

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: P1029246

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029246
REPORT IS A COMBINATION OF REPORTS P985299 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_3500K
Description: Define 2 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

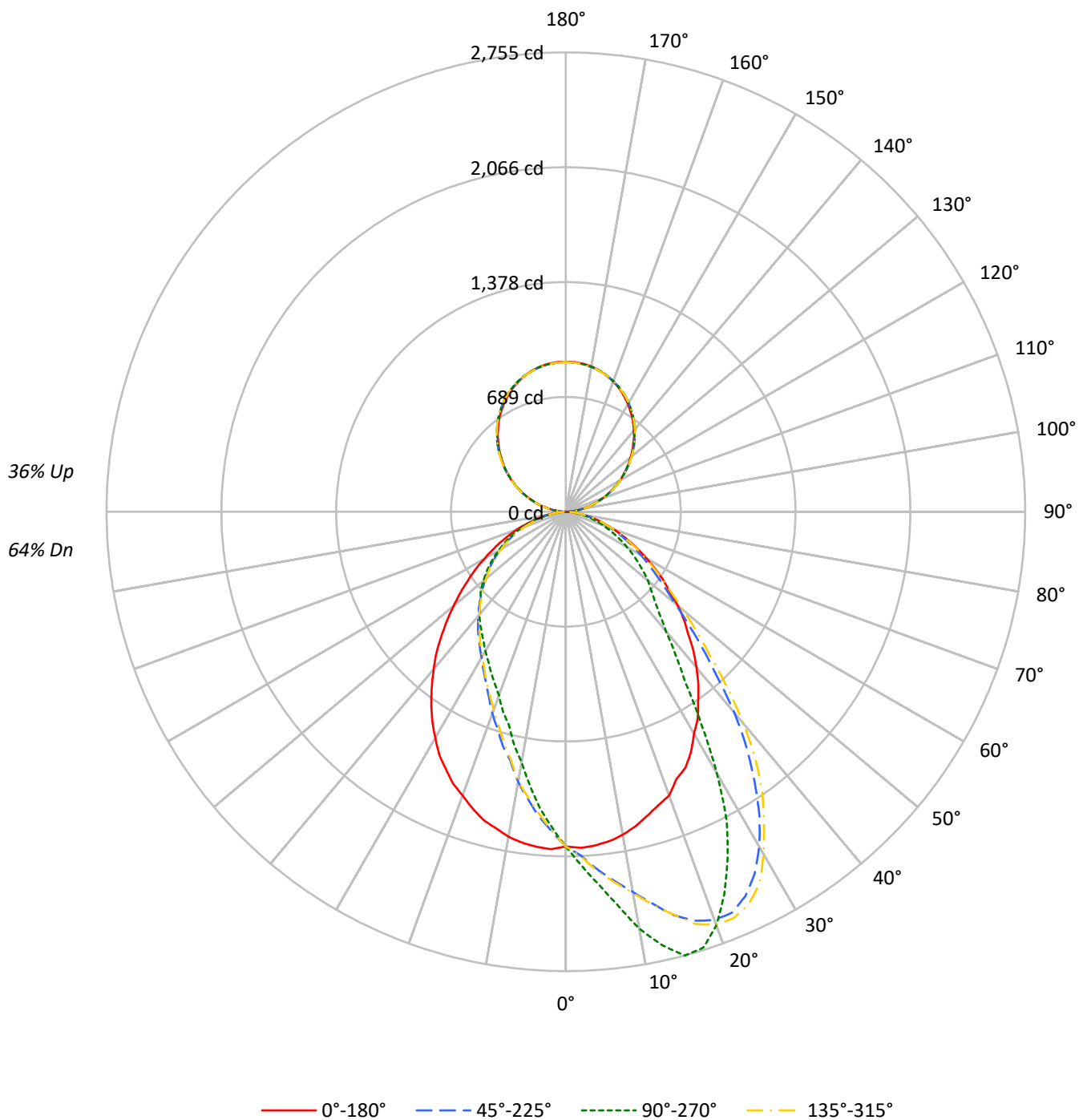
Lumens per Lamp: N/A
Luminaire Lumens: 6942.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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



TEST NUMBER: P1029246

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64		
1	101	97	94	90	95	92	88	85	81	78	76	71	69	67	62	61	59	55		
2	93	86	80	75	87	81	76	71	72	68	64	63	60	57	55	53	51	47		
3	85	76	69	63	80	72	65	60	64	59	55	56	52	49	49	47	44	41		
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	45	41	39	35		
5	72	61	53	47	68	58	50	45	51	46	41	46	41	38	41	37	34	31		
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28		
7	62	50	42	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25		
8	58	45	38	32	54	43	36	31	39	33	29	35	30	27	31	27	25	22		
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20		
10	50	38	31	26	48	37	30	26	33	28	24	30	25	22	27	23	20	19		

