.5	347.1	336.3	333.2	331.7	328.6	327.0	322.4	325.5	325.5
67.5°	324.0	307.0	297.7	293.1	288.5	286.9	283.8	280.8	279.2	277.7	280.8
70°	273.0	259.2	251.5	248.4	243.7	242.2	240.7	236.0	237.6	239.1	240.7
72.5°	226.8	214.4	212.9	203.6	203.6	203.6	197.5	200.5	199.0	195.9	199.0
75°	178.9	172.8	169.7	165.1	166.6	165.1	163.5	158.9	158.9	160.4	162.0
77.5°	141.9	135.8	134.2	129.6	126.5	129.6	126.5	125.0	125.0	126.5	126.5
80°	104.9	101.8	97.2	97.2	97.2	95.6	95.6	95.6	94.1	92.6	94.1
82.5°	69.4	69.4	67.9	66.3	67.9	64.8	66.3	66.3	66.3	66.3	66.3
85°	44.7	43.2	43.2	41.7	41.7	41.7	43.2	40.1	40.1	41.7	41.7
87.5°	20.1	20.1	20.1	21.6	20.1	20.1	20.1	21.6	20.1	20.1	20.1
90°	14.8	15.6	16.3	17.1	17.5	17.7	18.0	18.3	18.6	18.9	18.6
92.5°	17.1	17.4	17.7	18.0	18.2	18.3	18.4	18.6	18.7	18.9	18.7
95°	28.2	29.0	29.7	30.5	30.9	30.8	30.7	30.5	30.4	30.2	30.4
97.5°	36.3	36.7	37.2	37.7	37.9	38.0	38.1	38.3	38.4	38.6	38.4
100°	41.2	42.5	43.7	45.0	45.6	45.8	46.1	46.4	46.7	47.0	46.7
102.5°	43.1	44.8	46.5	48.2	49.1	49.3	49.8	50.3	50.7	51.2	50.7
105°	44.5	46.2	47.9	49.6	50.5	50.8	51.4	52.1	52.7	53.3	52.7
107.5°	45.9	47.6	49.3	51.0	51.9	52.2	52.8	53.5	54.1	54.7	54.1
110°	107.2	91.6	76.0	60.4	52.6	52.9	53.5	54.2	54.8	55.4	54.8

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	289.2	222.0	154.8	87.6	54.0	54.2	54.7	55.2	55.6	56.1	55.6
115°	360.6	288.4	216.3	144.1	108.0	102.4	91.2	79.9	68.7	57.5	68.7
117.5°	448.4	426.1	403.8	381.5	370.4	350.0	309.1	268.3	227.4	186.6	227.4
120°	516.1	517.9	519.8	521.7	522.6	512.1	491.0	470.0	448.9	427.9	448.9
122.5°	556.5	557.5	558.4	559.3	559.8	559.9	560.0	560.2	560.3	560.5	560.3
125°	593.9	595.0	596.1	597.2	597.7	597.9	598.4	598.9	599.3	599.8	599.3
127.5°	628.8	630.3	631.9	633.4	634.2	634.3	634.4	634.6	634.7	634.9	634.7
130°	661.8	663.6	665.3	667.0	667.9	667.8	667.7	667.5	667.4	667.2	667.4
132.5°	694.5	695.9	697.3	698.7	699.4	699.3	699.2	699.0	698.9	698.7	698.9
135°	724.9	726.4	728.0	729.5	730.3	730.1	729.8	729.5	729.2	728.9	729.2
137.5°	753.6	755.2	756.7	758.3	759.1	758.9	758.4	757.9	757.5	757.0	757.5
140°	781.5	782.9	784.3	785.7	786.4	786.0	785.2	784.5	783.7	782.9	783.7
142.5°	807.3	808.6	809.8	811.1	811.7	811.3	810.5	809.8	809.0	808.2	809.0
145°	831.0	832.1	833.2	834.3	834.8	834.4	833.6	832.9	832.1	831.3	832.1
147.5°	852.5	853.3	854.0	854.8	855.2	854.9	854.3	853.6	853.0	852.4	853.0
150°	871.5	872.5	873.4	874.3	874.8	874.4	873.6	872.9	872.1	871.3	872.1
152.5°	889.1	890.0	891.0	891.9	892.4	891.8	890.7	889.6	888.5	887.4	888.5
155°	904.5	905.5	906.4	907.3	907.8	907.2	905.9	904.7	903.4	902.2	903.4
157.5°	918.0	919.1	920.2	921.3	921.8	921.2	919.9	918.7	917.4	916.2	917.4
160°	929.7	930.7	931.6	932.5	933.0	932.5	931.4	930.3	929.2	928.1	929.2
162.5°	940.5	941.6	942.7	943.8	944.3	943.6	942.2	940.8	939.4	938.0	939.4
165°	948.9	950.0	951.1	952.2	952.7	952.2	951.1	950.0	948.9	947.8	948.9
167.5°	956.6	957.7	958.8	959.9	960.4	959.7	958.3	956.9	955.5	954.1	955.5
170°	962.2	963.3	964.4	965.5	966.0	965.3	963.9	962.5	961.1	959.7	961.1
172.5°	966.4	967.5	968.6	969.7	970.2	969.5	968.1	966.7	965.3	963.9	965.3
175°	969.2	970.3	971.4	972.5	973.0	972.2	970.7	969.1	967.6	966.0	967.6
177.5°	969.9	971.0	972.1	973.2	973.7	973.0	971.6	970.2	968.8	967.4	968.8
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2127.3	2116.5	2107.2	2108.8	2116.5	2110.3	2094.9	2074.9	2067.1	2057.9	2067.1
5°	2255.3	2246.1	2227.6	2229.1	2224.5	2218.3	2193.6	2162.8	2162.8	2138.1	2135.0
7.5°	2381.8	2368.0	2355.6	2352.5	2335.6	2323.2	2301.6	2258.4	2241.5	2212.1	2195.2
10°	2523.8	2513.0	2499.1	2482.1	2472.9	2451.3	2415.8	2352.5	2321.7	2281.6	2252.3
12.5°	2667.2	2665.7	2634.8	2600.9	2599.3	2565.4	2540.7	2455.9	2414.2	2360.2	2290.8
15°	2758.2	2750.5	2733.6	2716.6	2721.2	2684.2	2628.7	2528.4	2500.6	2435.8	2361.8
17.5°	2756.7	2756.7	2752.1	2749.0	2744.4	2733.6	2702.7	2636.4	2591.6	2509.9	2440.5
20°	2668.8	2688.8	2693.5	2691.9	2707.3	2715.0	2713.5	2671.9	2636.4	2563.9	2492.9
22.5°	2492.9	2539.2	2559.2	2571.6	2604.0	2620.9	2661.1	2645.6	2636.4	2582.4	2522.2
