

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: P1029248

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029248
REPORT IS A COMBINATION OF REPORTS P985301 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_5000K
Description: Define 2 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

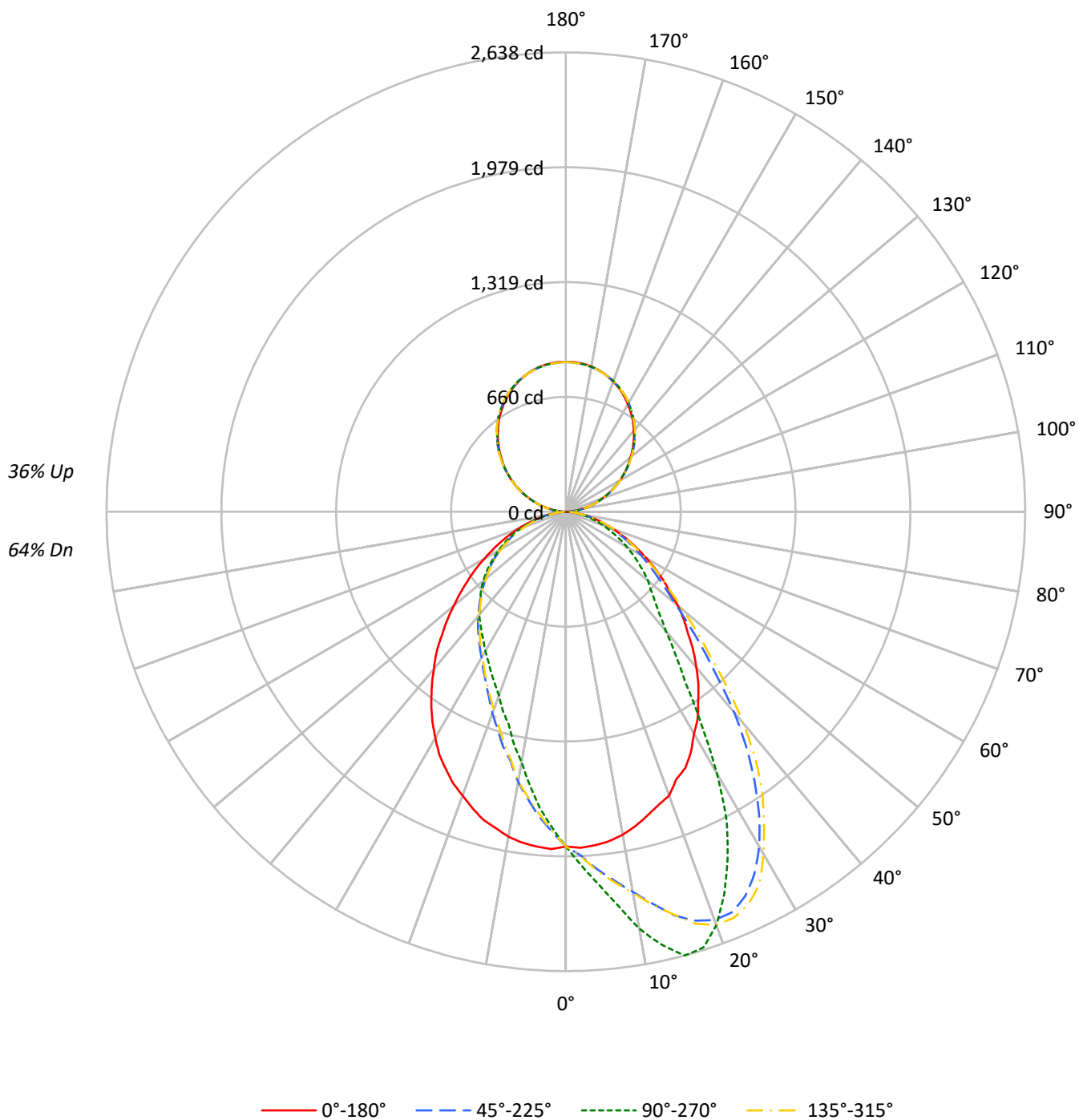
Lumens per Lamp: N/A
Luminaire Lumens: 6646.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30413	30413	30413	30413
5°	30486	32427	30603	25799
10°	30132	35400	30321	21271
15°	29401	37339	29809	17916
20°	28943	35058	28943	15573
25°	28020	30119	28148	13925
30°	26503	23676	27007	12614
35°	25158	16372	25578	11542
40°	23613	12361	23882	10686
45°	21707	10158	22061	9762
50°	20059	8915	20095	8937
55°	18181	7596	18298	8040
60°	16177	6345	16401	7017
65°	14383	5161	14646	5992
70°	12598	4049	12919	4833
75°	10573	2940	10987	3505
80°	8255	1863	8846	2079
85°	5424	938	5848	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 31439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	2.8
10°-20°	532.6	8.0
20°-30°	773.0	11.6
30°-40°	814.9	12.3
40°-50°	721.1	10.9
50°-60°	575.8	8.7
60°-70°	391.1	5.9
70°-80°	200.1	3.0
80°-90°	49.7	0.7
90°-100°	53.2	0.8
100°-110°	169.1	2.5
110°-120°	289.4	4.4
120°-130°	380.6	5.7
130°-140°	427.2	6.4
140°-150°	419.0	6.3
150°-160°	351.4	5.3
160°-170°	233.1	3.5
170°-180°	81.5	1.2
0°-30°	1488.7	22.4
0°-40°	2303.6	34.7
0°-60°	3600.5	54.2
0°-90°	4241.5	63.8
90°-120°	511.8	7.7
90°-150°	1738.6	26.2
90°-180°	2405.0	36.2
0°-180°	6646.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1921	1921	1921	1921	1921	
5°	1923	2146	1930	1707	1923	182
15°	1806	2638	1831	1266	1806	510
25°	1623	2198	1630	1016	1623	742
35°	1325	1196	1347	843	1325	829
45°	994	721	1010	693	994	771
55°	682	506	687	536	682	609
65°	405	312	412	362	405	402
75°	189	154	196	183	189	203
85°	38	40	41	30	38	45
90°	1	25	1	25	1	5
95°	38	45	38	45	38	42
105°	156	161	156	161	156	165
115°	290	290	290	290	290	287
125°	422	424	422	424	422	377
135°	546	553	546	553	546	422
145°	663	671	663	671	663	414
155°	758	764	758	764	758	349
165°	825	826	825	826	825	233
175°	859	856	859	856	859	82
180°	860	860	860	860	860	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1931.6	1936.1	1943.5	1944.9	1959.7	1971.5	1984.8	1984.8	1989.2	1987.8	1976.0
5°	1922.8	1936.1	1955.3	1971.5	1998.1	2009.9	2027.6	2040.9	2052.7	2061.6	2060.1
7.5°	1908.0	1931.6	1959.7	1990.7	2026.2	2046.8	2071.9	2095.6	2111.8	2126.6	2136.9
10°	1882.9	1922.8	1961.2	2002.5	2048.3	2076.4	2105.9	2136.9	2162.0	2190.1	2216.7
12.5°	1848.9	1906.5	1953.8	2008.4	2064.6	2095.6	2142.8	2166.5	2215.2	2286.1	2305.3
15°	1806.1	1884.4	1928.7	1998.1	2071.9	2097.1	2162.0	2200.4	2300.8	2345.2	2398.3
17.5°	1766.2	1853.4	1912.5	1992.2	2064.6	2113.3	2176.8	2255.1	2339.2	2402.7	2461.8
20°	1733.8	1817.9	1888.8	1977.4	2069.0	2131.0	2197.5	2292.0	2383.5	2448.5	2494.3
22.5°	1659.9	1767.7	1850.4	1949.4	2060.1	2145.8	2209.3	2312.7	2411.6	2451.5	2491.4
25°	1623.0	1716.0	1812.0	1924.3	2054.2	2156.1	2210.8	2326.0	2413.1	2427.9	2436.7
27.5°	1555.1	1659.9	1772.2	1900.6	2052.7	2138.4	2207.8	2312.7	2382.1	2371.7	2345.2
30°	1470.9	1599.4	1723.4	1862.2	2032.1	2125.1	2190.1	2286.1	2321.5	2268.4	2221.1
32.5°	1408.9	1530.0	1667.3	1828.3	2008.4	2097.1	2160.6	2235.9	2243.3	2147.3	2067.5
35°	1324.7	1459.1	1614.1	1784.0	1968.6	2048.3	2107.4	2153.2	2117.7	1983.3	1888.8
37.5°	1249.4	1382.3	1547.7	1720.5	1913.9	1992.2	2039.5	2046.8	1959.7	1841.6	1702.7
