

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: P1029247

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029247
REPORT IS A COMBINATION OF REPORTS P985300 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K
Description: Define 2 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

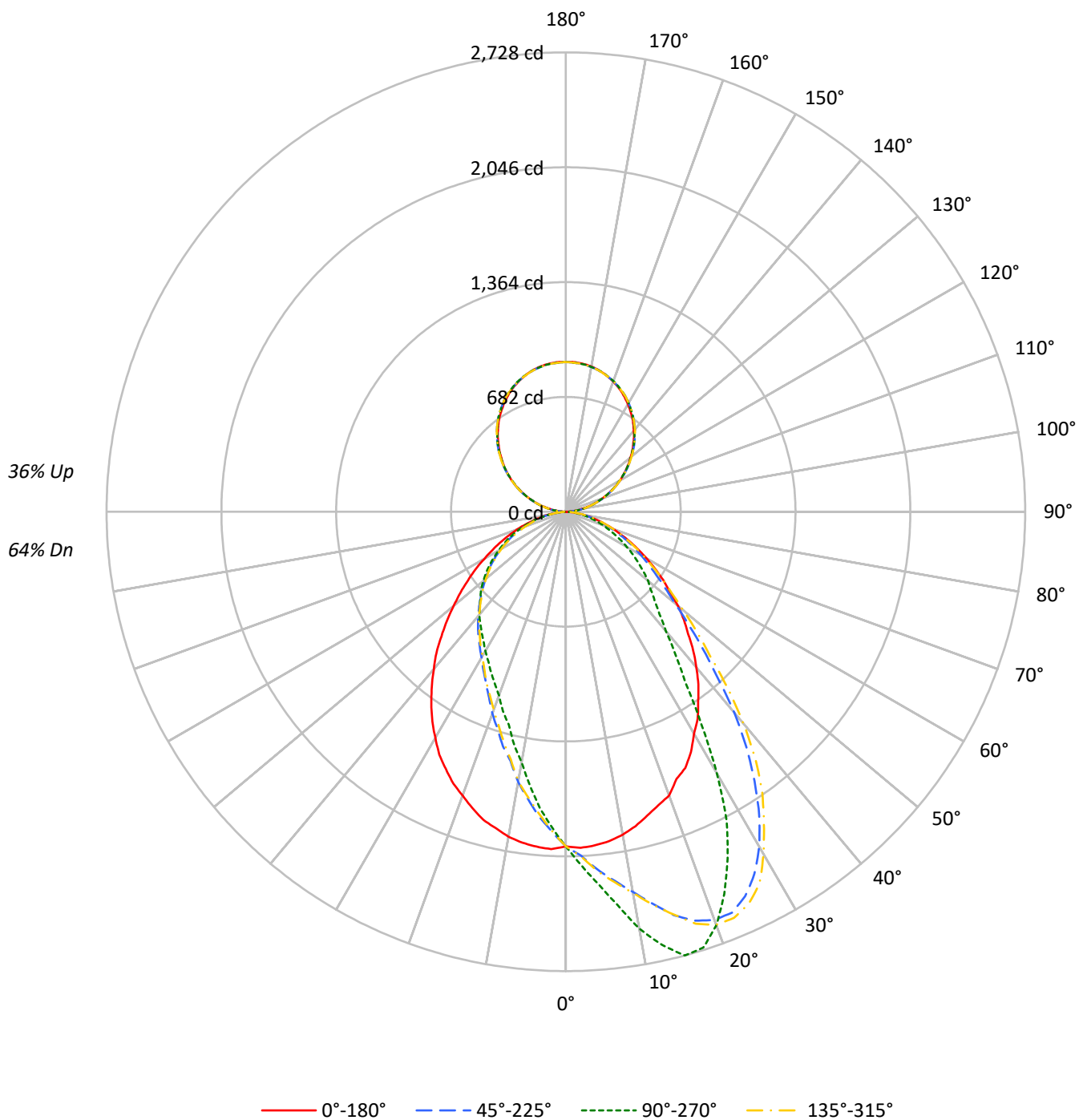
Lumens per Lamp: N/A
Luminaire Lumens: 6873.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84.5
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	104	104	104	104	91	91	91	79	79	79	69	69	69	64	64	64
1	101	97	94	90	95	92	88	85	81	78	76	71	69	67	62	61	59	55	55	55
2	93	86	80	75	87	81	76	71	72	68	64	63	60	57	55	53	51	47	47	47
3	85	76	69	63	80	72	65	60	64	59	55	56	52	49	49	47	44	41	41	41
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	45	41	39	35	35	35
5	72	61	53	47	68	58	50	45	51	46	41	46	41	38	41	37	34	31	31	31
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28	28	28
7	62	50	42	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25	25	25
8	58	45	38	32	54	43	36	31	39	33	29	35	30	27	31	27	25	22	22	22
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20	20	20
10	50	38	31	26	48	37	30	26	33	28	24	30	25	22	27	23	20	19	19	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31453	31453	31453	31453
5°	31529	33537	31650	26682
10°	31163	36611	31358	21997
15°	30407	38616	30830	18529
20°	29933	36257	29933	16106
25°	28978	31149	29111	14402
30°	27409	24486	27932	13045
35°	26018	16932	26453	11936
40°	24420	12783	24698	11051
45°	22449	10505	22816	10096
50°	20745	9220	20781	9242
55°	18802	7857	18924	8315
60°	16732	6563	16963	7257
65°	14877	5338	15148	6198
70°	13031	4187	13360	4999
75°	10936	3039	11361	3625
80°	8535	1926	9141	2151
85°	5608	969	6046	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	2.8
10°-20°	550.9	8.0
20°-30°	799.5	11.6
30°-40°	842.8	12.3
40°-50°	745.8	10.9
50°-60°	595.5	8.7
60°-70°	404.5	5.9
70°-80°	207.0	3.0
80°-90°	51.4	0.7
90°-100°	55.0	0.8
100°-110°	174.9	2.5
110°-120°	299.3	4.4
120°-130°	393.6	5.7
130°-140°	441.8	6.4
140°-150°	433.2	6.3
150°-160°	363.4	5.3
160°-170°	241.0	3.5
170°-180°	84.2	1.2
0°-30°	1539.6	22.4
0°-40°	2382.4	34.7
0°-60°	3723.7	54.2
0°-90°	4386.5	63.8
90°-120°	529.2	7.7
90°-150°	1797.8	26.2
90°-180°	2486.0	36.2
0°-180°	6873.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1987	1987	1987	1987	1987	
5°	1989	2219	1996	1766	1989	189
15°	1868	2728	1894	1309	1868	528
25°	1678	2273	1686	1051	1678	767
35°	1370	1237	1393	872	1370	857
45°	1028	745	1045	716	1028	797
55°	706	524	710	554	706	630
65°	418	322	426	374	418	416
75°	196	159	203	189	196	210
85°	40	41	43	30	40	46
90°	1	26	1	26	1	5
95°	39	46	39	46	39	44
105°	161	167	161	167	161	170
115°	300	300	300	300	300	297
125°	437	438	437	438	437	390
135°	565	572	565	572	565	437
145°	686	694	686	694	686	429
155°	784	790	784	790	784	361
165°	853	854	853	854	853	241
175°	888	885	888	885	888	84
180°	889	889	889	889	889	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1997.7	2002.3	2009.9	2011.5	2026.7	2039.0	2052.7	2052.7	2057.3	2055.8	2043.5
5°	1988.6	2002.3	2022.2	2039.0	2066.5	2078.7	2097.0	2110.7	2123.0	2132.1	2130.6
7.5°	1973.3	1997.7	2026.7	2058.8	2095.5	2116.9	2142.8	2167.3	2184.1	2199.3	2210.0
10°	1947.3	1988.6	2028.3	2071.0	2118.4	2147.4	2177.9	2210.0	2236.0	2265.0	2292.5
12.5°	1912.2	1971.8	2020.6	2077.1	2135.2	2167.3	2216.1	2240.6	2291.0	2364.3	2384.1
15°	1867.9	1948.9	1994.7	2066.5	2142.8	2168.8	2236.0	2275.7	2379.6	2425.4	2480.4
17.5°	1826.7	1916.8	1977.9	2060.3	2135.2	2185.6	2251.3	2332.2	2419.3	2484.9	2546.0
20°	1793.1	1880.1	1953.4	2045.1	2139.8	2203.9	2272.6	2370.4	2465.1	2532.3	2579.6
22.5°	1716.7	1828.2	1913.7	2016.1	2130.6	2219.2	2284.9	2391.8	2494.1	2535.3	2576.6
25°	1678.5	1774.7	1874.0	1990.1	2124.5	2229.9	2286.4	2405.5	2495.6	2510.9	2520.1
27.5°	1608.3	1716.7	1832.8	1965.7	2123.0	2211.5	2283.3	2391.8	2463.6	2452.9	2425.4
30°	1521.2	1654.1	1782.4	1925.9	2101.6	2197.8	2265.0	2364.3	2400.9	2346.0	2297.1
32.5°	1457.1	1582.3	1724.3	1890.8	2077.1	2168.8	2234.5	2312.4	2320.0	2220.7	2138.2
35°	1370.0	1509.0	1669.4	1845.0	2035.9	2118.4	2179.5	2226.8	2190.2	2051.2	1953.4
37.5°	1292.1	1429.6	1600.6	1779.3	1979.4	2060.3	2109.2	2116.9	2026.7	1904.6	1761.0
40°	1206.6	1348.6	1527.3	1715.2	1916.8	1987.0	2017.6	1994.7	1864.8	1722.8	1556.3
42.5°	1121.0	1261.6	1454.0	1646.4	1837.4	1896.9	1909.1	1846.5	1687.7	1521.2	1328.8
45°	1027.9	1174.5	1366.9	1560.9	1745.7	1779.3	1780.8	1690.7	1502.9	1328.8	1150.1
47.5°	951.5	1087.4	1278.4	1472.3	1628.1	1651.0	1641.9	1538.0	1333.3	1137.8	982.1
50°	867.5	997.3	1186.7	1377.6	1510.5	1516.6	1493.7	1345.6	1145.5	966.8	843.1
52.5°	777.4	908.8	1082.9	1266.1	1385.3	1376.1	1331.8	1173.0	985.1	837.0	742.3
55°	705.6	821.7	985.1	1163.8	1247.8	1221.8	1173.0	1011.1	862.9	737.7	655.2
57.5°	626.2	728.5	888.9	1044.7	1093.6	1069.1	1020.2	869.0	731.6	636.9	581.9
60°	551.4	644.5	785.0	914.9	953.0	927.1	870.6	734.6	635.4	555.9	514.7
62.5°	482.6	563.6	681.2	800.3	815.6	789.6	740.7	630.8	545.3	482.6	452.1
65°	418.5	494.8	589.5	679.7	693.4	665.9	615.5	536.1	464.3	424.6	395.6
67.5°	355.9	417.0	501.0	566.6	574.3	548.3	507.1	442.9	398.6	355.9	334.5
70°	300.9	346.7	412.4	465.8	468.9	444.4	423.1	365.0	331.4	300.9	284.1
72.5°	247.4	279.5	329.9	369.6	371.1	355.9	336.0	299.4	270.3	249.0	232.2