25°	2329.4	2344.8	2405.0	2408.1	2452.8	2494.5	2534.6	2560.8	2594.7	2574.7	2523.8
27.5°	2118.0	2153.5	2196.7	2229.1	2238.4	2323.2	2389.6	2438.9	2516.0	2522.2	2505.2
30°	1878.9	1895.9	1966.9	2010.1	2059.4	2121.1	2216.8	2301.6	2371.0	2434.3	2455.9
32.5°	1587.4	1656.8	1698.4	1750.9	1794.1	1903.6	2020.9	2130.4	2210.6	2317.0	2363.3
35°	1320.5	1374.5	1445.5	1467.1	1545.7	1638.3	1791.0	1931.4	2053.3	2161.2	2255.3
37.5°	1099.9	1143.1	1218.7	1252.6	1298.9	1417.7	1545.7	1720.0	1866.6	1999.3	2116.5
40°	948.7	981.1	1038.2	1049.0	1087.6	1195.5	1298.9	1462.4	1656.8	1835.7	1963.8
42.5°	845.4	860.8	899.4	913.2	937.9	1010.4	1103.0	1257.3	1437.7	1622.9	1803.3
45°	771.3	782.1	805.3	817.6	848.5	880.8	956.4	1079.8	1221.8	1408.4	1602.8
47.5°	705.0	718.9	728.1	735.8	752.8	788.3	837.7	928.7	1064.4	1235.7	1423.9
50°	649.5	654.1	671.0	672.6	683.4	706.5	752.8	808.3	916.3	1055.2	1237.2
52.5°	593.9	598.5	609.3	620.1	624.8	643.3	674.1	720.4	800.6	910.2	1072.1
55°	538.4	544.6	555.4	563.1	567.7	583.1	601.6	646.4	709.6	786.7	919.4
57.5°	482.8	496.7	499.8	504.4	512.2	529.1	546.1	572.3	621.7	692.6	789.8
60°	430.4	435.0	445.8	450.5	458.2	467.4	489.0	509.1	544.6	600.1	688.0
62.5°	376.4	387.2	391.8	396.5	402.6	413.4	427.3	448.9	479.8	524.5	593.9
65°	330.1	331.7	340.9	347.1	353.3	361.0	374.9	394.9	413.4	455.1	506.0
67.5°	285.4	288.5	291.6	297.7	305.4	313.2	325.5	336.3	359.4	387.2	427.3
70°	242.2	242.2	249.9	254.5	253.0	262.2	271.5	283.8	300.8	327.0	359.4
72.5°	203.6	202.1	208.3	209.8	212.9	219.1	225.2	237.6	246.8	266.9	291.6
75°	162.0	165.1	168.1	168.1	172.8	177.4	183.6	189.7	200.5	212.9	231.4
77.5°	128.0	128.0	131.1	132.7	137.3	135.8	141.9	148.1	155.8	166.6	180.5
80°	94.1	97.2	97.2	97.2	98.7	100.3	106.4	111.1	115.7	123.4	129.6
82.5°	66.3	66.3	69.4	69.4	69.4	72.5	72.5	74.0	77.1	81.8	86.4
85°	41.7	41.7	41.7	43.2	41.7	43.2	46.3	44.7	46.3	49.4	49.4
87.5°	20.1	20.1	20.1	20.1	20.1	21.6	20.1	21.6	23.1	23.1	23.1
90°	18.3	18.0	17.7	17.5	17.1	16.3	15.6	14.8	14.0	12.8	11.5
92.5°	18.6	18.4	18.3	18.2	18.0	17.7	17.4	17.1	16.8	16.3	15.9
95°	30.5	30.7	30.8	30.9	30.5	29.7	29.0	28.2	27.4	26.3	25.2
97.5°	38.3	38.1	38.0	37.9	37.7	37.2	36.7	36.3	35.8	33.3	30.8
100°	46.4	46.1	45.8	45.6	45.0	43.7	42.5	41.2	40.0	37.4	34.7
102.5°	50.3	49.8	49.3	49.1	48.2	46.5	44.8	43.1	41.4	39.8	38.2
105°	52.1	51.4	50.8	50.5	49.6	47.9	46.2	44.5	42.8	41.4	40.0
107.5°	53.5	52.8	52.2	51.9	51.0	49.3	47.6	45.9	44.2	42.8	41.4
110°	54.2	53.5	52.9	52.6	60.4	76.0	91.6	107.2	122.8	167.8	212.9

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CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.2	54.7	54.2	54.0	87.6	154.8	222.0	289.2	356.4	359.0	361.7
115°	79.9	91.2	102.4	108.0	144.1	216.3	288.4	360.6	432.8	428.9	425.0
117.5°	268.3	309.1	350.0	370.4	381.5	403.8	426.1	448.4	470.7	468.1	465.4
120°	470.0	491.0	512.1	522.6	521.7	519.8	517.9	516.1	514.2	511.4	508.6
122.5°	560.2	560.0	559.9	559.8	559.3	558.4	557.5	556.5	555.6	552.5	549.4
125°	598.9	598.4	597.9	597.7	597.2	596.1	595.0	593.9	592.8	589.8	586.9
127.5°	634.6	634.4	634.3	634.2	633.4	631.9	630.3	628.8	627.2	624.8	622.5
130°	667.5	667.7	667.8	667.9	667.0	665.3	663.6	661.8	660.1	658.4	656.7
132.5°	699.0	699.2	699.3	699.4	698.7	697.3	695.9	694.5	693.1	691.4	689.7
135°	729.5	729.8	730.1	730.3	729.5	728.0	726.4	724.9	723.3	721.9	720.5
137.5°	757.9	758.4	758.9	759.1	758.3	756.7	755.2	753.6	752.0	750.4	748.9
140°	784.5	785.2	786.0	786.4	785.7	784.3	782.9	781.5	780.1	778.4	776.7
142.5°	809.8	810.5	811.3	811.7	811.1	809.8	808.6	807.3	806.1	804.1	802.0
145°	832.9	833.6	834.4	834.8	834.3	833.2	832.1	831.0	829.9	827.3	824.6
147.5°	853.6	854.3	854.9	855.2	854.8	854.0	853.3	852.5	851.7	849.0	846.4
150°	872.9	873.6	874.4	874.8	874.3	873.4	872.5	871.5	870.6	868.1	865.6
152.5°	889.6	890.7	891.8	892.4	891.9	891.0	890.0	889.1	888.1	885.8	883.4
155°	904.7	905.9	907.2	907.8	907.3	906.4	905.5	904.5	903.6	901.7	899.9
157.5°	918.7	919.9	921.2	921.8	921.3	920.2	919.1	918.0	916.9	915.5	914.1