40°	1166.7	1304.0	1476.8	1658.4	1853.4	1921.3	1950.8	1928.7	1803.2	1665.8	1504.9
42.5°	1084.0	1219.8	1405.9	1592.0	1776.6	1834.2	1846.0	1785.4	1631.9	1470.9	1284.8
45°	993.9	1135.7	1321.7	1509.3	1688.0	1720.5	1721.9	1634.8	1453.2	1284.8	1112.0
47.5°	920.0	1051.5	1236.1	1423.6	1574.3	1596.4	1587.6	1487.1	1289.2	1100.2	949.6
50°	838.8	964.3	1147.5	1332.1	1460.6	1466.5	1444.3	1301.1	1107.6	934.8	815.2
52.5°	751.7	878.7	1047.0	1224.3	1339.5	1330.6	1287.8	1134.2	952.5	809.3	717.7
55°	682.3	794.5	952.5	1125.3	1206.5	1181.4	1134.2	977.6	834.4	713.3	633.5
57.5°	605.5	704.4	859.5	1010.1	1057.4	1033.8	986.5	840.3	707.4	615.8	562.7
60°	533.1	623.2	759.1	884.6	921.5	896.4	841.8	710.3	614.3	537.6	497.7
62.5°	466.7	544.9	658.7	773.8	788.6	763.5	716.2	609.9	527.2	466.7	437.1
65°	404.6	478.5	570.0	657.2	670.5	643.9	595.1	518.4	448.9	410.5	382.5
67.5°	344.1	403.2	484.4	547.9	555.3	530.2	490.3	428.3	385.4	344.1	323.4
70°	290.9	335.2	398.7	450.4	453.4	429.7	409.1	353.0	320.5	290.9	274.7
72.5°	239.2	270.3	319.0	357.4	358.9	344.1	324.9	289.5	261.4	240.7	224.5
75°	189.0	215.6	245.1	279.1	277.6	265.8	251.1	228.9	205.3	192.0	184.6
77.5°	144.7	161.0	184.6	206.8	206.8	200.8	192.0	175.7	161.0	147.7	140.3
80°	103.4	113.7	132.9	140.3	143.2	141.8	134.4	122.6	116.7	106.3	103.4
82.5°	66.5	73.8	82.7	90.1	94.5	91.6	90.1	84.2	75.3	72.4	69.4
85°	38.4	41.4	45.8	50.2	51.7	50.2	53.2	48.7	44.3	44.3	42.8
87.5°	16.2	17.7	20.7	20.7	22.2	22.2	20.7	22.2	22.2	20.7	19.2
90°	0.7	2.6	4.6	6.5	8.4	9.4	11.2	14.7	18.3	21.8	25.4
92.5°	16.0	17.3	18.6	19.9	21.2	21.8	21.9	22.0	22.2	22.3	22.5
95°	37.7	39.3	40.9	42.6	44.2	45.0	45.2	45.5	45.8	46.2	46.5
97.5°	63.1	64.6	66.0	67.5	69.0	69.7	70.0	70.7	71.3	72.0	72.6
100°	92.2	93.5	94.8	96.1	97.4	98.0	98.2	98.7	99.2	99.7	100.2
102.5°	122.7	123.7	124.6	125.6	126.5	127.0	127.3	128.0	128.6	129.3	129.9
105°	156.0	156.5	157.0	157.5	158.0	158.2	158.4	158.7	159.0	159.4	159.7
107.5°	189.4	190.0	190.7	191.3	192.0	192.3	192.3	192.3	192.3	192.3	192.3
110°	221.4	222.4	223.3	224.3	225.2	225.7	225.7	225.7	225.7	225.7	225.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	256.2	257.2	258.2	259.1	260.1	260.6	260.5	260.3	260.2	260.0	259.8
115°	290.3	291.3	292.3	293.2	294.2	294.7	294.5	294.2	293.9	293.5	293.2
117.5°	324.4	325.7	327.0	328.3	329.6	330.2	329.8	329.0	328.2	327.4	326.6
120°	358.5	359.8	361.1	362.4	363.7	364.3	363.7	362.4	361.1	359.8	358.5
122.5°	389.7	391.3	392.9	394.6	396.2	397.0	396.6	395.8	395.0	394.2	393.4
125°	422.4	423.8	425.3	426.7	428.2	428.9	428.7	428.2	427.7	427.3	426.8
127.5°	454.3	456.1	457.9	459.6	461.4	462.3	462.0	461.3	460.7	460.0	459.4
130°	484.1	486.2	488.3	490.4	492.5	493.5	493.3	493.0	492.7	492.4	492.1
132.5°	517.5	519.1	520.7	522.3	523.9	524.7	524.8	525.0	525.1	525.3	525.5
135°	546.5	548.3	550.1	551.8	553.6	554.5	554.7	555.0	555.3	555.7	556.0
137.5°	578.5	579.9	581.4	582.8	584.3	585.0	585.2	585.5	585.8	586.1	586.4
140°	606.8	608.2	609.7	611.1	612.6	613.3	613.7	614.5	615.3	616.1	616.9
142.5°	635.8	637.2	638.7	640.1	641.6	642.3	642.5	643.0	643.5	644.0	644.5
145°	663.4	664.5	665.6	666.7	667.8	668.4	668.9	669.9	670.8	671.8	672.8
147.5°	688.0	689.5	690.9	692.4	693.9	694.6	694.9	695.6	696.2	696.9	697.5
150°	713.4	714.4	715.4	716.3	717.3	717.8	718.1	718.8	719.4	720.1	720.7
152.5°	735.9	736.9	737.9	738.8	739.8	740.3	740.7	741.5	742.3	743.1	743.9
155°	758.4	758.9	759.4	759.9	760.4	760.6	760.8	761.3	761.8	762.3	762.8
157.5°	778.0	778.3	778.7	779.0	779.3	779.5	779.7	780.0	780.3	780.6	780.9