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	2.8
10°-20°	556.4	8.0
20°-30°	807.5	11.6
30°-40°	851.2	12.3
40°-50°	753.3	10.9
50°-60°	601.5	8.7
60°-70°	408.5	5.9
70°-80°	209.0	3.0
80°-90°	51.9	0.7
90°-100°	55.6	0.8
100°-110°	176.7	2.5
110°-120°	302.3	4.4
120°-130°	397.5	5.7
130°-140°	446.2	6.4
140°-150°	437.6	6.3
150°-160°	367.1	5.3
160°-170°	243.4	3.5
170°-180°	85.1	1.2
0°-30°	1555.0	22.4
0°-40°	2406.3	34.7
0°-60°	3761.0	54.2
0°-90°	4430.6	63.8
90°-120°	534.5	7.7
90°-150°	1815.9	26.2
90°-180°	2511.0	36.2
0°-180°	6942.0	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	26	1	26	1	5
95°	39	47	39	47	39	44
105°	163	168	163	168	163	172
115°	303	303	303	303	303	300
125°	441	443	441	443	441	394
135°	571	578	571	578	571	441
145°	693	700	693	700	693	433
155°	792	798	792	798	792	365
165°	862	863	862	863	862	243
175°	897	894	897	894	897	85
180°	898	898	898	898	898	

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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°	0.8	2.8	4.8	6.9	8.9	9.9	11.7	15.4	19.1	22.8	26.5
92.5°	16.7	18.0	19.4	20.7	22.0	22.7	22.8	23.0	23.1	23.3	23.5
95°	39.4	41.1	42.8	44.5	46.2	47.0	47.2	47.5	47.8	48.2	48.5
97.5°	66.0	67.5	69.0	70.5	72.0	72.8	73.1	73.8	74.5	75.1	75.8
100°	96.3	97.6	99.0	100.3	101.6	102.3	102.6	103.1	103.6	104.1	104.6
102.5°	128.1	129.1	130.1	131.2	132.2	132.7	133.0	133.7	134.4	135.0	135.7
105°	163.0	163.5	164.0	164.5	165.0	165.3	165.5	165.8	166.1	166.5	166.8
107.5°	197.9	198.6	199.2	199.9	200.6	200.9	200.9	200.9	200.9	200.9	200.9
110°	231.2	232.2	233.2	234.3	235.3	235.8	235.8	235.8	235.8	235.8	235.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	267.6	268.6	269.6	270.6	271.6	272.1	272.0	271.9	271.7	271.6	271.4
115°	303.2	304.2	305.2	306.3	307.3	307.8	307.6	307.3	307.0	306.6	306.3
117.5°	338.8	340.2	341.5	342.9	344.2	344.9	344.5	343.6	342.8	341.9	341.1
120°	374.5	375.8	377.2	378.5	379.8	380.5	379.8	378.5	377.2	375.8	374.5
122.5°	407.1	408.8	410.5	412.2	413.9	414.7	414.3	413.4	412.6	411.7	410.9
125°	441.2	442.7	444.2	445.7	447.2	448.0	447.7	447.2	446.7	446.2	445.7
127.5°	474.5	476.4	478.2	480.1	482.0	482.9	482.6	481.9	481.2	480.5	479.8
130°	505.6	507.8	510.0	512.2	514.4	515.5	515.3	515.0	514.7	514.3	514.0
132.5°	540.5	542.2	543.9	545.6	547.3	548.1	548.2	548.3	548.5	548.6	548.8
135°	570.8	572.6	574.5	576.3	578.2	579.1	579.3	579.6	580.0	580.3	580.7
137.5°	604.2	605.7	607.2	608.7	610.2	611.0	611.2	611.5	611.8	612.2	612.5
140°	633.7	635.2	636.8	638.3	639.8	640.6	641.0	641.8	642.7	643.5	644.3
142.5°	664.1	665.6	667.1	668.6	670.1	670.9	671.1	671.6	672.1	672.6	673.1
145°	692.9	694.1	695.3	696.4	697.6	698.2	698.7	699.7	700.7	701.7	702.7
147.5°	718.6	720.1	721.7	723.2	724.7	725.5	725.8	726.5	727.2	727.8	728.5
150°	745.2	746.2	747.2	748.2	749.2	749.7	750.0	750.7	751.4	752.0	752.7
152.5°	768.7	769.7	770.7	771.7	772.7	773.2	773.6	774.5	775.3	776.2	777.0
155°	792.2	792.7	793.2	793.7	794.2	794.4	794.7	795.2	795.7	796.2	796.7
157.5°	812.6	812.9	813.3	813.6	813.9	814.1	814.3	814.6	815.0	815.3	815.7
160°	830.8	831.1	831.5	831.8	832.1	832.3	832.4	832.6	832.7	832.9	833.1
162.5°	847.5	847.5	847.5	847.5	847.5	847.5	847.6	847.8	847.9	848.1	848.3
165°	861.9	861.7	861.5	861.4	861.2	861.1	861.1	861.1	861.1	861.1	861.1
167.5°	874.8	874.3	873.8	873.3	872.8	872.5	872.5	872.5	872.5	872.5	872.5
170°	884.6	884.1	883.6	883.1	882.6	882.4	882.3	882.1	882.0	881.8	881.6
172.5°	891.5	891.0	890.5	890.0	889.5	889.2	889.1	888.9	888.8	888.6	888.4
175°	896.8	896.3	895.8	895.3	894.8	894.5	894.3	894.0	893.7	893.3	893.0
177.5°	899.8	899.3	898.8	898.3	897.8	897.5	897.3	897.0	896.7	896.3	896.0
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