160°	930.3	931.4	932.5	933.0	932.5	931.6	930.7	929.7	928.8	927.9	926.9
162.5°	940.8	942.2	943.6	944.3	943.8	942.7	941.6	940.5	939.4	938.6	937.8
165°	950.0	951.1	952.2	952.7	952.2	951.1	950.0	948.9	947.8	947.3	946.9
167.5°	956.9	958.3	959.7	960.4	959.9	958.8	957.7	956.6	955.5	955.0	954.6
170°	962.5	963.9	965.3	966.0	965.5	964.4	963.3	962.2	961.1	960.8	960.5
172.5°	966.7	968.1	969.5	970.2	969.7	968.6	967.5	966.4	965.3	965.0	964.7
175°	969.1	970.7	972.2	973.0	972.5	971.4	970.3	969.2	968.1	967.8	967.5
177.5°	970.2	971.6	973.0	973.7	973.2	972.1	971.0	969.9	968.8	968.6	968.5
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2059.4	2051.7	2047.1	2050.2	2040.9	2017.8	2017.8	2025.5	2016.2	2007.0	1993.1
5°	2116.5	2101.1	2091.8	2090.3	2068.7	2031.7	2023.9	2016.2	1996.2	1974.6	1951.4
7.5°	2172.0	2144.3	2128.8	2118.0	2087.2	2039.4	2019.3	2002.3	1970.0	1937.6	1908.2
10°	2218.3	2178.2	2159.7	2142.7	2102.6	2042.5	2010.1	1979.2	1937.6	1895.9	1858.9
12.5°	2255.3	2209.1	2185.9	2161.2	2111.9	2033.2	1993.1	1943.7	1902.1	1846.5	1809.5
15°	2317.0	2221.4	2199.8	2176.7	2125.8	2017.8	1968.4	1912.9	1855.8	1781.8	1741.6
17.5°	2366.4	2238.4	2236.8	2187.5	2121.1	2011.6	1936.0	1863.5	1801.8	1727.8	1664.5
20°	2395.7	2264.6	2239.9	2189.0	2105.7	1970.0	1891.3	1811.1	1744.7	1655.3	1592.0
22.5°	2420.4	2301.6	2236.8	2175.1	2073.3	1956.1	1840.4	1764.8	1673.8	1576.6	1516.4
25°	2429.7	2309.3	2241.5	2170.5	2050.2	1916.0	1784.8	1703.1	1601.3	1513.3	1431.6
27.5°	2431.2	2307.8	2224.5	2150.4	2017.8	1863.5	1729.3	1642.9	1530.3	1428.5	1346.7
30°	2415.8	2290.8	2215.2	2135.0	1986.9	1815.7	1661.4	1565.8	1445.5	1343.6	1258.8
32.5°	2369.5	2256.9	2195.2	2107.2	1946.8	1749.4	1596.6	1490.2	1363.7	1263.4	1181.7
35°	2292.4	2215.2	2147.4	2065.6	1894.4	1687.6	1531.8	1406.9	1278.8	1183.2	1106.1
37.5°	2196.7	2155.1	2091.8	2011.6	1834.2	1632.1	1459.3	1320.5	1192.5	1099.9	1024.3
40°	2067.1	2077.9	2016.2	1943.7	1763.2	1556.5	1365.2	1232.6	1112.2	1025.9	951.8
42.5°	1926.8	1971.5	1936.0	1866.6	1684.6	1473.2	1295.8	1149.3	1032.0	942.6	880.8
45°	1775.6	1852.7	1831.1	1780.2	1602.8	1385.3	1197.1	1055.2	951.8	865.4	811.4
47.5°	1610.5	1720.0	1720.0	1683.0	1511.8	1297.4	1112.2	967.2	865.4	803.7	751.3
50°	1442.4	1565.8	1585.8	1561.2	1410.0	1197.1	1008.9	877.8	789.8	729.7	691.1
52.5°	1266.5	1410.0	1447.0	1434.7	1302.0	1101.4	924.0	796.0	715.8	663.3	629.4
55°	1098.4	1265.0	1305.1	1309.7	1186.3	996.5	829.9	717.3	640.2	604.7	575.4
57.5°	939.5	1099.9	1144.6	1152.4	1069.1	900.9	742.0	643.3	573.9	544.6	521.4
60°	803.7	937.9	996.5	1013.5	941.0	789.8	660.3	564.6	512.2	484.4	462.8
62.5°	692.6	800.6	862.3	867.0	834.6	692.6	575.4	495.2	450.5	425.8	415.0
65°	584.7	681.8	718.9	737.4	711.2	600.1	496.7	430.4	394.9	373.3	362.5
67.5°	498.3	560.0	590.8	615.5	589.3	506.0	422.7	368.7	342.5	320.9	314.7
70°	408.8	459.7	482.8	507.5	484.4	421.1	361.0	311.6	288.5	271.5	263.8
72.5°	327.0	367.1	388.7	404.2	390.3	337.8	288.5	254.5	237.6	225.2	220.6
75°	259.2	286.9	299.3	310.1	303.9	263.8	232.9	205.2	189.7	178.9	175.9
77.5°	197.5	217.5	231.4	234.5	226.8	200.5	174.3	157.3	145.0	138.8	135.8
80°	140.4	152.7	160.4	165.1	157.3	146.6	128.0	115.7	104.9	97.2	95.6
82.5°	94.1	100.3	106.4	104.9	101.8	92.6	81.8	75.6	71.0	64.8	64.8
85°	54.0	55.5	58.6	60.2	58.6	52.4	46.3	43.2	40.1	35.5	35.5
87.5°	23.1	24.7	24.7	26.2	23.1	23.1	20.1	17.0	17.0	15.4	13.9
90°	10.3	9.0	8.4	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.4	14.9	14.7	15.0	15.6	16.3	16.9	17.5	16.9	16.3	15.6
95°	24.1	23.0	22.4	25.0	30.1	35.3	40.4	45.6	40.4	35.3	30.1
97.5°	28.3	25.8	24.6	31.0	43.8	56.5	69.3	82.1	69.3	56.5	43.8
100°	32.1	29.4	28.1	38.8	60.1	81.5	102.8	124.2	102.8	81.5	60.1
102.5°	126.5	154.9	169.1	169.3	169.6	169.9	170.2	170.5	170.2	169.9	169.6
105°	170.5	213.0	234.3	232.0	227.3	222.6	218.0	213.3	218.0	222.6	227.3
107.5°	201.8	254.3	280.6	278.7	274.8	270.9	267.0	263.1	267.0	270.9	274.8
110°	257.9	303.0	325.5	323.9	320.6	317.3	314.1	310.8	314.1	317.3	320.6

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	364.3	367.0	368.3	366.9	364.1	361.3	358.5	355.7	358.5	361.3	364.1