160°	795.5	795.8	796.1	796.4	796.7	796.9	797.0	797.1	797.3	797.4	797.6
162.5°	811.4	811.4	811.4	811.4	811.4	811.4	811.5	811.7	811.8	812.0	812.2
165°	825.2	825.0	824.9	824.7	824.6	824.5	824.5	824.5	824.5	824.5	824.5
167.5°	837.6	837.1	836.6	836.1	835.6	835.4	835.4	835.4	835.4	835.4	835.4
170°	847.0	846.5	846.0	845.5	845.0	844.8	844.7	844.6	844.4	844.3	844.1
172.5°	853.5	853.0	852.5	852.0	851.5	851.3	851.2	851.1	850.9	850.8	850.6
175°	858.6	858.1	857.6	857.1	856.6	856.4	856.2	855.9	855.6	855.3	855.0
177.5°	861.5	861.0	860.5	860.0	859.5	859.3	859.1	858.8	858.5	858.2	857.9
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1996.6	1998.1	2001.1	2015.8	2023.2	2024.7	2018.8	2032.1	2036.5	2032.1	2029.1
5°	2091.1	2100.0	2117.7	2136.9	2135.4	2136.9	2145.8	2154.6	2157.6	2145.8	2150.2
7.5°	2173.8	2191.6	2210.8	2240.3	2240.3	2255.1	2261.0	2268.4	2286.1	2277.2	2274.3
10°	2268.4	2292.0	2327.4	2374.7	2376.2	2390.9	2405.7	2429.3	2436.7	2430.8	2433.8
12.5°	2386.5	2432.3	2435.2	2486.9	2510.6	2513.5	2537.1	2532.7	2547.5	2547.5	2572.6
15°	2438.2	2509.1	2549.0	2599.2	2613.9	2596.2	2615.4	2636.1	2637.6	2637.6	2636.1
17.5°	2531.2	2559.3	2599.2	2625.7	2631.7	2631.7	2633.1	2642.0	2636.1	2624.3	2633.1
20°	2550.4	2562.2	2577.0	2574.1	2577.0	2562.2	2547.5	2532.7	2534.2	2526.8	2549.0
22.5°	2515.0	2512.0	2478.1	2455.9	2455.9	2426.4	2398.3	2385.0	2371.7	2376.2	2383.5
25°	2426.4	2380.6	2339.2	2306.8	2299.4	2252.1	2213.7	2201.9	2179.8	2197.5	2200.4
27.5°	2284.6	2232.9	2166.5	2138.4	2100.0	2080.8	2054.2	2018.8	1973.0	1999.6	1995.2
30°	2132.5	2055.7	2001.1	1933.1	1872.6	1868.1	1817.9	1758.9	1735.2	1735.2	1748.5
32.5°	1962.7	1860.8	1781.0	1685.0	1626.0	1600.8	1540.3	1481.2	1494.5	1450.2	1466.5
35°	1764.8	1630.4	1530.0	1436.9	1392.6	1363.1	1284.8	1252.3	1216.9	1196.2	1234.6
37.5°	1575.7	1420.7	1292.2	1190.3	1174.1	1120.9	1067.7	1047.0	1026.4	1035.2	1033.8
40°	1345.4	1208.0	1092.8	1013.1	985.0	959.9	924.5	899.4	886.1	893.5	894.9
42.5°	1137.1	1021.9	936.3	880.2	856.5	838.8	821.1	800.4	796.0	796.0	801.9
45°	976.2	881.6	824.1	778.3	765.0	751.7	738.4	729.5	726.6	720.7	725.1
47.5°	847.7	772.4	736.9	703.0	688.2	685.2	673.4	669.0	663.1	661.6	663.1
50°	739.9	692.6	660.1	640.9	630.6	626.2	620.3	611.4	608.4	615.8	612.9
52.5°	664.6	620.3	602.5	583.3	577.4	571.5	562.7	564.1	562.7	559.7	559.7
55°	589.2	561.2	543.5	528.7	527.2	521.3	513.9	511.0	509.5	506.5	511.0
57.5°	528.7	506.5	490.3	477.0	471.1	471.1	463.7	457.8	457.8	456.3	457.8
60°	468.1	446.0	435.7	422.4	417.9	416.5	412.0	409.1	404.6	404.6	404.6
62.5°	412.0	394.3	382.5	370.7	372.2	364.8	358.9	355.9	355.9	357.4	357.4
65°	358.9	347.0	332.3	321.9	319.0	317.5	314.6	313.1	308.7	311.6	311.6
67.5°	310.1	293.9	285.0	280.6	276.2	274.7	271.7	268.8	267.3	265.8	268.8
70°	261.4	248.1	240.7	237.8	233.3	231.9	230.4	225.9	227.4	228.9	230.4
72.5°	217.1	205.3	203.8	194.9	194.9	194.9	189.0	192.0	190.5	187.6	190.5
75°	171.3	165.4	162.4	158.0	159.5	158.0	156.5	152.1	152.1	153.6	155.1
77.5°	135.9	130.0	128.5	124.1	121.1	124.1	121.1	119.6	119.6	121.1	121.1
80°	100.4	97.5	93.0	93.0	93.0	91.6	91.6	91.6	90.1	88.6	90.1
82.5°	66.5	66.5	65.0	63.5	65.0	62.0	63.5	63.5	63.5	63.5	63.5
85°	42.8	41.4	41.4	39.9	39.9	39.9	41.4	38.4	38.4	39.9	39.9
87.5°	19.2	19.2	19.2	20.7	19.2	19.2	19.2	20.7	19.2	19.2	19.2
90°	25.1	24.8	24.5	24.2	24.0	24.1	24.2	24.4	24.5	24.7	24.5
92.5°	22.7	22.8	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2
95°	46.5	46.5	46.5	46.5	46.5	46.3	46.0	45.7	45.3	45.0	45.3
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