75°	195.5	223.0	253.5	288.7	287.1	274.9	259.6	236.7	212.3	198.6	190.9
77.5°	149.7	166.5	190.9	213.8	213.8	207.7	198.6	181.8	166.5	152.7	145.1
80°	106.9	117.6	137.5	145.1	148.1	146.6	139.0	126.8	120.7	110.0	106.9
82.5°	68.7	76.4	85.5	93.2	97.7	94.7	93.2	87.1	77.9	74.8	71.8
85°	39.7	42.8	47.3	51.9	53.5	51.9	55.0	50.4	45.8	45.8	44.3
87.5°	16.8	18.3	21.4	21.4	22.9	22.9	21.4	22.9	22.9	21.4	19.9
90°	0.8	2.8	4.8	6.8	8.8	9.8	11.6	15.3	19.0	22.6	26.3
92.5°	16.5	17.8	19.2	20.5	21.8	22.5	22.6	22.8	22.9	23.1	23.3
95°	39.0	40.7	42.3	44.0	45.7	46.5	46.7	47.0	47.3	47.7	48.0
97.5°	65.3	66.8	68.3	69.8	71.3	72.0	72.3	73.0	73.7	74.4	75.1
100°	95.3	96.6	98.0	99.3	100.6	101.3	101.6	102.1	102.6	103.1	103.6
102.5°	126.8	127.8	128.8	129.8	130.8	131.3	131.6	132.3	133.0	133.6	134.3
105°	161.4	161.9	162.4	162.9	163.4	163.6	163.8	164.1	164.4	164.8	165.1
107.5°	195.9	196.6	197.2	197.9	198.6	198.9	198.9	198.9	198.9	198.9	198.9
110°	228.9	229.9	230.9	231.9	232.9	233.4	233.4	233.4	233.4	233.4	233.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	264.9	265.9	266.9	267.9	268.9	269.4	269.3	269.2	269.0	268.9	268.7
115°	300.2	301.2	302.2	303.2	304.2	304.7	304.5	304.2	303.9	303.5	303.2
117.5°	335.5	336.8	338.2	339.5	340.8	341.5	341.1	340.2	339.4	338.5	337.7
120°	370.8	372.1	373.5	374.8	376.1	376.8	376.1	374.8	373.5	372.1	370.8
122.5°	403.0	404.7	406.3	408.0	409.7	410.5	410.1	409.3	408.4	407.6	406.8
125°	436.8	438.3	439.8	441.3	442.8	443.6	443.3	442.8	442.3	441.8	441.3
127.5°	469.8	471.6	473.5	475.3	477.2	478.1	477.8	477.1	476.4	475.8	475.1
130°	500.6	502.8	504.9	507.1	509.2	510.3	510.1	509.8	509.5	509.1	508.8
132.5°	535.1	536.8	538.4	540.1	541.8	542.6	542.7	542.9	543.0	543.2	543.4
135°	565.1	566.9	568.8	570.6	572.5	573.4	573.6	573.9	574.2	574.6	574.9
137.5°	598.2	599.7	601.2	602.7	604.2	604.9	605.1	605.4	605.7	606.1	606.4
140°	627.4	628.9	630.4	631.9	633.4	634.2	634.6	635.4	636.3	637.1	637.9
142.5°	657.4	658.9	660.4	661.9	663.4	664.2	664.5	665.0	665.5	666.0	666.5
145°	686.0	687.2	688.3	689.5	690.6	691.2	691.7	692.7	693.7	694.7	695.7
147.5°	711.5	713.0	714.5	716.0	717.5	718.2	718.5	719.2	719.9	720.5	721.2
150°	737.8	738.8	739.8	740.8	741.8	742.3	742.6	743.3	744.0	744.6	745.3
152.5°	761.0	762.0	763.0	764.0	765.0	765.5	765.9	766.8	767.6	768.5	769.3
155°	784.3	784.8	785.3	785.8	786.3	786.5	786.8	787.3	787.8	788.3	788.8
157.5°	804.5	804.8	805.2	805.5	805.8	806.0	806.2	806.5	806.8	807.2	807.5
160°	822.6	822.9	823.3	823.6	823.9	824.1	824.2	824.3	824.5	824.6	824.8
162.5°	839.1	839.1	839.1	839.1	839.1	839.1	839.2	839.3	839.5	839.6	839.8
165°	853.3	853.1	853.0	852.8	852.7	852.6	852.6	852.6	852.6	852.6	852.6
167.5°	866.1	865.6	865.1	864.6	864.1	863.8	863.8	863.8	863.8	863.8	863.8
170°	875.8	875.3	874.8	874.3	873.8	873.6	873.5	873.3	873.2	873.0	872.8
172.5°	882.6	882.1	881.6	881.1	880.6	880.3	880.2	880.1	879.9	879.8	879.6
175°	887.9	887.4	886.9	886.4	885.9	885.6	885.4	885.1	884.8	884.4	884.1
177.5°	890.9	890.4	889.9	889.4	888.9	888.6	888.4	888.1	887.8	887.4	887.1
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2064.9	2066.5	2069.5	2084.8	2092.4	2093.9	2087.8	2101.6	2106.2	2101.6	2098.5
5°	2162.7	2171.8	2190.2	2210.0	2208.5	2210.0	2219.2	2228.3	2231.4	2219.2	2223.8
7.5°	2248.2	2266.5	2286.4	2316.9	2316.9	2332.2	2338.3	2346.0	2364.3	2355.1	2352.1
10°	2346.0	2370.4	2407.0	2455.9	2457.4	2472.7	2488.0	2512.4	2520.1	2514.0	2517.0
12.5°	2468.1	2515.5	2518.5	2572.0	2596.4	2599.5	2623.9	2619.3	2634.6	2634.6	2660.6
15°	2521.6	2594.9	2636.1	2688.1	2703.3	2685.0	2704.9	2726.3	2727.8	2727.8	2726.3
17.5°	2617.8	2646.8	2688.1	2715.6	2721.7	2721.7	2723.2	2732.4	2726.3	2714.0	2723.2
20°	2637.7	2649.9	2665.2	2662.1	2665.2	2649.9	2634.6	2619.3	2620.9	2613.2	2636.1
22.5°	2601.0	2598.0	2562.8	2539.9	2539.9	2509.4	2480.4	2466.6	2452.9	2457.4	2465.1
25°	2509.4	2462.0	2419.3	2385.7	2378.0	2329.2	2289.4	2277.2	2254.3	2272.6	2275.7
27.5°	2362.8	2309.3	2240.6	2211.5	2171.8	2152.0	2124.5	2087.8	2040.5	2068.0	2063.4
30°	2205.4	2126.0	2069.5	1999.3	1936.6	1932.0	1880.1	1819.0	1794.6	1794.6	1808.3
32.5°	2029.8	1924.4	1841.9	1742.7	1681.6	1655.6	1593.0	1531.9	1545.6	1499.8	1516.6
35°	1825.1	1686.2	1582.3	1486.1	1440.3	1409.7	1328.8	1295.2	1258.5	1237.1	1276.8
37.5°	1629.6	1469.3	1336.4	1231.0	1214.2	1159.2	1104.2	1082.9	1061.5	1070.6	1069.1
40°	1391.4	1249.3	1130.2	1047.7	1018.7	992.8	956.1	930.1	916.4	924.0	925.6
42.5°	1176.0	1056.9	968.3	910.3	885.8	867.5	849.2	827.8	823.2	823.2	829.3
45°	1009.6	911.8	852.2	804.9	791.1	777.4	763.7	754.5	751.4	745.3	749.9
47.5°	876.7	798.8	762.1	727.0	711.7	708.7	696.5	691.9	685.8	684.2	685.8
50°	765.2	716.3	682.7	662.9	652.2	647.6	641.5	632.3	629.3	636.9	633.8
52.5°	687.3	641.5	623.1	603.3	597.2	591.1	581.9	583.4	581.9	578.9	578.9
55°	609.4	580.4	562.1	546.8	545.3	539.1	531.5	528.4	526.9	523.9	528.4
57.5°	546.8	523.9	507.1	493.3	487.2	487.2	479.6	473.5	473.5	471.9	473.5
60°	484.2	461.2	450.6	436.8	432.2	430.7	426.1	423.1	418.5	418.5	418.5
62.5°	426.1	407.8	395.6	383.4	384.9	377.2	371.1	368.1	368.1	369.6	369.6
65°	371.1	358.9	343.6	333.0	329.9	328.4	325.3	323.8	319.2	322.3	322.3
67.5°	320.7	303.9	294.8	290.2	285.6	284.1	281.0	278.0	276.4	274.9	278.0
70°	270.3	256.6	249.0	245.9	241.3	239.8	238.3	233.7	235.2	236.7	238.3
72.5°	224.5	212.3	210.8	201.6	201.6	201.6	195.5	198.6	197.0	194.0	197.0