115°	421.1	417.2	415.3	414.0	411.3	408.7	406.0	403.4	406.0	408.7	411.3
117.5°	462.8	460.1	458.8	457.2	454.1	451.0	447.9	444.8	447.9	451.0	454.1
120°	505.8	503.0	501.6	500.4	498.1	495.8	493.4	491.1	493.4	495.8	498.1
122.5°	546.3	543.2	541.6	540.4	537.9	535.4	532.9	530.4	532.9	535.4	537.9
125°	583.9	581.0	579.5	578.5	576.4	574.4	572.3	570.3	572.3	574.4	576.4
127.5°	620.1	617.8	616.6	615.5	613.3	611.2	609.0	606.8	609.0	611.2	613.3
130°	655.0	653.3	652.4	651.2	648.7	646.2	643.7	641.2	643.7	646.2	648.7
132.5°	688.0	686.3	685.4	684.4	682.4	680.3	678.3	676.3	678.3	680.3	682.4
135°	719.1	717.7	717.0	715.7	713.2	710.7	708.2	705.7	708.2	710.7	713.2
137.5°	747.3	745.8	745.0	744.1	742.2	740.3	738.5	736.6	738.5	740.3	742.2
140°	775.0	773.3	772.4	771.8	770.5	769.3	768.0	766.8	768.0	769.3	770.5
142.5°	800.0	797.9	796.9	796.4	795.3	794.2	793.1	792.0	793.1	794.2	795.3
145°	822.0	819.3	818.0	818.1	818.2	818.4	818.5	818.7	818.5	818.4	818.2
147.5°	843.7	841.0	839.7	839.9	840.4	840.9	841.3	841.8	841.3	840.9	840.4
150°	863.1	860.6	859.4	859.9	861.0	862.1	863.2	864.3	863.2	862.1	861.0
152.5°	881.1	878.8	877.6	878.2	879.5	880.7	882.0	883.2	882.0	880.7	879.5
155°	898.0	896.1	895.2	895.9	897.3	898.7	900.1	901.5	900.1	898.7	897.3
157.5°	912.7	911.3	910.6	911.2	912.5	913.7	915.0	916.2	915.0	913.7	912.5
160°	926.0	925.1	924.6	925.1	926.0	926.9	927.9	928.8	927.9	926.9	926.0
162.5°	937.0	936.2	935.8	936.3	937.2	938.2	939.1	940.1	939.1	938.2	937.2
165°	946.4	945.9	945.7	946.2	947.1	948.0	949.0	949.9	949.0	948.0	947.1
167.5°	954.1	953.6	953.4	953.9	954.8	955.7	956.7	957.6	956.7	955.7	954.8
170°	960.2	959.9	959.7	960.2	961.1	962.0	963.0	963.9	963.0	962.0	961.1
172.5°	964.4	964.1	963.9	964.4	965.3	966.2	967.2	968.1	967.2	966.2	965.3
175°	967.2	966.9	966.7	967.2	968.3	969.4	970.5	971.6	970.5	969.4	968.3
177.5°	968.3	968.2	968.1	968.6	969.7	970.8	971.9	973.0	971.9	970.8	969.7
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1985.4	1993.1	1991.5	1976.1	1959.2	1945.3	1919.0	1922.1	1912.9	1914.4	1923.7
5°	1936.0	1936.0	1929.8	1908.2	1880.5	1865.1	1835.7	1828.0	1809.5	1808.0	1806.4
7.5°	1883.6	1875.9	1868.1	1837.3	1803.3	1778.7	1738.6	1729.3	1710.8	1698.4	1692.3
10°	1821.9	1811.1	1795.6	1760.2	1718.5	1687.6	1646.0	1633.7	1598.2	1582.7	1573.5
12.5°	1754.0	1747.8	1723.1	1693.8	1625.9	1592.0	1531.8	1544.2	1508.7	1477.9	1473.2
15°	1686.1	1663.0	1649.1	1601.3	1519.5	1504.1	1456.3	1431.6	1399.2	1374.5	1374.5
17.5°	1619.8	1584.3	1553.4	1502.5	1442.4	1399.2	1363.7	1351.4	1311.2	1286.6	1281.9
20°	1531.8	1491.7	1484.0	1411.5	1369.9	1322.0	1288.1	1257.3	1227.9	1217.1	1209.4
22.5°	1448.5	1402.3	1389.9	1328.2	1286.6	1238.7	1204.8	1183.2	1161.6	1153.9	1140.0
25°	1359.1	1331.3	1312.8	1246.5	1200.2	1155.4	1132.3	1116.9	1096.8	1095.3	1086.0
27.5°	1272.7	1246.5	1227.9	1164.7	1130.8	1089.1	1070.6	1053.6	1042.8	1038.2	1033.6
30°	1198.6	1169.3	1147.7	1101.4	1059.8	1025.9	1010.4	999.6	993.5	985.7	984.2
32.5°	1116.9	1099.9	1070.6	1035.1	1002.7	970.3	961.1	953.4	944.1	941.0	939.5
35°	1047.5	1024.3	1005.8	965.7	951.8	924.0	913.2	907.1	894.7	891.6	888.6
37.5°	979.6	958.0	937.9	913.2	887.0	871.6	865.4	856.2	850.0	851.5	848.5
40°	911.7	894.7	879.3	853.1	837.7	829.9	817.6	808.3	805.3	806.8	805.3
42.5°	845.4	829.9	820.7	800.6	785.2	777.5	769.8	760.5	765.1	765.1	769.8
45°	785.2	771.3	765.1	749.7	740.5	728.1	720.4	718.9	725.0	723.5	723.5
47.5°	723.5	718.9	711.2	697.3	684.9	677.2	675.7	675.7	681.8	684.9	683.4
50°	675.7	666.4	657.2	646.4	637.1	634.0	629.4	632.5	638.7	638.7	641.7
52.5°	615.5	609.3	606.3	597.0	590.8	590.8	590.8	592.4	597.0	601.6	600.1
55°	563.1	558.4	555.4	550.7	543.0	544.6	543.0	546.1	550.7	555.4	558.4
57.5°	507.5	506.0	502.9	495.2	495.2	493.6	498.3	499.8	507.5	510.6	515.2
60°	458.2	453.5	453.5	447.4	447.4	447.4	452.0	456.6	462.8	464.3	467.4
62.5°	405.7	405.7	404.2	399.5	399.5	404.2	405.7	411.9	415.0	415.0	419.6
65°	356.4	354.8	353.3	354.8	356.4	356.4	361.0	364.1	367.1	368.7	370.2