100°	100.2	100.2	100.2	100.2	100.2	100.1	99.9	99.8	99.6	99.4	99.6
102.5°	130.1	130.2	130.4	130.5	130.6	130.5	130.4	130.2	130.1	129.9	130.1
105°	160.0	160.3	160.6	160.9	161.1	161.1	161.1	161.1	161.1	161.1	161.1
107.5°	192.5	192.7	192.8	193.0	193.1	192.7	191.9	191.0	190.2	189.4	190.2
110°	225.7	225.7	225.7	225.7	225.7	225.5	225.0	224.5	224.0	223.5	224.0

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	259.3	258.9	258.4	257.9	257.7	257.5	257.2	256.9	256.5	256.2	256.5
115°	293.0	292.9	292.7	292.6	292.5	292.3	291.8	291.3	290.8	290.3	290.8
117.5°	326.1	325.6	325.1	324.6	324.4	324.2	323.7	323.2	322.7	322.2	322.7
120°	358.5	358.5	358.5	358.5	358.5	358.3	357.8	357.3	356.9	356.4	356.9
122.5°	392.9	392.4	391.9	391.4	391.2	391.0	390.7	390.4	390.0	389.7	390.0
125°	426.3	425.8	425.3	424.8	424.6	424.5	424.4	424.2	424.1	423.9	424.1
127.5°	458.8	458.1	457.5	456.8	456.5	456.3	455.8	455.3	454.8	454.3	454.8
130°	491.8	491.4	491.1	490.8	490.6	490.3	489.6	489.0	488.3	487.7	488.3
132.5°	524.7	523.9	523.0	522.2	521.8	521.6	521.1	520.6	520.2	519.7	520.2
135°	555.8	555.6	555.5	555.3	555.2	555.0	554.5	554.0	553.5	553.0	553.5
137.5°	586.2	586.1	585.9	585.8	585.7	585.4	584.7	584.1	583.4	582.8	583.4
140°	616.9	616.9	616.9	616.9	616.9	616.6	615.9	615.3	614.6	614.0	614.6
142.5°	644.7	644.8	645.0	645.1	645.2	644.9	644.2	643.6	642.9	642.3	642.9
145°	673.0	673.1	673.3	673.4	673.5	673.2	672.5	671.9	671.2	670.6	671.2
147.5°	697.8	698.1	698.4	698.7	698.9	698.6	697.9	697.3	696.6	696.0	696.6
150°	721.2	721.7	722.2	722.7	722.9	722.7	722.2	721.7	721.2	720.7	721.2
152.5°	744.5	745.2	745.8	746.5	746.8	746.5	745.8	745.2	744.5	743.9	744.5
155°	763.6	764.4	765.2	766.0	766.4	766.2	765.7	765.2	764.8	764.3	764.8
157.5°	782.0	783.2	784.3	785.4	786.0	785.6	784.8	784.0	783.2	782.4	783.2
160°	798.6	799.6	800.5	801.5	802.0	801.7	801.0	800.4	799.7	799.1	799.7
162.5°	813.3	814.4	815.5	816.6	817.2	816.8	816.0	815.2	814.4	813.6	814.4
165°	825.6	826.8	827.9	829.0	829.6	829.2	828.4	827.5	826.7	825.9	826.7
167.5°	836.5	837.7	838.8	839.9	840.5	840.1	839.3	838.4	837.6	836.8	837.6
170°	845.2	846.4	847.5	848.6	849.2	848.7	847.7	846.8	845.8	844.8	845.8
172.5°	851.7	852.9	854.0	855.1	855.7	855.2	854.2	853.3	852.3	851.3	852.3
175°	856.1	857.3	858.4	859.5	860.1	859.6	858.6	857.7	856.7	855.7	856.7
177.5°	858.9	859.8	860.8	861.7	862.2	861.7	860.8	859.8	858.9	857.9	858.9
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	2036.5	2026.2	2017.3	2018.8	2026.2	2020.3	2005.5	1986.3	1978.9	1970.0	1978.9
5°	2159.1	2150.2	2132.5	2134.0	2129.5	2123.6	2100.0	2070.5	2070.5	2046.8	2043.9
7.5°	2280.2	2266.9	2255.1	2252.1	2235.9	2224.1	2203.4	2162.0	2145.8	2117.7	2101.5
10°	2416.0	2405.7	2392.4	2376.2	2367.3	2346.6	2312.7	2252.1	2222.6	2184.2	2156.1
12.5°	2553.4	2551.9	2522.4	2489.9	2488.4	2455.9	2432.3	2351.1	2311.2	2259.5	2193.0
15°	2640.5	2633.1	2616.9	2600.6	2605.1	2569.6	2516.5	2420.5	2393.9	2331.9	2261.0
17.5°	2639.0	2639.0	2634.6	2631.7	2627.2	2616.9	2587.3	2523.8	2481.0	2402.7	2336.3
20°	2554.9	2574.1	2578.5	2577.0	2591.8	2599.2	2597.7	2557.8	2523.8	2454.4	2386.5
22.5°	2386.5	2430.8	2450.0	2461.8	2492.8	2509.1	2547.5	2532.7	2523.8	2472.2	2414.6
25°	2230.0	2244.7	2302.3	2305.3	2348.1	2388.0	2426.4	2451.5	2484.0	2464.8	2416.0
27.5°	2027.6	2061.6	2103.0	2134.0	2142.8	2224.1	2287.6	2334.8	2408.7	2414.6	2398.3
30°	1798.7	1815.0	1882.9	1924.3	1971.5	2030.6	2122.2	2203.4	2269.8	2330.4	2351.1
32.5°	1519.6	1586.1	1626.0	1676.2	1717.5	1822.4	1934.6	2039.5	2116.2	2218.1	2262.5