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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°	26.2	25.8	25.5	25.2	25.0	25.1	25.3	25.4	25.6	25.8	25.6
92.5°	23.7	23.9	24.0	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.5	48.5	48.5	48.5	48.5	48.3	48.0	47.7	47.3	47.0	47.3
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100°	104.6	104.6	104.6	104.6	104.6	104.5	104.4	104.2	104.1	103.9	104.1
102.5°	135.9	136.0	136.2	136.3	136.4	136.3	136.2	136.0	135.9	135.7	135.9
105°	167.1	167.5	167.8	168.1	168.3	168.3	168.3	168.3	168.3	168.3	168.3
107.5°	201.1	201.2	201.4	201.5	201.6	201.2	200.4	199.5	198.7	197.9	198.7
110°	235.8	235.8	235.8	235.8	235.8	235.5	235.0	234.5	234.0	233.5	234.0

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	270.9	270.4	269.9	269.4	269.1	268.9	268.6	268.3	267.9	267.6	267.9
115°	306.1	305.9	305.8	305.6	305.5	305.2	304.7	304.2	303.7	303.2	303.7
117.5°	340.6	340.1	339.6	339.1	338.8	338.6	338.1	337.6	337.1	336.6	337.1
120°	374.5	374.5	374.5	374.5	374.5	374.2	373.7	373.2	372.7	372.2	372.7
122.5°	410.4	409.9	409.4	408.9	408.6	408.4	408.1	407.8	407.4	407.1	407.4
125°	445.2	444.7	444.2	443.7	443.5	443.4	443.2	443.1	442.9	442.7	442.9
127.5°	479.1	478.5	477.8	477.1	476.8	476.5	476.0	475.5	475.0	474.5	475.0
130°	513.6	513.3	512.9	512.6	512.4	512.1	511.4	510.7	510.1	509.4	510.1
132.5°	548.0	547.1	546.3	545.4	545.0	544.8	544.3	543.8	543.3	542.8	543.3
135°	580.5	580.3	580.2	580.0	579.9	579.6	579.1	578.6	578.1	577.6	578.1
137.5°	612.3	612.1	612.0	611.8	611.7	611.4	610.7	610.0	609.4	608.7	609.4
140°	644.3	644.3	644.3	644.3	644.3	644.0	643.3	642.6	642.0	641.3	642.0
142.5°	673.3	673.5	673.6	673.8	673.9	673.6	672.9	672.2	671.6	670.9	671.6
145°	702.9	703.1	703.2	703.4	703.5	703.2	702.5	701.8	701.1	700.4	701.1
147.5°	728.8	729.2	729.5	729.8	730.0	729.7	729.0	728.3	727.7	727.0	727.7
150°	753.2	753.7	754.2	754.7	755.0	754.7	754.2	753.7	753.2	752.7	753.2
152.5°	777.7	778.3	779.0	779.7	780.0	779.7	779.0	778.3	777.7	777.0	777.7
155°	797.5	798.4	799.2	800.1	800.5	800.2	799.7	799.2	798.7	798.2	798.7
157.5°	816.9	818.1	819.2	820.4	821.0	820.6	819.7	818.9	818.0	817.2	818.0
160°	834.1	835.1	836.1	837.1	837.6	837.3	836.6	835.9	835.3	834.6	835.3
162.5°	849.5	850.7	851.8	853.0	853.6	853.2	852.3	851.5	850.6	849.8	850.6
165°	862.3	863.5	864.7	865.9	866.5	866.1	865.2	864.4	863.5	862.7	863.5
167.5°	873.7	874.9	876.0	877.2	877.8	877.4	876.5	875.7	874.8	874.0	874.8
170°	882.8	884.0	885.1	886.3	886.9	886.4	885.4	884.4	883.4	882.4	883.4
172.5°	889.6	890.8	891.9	893.1	893.7	893.2	892.2	891.2	890.2	889.2	890.2
175°	894.2	895.4	896.5	897.7	898.3	897.8	896.8	895.7	894.7	893.7	894.7
177.5°	897.0	898.0	899.1	900.1	900.6	900.1	899.1	898.0	897.0	896.0	897.0
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_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°	25.4	25.3	25.1	25.0	25.2	25.5	25.8	26.2	26.5	22.8	19.1
92.5°	24.3	24.3	24.3	24.3	24.2	24.0	23.9	23.7	23.5	23.3	23.1
95°	47.7	48.0	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.2	47.8
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.1	74.5
100°	104.2	104.4	104.5	104.6	104.6	104.6	104.6	104.6	104.6	104.1	103.6
102.5°	136.0	136.2	136.3	136.4	136.3	136.2	136.0	135.9	135.7	135.0	134.4
105°	168.3	168.3	168.3	168.3	168.1	167.8	167.5	167.1	166.8	166.5	166.1
107.5°	199.5	200.4	201.2	201.6	201.5	201.4	201.2	201.1	200.9	200.9	200.9
110°	234.5	235.0	235.5	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	268.3	268.6	268.9	269.1	269.4	269.9	270.4	270.9	271.4	271.6	271.7
115°	304.2	304.7	305.2	305.5	305.6	305.8	305.9	306.1	306.3	306.6	307.0
117.5°	337.6	338.1	338.6	338.8	339.1	339.6	340.1	340.6	341.1	341.9	342.8
120°	373.2	373.7	374.2	374.5	374.5	374.5	374.5	374.5	374.5	375.8	377.2
122.5°	407.8	408.1	408.4	408.6	408.9	409.4	409.9	410.4	410.9	411.7	412.6
125°	443.1	443.2	443.4	443.5	443.7	444.2	444.7	445.2	445.7	446.2	446.7
127.5°	475.5	476.0	476.5	476.8	477.1	477.8	478.5	479.1	479.8	480.5	481.2
130°	510.7	511.4	512.1	512.4	512.6	512.9	513.3	513.6	514.0	514.3	514.7
132.5°	543.8	544.3	544.8	545.0	545.4	546.3	547.1	548.0	548.8	548.6	548.5
135°	578.6	579.1	579.6	579.9	580.0	580.2	580.3	580.5	580.7	580.3	580.0
137.5°	610.0	610.7	611.4	611.7	611.8	612.0	612.1	612.3	612.5	612.2	611.8
140°	642.6	643.3	644.0	644.3	644.3	644.3	644.3	644.3	644.3	643.5	642.7
142.5°	672.2	672.9	673.6	673.9	673.8	673.6	673.5	673.3	673.1	672.6	672.1
145°	701.8	702.5	703.2	703.5	703.4	703.2	703.1	702.9	702.7	701.7	700.7
147.5°	728.3	729.0	729.7	730.0	729.8	729.5	729.2	728.8	728.5	727.8	727.2
150°	753.7	754.2	754.7	755.0	754.7	754.2	753.7	753.2	752.7	752.0	751.4
152.5°	778.3	779.0	779.7	780.0	779.7	779.0	778.3	777.7	777.0	776.2	775.3
155°	799.2	799.7	800.2	800.5	800.1	799.2	798.4	797.5	796.7	796.2	795.7
157.5°	818.9	819.7	820.6	821.0	820.4	819.2	818.1	816.9	815.7	815.3	815.0
160°	835.9	836.6	837.3	837.6	837.1	836.1	835.1	834.1	833.1	832.9	832.7
162.5°	851.5	852.3	853.2	853.6	853.0	851.8	850.7	849.5	848.3	848.1	847.9
165°	864.4	865.2	866.1	866.5	865.9	864.7	863.5	862.3	861.1	861.1	861.1
167.5°	875.7	876.5	877.4	877.8	877.2	876.0	874.9	873.7	872.5	872.5	872.5
170°	884.4	885.4	886.4	886.9	886.3	885.1	884.0	882.8	881.6	881.8	882.0
172.5°	891.2	892.2	893.2	893.7	893.1	891.9	890.8	889.6	888.4	888.6	888.8
175°	895.7	896.8	897.8	898.3	897.7	896.5	895.4	894.2	893.0	893.3	893.7
177.5°	898.0	899.1	900.1	900.6	900.1	899.1	898.0	897.0	896.0	896.3	896.7
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