67.5°	307.0	305.4	308.5	307.0	310.1	316.2	314.7	319.3	324.0	324.0	325.5
70°	260.7	263.8	262.2	265.3	263.8	266.9	271.5	273.0	273.0	274.6	279.2
72.5°	217.5	217.5	217.5	216.0	217.5	220.6	223.7	225.2	228.3	229.9	234.5
75°	175.9	175.9	172.8	175.9	175.9	178.9	182.0	182.0	182.0	185.1	189.7
77.5°	132.7	134.2	132.7	135.8	135.8	137.3	140.4	138.8	141.9	143.5	145.0
80°	97.2	95.6	95.6	95.6	97.2	97.2	100.3	101.8	101.8	106.4	103.4
82.5°	61.7	63.2	61.7	63.2	63.2	64.8	63.2	64.8	66.3	69.4	67.9
85°	35.5	33.9	33.9	35.5	33.9	33.9	35.5	33.9	35.5	33.9	35.5
87.5°	13.9	12.3	12.3	12.3	12.3	10.8	10.8	9.3	9.3	9.3	7.7
90°	7.5	8.4	9.0	10.3	11.5	12.8	14.0	14.8	15.6	16.3	17.1
92.5°	15.0	14.7	14.9	15.4	15.9	16.3	16.8	17.1	17.4	17.7	18.0
95°	25.0	22.4	23.0	24.1	25.2	26.3	27.4	28.2	29.0	29.7	30.5
97.5°	31.0	24.6	25.8	28.3	30.8	33.3	35.8	36.3	36.7	37.2	37.7
100°	38.8	28.1	29.4	32.1	34.7	37.4	40.0	41.2	42.5	43.7	45.0
102.5°	169.3	169.1	154.9	126.5	98.2	69.8	41.4	43.1	44.8	46.5	48.2
105°	232.0	234.3	213.0	170.5	127.9	85.4	42.8	44.5	46.2	47.9	49.6
107.5°	278.7	280.6	254.3	201.8	149.3	96.7	44.2	45.9	47.6	49.3	51.0
110°	323.9	325.5	303.0	257.9	212.9	167.8	122.8	107.2	91.6	76.0	60.4

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	366.9	368.3	367.0	364.3	361.7	359.0	356.4	289.2	222.0	154.8	87.6
115°	414.0	415.3	417.2	421.1	425.0	428.9	432.8	360.6	288.4	216.3	144.1
117.5°	457.2	458.8	460.1	462.8	465.4	468.1	470.7	448.4	426.1	403.8	381.5
120°	500.4	501.6	503.0	505.8	508.6	511.4	514.2	516.1	517.9	519.8	521.7
122.5°	540.4	541.6	543.2	546.3	549.4	552.5	555.6	556.5	557.5	558.4	559.3
125°	578.5	579.5	581.0	583.9	586.9	589.8	592.8	593.9	595.0	596.1	597.2
127.5°	615.5	616.6	617.8	620.1	622.5	624.8	627.2	628.8	630.3	631.9	633.4
130°	651.2	652.4	653.3	655.0	656.7	658.4	660.1	661.8	663.6	665.3	667.0
132.5°	684.4	685.4	686.3	688.0	689.7	691.4	693.1	694.5	695.9	697.3	698.7
135°	715.7	717.0	717.7	719.1	720.5	721.9	723.3	724.9	726.4	728.0	729.5
137.5°	744.1	745.0	745.8	747.3	748.9	750.4	752.0	753.6	755.2	756.7	758.3
140°	771.8	772.4	773.3	775.0	776.7	778.4	780.1	781.5	782.9	784.3	785.7
142.5°	796.4	796.9	797.9	800.0	802.0	804.1	806.1	807.3	808.6	809.8	811.1
145°	818.1	818.0	819.3	822.0	824.6	827.3	829.9	831.0	832.1	833.2	834.3
147.5°	839.9	839.7	841.0	843.7	846.4	849.0	851.7	852.5	853.3	854.0	854.8
150°	859.9	859.4	860.6	863.1	865.6	868.1	870.6	871.5	872.5	873.4	874.3
152.5°	878.2	877.6	878.8	881.1	883.4	885.8	888.1	889.1	890.0	891.0	891.9
155°	895.9	895.2	896.1	898.0	899.9	901.7	903.6	904.5	905.5	906.4	907.3
157.5°	911.2	910.6	911.3	912.7	914.1	915.5	916.9	918.0	919.1	920.2	921.3
160°	925.1	924.6	925.1	926.0	926.9	927.9	928.8	929.7	930.7	931.6	932.5
162.5°	936.3	935.8	936.2	937.0	937.8	938.6	939.4	940.5	941.6	942.7	943.8
165°	946.2	945.7	945.9	946.4	946.9	947.3	947.8	948.9	950.0	951.1	952.2
167.5°	953.9	953.4	953.6	954.1	954.6	955.0	955.5	956.6	957.7	958.8	959.9
170°	960.2	959.7	959.9	960.2	960.5	960.8	961.1	962.2	963.3	964.4	965.5
172.5°	964.4	963.9	964.1	964.4	964.7	965.0	965.3	966.4	967.5	968.6	969.7
175°	967.2	966.7	966.9	967.2	967.5	967.8	968.1	969.2	970.3	971.4	972.5
177.5°	968.6	968.1	968.2	968.3	968.5	968.6	968.8	969.9	971.0	972.1	973.2
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1912.9	1917.5	1906.7	1903.6	1906.7	1895.9	1899.0	1902.1	1902.1	1906.7	1909.8
5°	1801.8	1795.6	1784.8	1781.8	1778.7	1783.3	1780.2	1784.8	1786.4	1797.2	1798.7
7.5°	1692.3	1683.0	1673.8	1664.5	1661.4	1653.7	1661.4	1661.4	1672.2	1669.1	1676.9
10°	1562.7	1561.2	1548.8	1544.2	1538.0	1525.7	1542.6	1538.0	1545.7	1559.6	1562.7
12.5°	1467.1	1450.1	1457.8	1436.2	1443.9	1431.6	1433.1	1433.1	1445.5	1447.0	1443.9
15°	1376.0	1362.2	1342.1	1332.8	1328.2	1322.0	1342.1	1343.6	1334.4	1356.0	1348.3
17.5°	1283.5	1283.5	1265.0	1260.3	1248.0	1254.2	1251.1	1252.6	1249.5	1265.0	1272.7
20°	1203.3	1195.5	1189.4	1190.9	1175.5	1172.4	1169.3	1172.4	1183.2	1194.0	1197.1
22.5°	1138.5	1133.8	1118.4	1121.5	1109.2	1113.8	1110.7	1118.4	1120.0	1120.0	1130.8