35°	1264.1	1315.8	1383.8	1404.4	1479.8	1568.4	1714.6	1848.9	1965.6	2069.0	2159.1
37.5°	1053.0	1094.3	1166.7	1199.2	1243.5	1357.2	1479.8	1646.6	1786.9	1913.9	2026.2
40°	908.2	939.2	993.9	1004.2	1041.1	1144.5	1243.5	1400.0	1586.1	1757.4	1880.0
42.5°	809.3	824.1	861.0	874.3	897.9	967.3	1055.9	1203.6	1376.4	1553.6	1726.4
45°	738.4	748.7	770.9	782.7	812.2	843.3	915.6	1033.8	1169.6	1348.3	1534.4
47.5°	674.9	688.2	697.0	704.4	720.7	754.6	801.9	889.0	1019.0	1182.9	1363.1
50°	621.7	626.2	642.4	643.9	654.2	676.4	720.7	773.8	877.2	1010.1	1184.4
52.5°	568.6	573.0	583.3	593.7	598.1	615.8	645.4	689.7	766.5	871.3	1026.4
55°	515.4	521.3	531.6	539.0	543.5	558.2	576.0	618.8	679.3	753.2	880.2
57.5°	462.2	475.5	478.5	482.9	490.3	506.5	522.8	547.9	595.1	663.1	756.1
60°	412.0	416.5	426.8	431.2	438.6	447.5	468.1	487.3	521.3	574.5	658.7
62.5°	360.3	370.7	375.1	379.5	385.4	395.8	409.1	429.7	459.3	502.1	568.6
65°	316.0	317.5	326.4	332.3	338.2	345.6	358.9	378.1	395.8	435.7	484.4
67.5°	273.2	276.2	279.1	285.0	292.4	299.8	311.6	321.9	344.1	370.7	409.1
70°	231.9	231.9	239.2	243.7	242.2	251.1	259.9	271.7	288.0	313.1	344.1
72.5°	194.9	193.5	199.4	200.8	203.8	209.7	215.6	227.4	236.3	255.5	279.1
75°	155.1	158.0	161.0	161.0	165.4	169.8	175.7	181.6	192.0	203.8	221.5
77.5°	122.6	122.6	125.5	127.0	131.4	130.0	135.9	141.8	149.2	159.5	172.8
80°	90.1	93.0	93.0	93.0	94.5	96.0	101.9	106.3	110.8	118.1	124.1
82.5°	63.5	63.5	66.5	66.5	66.5	69.4	69.4	70.9	73.8	78.3	82.7
85°	39.9	39.9	39.9	41.4	39.9	41.4	44.3	42.8	44.3	47.3	47.3
87.5°	19.2	19.2	19.2	19.2	19.2	20.7	19.2	20.7	22.2	22.2	22.2
90°	24.4	24.2	24.1	24.0	24.2	24.5	24.8	25.1	25.4	21.8	18.3
92.5°	23.2	23.2	23.2	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.2
95°	45.7	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.2	45.8
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.0	71.3
100°	99.8	99.9	100.1	100.2	100.2	100.2	100.2	100.2	100.2	99.7	99.2
102.5°	130.2	130.4	130.5	130.6	130.5	130.4	130.2	130.1	129.9	129.3	128.6
105°	161.1	161.1	161.1	161.1	160.9	160.6	160.3	160.0	159.7	159.4	159.0
107.5°	191.0	191.9	192.7	193.1	193.0	192.8	192.7	192.5	192.3	192.3	192.3
110°	224.5	225.0	225.5	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	256.9	257.2	257.5	257.7	257.9	258.4	258.9	259.3	259.8	260.0	260.2
115°	291.3	291.8	292.3	292.5	292.6	292.7	292.9	293.0	293.2	293.5	293.9
117.5°	323.2	323.7	324.2	324.4	324.6	325.1	325.6	326.1	326.6	327.4	328.2
120°	357.3	357.8	358.3	358.5	358.5	358.5	358.5	358.5	358.5	359.8	361.1
122.5°	390.4	390.7	391.0	391.2	391.4	391.9	392.4	392.9	393.4	394.2	395.0
125°	424.2	424.4	424.5	424.6	424.8	425.3	425.8	426.3	426.8	427.3	427.7
127.5°	455.3	455.8	456.3	456.5	456.8	457.5	458.1	458.8	459.4	460.0	460.7
130°	489.0	489.6	490.3	490.6	490.8	491.1	491.4	491.8	492.1	492.4	492.7
132.5°	520.6	521.1	521.6	521.8	522.2	523.0	523.9	524.7	525.5	525.3	525.1
135°	554.0	554.5	555.0	555.2	555.3	555.5	555.6	555.8	556.0	555.7	555.3
137.5°	584.1	584.7	585.4	585.7	585.8	585.9	586.1	586.2	586.4	586.1	585.8
140°	615.3	615.9	616.6	616.9	616.9	616.9	616.9	616.9	616.9	616.1	615.3
142.5°	643.6	644.2	644.9	645.2	645.1	645.0	644.8	644.7	644.5	644.0	643.5
145°	671.9	672.5	673.2	673.5	673.4	673.3	673.1	673.0	672.8	671.8	670.8
147.5°	697.3	697.9	698.6	698.9	698.7	698.4	698.1	697.8	697.5	696.9	696.2
150°	721.7	722.2	722.7	722.9	722.7	722.2	721.7	721.2	720.7	720.1	719.4
152.5°	745.2	745.8	746.5	746.8	746.5	745.8	745.2	744.5	743.9	743.1	742.3