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°	15.4	11.7	9.9	8.9	6.9	4.8	2.8	0.8	2.8	4.8	6.9
92.5°	23.0	22.8	22.7	22.0	20.7	19.4	18.0	16.7	18.0	19.4	20.7
95°	47.5	47.2	47.0	46.2	44.5	42.8	41.1	39.4	41.1	42.8	44.5
97.5°	73.8	73.1	72.8	72.0	70.5	69.0	67.5	66.0	67.5	69.0	70.5
100°	103.1	102.6	102.3	101.6	100.3	99.0	97.6	96.3	97.6	99.0	100.3
102.5°	133.7	133.0	132.7	132.2	131.2	130.1	129.1	128.1	129.1	130.1	131.2
105°	165.8	165.5	165.3	165.0	164.5	164.0	163.5	163.0	163.5	164.0	164.5
107.5°	200.9	200.9	200.9	200.6	199.9	199.2	198.6	197.9	198.6	199.2	199.9
110°	235.8	235.8	235.8	235.3	234.3	233.2	232.2	231.2	232.2	233.2	234.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	271.9	272.0	272.1	271.6	270.6	269.6	268.6	267.6	268.6	269.6	270.6
115°	307.3	307.6	307.8	307.3	306.3	305.2	304.2	303.2	304.2	305.2	306.3
117.5°	343.6	344.5	344.9	344.2	342.9	341.5	340.2	338.8	340.2	341.5	342.9
120°	378.5	379.8	380.5	379.8	378.5	377.2	375.8	374.5	375.8	377.2	378.5
122.5°	413.4	414.3	414.7	413.9	412.2	410.5	408.8	407.1	408.8	410.5	412.2
125°	447.2	447.7	448.0	447.2	445.7	444.2	442.7	441.2	442.7	444.2	445.7
127.5°	481.9	482.6	482.9	482.0	480.1	478.2	476.4	474.5	476.4	478.2	480.1
130°	515.0	515.3	515.5	514.4	512.2	510.0	507.8	505.6	507.8	510.0	512.2
132.5°	548.3	548.2	548.1	547.3	545.6	543.9	542.2	540.5	542.2	543.9	545.6
135°	579.6	579.3	579.1	578.2	576.3	574.5	572.6	570.8	572.6	574.5	576.3
137.5°	611.5	611.2	611.0	610.2	608.7	607.2	605.7	604.2	605.7	607.2	608.7
140°	641.8	641.0	640.6	639.8	638.3	636.8	635.2	633.7	635.2	636.8	638.3
142.5°	671.6	671.1	670.9	670.1	668.6	667.1	665.6	664.1	665.6	667.1	668.6
145°	699.7	698.7	698.2	697.6	696.4	695.3	694.1	692.9	694.1	695.3	696.4
147.5°	726.5	725.8	725.5	724.7	723.2	721.7	720.1	718.6	720.1	721.7	723.2
150°	750.7	750.0	749.7	749.2	748.2	747.2	746.2	745.2	746.2	747.2	748.2
152.5°	774.5	773.6	773.2	772.7	771.7	770.7	769.7	768.7	769.7	770.7	771.7
155°	795.2	794.7	794.4	794.2	793.7	793.2	792.7	792.2	792.7	793.2	793.7
157.5°	814.6	814.3	814.1	813.9	813.6	813.3	812.9	812.6	812.9	813.3	813.6
160°	832.6	832.4	832.3	832.1	831.8	831.5	831.1	830.8	831.1	831.5	831.8
162.5°	847.8	847.6	847.5	847.5	847.5	847.5	847.5	847.5	847.5	847.5	847.5
165°	861.1	861.1	861.1	861.2	861.4	861.5	861.7	861.9	861.7	861.5	861.4
167.5°	872.5	872.5	872.5	872.8	873.3	873.8	874.3	874.8	874.3	873.8	873.3
170°	882.1	882.3	882.4	882.6	883.1	883.6	884.1	884.6	884.1	883.6	883.1
172.5°	888.9	889.1	889.2	889.5	890.0	890.5	891.0	891.5	891.0	890.5	890.0
175°	894.0	894.3	894.5	894.8	895.3	895.8	896.3	896.8	896.3	895.8	895.3
177.5°	897.0	897.3	897.5	897.8	898.3	898.8	899.3	899.8	899.3	898.8	898.3