75°	177.2	171.1	168.0	163.4	164.9	163.4	161.9	157.3	157.3	158.8	160.4
77.5°	140.5	134.4	132.9	128.3	125.2	128.3	125.2	123.7	123.7	125.2	125.2
80°	103.9	100.8	96.2	96.2	96.2	94.7	94.7	94.7	93.2	91.6	93.2
82.5°	68.7	68.7	67.2	65.7	67.2	64.1	65.7	65.7	65.7	65.7	65.7
85°	44.3	42.8	42.8	41.2	41.2	41.2	42.8	39.7	39.7	41.2	41.2
87.5°	19.9	19.9	19.9	21.4	19.9	19.9	19.9	21.4	19.9	19.9	19.9
90°	26.0	25.6	25.3	25.0	24.8	24.9	25.0	25.2	25.3	25.5	25.3
92.5°	23.5	23.6	23.8	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0
95°	48.0	48.0	48.0	48.0	48.0	47.8	47.5	47.2	46.8	46.5	46.8
97.5°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
100°	103.6	103.6	103.6	103.6	103.6	103.5	103.3	103.2	103.0	102.8	103.0
102.5°	134.5	134.7	134.8	135.0	135.1	135.0	134.8	134.7	134.5	134.3	134.5
105°	165.4	165.8	166.1	166.4	166.6	166.6	166.6	166.6	166.6	166.6	166.6
107.5°	199.1	199.2	199.4	199.5	199.6	199.2	198.4	197.5	196.7	195.9	196.7
110°	233.4	233.4	233.4	233.4	233.4	233.2	232.7	232.2	231.7	231.2	231.7

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	268.2	267.7	267.2	266.7	266.4	266.2	265.9	265.6	265.2	264.9	265.2
115°	303.0	302.9	302.7	302.6	302.5	302.2	301.7	301.2	300.7	300.2	300.7
117.5°	337.2	336.7	336.2	335.7	335.5	335.2	334.7	334.2	333.7	333.2	333.7
120°	370.8	370.8	370.8	370.8	370.8	370.5	370.0	369.5	369.0	368.5	369.0
122.5°	406.3	405.8	405.3	404.8	404.5	404.3	404.0	403.7	403.3	403.0	403.3
125°	440.8	440.3	439.8	439.3	439.0	438.9	438.8	438.6	438.5	438.3	438.5
127.5°	474.4	473.8	473.1	472.4	472.1	471.8	471.3	470.8	470.3	469.8	470.3
130°	508.5	508.1	507.8	507.5	507.3	507.0	506.3	505.6	505.0	504.3	505.0
132.5°	542.6	541.7	540.9	540.0	539.6	539.4	538.9	538.4	537.9	537.4	537.9
135°	574.7	574.5	574.4	574.2	574.1	573.9	573.4	572.9	572.4	571.9	572.4
137.5°	606.2	606.1	605.9	605.8	605.7	605.4	604.7	604.0	603.4	602.7	603.4
140°	637.9	637.9	637.9	637.9	637.9	637.6	636.9	636.2	635.6	634.9	635.6
142.5°	666.7	666.8	667.0	667.1	667.2	666.9	666.2	665.5	664.9	664.2	664.9
145°	695.9	696.1	696.2	696.4	696.5	696.2	695.5	694.8	694.2	693.5	694.2
147.5°	721.5	721.9	722.2	722.5	722.7	722.4	721.7	721.0	720.4	719.7	720.4
150°	745.8	746.3	746.8	747.3	747.5	747.3	746.8	746.3	745.8	745.3	745.8
152.5°	770.0	770.6	771.3	772.0	772.3	772.0	771.3	770.6	770.0	769.3	770.0
155°	789.6	790.4	791.3	792.1	792.5	792.3	791.8	791.3	790.8	790.3	790.8
157.5°	808.7	809.9	811.0	812.2	812.8	812.4	811.6	810.7	809.9	809.1	809.9
160°	825.8	826.8	827.8	828.8	829.3	829.0	828.3	827.6	827.0	826.3	827.0
162.5°	841.0	842.2	843.3	844.5	845.1	844.7	843.8	843.0	842.1	841.3	842.1
165°	853.8	854.9	856.1	857.2	857.8	857.4	856.6	855.7	854.9	854.1	854.9
167.5°	865.0	866.2	867.3	868.5	869.1	868.7	867.8	867.0	866.1	865.3	866.1
170°	874.0	875.2	876.3	877.5	878.1	877.6	876.6	875.6	874.6	873.6	874.6
172.5°	880.8	882.0	883.1	884.3	884.9	884.4	883.4	882.3	881.3	880.3	881.3
175°	885.3	886.5	887.6	888.8	889.4	888.9	887.9	886.9	885.9	884.9	885.9
177.5°	888.1	889.1	890.1	891.1	891.6	891.1	890.1	889.1	888.1	887.1	888.1
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2106.2	2095.5	2086.3	2087.8	2095.5	2089.4	2074.1	2054.2	2046.6	2037.4	2046.6
5°	2232.9	2223.8	2205.4	2207.0	2202.4	2196.3	2171.8	2141.3	2141.3	2116.9	2113.8
7.5°	2358.2	2344.4	2332.2	2329.2	2312.4	2300.1	2278.7	2236.0	2219.2	2190.2	2173.4
10°	2498.7	2488.0	2474.2	2457.4	2448.3	2426.9	2391.8	2329.2	2298.6	2258.9	2229.9
12.5°	2640.7	2639.2	2608.6	2575.0	2573.5	2539.9	2515.5	2431.5	2390.2	2336.8	2268.1
15°	2730.8	2723.2	2706.4	2689.6	2694.2	2657.5	2602.5	2503.3	2475.8	2411.6	2338.3
17.5°	2729.3	2729.3	2724.7	2721.7	2717.1	2706.4	2675.9	2610.2	2565.9	2484.9	2416.2
20°	2642.2	2662.1	2666.7	2665.2	2680.4	2688.1	2686.5	2645.3	2610.2	2538.4	2468.1
22.5°	2468.1	2514.0	2533.8	2546.0	2578.1	2594.9	2634.6	2619.3	2610.2	2556.7	2497.2
25°	2306.2	2321.5	2381.1	2384.1	2428.4	2469.7	2509.4	2535.3	2568.9	2549.1	2498.7
27.5°	2097.0	2132.1	2174.9	2207.0	2216.1	2300.1	2365.8	2414.7	2491.0	2497.2	2480.4
30°	1860.3	1877.1	1947.3	1990.1	2039.0	2100.1	2194.7	2278.7	2347.5	2410.1	2431.5
32.5°	1571.6	1640.3	1681.6	1733.5	1776.3	1884.7	2000.8	2109.2	2188.6	2294.0	2339.8
35°	1307.4	1360.8	1431.1	1452.5	1530.4	1622.0	1773.2	1912.2	2032.9	2139.8	2232.9
37.5°	1089.0	1131.7	1206.6	1240.2	1286.0	1403.6	1530.4	1703.0	1848.0	1979.4	2095.5
40°	939.3	971.4	1027.9	1038.6	1076.8	1183.7	1286.0	1447.9	1640.3	1817.5	1944.3
42.5°	837.0	852.2	890.4	904.2	928.6	1000.4	1092.0	1244.8	1423.5	1606.7	1785.4
45°	763.7	774.3	797.3	809.5	840.0	872.1	946.9	1069.1	1209.6	1394.4	1586.9
47.5°	698.0	711.7	720.9	728.5	745.3	780.5	829.3	919.4	1053.8	1223.4	1409.7
50°	643.0	647.6	664.4	665.9	676.6	699.5	745.3	800.3	907.2	1044.7	1224.9
52.5°	588.0	592.6	603.3	614.0	618.6	636.9	667.4	713.3	792.7	901.1	1061.5
55°	533.0	539.1	549.8	557.5	562.1	577.3	595.7	639.9	702.6	778.9	910.3
57.5°	478.0	491.8	494.8	499.4	507.1	523.9	540.7	566.6	615.5	685.8	782.0
60°	426.1	430.7	441.4	446.0	453.6	462.8	484.2	504.0	539.1	594.1	681.2
62.5°	372.7	383.4	387.9	392.5	398.6	409.3	423.1	444.4	475.0	519.3	588.0
65°	326.8	328.4	337.5	343.6	349.8	357.4	371.1	391.0	409.3	450.6	501.0
67.5°	282.6	285.6	288.7	294.8	302.4	310.0	322.3	333.0	355.9	383.4	423.1
70°	239.8	239.8	247.4	252.0	250.5	259.6	268.8	281.0	297.8	323.8	355.9