155°	765.2	765.7	766.2	766.4	766.0	765.2	764.4	763.6	762.8	762.3	761.8
157.5°	784.0	784.8	785.6	786.0	785.4	784.3	783.2	782.0	780.9	780.6	780.3
160°	800.4	801.0	801.7	802.0	801.5	800.5	799.6	798.6	797.6	797.4	797.3
162.5°	815.2	816.0	816.8	817.2	816.6	815.5	814.4	813.3	812.2	812.0	811.8
165°	827.5	828.4	829.2	829.6	829.0	827.9	826.8	825.6	824.5	824.5	824.5
167.5°	838.4	839.3	840.1	840.5	839.9	838.8	837.7	836.5	835.4	835.4	835.4
170°	846.8	847.7	848.7	849.2	848.6	847.5	846.4	845.2	844.1	844.3	844.4
172.5°	853.3	854.2	855.2	855.7	855.1	854.0	852.9	851.7	850.6	850.8	850.9
175°	857.7	858.6	859.6	860.1	859.5	858.4	857.3	856.1	855.0	855.3	855.6
177.5°	859.8	860.8	861.7	862.2	861.7	860.8	859.8	858.9	857.9	858.2	858.5
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1971.5	1964.1	1959.7	1962.7	1953.8	1931.6	1931.6	1939.0	1930.2	1921.3	1908.0
5°	2026.2	2011.4	2002.5	2001.1	1980.4	1944.9	1937.6	1930.2	1911.0	1890.3	1868.1
7.5°	2079.3	2052.7	2038.0	2027.6	1998.1	1952.3	1933.1	1916.9	1885.9	1854.9	1826.8
10°	2123.6	2085.2	2067.5	2051.3	2012.9	1955.3	1924.3	1894.7	1854.9	1815.0	1779.5
12.5°	2159.1	2114.8	2092.6	2069.0	2021.7	1946.4	1908.0	1860.8	1820.9	1767.7	1732.3
15°	2218.1	2126.6	2105.9	2083.8	2035.0	1931.6	1884.4	1831.2	1776.6	1705.7	1667.3
17.5°	2265.4	2142.8	2141.4	2094.1	2030.6	1925.7	1853.4	1784.0	1724.9	1654.0	1593.5
20°	2293.5	2167.9	2144.3	2095.6	2015.8	1885.9	1810.6	1733.8	1670.3	1584.6	1524.1
22.5°	2317.1	2203.4	2141.4	2082.3	1984.8	1872.6	1761.8	1689.5	1602.3	1509.3	1451.7
25°	2326.0	2210.8	2145.8	2077.9	1962.7	1834.2	1708.7	1630.4	1532.9	1448.7	1370.5
27.5°	2327.4	2209.3	2129.5	2058.7	1931.6	1784.0	1655.5	1572.8	1465.0	1367.5	1289.2
30°	2312.7	2193.0	2120.7	2043.9	1902.1	1738.2	1590.5	1498.9	1383.8	1286.3	1205.1
32.5°	2268.4	2160.6	2101.5	2017.3	1863.7	1674.7	1528.5	1426.6	1305.5	1209.5	1131.2
35°	2194.5	2120.7	2055.7	1977.4	1813.5	1615.6	1466.5	1346.8	1224.3	1132.7	1058.9
37.5°	2103.0	2063.1	2002.5	1925.7	1755.9	1562.5	1397.0	1264.1	1141.6	1053.0	980.6
40°	1978.9	1989.2	1930.2	1860.8	1688.0	1490.1	1307.0	1180.0	1064.8	982.1	911.2
42.5°	1844.5	1887.3	1853.4	1786.9	1612.7	1410.3	1240.5	1100.2	988.0	902.3	843.3
45°	1699.8	1773.6	1753.0	1704.2	1534.4	1326.2	1146.0	1010.1	911.2	828.5	776.8
47.5°	1541.8	1646.6	1646.6	1611.2	1447.3	1242.0	1064.8	926.0	828.5	769.4	719.2
50°	1380.8	1498.9	1518.1	1494.5	1349.8	1146.0	965.8	840.3	756.1	698.5	661.6
52.5°	1212.4	1349.8	1385.2	1373.4	1246.4	1054.4	884.6	762.0	685.2	635.0	602.5
55°	1051.5	1211.0	1249.4	1253.8	1135.7	954.0	794.5	686.7	612.9	578.9	550.8
57.5°	899.4	1053.0	1095.8	1103.2	1023.4	862.4	710.3	615.8	549.4	521.3	499.2
60°	769.4	897.9	954.0	970.3	900.8	756.1	632.1	540.5	490.3	463.7	443.0
62.5°	663.1	766.5	825.5	830.0	798.9	663.1	550.8	474.1	431.2	407.6	397.3
65°	559.7	652.7	688.2	705.9	680.8	574.5	475.5	412.0	378.1	357.4	347.0
67.5°	477.0	536.1	565.6	589.2	564.1	484.4	404.6	353.0	327.8	307.2	301.3
70°	391.4	440.1	462.2	485.9	463.7	403.2	345.6	298.3	276.2	259.9	252.5
72.5°	313.1	351.5	372.2	386.9	373.6	323.4	276.2	243.7	227.4	215.6	211.2
75°	248.1	274.7	286.5	296.8	290.9	252.5	223.0	196.4	181.6	171.3	168.4
77.5°	189.0	208.2	221.5	224.5	217.1	192.0	166.9	150.6	138.8	132.9	130.0
80°	134.4	146.2	153.6	158.0	150.6	140.3	122.6	110.8	100.4	93.0	91.6
82.5°	90.1	96.0	101.9	100.4	97.5	88.6	78.3	72.4	67.9	62.0	62.0
85°	51.7	53.2	56.1	57.6	56.1	50.2	44.3	41.4	38.4	34.0	34.0
87.5°	22.2	23.6	23.6	25.1	22.2	22.2	19.2	16.2	16.2	14.8	13.3