25°	1076.8	1070.6	1072.1	1066.0	1061.3	1061.3	1056.7	1061.3	1067.5	1070.6	1072.1
27.5°	1030.5	1025.9	1018.1	1013.5	1016.6	1008.9	1015.1	1019.7	1019.7	1016.6	1019.7
30°	974.9	978.0	978.0	962.6	968.8	965.7	970.3	973.4	973.4	974.9	971.9
32.5°	937.9	928.7	927.1	925.6	925.6	919.4	919.4	924.0	925.6	927.1	931.8
35°	888.6	888.6	880.8	885.5	879.3	880.8	879.3	880.8	883.9	879.3	883.9
37.5°	843.8	845.4	842.3	845.4	846.9	843.8	840.7	846.9	843.8	843.8	840.7
40°	805.3	803.7	805.3	805.3	805.3	806.8	803.7	803.7	803.7	800.6	797.5
42.5°	772.9	763.6	766.7	768.2	763.6	763.6	765.1	763.6	768.2	759.0	759.0
45°	726.6	723.5	725.0	725.0	728.1	723.5	726.6	728.1	723.5	722.0	718.9
47.5°	684.9	688.0	684.9	688.0	688.0	691.1	684.9	686.5	688.0	681.8	677.2
50°	643.3	643.3	647.9	646.4	647.9	644.8	644.8	643.3	644.8	641.7	637.1
52.5°	604.7	600.1	607.8	606.3	604.7	603.2	601.6	603.2	600.1	597.0	597.0
55°	556.9	556.9	561.5	563.1	563.1	560.0	556.9	558.4	556.9	555.4	553.8
57.5°	518.3	512.2	515.2	516.8	516.8	512.2	515.2	512.2	512.2	513.7	509.1
60°	469.0	469.0	465.9	470.5	470.5	467.4	467.4	469.0	465.9	464.3	462.8
62.5°	416.5	418.1	422.7	424.2	425.8	422.7	419.6	421.1	421.1	416.5	418.1
65°	371.8	374.9	381.0	379.5	376.4	377.9	374.9	376.4	371.8	373.3	368.7
67.5°	328.6	327.0	328.6	328.6	331.7	330.1	327.0	327.0	325.5	330.1	325.5
70°	282.3	282.3	282.3	282.3	283.8	285.4	282.3	279.2	280.8	277.7	276.1
72.5°	234.5	236.0	234.5	237.6	232.9	236.0	236.0	234.5	232.9	232.9	232.9
75°	189.7	192.8	188.2	189.7	188.2	191.3	189.7	189.7	186.7	185.1	186.7
77.5°	145.0	146.6	143.5	145.0	143.5	145.0	145.0	143.5	143.5	143.5	143.5
80°	103.4	104.9	103.4	101.8	100.3	103.4	100.3	101.8	103.4	101.8	104.9
82.5°	66.3	66.3	64.8	66.3	63.2	63.2	64.8	64.8	63.2	66.3	63.2
85°	32.4	32.4	35.5	32.4	30.9	30.9	30.9	32.4	30.9	33.9	32.4
87.5°	7.7	6.2	7.7	7.7	6.2	6.2	7.7	6.2	7.7	9.3	6.2
90°	17.5	17.7	18.0	18.3	18.6	18.9	18.6	18.3	18.0	17.7	17.5
92.5°	18.2	18.3	18.4	18.6	18.7	18.9	18.7	18.6	18.4	18.3	18.2
95°	30.9	30.8	30.7	30.5	30.4	30.2	30.4	30.5	30.7	30.8	30.9
97.5°	37.9	38.0	38.1	38.3	38.4	38.6	38.4	38.3	38.1	38.0	37.9
100°	45.6	45.8	46.1	46.4	46.7	47.0	46.7	46.4	46.1	45.8	45.6
102.5°	49.1	49.3	49.8	50.3	50.7	51.2	50.7	50.3	49.8	49.3	49.1
105°	50.5	50.8	51.4	52.1	52.7	53.3	52.7	52.1	51.4	50.8	50.5
107.5°	51.9	52.2	52.8	53.5	54.1	54.7	54.1	53.5	52.8	52.2	51.9
110°	52.6	52.9	53.5	54.2	54.8	55.4	54.8	54.2	53.5	52.9	52.6



TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.0	54.2	54.7	55.2	55.6	56.1	55.6	55.2	54.7	54.2	54.0
115°	108.0	102.4	91.2	79.9	68.7	57.5	68.7	79.9	91.2	102.4	108.0
117.5°	370.4	350.0	309.1	268.3	227.4	186.6	227.4	268.3	309.1	350.0	370.4
120°	522.6	512.1	491.0	470.0	448.9	427.9	448.9	470.0	491.0	512.1	522.6
122.5°	559.8	559.9	560.0	560.2	560.3	560.5	560.3	560.2	560.0	559.9	559.8
125°	597.7	597.9	598.4	598.9	599.3	599.8	599.3	598.9	598.4	597.9	597.7
127.5°	634.2	634.3	634.4	634.6	634.7	634.9	634.7	634.6	634.4	634.3	634.2
130°	667.9	667.8	667.7	667.5	667.4	667.2	667.4	667.5	667.7	667.8	667.9
132.5°	699.4	699.3	699.2	699.0	698.9	698.7	698.9	699.0	699.2	699.3	699.4
135°	730.3	730.1	729.8	729.5	729.2	728.9	729.2	729.5	729.8	730.1	730.3
137.5°	759.1	758.9	758.4	757.9	757.5	757.0	757.5	757.9	758.4	758.9	759.1
140°	786.4	786.0	785.2	784.5	783.7	782.9	783.7	784.5	785.2	786.0	786.4
142.5°	811.7	811.3	810.5	809.8	809.0	808.2	809.0	809.8	810.5	811.3	811.7
145°	834.8	834.4	833.6	832.9	832.1	831.3	832.1	832.9	833.6	834.4	834.8
147.5°	855.2	854.9	854.3	853.6	853.0	852.4	853.0	853.6	854.3	854.9	855.2
150°	874.8	874.4	873.6	872.9	872.1	871.3	872.1	872.9	873.6	874.4	874.8
152.5°	892.4	891.8	890.7	889.6	888.5	887.4	888.5	889.6	890.7	891.8	892.4
155°	907.8	907.2	905.9	904.7	903.4	902.2	903.4	904.7	905.9	907.2	907.8
157.5°	921.8	921.2	919.9	918.7	917.4	916.2	917.4	918.7	919.9	921.2	921.8
160°	933.0	932.5	931.4	930.3	929.2	928.1	929.2	930.3	931.4	932.5	933.0
162.5°	944.3	943.6	942.2	940.8	939.4	938.0	939.4	940.8	942.2	943.6	944.3
165°	952.7	952.2	951.1	950.0	948.9	947.8	948.9	950.0	951.1	952.2	952.7