72.5°	201.6	200.1	206.2	207.7	210.8	216.9	223.0	235.2	244.4	264.2	288.7
75°	160.4	163.4	166.5	166.5	171.1	175.6	181.8	187.9	198.6	210.8	229.1
77.5°	126.8	126.8	129.8	131.3	135.9	134.4	140.5	146.6	154.3	164.9	178.7
80°	93.2	96.2	96.2	96.2	97.7	99.3	105.4	110.0	114.5	122.2	128.3
82.5°	65.7	65.7	68.7	68.7	68.7	71.8	71.8	73.3	76.4	80.9	85.5
85°	41.2	41.2	41.2	42.8	41.2	42.8	45.8	44.3	45.8	48.9	48.9
87.5°	19.9	19.9	19.9	19.9	19.9	21.4	19.9	21.4	22.9	22.9	22.9
90°	25.2	25.0	24.9	24.8	25.0	25.3	25.6	26.0	26.3	22.6	19.0
92.5°	24.0	24.0	24.0	24.0	23.9	23.8	23.6	23.5	23.3	23.1	22.9
95°	47.2	47.5	47.8	48.0	48.0	48.0	48.0	48.0	48.0	47.7	47.3
97.5°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	74.4	73.7
100°	103.2	103.3	103.5	103.6	103.6	103.6	103.6	103.6	103.6	103.1	102.6
102.5°	134.7	134.8	135.0	135.1	135.0	134.8	134.7	134.5	134.3	133.6	133.0
105°	166.6	166.6	166.6	166.6	166.4	166.1	165.8	165.4	165.1	164.8	164.4
107.5°	197.5	198.4	199.2	199.6	199.5	199.4	199.2	199.1	198.9	198.9	198.9
110°	232.2	232.7	233.2	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	265.6	265.9	266.2	266.4	266.7	267.2	267.7	268.2	268.7	268.9	269.0
115°	301.2	301.7	302.2	302.5	302.6	302.7	302.9	303.0	303.2	303.5	303.9
117.5°	334.2	334.7	335.2	335.5	335.7	336.2	336.7	337.2	337.7	338.5	339.4
120°	369.5	370.0	370.5	370.8	370.8	370.8	370.8	370.8	370.8	372.1	373.5
122.5°	403.7	404.0	404.3	404.5	404.8	405.3	405.8	406.3	406.8	407.6	408.4
125°	438.6	438.8	438.9	439.0	439.3	439.8	440.3	440.8	441.3	441.8	442.3
127.5°	470.8	471.3	471.8	472.1	472.4	473.1	473.8	474.4	475.1	475.8	476.4
130°	505.6	506.3	507.0	507.3	507.5	507.8	508.1	508.5	508.8	509.1	509.5
132.5°	538.4	538.9	539.4	539.6	540.0	540.9	541.7	542.6	543.4	543.2	543.0
135°	572.9	573.4	573.9	574.1	574.2	574.4	574.5	574.7	574.9	574.6	574.2
137.5°	604.0	604.7	605.4	605.7	605.8	605.9	606.1	606.2	606.4	606.1	605.7
140°	636.2	636.9	637.6	637.9	637.9	637.9	637.9	637.9	637.9	637.1	636.3
142.5°	665.5	666.2	666.9	667.2	667.1	667.0	666.8	666.7	666.5	666.0	665.5
145°	694.8	695.5	696.2	696.5	696.4	696.2	696.1	695.9	695.7	694.7	693.7
147.5°	721.0	721.7	722.4	722.7	722.5	722.2	721.9	721.5	721.2	720.5	719.9
150°	746.3	746.8	747.3	747.5	747.3	746.8	746.3	745.8	745.3	744.6	744.0
152.5°	770.6	771.3	772.0	772.3	772.0	771.3	770.6	770.0	769.3	768.5	767.6
155°	791.3	791.8	792.3	792.5	792.1	791.3	790.4	789.6	788.8	788.3	787.8
157.5°	810.7	811.6	812.4	812.8	812.2	811.0	809.9	808.7	807.5	807.2	806.8
160°	827.6	828.3	829.0	829.3	828.8	827.8	826.8	825.8	824.8	824.6	824.5
162.5°	843.0	843.8	844.7	845.1	844.5	843.3	842.2	841.0	839.8	839.6	839.5
165°	855.7	856.6	857.4	857.8	857.2	856.1	854.9	853.8	852.6	852.6	852.6
167.5°	867.0	867.8	868.7	869.1	868.5	867.3	866.2	865.0	863.8	863.8	863.8
170°	875.6	876.6	877.6	878.1	877.5	876.3	875.2	874.0	872.8	873.0	873.2
172.5°	882.3	883.4	884.4	884.9	884.3	883.1	882.0	880.8	879.6	879.8	879.9
175°	886.9	887.9	888.9	889.4	888.8	887.6	886.5	885.3	884.1	884.4	884.8
177.5°	889.1	890.1	891.1	891.6	891.1	890.1	889.1	888.1	887.1	887.4	887.8
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2039.0	2031.3	2026.7	2029.8	2020.6	1997.7	1997.7	2005.4	1996.2	1987.0	1973.3
5°	2095.5	2080.2	2071.0	2069.5	2048.1	2011.5	2003.8	1996.2	1976.3	1955.0	1932.0
7.5°	2150.5	2123.0	2107.7	2097.0	2066.5	2019.1	1999.3	1982.5	1950.4	1918.3	1889.3
10°	2196.3	2156.6	2138.2	2121.4	2081.7	2022.2	1990.1	1959.5	1918.3	1877.1	1840.4
12.5°	2232.9	2187.1	2164.2	2139.8	2090.9	2013.0	1973.3	1924.4	1883.2	1828.2	1791.5
15°	2294.0	2199.3	2177.9	2155.0	2104.6	1997.7	1948.9	1893.9	1837.4	1764.0	1724.3
17.5°	2342.9	2216.1	2214.6	2165.7	2100.1	1991.6	1916.8	1845.0	1783.9	1710.6	1648.0
20°	2371.9	2242.1	2217.7	2167.3	2084.8	1950.4	1872.5	1793.1	1727.4	1638.8	1576.2
22.5°	2396.4	2278.7	2214.6	2153.5	2052.7	1936.6	1822.1	1747.2	1657.1	1560.9	1501.3
25°	2405.5	2286.4	2219.2	2148.9	2029.8	1896.9	1767.1	1686.2	1585.3	1498.3	1417.3
27.5°	2407.0	2284.9	2202.4	2129.1	1997.7	1845.0	1712.1	1626.6	1515.1	1414.3	1333.3
30°	2391.8	2268.1	2193.2	2113.8	1967.2	1797.6	1644.9	1550.2	1431.1	1330.3	1246.3
32.5°	2346.0	2234.5	2173.4	2086.3	1927.5	1732.0	1580.8	1475.4	1350.1	1250.9	1169.9
35°	2269.6	2193.2	2126.0	2045.1	1875.5	1670.9	1516.6	1392.9	1266.1	1171.4	1095.1
37.5°	2174.9	2133.7	2071.0	1991.6	1816.0	1615.9	1444.8	1307.4	1180.6	1089.0	1014.1
40°	2046.6	2057.3	1996.2	1924.4	1745.7	1541.1	1351.7	1220.3	1101.2	1015.7	942.4
42.5°	1907.6	1951.9	1916.8	1848.0	1667.8	1458.6	1282.9	1137.8	1021.8	933.2	872.1
45°	1757.9	1834.3	1812.9	1762.5	1586.9	1371.5	1185.2	1044.7	942.4	856.8	803.4
47.5°	1594.5	1703.0	1703.0	1666.3	1496.8	1284.5	1101.2	957.6	856.8	795.7	743.8
50°	1428.0	1550.2	1570.1	1545.6	1396.0	1185.2	998.9	869.0	782.0	722.4	684.2
52.5°	1253.9	1396.0	1432.6	1420.4	1289.1	1090.5	914.9	788.1	708.7	656.7	623.1
55°	1087.4	1252.4	1292.1	1296.7	1174.5	986.6	821.7	710.2	633.8	598.7	569.7
57.5°	930.1	1089.0	1133.3	1140.9	1058.4	892.0	734.6	636.9	568.2	539.1	516.2
60°	795.7	928.6	986.6	1003.4	931.7	782.0	653.7	559.0	507.1	479.6	458.2
62.5°	685.8	792.7	853.8	858.3	826.3	685.8	569.7	490.3	446.0	421.5	410.8
65°	578.9	675.1	711.7	730.1	704.1	594.1	491.8	426.1	391.0	369.6	358.9
67.5°	493.3	554.4	585.0	609.4	583.4	501.0	418.5	365.0	339.1	317.7	311.6
70°	404.7	455.1	478.0	502.5	479.6	417.0	357.4	308.5	285.6	268.8	261.2