90°	14.7	11.2	9.4	8.4	6.5	4.6	2.6	0.7	2.6	4.6	6.5
92.5°	22.0	21.9	21.8	21.2	19.9	18.6	17.3	16.0	17.3	18.6	19.9
95°	45.5	45.2	45.0	44.2	42.6	40.9	39.3	37.7	39.3	40.9	42.6
97.5°	70.7	70.0	69.7	69.0	67.5	66.0	64.6	63.1	64.6	66.0	67.5
100°	98.7	98.2	98.0	97.4	96.1	94.8	93.5	92.2	93.5	94.8	96.1
102.5°	128.0	127.3	127.0	126.5	125.6	124.6	123.7	122.7	123.7	124.6	125.6
105°	158.7	158.4	158.2	158.0	157.5	157.0	156.5	156.0	156.5	157.0	157.5
107.5°	192.3	192.3	192.3	192.0	191.3	190.7	190.0	189.4	190.0	190.7	191.3
110°	225.7	225.7	225.7	225.2	224.3	223.3	222.4	221.4	222.4	223.3	224.3

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	260.3	260.5	260.6	260.1	259.1	258.2	257.2	256.2	257.2	258.2	259.1
115°	294.2	294.5	294.7	294.2	293.2	292.3	291.3	290.3	291.3	292.3	293.2
117.5°	329.0	329.8	330.2	329.6	328.3	327.0	325.7	324.4	325.7	327.0	328.3
120°	362.4	363.7	364.3	363.7	362.4	361.1	359.8	358.5	359.8	361.1	362.4
122.5°	395.8	396.6	397.0	396.2	394.6	392.9	391.3	389.7	391.3	392.9	394.6
125°	428.2	428.7	428.9	428.2	426.7	425.3	423.8	422.4	423.8	425.3	426.7
127.5°	461.3	462.0	462.3	461.4	459.6	457.9	456.1	454.3	456.1	457.9	459.6
130°	493.0	493.3	493.5	492.5	490.4	488.3	486.2	484.1	486.2	488.3	490.4
132.5°	525.0	524.8	524.7	523.9	522.3	520.7	519.1	517.5	519.1	520.7	522.3
135°	555.0	554.7	554.5	553.6	551.8	550.1	548.3	546.5	548.3	550.1	551.8
137.5°	585.5	585.2	585.0	584.3	582.8	581.4	579.9	578.5	579.9	581.4	582.8
140°	614.5	613.7	613.3	612.6	611.1	609.7	608.2	606.8	608.2	609.7	611.1
142.5°	643.0	642.5	642.3	641.6	640.1	638.7	637.2	635.8	637.2	638.7	640.1
145°	669.9	668.9	668.4	667.8	666.7	665.6	664.5	663.4	664.5	665.6	666.7
147.5°	695.6	694.9	694.6	693.9	692.4	690.9	689.5	688.0	689.5	690.9	692.4
150°	718.8	718.1	717.8	717.3	716.3	715.4	714.4	713.4	714.4	715.4	716.3
152.5°	741.5	740.7	740.3	739.8	738.8	737.9	736.9	735.9	736.9	737.9	738.8
155°	761.3	760.8	760.6	760.4	759.9	759.4	758.9	758.4	758.9	759.4	759.9
157.5°	780.0	779.7	779.5	779.3	779.0	778.7	778.3	778.0	778.3	778.7	779.0
160°	797.1	797.0	796.9	796.7	796.4	796.1	795.8	795.5	795.8	796.1	796.4
162.5°	811.7	811.5	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4
165°	824.5	824.5	824.5	824.6	824.7	824.9	825.0	825.2	825.0	824.9	824.7
167.5°	835.4	835.4	835.4	835.6	836.1	836.6	837.1	837.6	837.1	836.6	836.1
170°	844.6	844.7	844.8	845.0	845.5	846.0	846.5	847.0	846.5	846.0	845.5
172.5°	851.1	851.2	851.3	851.5	852.0	852.5	853.0	853.5	853.0	852.5	852.0
175°	855.9	856.2	856.4	856.6	857.1	857.6	858.1	858.6	858.1	857.6	857.1
177.5°	858.8	859.1	859.3	859.5	860.0	860.5	861.0	861.5	861.0	860.5	860.0
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1900.6	1908.0	1906.5	1891.8	1875.5	1862.2	1837.1	1840.1	1831.2	1832.7	1841.6
5°	1853.4	1853.4	1847.5	1826.8	1800.2	1785.4	1757.4	1750.0	1732.3	1730.8	1729.3
7.5°	1803.2	1795.8	1788.4	1758.9	1726.4	1702.7	1664.3	1655.5	1637.8	1626.0	1620.0
10°	1744.1	1733.8	1719.0	1685.0	1645.2	1615.6	1575.7	1563.9	1530.0	1515.2	1506.3
12.5°	1679.1	1673.2	1649.6	1621.5	1556.5	1524.1	1466.5	1478.3	1444.3	1414.8	1410.3
15°	1614.1	1592.0	1578.7	1532.9	1454.6	1439.9	1394.1	1370.5	1339.5	1315.8	1315.8
17.5°	1550.6	1516.7	1487.1	1438.4	1380.8	1339.5	1305.5	1293.7	1255.3	1231.6	1227.2
20°	1466.5	1428.1	1420.7	1351.3	1311.4	1265.6	1233.1	1203.6	1175.5	1165.2	1157.8
22.5°	1386.7	1342.4	1330.6	1271.5	1231.6	1185.9	1153.4	1132.7	1112.0	1104.6	1091.4
25°	1301.1	1274.5	1256.8	1193.3	1148.9	1106.1	1084.0	1069.2	1050.0	1048.5	1039.7