167.5°	960.4	959.7	958.3	956.9	955.5	954.1	955.5	956.9	958.3	959.7	960.4
170°	966.0	965.3	963.9	962.5	961.1	959.7	961.1	962.5	963.9	965.3	966.0
172.5°	970.2	969.5	968.1	966.7	965.3	963.9	965.3	966.7	968.1	969.5	970.2
175°	973.0	972.2	970.7	969.1	967.6	966.0	967.6	969.1	970.7	972.2	973.0
177.5°	973.7	973.0	971.6	970.2	968.8	967.4	968.8	970.2	971.6	973.0	973.7
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1905.2	1917.5	1912.9	1895.9	1916.0	1916.0	1929.8	1929.8	1946.8	1953.0	1962.2
5°	1797.2	1806.4	1814.1	1806.4	1820.3	1841.9	1854.3	1865.1	1888.2	1897.4	1911.3
7.5°	1681.5	1698.4	1706.2	1706.2	1729.3	1754.0	1778.7	1794.1	1826.5	1838.8	1852.7
10°	1568.9	1588.9	1604.3	1602.8	1641.4	1656.8	1687.6	1723.1	1755.5	1774.0	1794.1
12.5°	1450.1	1460.9	1482.5	1513.3	1522.6	1550.4	1585.8	1630.6	1689.2	1706.2	1735.5
15°	1351.4	1380.7	1397.6	1411.5	1433.1	1459.3	1497.9	1541.1	1599.7	1636.7	1667.6
17.5°	1268.1	1306.6	1317.4	1314.3	1342.1	1382.2	1426.9	1459.3	1511.8	1556.5	1585.8
20°	1200.2	1215.6	1234.1	1241.8	1263.4	1306.6	1349.8	1386.8	1430.0	1465.5	1499.4
22.5°	1132.3	1144.6	1160.1	1173.9	1190.9	1215.6	1257.3	1303.5	1345.2	1379.1	1417.7
25°	1076.8	1084.5	1098.4	1109.2	1127.7	1144.6	1173.9	1224.9	1274.2	1294.3	1328.2
27.5°	1022.8	1028.9	1038.2	1050.5	1059.8	1076.8	1103.0	1144.6	1195.5	1215.6	1261.9
30°	974.9	979.6	988.8	995.0	999.6	1019.7	1039.7	1072.1	1110.7	1138.5	1172.4
32.5°	930.2	934.8	944.1	945.6	951.8	962.6	981.1	1010.4	1044.4	1067.5	1096.8
35°	880.8	883.9	893.2	896.3	900.9	910.2	924.0	945.6	976.5	993.5	1019.7
37.5°	842.3	840.7	846.9	851.5	857.7	862.3	867.0	888.6	911.7	927.1	947.2
40°	800.6	797.5	799.1	805.3	808.3	814.5	814.5	836.1	851.5	863.9	879.3
42.5°	759.0	757.4	754.4	757.4	760.5	762.1	763.6	779.0	794.5	805.3	822.2
45°	717.3	715.8	712.7	714.2	714.2	717.3	722.0	728.1	738.9	748.2	757.4
47.5°	678.8	675.7	671.0	669.5	672.6	672.6	672.6	678.8	689.6	692.6	701.9
50°	638.7	634.0	627.9	624.8	624.8	623.2	626.3	627.9	637.1	640.2	647.9
52.5°	595.5	592.4	586.2	580.0	581.6	578.5	580.0	581.6	584.7	589.3	593.9
55°	552.3	546.1	541.5	539.9	535.3	535.3	530.7	536.8	535.3	536.8	543.0
57.5°	510.6	504.4	496.7	493.6	489.0	487.5	484.4	482.8	484.4	489.0	493.6
60°	461.2	458.2	453.5	448.9	445.8	441.2	438.1	438.1	436.6	436.6	438.1
62.5°	413.4	411.9	405.7	404.2	401.1	398.0	393.4	390.3	390.3	393.4	394.9
65°	367.1	365.6	361.0	359.4	351.7	348.6	347.1	345.6	342.5	342.5	342.5
67.5°	324.0	319.3	319.3	311.6	305.4	302.4	299.3	297.7	297.7	297.7	299.3
70°	276.1	276.1	271.5	266.9	260.7	262.2	257.6	253.0	253.0	249.9	251.5
72.5°	229.9	228.3	223.7	222.1	217.5	212.9	209.8	212.9	208.3	206.7	208.3
75°	185.1	183.6	180.5	177.4	178.9	174.3	169.7	168.1	168.1	165.1	165.1
77.5°	141.9	145.0	138.8	137.3	134.2	131.1	129.6	128.0	128.0	128.0	131.1
80°	98.7	100.3	100.3	97.2	98.7	94.1	94.1	94.1	89.5	91.0	92.6
82.5°	63.2	63.2	61.7	63.2	61.7	61.7	60.2	60.2	58.6	58.6	60.2
85°	35.5	33.9	32.4	35.5	33.9	33.9	32.4	32.4	32.4	32.4	32.4
87.5°	7.7	9.3	9.3	9.3	9.3	10.8	10.8	10.8	12.3	12.3	12.3
90°	17.1	16.3	15.6	14.8	14.0	12.8	11.5	10.3	9.0	8.4	7.5
92.5°	18.0	17.7	17.4	17.1	16.8	16.3	15.9	15.4	14.9	14.7	15.0
95°	30.5	29.7	29.0	28.2	27.4	26.3	25.2	24.1	23.0	22.4	25.0
97.5°	37.7	37.2	36.7	36.3	35.8	33.3	30.8	28.3	25.8	24.6	31.0
100°	45.0	43.7	42.5	41.2	40.0	37.4	34.7	32.1	29.4	28.1	38.8
102.5°	48.2	46.5	44.8	43.1	41.4	69.8	98.2	126.5	154.9	169.1	169.3
105°	49.6	47.9	46.2	44.5	42.8	85.4	127.9	170.5	213.0	234.3	232.0
107.5°	51.0	49.3	47.6	45.9	44.2	96.7	149.3	201.8	254.3	280.6	278.7
110°	60.4	76.0	91.6	107.2	122.8	167.8	212.9	257.9	303.0	325.5	323.9

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	87.6	154.8	222.0	289.2	356.4	359.0	361.7	364.3	367.0	368.3	366.9
115°	144.1	216.3	288.4	360.6	432.8	428.9	425.0	421.1	417.2	415.3	414.0
117.5°	381.5	403.8	426.1	448.4	470.7	468.1	465.4	462.8	460.1	458.8	457.2
120°	521.7	519.8	517.9	516.1	514.2	511.4	508.6	505.8	503.0	501.6	500.4
122.5°	559.3	558.4	557.5	556.5	555.6	552.5	549.4	546.3	543.2	541.6	540.4