72.5°	323.8	363.5	384.9	400.2	386.4	334.5	285.6	252.0	235.2	223.0	218.4
75°	256.6	284.1	296.3	307.0	300.9	261.2	230.6	203.1	187.9	177.2	174.1
77.5°	195.5	215.4	229.1	232.2	224.5	198.6	172.6	155.8	143.6	137.5	134.4
80°	139.0	151.2	158.8	163.4	155.8	145.1	126.8	114.5	103.9	96.2	94.7
82.5°	93.2	99.3	105.4	103.9	100.8	91.6	80.9	74.8	70.3	64.1	64.1
85°	53.5	55.0	58.0	59.6	58.0	51.9	45.8	42.8	39.7	35.1	35.1
87.5°	22.9	24.4	24.4	26.0	22.9	22.9	19.9	16.8	16.8	15.3	13.7
90°	15.3	11.6	9.8	8.8	6.8	4.8	2.8	0.8	2.8	4.8	6.8
92.5°	22.8	22.6	22.5	21.8	20.5	19.2	17.8	16.5	17.8	19.2	20.5
95°	47.0	46.7	46.5	45.7	44.0	42.3	40.7	39.0	40.7	42.3	44.0
97.5°	73.0	72.3	72.0	71.3	69.8	68.3	66.8	65.3	66.8	68.3	69.8
100°	102.1	101.6	101.3	100.6	99.3	98.0	96.6	95.3	96.6	98.0	99.3
102.5°	132.3	131.6	131.3	130.8	129.8	128.8	127.8	126.8	127.8	128.8	129.8
105°	164.1	163.8	163.6	163.4	162.9	162.4	161.9	161.4	161.9	162.4	162.9
107.5°	198.9	198.9	198.9	198.6	197.9	197.2	196.6	195.9	196.6	197.2	197.9
110°	233.4	233.4	233.4	232.9	231.9	230.9	229.9	228.9	229.9	230.9	231.9

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	269.2	269.3	269.4	268.9	267.9	266.9	265.9	264.9	265.9	266.9	267.9
115°	304.2	304.5	304.7	304.2	303.2	302.2	301.2	300.2	301.2	302.2	303.2
117.5°	340.2	341.1	341.5	340.8	339.5	338.2	336.8	335.5	336.8	338.2	339.5
120°	374.8	376.1	376.8	376.1	374.8	373.5	372.1	370.8	372.1	373.5	374.8
122.5°	409.3	410.1	410.5	409.7	408.0	406.3	404.7	403.0	404.7	406.3	408.0
125°	442.8	443.3	443.6	442.8	441.3	439.8	438.3	436.8	438.3	439.8	441.3
127.5°	477.1	477.8	478.1	477.2	475.3	473.5	471.6	469.8	471.6	473.5	475.3
130°	509.8	510.1	510.3	509.2	507.1	504.9	502.8	500.6	502.8	504.9	507.1
132.5°	542.9	542.7	542.6	541.8	540.1	538.4	536.8	535.1	536.8	538.4	540.1
135°	573.9	573.6	573.4	572.5	570.6	568.8	566.9	565.1	566.9	568.8	570.6
137.5°	605.4	605.1	604.9	604.2	602.7	601.2	599.7	598.2	599.7	601.2	602.7
140°	635.4	634.6	634.2	633.4	631.9	630.4	628.9	627.4	628.9	630.4	631.9
142.5°	665.0	664.5	664.2	663.4	661.9	660.4	658.9	657.4	658.9	660.4	661.9
145°	692.7	691.7	691.2	690.6	689.5	688.3	687.2	686.0	687.2	688.3	689.5
147.5°	719.2	718.5	718.2	717.5	716.0	714.5	713.0	711.5	713.0	714.5	716.0
150°	743.3	742.6	742.3	741.8	740.8	739.8	738.8	737.8	738.8	739.8	740.8
152.5°	766.8	765.9	765.5	765.0	764.0	763.0	762.0	761.0	762.0	763.0	764.0
155°	787.3	786.8	786.5	786.3	785.8	785.3	784.8	784.3	784.8	785.3	785.8
157.5°	806.5	806.2	806.0	805.8	805.5	805.2	804.8	804.5	804.8	805.2	805.5
160°	824.3	824.2	824.1	823.9	823.6	823.3	822.9	822.6	822.9	823.3	823.6
162.5°	839.3	839.2	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1	839.1
165°	852.6	852.6	852.6	852.7	852.8	853.0	853.1	853.3	853.1	853.0	852.8
167.5°	863.8	863.8	863.8	864.1	864.6	865.1	865.6	866.1	865.6	865.1	864.6
170°	873.3	873.5	873.6	873.8	874.3	874.8	875.3	875.8	875.3	874.8	874.3
172.5°	880.1	880.2	880.3	880.6	881.1	881.6	882.1	882.6	882.1	881.6	881.1
175°	885.1	885.4	885.6	885.9	886.4	886.9	887.4	887.9	887.4	886.9	886.4
177.5°	888.1	888.4	888.6	888.9	889.4	889.9	890.4	890.9	890.4	889.9	889.4
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1965.7	1973.3	1971.8	1956.5	1939.7	1925.9	1900.0	1903.0	1893.9	1895.4	1904.6
5°	1916.8	1916.8	1910.7	1889.3	1861.8	1846.5	1817.5	1809.9	1791.5	1790.0	1788.5
7.5°	1864.8	1857.2	1849.6	1819.0	1785.4	1761.0	1721.3	1712.1	1693.8	1681.6	1675.5
10°	1803.8	1793.1	1777.8	1742.7	1701.4	1670.9	1629.6	1617.4	1582.3	1567.0	1557.9
12.5°	1736.6	1730.4	1706.0	1677.0	1609.8	1576.2	1516.6	1528.8	1493.7	1463.2	1458.6
15°	1669.4	1646.4	1632.7	1585.3	1504.4	1489.1	1441.8	1417.3	1385.3	1360.8	1360.8
17.5°	1603.7	1568.5	1538.0	1487.6	1428.0	1385.3	1350.1	1337.9	1298.2	1273.8	1269.2
20°	1516.6	1476.9	1469.3	1397.5	1356.3	1308.9	1275.3	1244.8	1215.7	1205.0	1197.4
22.5°	1434.1	1388.3	1376.1	1315.0	1273.8	1226.4	1192.8	1171.4	1150.1	1142.4	1128.7
25°	1345.6	1318.1	1299.7	1234.1	1188.2	1144.0	1121.0	1105.8	1085.9	1084.4	1075.2
27.5°	1260.0	1234.1	1215.7	1153.1	1119.5	1078.3	1060.0	1043.2	1032.5	1027.9	1023.3
30°	1186.7	1157.7	1136.3	1090.5	1049.3	1015.7	1000.4	989.7	983.6	976.0	974.4
32.5°	1105.8	1089.0	1060.0	1024.8	992.8	960.7	951.5	943.9	934.7	931.7	930.1
35°	1037.0	1014.1	995.8	956.1	942.4	914.9	904.2	898.1	885.8	882.8	879.7
37.5°	969.8	948.5	928.6	904.2	878.2	862.9	856.8	847.7	841.5	843.1	840.0
40°	902.6	885.8	870.6	844.6	829.3	821.7	809.5	800.3	797.3	798.8	797.3
42.5°	837.0	821.7	812.5	792.7	777.4	769.8	762.1	753.0	757.5	757.5	762.1
45°	777.4	763.7	757.5	742.3	733.1	720.9	713.3	711.7	717.8	716.3	716.3
47.5°	716.3	711.7	704.1	690.3	678.1	670.5	669.0	669.0	675.1	678.1	676.6
50°	669.0	659.8	650.6	639.9	630.8	627.7	623.1	626.2	632.3	632.3	635.4
52.5°	609.4	603.3	600.2	591.1	585.0	585.0	585.0	586.5	591.1	595.7	594.1
55°	557.5	552.9	549.8	545.3	537.6	539.1	537.6	540.7	545.3	549.8	552.9
57.5°	502.5	501.0	497.9	490.3	490.3	488.7	493.3	494.8	502.5	505.5	510.1
60°	453.6	449.0	449.0	442.9	442.9	442.9	447.5	452.1	458.2	459.7	462.8
62.5°	401.7	401.7	400.2	395.6	395.6	400.2	401.7	407.8	410.8	410.8	415.4
65°	352.8	351.3	349.8	351.3	352.8	352.8	357.4	360.4	363.5	365.0	366.6
67.5°	303.9	302.4	305.5	303.9	307.0	313.1	311.6	316.2	320.7	320.7	322.3
70°	258.1	261.2	259.6	262.7	261.2	264.2	268.8	270.3	270.3	271.9	276.4
72.5°	215.4	215.4	215.4	213.8	215.4	218.4	221.5	223.0	226.0	227.6	232.2