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_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°	8.9	9.9	11.7	15.4	19.1	22.8	26.5	26.2	25.8	25.5	25.2
92.5°	22.0	22.7	22.8	23.0	23.1	23.3	23.5	23.7	23.9	24.0	24.2
95°	46.2	47.0	47.2	47.5	47.8	48.2	48.5	48.5	48.5	48.5	48.5
97.5°	72.0	72.8	73.1	73.8	74.5	75.1	75.8	75.8	75.8	75.8	75.8
100°	101.6	102.3	102.6	103.1	103.6	104.1	104.6	104.6	104.6	104.6	104.6
102.5°	132.2	132.7	133.0	133.7	134.4	135.0	135.7	135.9	136.0	136.2	136.3
105°	165.0	165.3	165.5	165.8	166.1	166.5	166.8	167.1	167.5	167.8	168.1
107.5°	200.6	200.9	200.9	200.9	200.9	200.9	200.9	201.1	201.2	201.4	201.5
110°	235.3	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	271.6	272.1	272.0	271.9	271.7	271.6	271.4	270.9	270.4	269.9	269.4
115°	307.3	307.8	307.6	307.3	307.0	306.6	306.3	306.1	305.9	305.8	305.6
117.5°	344.2	344.9	344.5	343.6	342.8	341.9	341.1	340.6	340.1	339.6	339.1
120°	379.8	380.5	379.8	378.5	377.2	375.8	374.5	374.5	374.5	374.5	374.5
122.5°	413.9	414.7	414.3	413.4	412.6	411.7	410.9	410.4	409.9	409.4	408.9
125°	447.2	448.0	447.7	447.2	446.7	446.2	445.7	445.2	444.7	444.2	443.7
127.5°	482.0	482.9	482.6	481.9	481.2	480.5	479.8	479.1	478.5	477.8	477.1
130°	514.4	515.5	515.3	515.0	514.7	514.3	514.0	513.6	513.3	512.9	512.6
132.5°	547.3	548.1	548.2	548.3	548.5	548.6	548.8	548.0	547.1	546.3	545.4
135°	578.2	579.1	579.3	579.6	580.0	580.3	580.7	580.5	580.3	580.2	580.0
137.5°	610.2	611.0	611.2	611.5	611.8	612.2	612.5	612.3	612.1	612.0	611.8
140°	639.8	640.6	641.0	641.8	642.7	643.5	644.3	644.3	644.3	644.3	644.3
142.5°	670.1	670.9	671.1	671.6	672.1	672.6	673.1	673.3	673.5	673.6	673.8
145°	697.6	698.2	698.7	699.7	700.7	701.7	702.7	702.9	703.1	703.2	703.4
147.5°	724.7	725.5	725.8	726.5	727.2	727.8	728.5	728.8	729.2	729.5	729.8
150°	749.2	749.7	750.0	750.7	751.4	752.0	752.7	753.2	753.7	754.2	754.7
152.5°	772.7	773.2	773.6	774.5	775.3	776.2	777.0	777.7	778.3	779.0	779.7
155°	794.2	794.4	794.7	795.2	795.7	796.2	796.7	797.5	798.4	799.2	800.1
157.5°	813.9	814.1	814.3	814.6	815.0	815.3	815.7	816.9	818.1	819.2	820.4
160°	832.1	832.3	832.4	832.6	832.7	832.9	833.1	834.1	835.1	836.1	837.1
162.5°	847.5	847.5	847.6	847.8	847.9	848.1	848.3	849.5	850.7	851.8	853.0
165°	861.2	861.1	861.1	861.1	861.1	861.1	861.1	862.3	863.5	864.7	865.9
167.5°	872.8	872.5	872.5	872.5	872.5	872.5	872.5	873.7	874.9	876.0	877.2
170°	882.6	882.4	882.3	882.1	882.0	881.8	881.6	882.8	884.0	885.1	886.3
172.5°	889.5	889.2	889.1	888.9	888.8	888.6	888.4	889.6	890.8	891.9	893.1
175°	894.8	894.5	894.3	894.0	893.7	893.3	893.0	894.2	895.4	896.5	897.7
177.5°	897.8	897.5	897.3	897.0	896.7	896.3	896.0	897.0	898.0	899.1	900.1
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