125°	597.2	596.1	595.0	593.9	592.8	589.8	586.9	583.9	581.0	579.5	578.5
127.5°	633.4	631.9	630.3	628.8	627.2	624.8	622.5	620.1	617.8	616.6	615.5
130°	667.0	665.3	663.6	661.8	660.1	658.4	656.7	655.0	653.3	652.4	651.2
132.5°	698.7	697.3	695.9	694.5	693.1	691.4	689.7	688.0	686.3	685.4	684.4
135°	729.5	728.0	726.4	724.9	723.3	721.9	720.5	719.1	717.7	717.0	715.7
137.5°	758.3	756.7	755.2	753.6	752.0	750.4	748.9	747.3	745.8	745.0	744.1
140°	785.7	784.3	782.9	781.5	780.1	778.4	776.7	775.0	773.3	772.4	771.8
142.5°	811.1	809.8	808.6	807.3	806.1	804.1	802.0	800.0	797.9	796.9	796.4
145°	834.3	833.2	832.1	831.0	829.9	827.3	824.6	822.0	819.3	818.0	818.1
147.5°	854.8	854.0	853.3	852.5	851.7	849.0	846.4	843.7	841.0	839.7	839.9
150°	874.3	873.4	872.5	871.5	870.6	868.1	865.6	863.1	860.6	859.4	859.9
152.5°	891.9	891.0	890.0	889.1	888.1	885.8	883.4	881.1	878.8	877.6	878.2
155°	907.3	906.4	905.5	904.5	903.6	901.7	899.9	898.0	896.1	895.2	895.9
157.5°	921.3	920.2	919.1	918.0	916.9	915.5	914.1	912.7	911.3	910.6	911.2
160°	932.5	931.6	930.7	929.7	928.8	927.9	926.9	926.0	925.1	924.6	925.1
162.5°	943.8	942.7	941.6	940.5	939.4	938.6	937.8	937.0	936.2	935.8	936.3
165°	952.2	951.1	950.0	948.9	947.8	947.3	946.9	946.4	945.9	945.7	946.2
167.5°	959.9	958.8	957.7	956.6	955.5	955.0	954.6	954.1	953.6	953.4	953.9
170°	965.5	964.4	963.3	962.2	961.1	960.8	960.5	960.2	959.9	959.7	960.2
172.5°	969.7	968.6	967.5	966.4	965.3	965.0	964.7	964.4	964.1	963.9	964.4
175°	972.5	971.4	970.3	969.2	968.1	967.8	967.5	967.2	966.9	966.7	967.2
177.5°	973.2	972.1	971.0	969.9	968.8	968.6	968.5	968.3	968.2	968.1	968.6
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2007.0	2007.0	2007.0	2007.0
2.5°	1970.0	1970.0	1993.1	2017.8
5°	1926.8	1937.6	1974.6	2008.5
7.5°	1885.1	1903.6	1949.9	1993.1
10°	1834.2	1858.9	1916.0	1966.9
12.5°	1784.8	1808.0	1874.3	1931.4
15°	1715.4	1744.7	1815.7	1886.6
17.5°	1646.0	1675.3	1761.7	1845.0
20°	1564.2	1602.8	1700.0	1811.1
22.5°	1488.6	1536.5	1644.5	1733.9
25°	1405.3	1479.4	1579.7	1695.4
27.5°	1331.3	1405.3	1507.2	1624.4
30°	1248.0	1323.6	1428.5	1536.5
32.5°	1167.8	1237.2	1339.0	1471.7
35°	1084.5	1150.8	1249.5	1383.7
37.5°	1008.9	1073.7	1181.7	1305.1
40°	934.8	1002.7	1095.3	1218.7
42.5°	865.4	925.6	1008.9	1132.3
45°	802.2	845.4	922.5	1038.2
47.5°	735.8	774.4	845.4	961.1
50°	674.1	706.5	768.2	876.2
52.5°	614.0	641.7	698.8	785.2
55°	560.0	586.2	627.9	712.7
57.5°	504.4	524.5	564.6	632.5
60°	450.5	469.0	501.4	556.9
62.5°	396.5	411.9	442.7	487.5
65°	348.6	361.0	384.1	422.7
67.5°	302.4	310.1	328.6	359.4
70°	257.6	263.8	279.2	303.9
72.5°	209.8	216.0	232.9	249.9
75°	169.7	171.2	183.6	197.5
77.5°	132.7	131.1	140.4	151.2
80°	91.0	95.6	103.4	108.0
82.5°	61.7	63.2	66.3	69.4
85°	33.9	35.5	35.5	40.1
87.5°	13.9	15.4	15.4	17.0
90°	5.8	4.1	2.4	0.7
92.5°	15.6	16.3	16.9	17.5
95°	30.1	35.3	40.4	45.6
97.5°	43.8	56.5	69.3	82.1
100°	60.1	81.5	102.8	124.2
102.5°	169.6	169.9	170.2	170.5
105°	227.3	222.6	218.0	213.3
107.5°	274.8	270.9	267.0	263.1
110°	320.6	317.3	314.1	310.8

TEST NUMBER: P1007966

CATALOG NUMBER: S122DIP-B1005D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	364.1	361.3	358.5	355.7
115°	411.3	408.7	406.0	403.4
117.5°	454.1	451.0	447.9	444.8
120°	498.1	495.8	493.4	491.1
122.5°	537.9	535.4	532.9	530.4
125°	576.4	574.4	572.3	570.3
127.5°	613.3	611.2	609.0	606.8
130°	648.7	646.2	643.7	641.2
132.5°	682.4	680.3	678.3	676.3
135°	713.2	710.7	708.2	705.7
137.5°	742.2	740.3	738.5	736.6
140°	770.5	769.3	768.0	766.8
142.5°	795.3	794.2	793.1	792.0
145°	818.2	818.4	818.5	818.7
147.5°	840.4	840.9	841.3	841.8
150°	861.0	862.1	863.2	864.3
152.5°	879.5	880.7	882.0	883.2
155°	897.3	898.7	900.1	901.5
157.5°	912.5	913.7	915.0	916.2
160°	926.0	926.9	927.9	928.8
162.5°	937.2	938.2	939.1	940.1
165°	947.1	948.0	949.0	949.9
167.5°	954.8	955.7	956.7	957.6
170°	961.1	962.0	963.0	963.9
172.5°	965.3	966.2	967.2	968.1
175°	968.3	969.4	970.5	971.6
177.5°	969.7	970.8	971.9	973.0
180°	969.5	969.5	969.5	969.5

(END OF REPORT)