75°	174.1	174.1	171.1	174.1	174.1	177.2	180.2	180.2	180.2	183.3	187.9
77.5°	131.3	132.9	131.3	134.4	134.4	135.9	139.0	137.5	140.5	142.0	143.6
80°	96.2	94.7	94.7	94.7	96.2	96.2	99.3	100.8	100.8	105.4	102.3
82.5°	61.1	62.6	61.1	62.6	62.6	64.1	62.6	64.1	65.7	68.7	67.2
85°	35.1	33.6	33.6	35.1	33.6	33.6	35.1	33.6	35.1	33.6	35.1
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.2	9.2	9.2	7.6
90°	8.8	9.8	11.6	15.3	19.0	22.6	26.3	26.0	25.6	25.3	25.0
92.5°	21.8	22.5	22.6	22.8	22.9	23.1	23.3	23.5	23.6	23.8	23.9
95°	45.7	46.5	46.7	47.0	47.3	47.7	48.0	48.0	48.0	48.0	48.0
97.5°	71.3	72.0	72.3	73.0	73.7	74.4	75.1	75.1	75.1	75.1	75.1
100°	100.6	101.3	101.6	102.1	102.6	103.1	103.6	103.6	103.6	103.6	103.6
102.5°	130.8	131.3	131.6	132.3	133.0	133.6	134.3	134.5	134.7	134.8	135.0
105°	163.4	163.6	163.8	164.1	164.4	164.8	165.1	165.4	165.8	166.1	166.4
107.5°	198.6	198.9	198.9	198.9	198.9	198.9	198.9	199.1	199.2	199.4	199.5
110°	232.9	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	268.9	269.4	269.3	269.2	269.0	268.9	268.7	268.2	267.7	267.2	266.7
115°	304.2	304.7	304.5	304.2	303.9	303.5	303.2	303.0	302.9	302.7	302.6
117.5°	340.8	341.5	341.1	340.2	339.4	338.5	337.7	337.2	336.7	336.2	335.7
120°	376.1	376.8	376.1	374.8	373.5	372.1	370.8	370.8	370.8	370.8	370.8
122.5°	409.7	410.5	410.1	409.3	408.4	407.6	406.8	406.3	405.8	405.3	404.8
125°	442.8	443.6	443.3	442.8	442.3	441.8	441.3	440.8	440.3	439.8	439.3
127.5°	477.2	478.1	477.8	477.1	476.4	475.8	475.1	474.4	473.8	473.1	472.4
130°	509.2	510.3	510.1	509.8	509.5	509.1	508.8	508.5	508.1	507.8	507.5
132.5°	541.8	542.6	542.7	542.9	543.0	543.2	543.4	542.6	541.7	540.9	540.0
135°	572.5	573.4	573.6	573.9	574.2	574.6	574.9	574.7	574.5	574.4	574.2
137.5°	604.2	604.9	605.1	605.4	605.7	606.1	606.4	606.2	606.1	605.9	605.8
140°	633.4	634.2	634.6	635.4	636.3	637.1	637.9	637.9	637.9	637.9	637.9
142.5°	663.4	664.2	664.5	665.0	665.5	666.0	666.5	666.7	666.8	667.0	667.1
145°	690.6	691.2	691.7	692.7	693.7	694.7	695.7	695.9	696.1	696.2	696.4
147.5°	717.5	718.2	718.5	719.2	719.9	720.5	721.2	721.5	721.9	722.2	722.5
150°	741.8	742.3	742.6	743.3	744.0	744.6	745.3	745.8	746.3	746.8	747.3
152.5°	765.0	765.5	765.9	766.8	767.6	768.5	769.3	770.0	770.6	771.3	772.0
155°	786.3	786.5	786.8	787.3	787.8	788.3	788.8	789.6	790.4	791.3	792.1
157.5°	805.8	806.0	806.2	806.5	806.8	807.2	807.5	808.7	809.9	811.0	812.2
160°	823.9	824.1	824.2	824.3	824.5	824.6	824.8	825.8	826.8	827.8	828.8
162.5°	839.1	839.1	839.2	839.3	839.5	839.6	839.8	841.0	842.2	843.3	844.5
165°	852.7	852.6	852.6	852.6	852.6	852.6	852.6	853.8	854.9	856.1	857.2
167.5°	864.1	863.8	863.8	863.8	863.8	863.8	863.8	865.0	866.2	867.3	868.5
170°	873.8	873.6	873.5	873.3	873.2	873.0	872.8	874.0	875.2	876.3	877.5
172.5°	880.6	880.3	880.2	880.1	879.9	879.8	879.6	880.8	882.0	883.1	884.3
175°	885.9	885.6	885.4	885.1	884.8	884.4	884.1	885.3	886.5	887.6	888.8
177.5°	888.9	888.6	888.4	888.1	887.8	887.4	887.1	888.1	889.1	890.1	891.1
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1893.9	1898.4	1887.8	1884.7	1887.8	1877.1	1880.1	1883.2	1883.2	1887.8	1890.8
5°	1783.9	1777.8	1767.1	1764.0	1761.0	1765.6	1762.5	1767.1	1768.6	1779.3	1780.8
7.5°	1675.5	1666.3	1657.1	1648.0	1644.9	1637.3	1644.9	1644.9	1655.6	1652.6	1660.2
10°	1547.2	1545.6	1533.4	1528.8	1522.7	1510.5	1527.3	1522.7	1530.4	1544.1	1547.2
12.5°	1452.5	1435.7	1443.3	1421.9	1429.6	1417.3	1418.9	1418.9	1431.1	1432.6	1429.6
15°	1362.4	1348.6	1328.8	1319.6	1315.0	1308.9	1328.8	1330.3	1321.1	1342.5	1334.9
17.5°	1270.7	1270.7	1252.4	1247.8	1235.6	1241.7	1238.7	1240.2	1237.1	1252.4	1260.0
20°	1191.3	1183.7	1177.6	1179.1	1163.8	1160.8	1157.7	1160.8	1171.4	1182.1	1185.2
22.5°	1127.2	1122.6	1107.3	1110.4	1098.1	1102.7	1099.7	1107.3	1108.8	1108.8	1119.5
25°	1066.1	1060.0	1061.5	1055.4	1050.8	1050.8	1046.2	1050.8	1056.9	1060.0	1061.5
27.5°	1020.2	1015.7	1008.0	1003.4	1006.5	998.9	1005.0	1009.6	1009.6	1006.5	1009.6
30°	965.3	968.3	968.3	953.0	959.2	956.1	960.7	963.7	963.7	965.3	962.2
32.5°	928.6	919.4	917.9	916.4	916.4	910.3	910.3	914.9	916.4	917.9	922.5
35°	879.7	879.7	872.1	876.7	870.6	872.1	870.6	872.1	875.1	870.6	875.1
37.5°	835.4	837.0	833.9	837.0	838.5	835.4	832.4	838.5	835.4	835.4	832.4
40°	797.3	795.7	797.3	797.3	797.3	798.8	795.7	795.7	795.7	792.7	789.6
42.5°	765.2	756.0	759.1	760.6	756.0	756.0	757.5	756.0	760.6	751.4	751.4
45°	719.4	716.3	717.8	717.8	720.9	716.3	719.4	720.9	716.3	714.8	711.7
47.5°	678.1	681.2	678.1	681.2	681.2	684.2	678.1	679.7	681.2	675.1	670.5
50°	636.9	636.9	641.5	639.9	641.5	638.4	638.4	636.9	638.4	635.4	630.8
52.5°	598.7	594.1	601.8	600.2	598.7	597.2	595.7	597.2	594.1	591.1	591.1
55°	551.4	551.4	555.9	557.5	557.5	554.4	551.4	552.9	551.4	549.8	548.3
57.5°	513.2	507.1	510.1	511.6	511.6	507.1	510.1	507.1	507.1	508.6	504.0
60°	464.3	464.3	461.2	465.8	465.8	462.8	462.8	464.3	461.2	459.7	458.2
62.5°	412.4	413.9	418.5	420.0	421.5	418.5	415.4	417.0	417.0	412.4	413.9
65°	368.1	371.1	377.2	375.7	372.7	374.2	371.1	372.7	368.1	369.6	365.0
67.5°	325.3	323.8	325.3	325.3	328.4	326.8	323.8	323.8	322.3	326.8	322.3
70°	279.5	279.5	279.5	279.5	281.0	282.6	279.5	276.4	278.0	274.9	273.4
72.5°	232.2	233.7	232.2	235.2	230.6	233.7	233.7	232.2	230.6	230.6	230.6
75°	187.9	190.9	186.3	187.9	186.3	189.4	187.9	187.9	184.8	183.3	184.8