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°	25.0	25.1	25.3	25.4	25.6	25.8	25.6	25.4	25.3	25.1	25.0
92.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.5	48.3	48.0	47.7	47.3	47.0	47.3	47.7	48.0	48.3	48.5
97.5°	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100°	104.6	104.5	104.4	104.2	104.1	103.9	104.1	104.2	104.4	104.5	104.6
102.5°	136.4	136.3	136.2	136.0	135.9	135.7	135.9	136.0	136.2	136.3	136.4
105°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
107.5°	201.6	201.2	200.4	199.5	198.7	197.9	198.7	199.5	200.4	201.2	201.6
110°	235.8	235.5	235.0	234.5	234.0	233.5	234.0	234.5	235.0	235.5	235.8

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	269.1	268.9	268.6	268.3	267.9	267.6	267.9	268.3	268.6	268.9	269.1
115°	305.5	305.2	304.7	304.2	303.7	303.2	303.7	304.2	304.7	305.2	305.5
117.5°	338.8	338.6	338.1	337.6	337.1	336.6	337.1	337.6	338.1	338.6	338.8
120°	374.5	374.2	373.7	373.2	372.7	372.2	372.7	373.2	373.7	374.2	374.5
122.5°	408.6	408.4	408.1	407.8	407.4	407.1	407.4	407.8	408.1	408.4	408.6
125°	443.5	443.4	443.2	443.1	442.9	442.7	442.9	443.1	443.2	443.4	443.5
127.5°	476.8	476.5	476.0	475.5	475.0	474.5	475.0	475.5	476.0	476.5	476.8
130°	512.4	512.1	511.4	510.7	510.1	509.4	510.1	510.7	511.4	512.1	512.4
132.5°	545.0	544.8	544.3	543.8	543.3	542.8	543.3	543.8	544.3	544.8	545.0
135°	579.9	579.6	579.1	578.6	578.1	577.6	578.1	578.6	579.1	579.6	579.9
137.5°	611.7	611.4	610.7	610.0	609.4	608.7	609.4	610.0	610.7	611.4	611.7
140°	644.3	644.0	643.3	642.6	642.0	641.3	642.0	642.6	643.3	644.0	644.3
142.5°	673.9	673.6	672.9	672.2	671.6	670.9	671.6	672.2	672.9	673.6	673.9
145°	703.5	703.2	702.5	701.8	701.1	700.4	701.1	701.8	702.5	703.2	703.5
147.5°	730.0	729.7	729.0	728.3	727.7	727.0	727.7	728.3	729.0	729.7	730.0
150°	755.0	754.7	754.2	753.7	753.2	752.7	753.2	753.7	754.2	754.7	755.0
152.5°	780.0	779.7	779.0	778.3	777.7	777.0	777.7	778.3	779.0	779.7	780.0
155°	800.5	800.2	799.7	799.2	798.7	798.2	798.7	799.2	799.7	800.2	800.5
157.5°	821.0	820.6	819.7	818.9	818.0	817.2	818.0	818.9	819.7	820.6	821.0
160°	837.6	837.3	836.6	835.9	835.3	834.6	835.3	835.9	836.6	837.3	837.6
162.5°	853.6	853.2	852.3	851.5	850.6	849.8	850.6	851.5	852.3	853.2	853.6
165°	866.5	866.1	865.2	864.4	863.5	862.7	863.5	864.4	865.2	866.1	866.5
167.5°	877.8	877.4	876.5	875.7	874.8	874.0	874.8	875.7	876.5	877.4	877.8
170°	886.9	886.4	885.4	884.4	883.4	882.4	883.4	884.4	885.4	886.4	886.9
172.5°	893.7	893.2	892.2	891.2	890.2	889.2	890.2	891.2	892.2	893.2	893.7
175°	898.3	897.8	896.8	895.7	894.7	893.7	894.7	895.7	896.8	897.8	898.3
177.5°	900.6	900.1	899.1	898.0	897.0	896.0	897.0	898.0	899.1	900.1	900.6