77.5°	143.6	145.1	142.0	143.6	142.0	143.6	143.6	142.0	142.0	142.0	142.0
80°	102.3	103.9	102.3	100.8	99.3	102.3	99.3	100.8	102.3	100.8	103.9
82.5°	65.7	65.7	64.1	65.7	62.6	62.6	64.1	64.1	62.6	65.7	62.6
85°	32.1	32.1	35.1	32.1	30.5	30.5	30.5	32.1	30.5	33.6	32.1
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.2	6.1
90°	24.8	24.9	25.0	25.2	25.3	25.5	25.3	25.2	25.0	24.9	24.8
92.5°	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
95°	48.0	47.8	47.5	47.2	46.8	46.5	46.8	47.2	47.5	47.8	48.0
97.5°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
100°	103.6	103.5	103.3	103.2	103.0	102.8	103.0	103.2	103.3	103.5	103.6
102.5°	135.1	135.0	134.8	134.7	134.5	134.3	134.5	134.7	134.8	135.0	135.1
105°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6
107.5°	199.6	199.2	198.4	197.5	196.7	195.9	196.7	197.5	198.4	199.2	199.6
110°	233.4	233.2	232.7	232.2	231.7	231.2	231.7	232.2	232.7	233.2	233.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	266.4	266.2	265.9	265.6	265.2	264.9	265.2	265.6	265.9	266.2	266.4
115°	302.5	302.2	301.7	301.2	300.7	300.2	300.7	301.2	301.7	302.2	302.5
117.5°	335.5	335.2	334.7	334.2	333.7	333.2	333.7	334.2	334.7	335.2	335.5
120°	370.8	370.5	370.0	369.5	369.0	368.5	369.0	369.5	370.0	370.5	370.8
122.5°	404.5	404.3	404.0	403.7	403.3	403.0	403.3	403.7	404.0	404.3	404.5
125°	439.0	438.9	438.8	438.6	438.5	438.3	438.5	438.6	438.8	438.9	439.0
127.5°	472.1	471.8	471.3	470.8	470.3	469.8	470.3	470.8	471.3	471.8	472.1
130°	507.3	507.0	506.3	505.6	505.0	504.3	505.0	505.6	506.3	507.0	507.3
132.5°	539.6	539.4	538.9	538.4	537.9	537.4	537.9	538.4	538.9	539.4	539.6
135°	574.1	573.9	573.4	572.9	572.4	571.9	572.4	572.9	573.4	573.9	574.1
137.5°	605.7	605.4	604.7	604.0	603.4	602.7	603.4	604.0	604.7	605.4	605.7
140°	637.9	637.6	636.9	636.2	635.6	634.9	635.6	636.2	636.9	637.6	637.9
142.5°	667.2	666.9	666.2	665.5	664.9	664.2	664.9	665.5	666.2	666.9	667.2
145°	696.5	696.2	695.5	694.8	694.2	693.5	694.2	694.8	695.5	696.2	696.5
147.5°	722.7	722.4	721.7	721.0	720.4	719.7	720.4	721.0	721.7	722.4	722.7
150°	747.5	747.3	746.8	746.3	745.8	745.3	745.8	746.3	746.8	747.3	747.5
152.5°	772.3	772.0	771.3	770.6	770.0	769.3	770.0	770.6	771.3	772.0	772.3
155°	792.5	792.3	791.8	791.3	790.8	790.3	790.8	791.3	791.8	792.3	792.5
157.5°	812.8	812.4	811.6	810.7	809.9	809.1	809.9	810.7	811.6	812.4	812.8
160°	829.3	829.0	828.3	827.6	827.0	826.3	827.0	827.6	828.3	829.0	829.3
162.5°	845.1	844.7	843.8	843.0	842.1	841.3	842.1	843.0	843.8	844.7	845.1
165°	857.8	857.4	856.6	855.7	854.9	854.1	854.9	855.7	856.6	857.4	857.8
167.5°	869.1	868.7	867.8	867.0	866.1	865.3	866.1	867.0	867.8	868.7	869.1
170°	878.1	877.6	876.6	875.6	874.6	873.6	874.6	875.6	876.6	877.6	878.1
172.5°	884.9	884.4	883.4	882.3	881.3	880.3	881.3	882.3	883.4	884.4	884.9
175°	889.4	888.9	887.9	886.9	885.9	884.9	885.9	886.9	887.9	888.9	889.4
177.5°	891.6	891.1	890.1	889.1	888.1	887.1	888.1	889.1	890.1	891.1	891.6
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1886.2	1898.4	1893.9	1877.1	1896.9	1896.9	1910.7	1910.7	1927.5	1933.6	1942.7
5°	1779.3	1788.5	1796.1	1788.5	1802.2	1823.6	1835.8	1846.5	1869.4	1878.6	1892.3
7.5°	1664.8	1681.6	1689.2	1689.2	1712.1	1736.6	1761.0	1776.3	1808.3	1820.6	1834.3
10°	1553.3	1573.1	1588.4	1586.9	1625.1	1640.3	1670.9	1706.0	1738.1	1756.4	1776.3
12.5°	1435.7	1446.4	1467.7	1498.3	1507.5	1534.9	1570.1	1614.4	1672.4	1689.2	1718.2
15°	1337.9	1366.9	1383.7	1397.5	1418.9	1444.8	1483.0	1525.8	1583.8	1620.5	1651.0
17.5°	1255.5	1293.6	1304.3	1301.3	1328.8	1368.5	1412.8	1444.8	1496.8	1541.1	1570.1
20°	1188.2	1203.5	1221.8	1229.5	1250.9	1293.6	1336.4	1373.1	1415.8	1450.9	1484.5
22.5°	1121.0	1133.3	1148.5	1162.3	1179.1	1203.5	1244.8	1290.6	1331.8	1365.4	1403.6
25°	1066.1	1073.7	1087.4	1098.1	1116.5	1133.3	1162.3	1212.7	1261.6	1281.4	1315.0
27.5°	1012.6	1018.7	1027.9	1040.1	1049.3	1066.1	1092.0	1133.3	1183.7	1203.5	1249.3
30°	965.3	969.8	979.0	985.1	989.7	1009.6	1029.4	1061.5	1099.7	1127.2	1160.8
32.5°	921.0	925.6	934.7	936.2	942.4	953.0	971.4	1000.4	1034.0	1056.9	1085.9
35°	872.1	875.1	884.3	887.4	892.0	901.1	914.9	936.2	966.8	983.6	1009.6
37.5°	833.9	832.4	838.5	843.1	849.2	853.8	858.3	879.7	902.6	917.9	937.8
40°	792.7	789.6	791.1	797.3	800.3	806.4	806.4	827.8	843.1	855.3	870.6
42.5°	751.4	749.9	746.9	749.9	753.0	754.5	756.0	771.3	786.6	797.3	814.1
45°	710.2	708.7	705.6	707.1	707.1	710.2	714.8	720.9	731.6	740.7	749.9
47.5°	672.0	669.0	664.4	662.9	665.9	665.9	665.9	672.0	682.7	685.8	694.9
50°	632.3	627.7	621.6	618.6	618.6	617.0	620.1	621.6	630.8	633.8	641.5
52.5°	589.5	586.5	580.4	574.3	575.8	572.7	574.3	575.8	578.9	583.4	588.0
55°	546.8	540.7	536.1	534.6	530.0	530.0	525.4	531.5	530.0	531.5	537.6
57.5°	505.5	499.4	491.8	488.7	484.2	482.6	479.6	478.0	479.6	484.2	488.7
60°	456.7	453.6	449.0	444.4	441.4	436.8	433.8	433.8	432.2	432.2	433.8
62.5°	409.3	407.8	401.7	400.2	397.1	394.0	389.5	386.4	386.4	389.5	391.0
65°	363.5	362.0	357.4	355.9	348.2	345.2	343.6	342.1	339.1	339.1	339.1
67.5°	320.7	316.2	316.2	308.5	302.4	299.4	296.3	294.8	294.8	294.8	296.3
70°	273.4	273.4	268.8	264.2	258.1	259.6	255.1	250.5	250.5	247.4	249.0
72.5°	227.6	226.0	221.5	219.9	215.4	210.8	207.7	210.8	206.2	204.7	206.2
75°	183.3	181.8	178.7	175.6	177.2	172.6	168.0	166.5	166.5	163.4	163.4