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_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°	25.2	25.5	25.8	26.2	26.5	22.8	19.1	15.4	11.7	9.9	8.9
92.5°	24.2	24.0	23.9	23.7	23.5	23.3	23.1	23.0	22.8	22.7	22.0
95°	48.5	48.5	48.5	48.5	48.5	48.2	47.8	47.5	47.2	47.0	46.2
97.5°	75.8	75.8	75.8	75.8	75.8	75.1	74.5	73.8	73.1	72.8	72.0
100°	104.6	104.6	104.6	104.6	104.6	104.1	103.6	103.1	102.6	102.3	101.6
102.5°	136.3	136.2	136.0	135.9	135.7	135.0	134.4	133.7	133.0	132.7	132.2
105°	168.1	167.8	167.5	167.1	166.8	166.5	166.1	165.8	165.5	165.3	165.0
107.5°	201.5	201.4	201.2	201.1	200.9	200.9	200.9	200.9	200.9	200.9	200.6
110°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	269.4	269.9	270.4	270.9	271.4	271.6	271.7	271.9	272.0	272.1	271.6
115°	305.6	305.8	305.9	306.1	306.3	306.6	307.0	307.3	307.6	307.8	307.3
117.5°	339.1	339.6	340.1	340.6	341.1	341.9	342.8	343.6	344.5	344.9	344.2
120°	374.5	374.5	374.5	374.5	374.5	375.8	377.2	378.5	379.8	380.5	379.8
122.5°	408.9	409.4	409.9	410.4	410.9	411.7	412.6	413.4	414.3	414.7	413.9
125°	443.7	444.2	444.7	445.2	445.7	446.2	446.7	447.2	447.7	448.0	447.2
127.5°	477.1	477.8	478.5	479.1	479.8	480.5	481.2	481.9	482.6	482.9	482.0
130°	512.6	512.9	513.3	513.6	514.0	514.3	514.7	515.0	515.3	515.5	514.4
132.5°	545.4	546.3	547.1	548.0	548.8	548.6	548.5	548.3	548.2	548.1	547.3
135°	580.0	580.2	580.3	580.5	580.7	580.3	580.0	579.6	579.3	579.1	578.2
137.5°	611.8	612.0	612.1	612.3	612.5	612.2	611.8	611.5	611.2	611.0	610.2
140°	644.3	644.3	644.3	644.3	644.3	643.5	642.7	641.8	641.0	640.6	639.8
142.5°	673.8	673.6	673.5	673.3	673.1	672.6	672.1	671.6	671.1	670.9	670.1
145°	703.4	703.2	703.1	702.9	702.7	701.7	700.7	699.7	698.7	698.2	697.6
147.5°	729.8	729.5	729.2	728.8	728.5	727.8	727.2	726.5	725.8	725.5	724.7
150°	754.7	754.2	753.7	753.2	752.7	752.0	751.4	750.7	750.0	749.7	749.2
152.5°	779.7	779.0	778.3	777.7	777.0	776.2	775.3	774.5	773.6	773.2	772.7
155°	800.1	799.2	798.4	797.5	796.7	796.2	795.7	795.2	794.7	794.4	794.2
157.5°	820.4	819.2	818.1	816.9	815.7	815.3	815.0	814.6	814.3	814.1	813.9
160°	837.1	836.1	835.1	834.1	833.1	832.9	832.7	832.6	832.4	832.3	832.1
162.5°	853.0	851.8	850.7	849.5	848.3	848.1	847.9	847.8	847.6	847.5	847.5
165°	865.9	864.7	863.5	862.3	861.1	861.1	861.1	861.1	861.1	861.1	861.2
167.5°	877.2	876.0	874.9	873.7	872.5	872.5	872.5	872.5	872.5	872.5	872.8
170°	886.3	885.1	884.0	882.8	881.6	881.8	882.0	882.1	882.3	882.4	882.6
172.5°	893.1	891.9	890.8	889.6	888.4	888.6	888.8	888.9	889.1	889.2	889.5
175°	897.7	896.5	895.4	894.2	893.0	893.3	893.7	894.0	894.3	894.5	894.8
177.5°	900.1	899.1	898.0	897.0	896.0	896.3	896.7	897.0	897.3	897.5	897.8
180°	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3	898.3