77.5°	140.5	143.6	137.5	135.9	132.9	129.8	128.3	126.8	126.8	126.8	129.8
80°	97.7	99.3	99.3	96.2	97.7	93.2	93.2	93.2	88.6	90.1	91.6
82.5°	62.6	62.6	61.1	62.6	61.1	61.1	59.6	59.6	58.0	58.0	59.6
85°	35.1	33.6	32.1	35.1	33.6	33.6	32.1	32.1	32.1	32.1	32.1
87.5°	7.6	9.2	9.2	9.2	9.2	10.7	10.7	10.7	12.2	12.2	12.2
90°	25.0	25.3	25.6	26.0	26.3	22.6	19.0	15.3	11.6	9.8	8.8
92.5°	23.9	23.8	23.6	23.5	23.3	23.1	22.9	22.8	22.6	22.5	21.8
95°	48.0	48.0	48.0	48.0	48.0	47.7	47.3	47.0	46.7	46.5	45.7
97.5°	75.1	75.1	75.1	75.1	75.1	74.4	73.7	73.0	72.3	72.0	71.3
100°	103.6	103.6	103.6	103.6	103.6	103.1	102.6	102.1	101.6	101.3	100.6
102.5°	135.0	134.8	134.7	134.5	134.3	133.6	133.0	132.3	131.6	131.3	130.8
105°	166.4	166.1	165.8	165.4	165.1	164.8	164.4	164.1	163.8	163.6	163.4
107.5°	199.5	199.4	199.2	199.1	198.9	198.9	198.9	198.9	198.9	198.9	198.6
110°	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	232.9

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	266.7	267.2	267.7	268.2	268.7	268.9	269.0	269.2	269.3	269.4	268.9
115°	302.6	302.7	302.9	303.0	303.2	303.5	303.9	304.2	304.5	304.7	304.2
117.5°	335.7	336.2	336.7	337.2	337.7	338.5	339.4	340.2	341.1	341.5	340.8
120°	370.8	370.8	370.8	370.8	370.8	372.1	373.5	374.8	376.1	376.8	376.1
122.5°	404.8	405.3	405.8	406.3	406.8	407.6	408.4	409.3	410.1	410.5	409.7
125°	439.3	439.8	440.3	440.8	441.3	441.8	442.3	442.8	443.3	443.6	442.8
127.5°	472.4	473.1	473.8	474.4	475.1	475.8	476.4	477.1	477.8	478.1	477.2
130°	507.5	507.8	508.1	508.5	508.8	509.1	509.5	509.8	510.1	510.3	509.2
132.5°	540.0	540.9	541.7	542.6	543.4	543.2	543.0	542.9	542.7	542.6	541.8
135°	574.2	574.4	574.5	574.7	574.9	574.6	574.2	573.9	573.6	573.4	572.5
137.5°	605.8	605.9	606.1	606.2	606.4	606.1	605.7	605.4	605.1	604.9	604.2
140°	637.9	637.9	637.9	637.9	637.9	637.1	636.3	635.4	634.6	634.2	633.4
142.5°	667.1	667.0	666.8	666.7	666.5	666.0	665.5	665.0	664.5	664.2	663.4
145°	696.4	696.2	696.1	695.9	695.7	694.7	693.7	692.7	691.7	691.2	690.6
147.5°	722.5	722.2	721.9	721.5	721.2	720.5	719.9	719.2	718.5	718.2	717.5
150°	747.3	746.8	746.3	745.8	745.3	744.6	744.0	743.3	742.6	742.3	741.8
152.5°	772.0	771.3	770.6	770.0	769.3	768.5	767.6	766.8	765.9	765.5	765.0
155°	792.1	791.3	790.4	789.6	788.8	788.3	787.8	787.3	786.8	786.5	786.3
157.5°	812.2	811.0	809.9	808.7	807.5	807.2	806.8	806.5	806.2	806.0	805.8
160°	828.8	827.8	826.8	825.8	824.8	824.6	824.5	824.3	824.2	824.1	823.9
162.5°	844.5	843.3	842.2	841.0	839.8	839.6	839.5	839.3	839.2	839.1	839.1
165°	857.2	856.1	854.9	853.8	852.6	852.6	852.6	852.6	852.6	852.6	852.7
167.5°	868.5	867.3	866.2	865.0	863.8	863.8	863.8	863.8	863.8	863.8	864.1
170°	877.5	876.3	875.2	874.0	872.8	873.0	873.2	873.3	873.5	873.6	873.8
172.5°	884.3	883.1	882.0	880.8	879.6	879.8	879.9	880.1	880.2	880.3	880.6
175°	888.8	887.6	886.5	885.3	884.1	884.4	884.8	885.1	885.4	885.6	885.9
177.5°	891.1	890.1	889.1	888.1	887.1	887.4	887.8	888.1	888.4	888.6	888.9
180°	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4	889.4

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1987.0	1987.0	1987.0	1987.0
2.5°	1950.4	1950.4	1973.3	1997.7
5°	1907.6	1918.3	1955.0	1988.6
7.5°	1866.4	1884.7	1930.5	1973.3
10°	1816.0	1840.4	1896.9	1947.3
12.5°	1767.1	1790.0	1855.7	1912.2
15°	1698.4	1727.4	1797.6	1867.9
17.5°	1629.6	1658.7	1744.2	1826.7
20°	1548.7	1586.9	1683.1	1793.1
22.5°	1473.9	1521.2	1628.1	1716.7
25°	1391.4	1464.7	1564.0	1678.5
27.5°	1318.1	1391.4	1492.2	1608.3
30°	1235.6	1310.4	1414.3	1521.2
32.5°	1156.2	1224.9	1325.7	1457.1
35°	1073.7	1139.4	1237.1	1370.0
37.5°	998.9	1063.0	1169.9	1292.1
40°	925.6	992.8	1084.4	1206.6
42.5°	856.8	916.4	998.9	1121.0
45°	794.2	837.0	913.3	1027.9
47.5°	728.5	766.7	837.0	951.5
50°	667.4	699.5	760.6	867.5
52.5°	607.9	635.4	691.9	777.4
55°	554.4	580.4	621.6	705.6
57.5°	499.4	519.3	559.0	626.2
60°	446.0	464.3	496.4	551.4
62.5°	392.5	407.8	438.3	482.6
65°	345.2	357.4	380.3	418.5
67.5°	299.4	307.0	325.3	355.9
70°	255.1	261.2	276.4	300.9
72.5°	207.7	213.8	230.6	247.4
75°	168.0	169.5	181.8	195.5
77.5°	131.3	129.8	139.0	149.7
80°	90.1	94.7	102.3	106.9
82.5°	61.1	62.6	65.7	68.7
85°	33.6	35.1	35.1	39.7
87.5°	13.7	15.3	15.3	16.8
90°	6.8	4.8	2.8	0.8
92.5°	20.5	19.2	17.8	16.5
95°	44.0	42.3	40.7	39.0
97.5°	69.8	68.3	66.8	65.3
100°	99.3	98.0	96.6	95.3
102.5°	129.8	128.8	127.8	126.8
105°	162.9	162.4	161.9	161.4
107.5°	197.9	197.2	196.6	195.9
110°	231.9	230.9	229.9	228.9

TEST NUMBER: P1029247

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	267.9	266.9	265.9	264.9
115°	303.2	302.2	301.2	300.2
117.5°	339.5	338.2	336.8	335.5
120°	374.8	373.5	372.1	370.8
122.5°	408.0	406.3	404.7	403.0
125°	441.3	439.8	438.3	436.8
127.5°	475.3	473.5	471.6	469.8
130°	507.1	504.9	502.8	500.6
132.5°	540.1	538.4	536.8	535.1
135°	570.6	568.8	566.9	565.1
137.5°	602.7	601.2	599.7	598.2
140°	631.9	630.4	628.9	627.4
142.5°	661.9	660.4	658.9	657.4
145°	689.5	688.3	687.2	686.0
147.5°	716.0	714.5	713.0	711.5
150°	740.8	739.8	738.8	737.8
152.5°	764.0	763.0	762.0	761.0
155°	785.8	785.3	784.8	784.3
157.5°	805.5	805.2	804.8	804.5
160°	823.6	823.3	822.9	822.6
162.5°	839.1	839.1	839.1	839.1
165°	852.8	853.0	853.1	853.3
167.5°	864.6	865.1	865.6	866.1
170°	874.3	874.8	875.3	875.8
172.5°	881.1	881.6	882.1	882.6
175°	886.4	886.9	887.4	887.9
177.5°	889.4	889.9	890.4	890.9
180°	889.4	889.4	889.4	889.4

(END OF REPORT)