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_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°	6.9	4.8	2.8	0.8
92.5°	20.7	19.4	18.0	16.7
95°	44.5	42.8	41.1	39.4
97.5°	70.5	69.0	67.5	66.0
100°	100.3	99.0	97.6	96.3
102.5°	131.2	130.1	129.1	128.1
105°	164.5	164.0	163.5	163.0
107.5°	199.9	199.2	198.6	197.9
110°	234.3	233.2	232.2	231.2

TEST NUMBER: P1029246

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	270.6	269.6	268.6	267.6
115°	306.3	305.2	304.2	303.2
117.5°	342.9	341.5	340.2	338.8
120°	378.5	377.2	375.8	374.5
122.5°	412.2	410.5	408.8	407.1
125°	445.7	444.2	442.7	441.2
127.5°	480.1	478.2	476.4	474.5
130°	512.2	510.0	507.8	505.6
132.5°	545.6	543.9	542.2	540.5
135°	576.3	574.5	572.6	570.8
137.5°	608.7	607.2	605.7	604.2
140°	638.3	636.8	635.2	633.7
142.5°	668.6	667.1	665.6	664.1
145°	696.4	695.3	694.1	692.9
147.5°	723.2	721.7	720.1	718.6
150°	748.2	747.2	746.2	745.2
152.5°	771.7	770.7	769.7	768.7
155°	793.7	793.2	792.7	792.2
157.5°	813.6	813.3	812.9	812.6
160°	831.8	831.5	831.1	830.8
162.5°	847.5	847.5	847.5	847.5
165°	861.4	861.5	861.7	861.9
167.5°	873.3	873.8	874.3	874.8
170°	883.1	883.6	884.1	884.6
172.5°	890.0	890.5	891.0	891.5
175°	895.3	895.8	896.3	896.8
177.5°	898.3	898.8	899.3	899.8
180°	898.3	898.3	898.3	898.3

(END OF REPORT)