27.5°	1218.4	1193.3	1175.5	1115.0	1082.5	1042.6	1024.9	1008.7	998.3	993.9	989.5
30°	1147.5	1119.4	1098.7	1054.4	1014.6	982.1	967.3	957.0	951.1	943.7	942.2
32.5°	1069.2	1053.0	1024.9	990.9	959.9	928.9	920.0	912.7	903.8	900.8	899.4
35°	1002.7	980.6	962.9	924.5	911.2	884.6	874.3	868.4	856.5	853.6	850.6
37.5°	937.8	917.1	897.9	874.3	849.2	834.4	828.5	819.6	813.7	815.2	812.2
40°	872.8	856.5	841.8	816.7	801.9	794.5	782.7	773.8	770.9	772.4	770.9
42.5°	809.3	794.5	785.7	766.5	751.7	744.3	736.9	728.1	732.5	732.5	736.9
45°	751.7	738.4	732.5	717.7	708.9	697.0	689.7	688.2	694.1	692.6	692.6
47.5°	692.6	688.2	680.8	667.5	655.7	648.3	646.8	646.8	652.7	655.7	654.2
50°	646.8	638.0	629.1	618.8	609.9	607.0	602.5	605.5	611.4	611.4	614.3
52.5°	589.2	583.3	580.4	571.5	565.6	565.6	565.6	567.1	571.5	576.0	574.5
55°	539.0	534.6	531.6	527.2	519.8	521.3	519.8	522.8	527.2	531.6	534.6
57.5°	485.9	484.4	481.4	474.1	474.1	472.6	477.0	478.5	485.9	488.8	493.3
60°	438.6	434.2	434.2	428.3	428.3	428.3	432.7	437.1	443.0	444.5	447.5
62.5°	388.4	388.4	386.9	382.5	382.5	386.9	388.4	394.3	397.3	397.3	401.7
65°	341.1	339.7	338.2	339.7	341.1	341.1	345.6	348.5	351.5	353.0	354.4
67.5°	293.9	292.4	295.4	293.9	296.8	302.7	301.3	305.7	310.1	310.1	311.6
70°	249.6	252.5	251.1	254.0	252.5	255.5	259.9	261.4	261.4	262.9	267.3
72.5°	208.2	208.2	208.2	206.8	208.2	211.2	214.1	215.6	218.6	220.0	224.5
75°	168.4	168.4	165.4	168.4	168.4	171.3	174.3	174.3	174.3	177.2	181.6
77.5°	127.0	128.5	127.0	130.0	130.0	131.4	134.4	132.9	135.9	137.3	138.8
80°	93.0	91.6	91.6	91.6	93.0	93.0	96.0	97.5	97.5	101.9	98.9
82.5°	59.1	60.5	59.1	60.5	60.5	62.0	60.5	62.0	63.5	66.5	65.0
85°	34.0	32.5	32.5	34.0	32.5	32.5	34.0	32.5	34.0	32.5	34.0
87.5°	13.3	11.8	11.8	11.8	11.8	10.3	10.3	8.9	8.9	8.9	7.4
90°	8.4	9.4	11.2	14.7	18.3	21.8	25.4	25.1	24.8	24.5	24.2
92.5°	21.2	21.8	21.9	22.0	22.2	22.3	22.5	22.7	22.8	23.0	23.1
95°	44.2	45.0	45.2	45.5	45.8	46.2	46.5	46.5	46.5	46.5	46.5
97.5°	69.0	69.7	70.0	70.7	71.3	72.0	72.6	72.6	72.6	72.6	72.6
100°	97.4	98.0	98.2	98.7	99.2	99.7	100.2	100.2	100.2	100.2	100.2
102.5°	126.5	127.0	127.3	128.0	128.6	129.3	129.9	130.1	130.2	130.4	130.5
105°	158.0	158.2	158.4	158.7	159.0	159.4	159.7	160.0	160.3	160.6	160.9
107.5°	192.0	192.3	192.3	192.3	192.3	192.3	192.3	192.5	192.7	192.8	193.0
110°	225.2	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	260.1	260.6	260.5	260.3	260.2	260.0	259.8	259.3	258.9	258.4	257.9
115°	294.2	294.7	294.5	294.2	293.9	293.5	293.2	293.0	292.9	292.7	292.6
117.5°	329.6	330.2	329.8	329.0	328.2	327.4	326.6	326.1	325.6	325.1	324.6
120°	363.7	364.3	363.7	362.4	361.1	359.8	358.5	358.5	358.5	358.5	358.5
122.5°	396.2	397.0	396.6	395.8	395.0	394.2	393.4	392.9	392.4	391.9	391.4
125°	428.2	428.9	428.7	428.2	427.7	427.3	426.8	426.3	425.8	425.3	424.8
127.5°	461.4	462.3	462.0	461.3	460.7	460.0	459.4	458.8	458.1	457.5	456.8
130°	492.5	493.5	493.3	493.0	492.7	492.4	492.1	491.8	491.4	491.1	490.8
132.5°	523.9	524.7	524.8	525.0	525.1	525.3	525.5	524.7	523.9	523.0	522.2
135°	553.6	554.5	554.7	555.0	555.3	555.7	556.0	555.8	555.6	555.5	555.3
137.5°	584.3	585.0	585.2	585.5	585.8	586.1	586.4	586.2	586.1	585.9	585.8
140°	612.6	613.3	613.7	614.5	615.3	616.1	616.9	616.9	616.9	616.9	616.9
142.5°	641.6	642.3	642.5	643.0	643.5	644.0	644.5	644.7	644.8	645.0	645.1
145°	667.8	668.4	668.9	669.9	670.8	671.8	672.8	673.0	673.1	673.3	673.4
147.5°	693.9	694.6	694.9	695.6	696.2	696.9	697.5	697.8	698.1	698.4	698.7
150°	717.3	717.8	718.1	718.8	719.4	720.1	720.7	721.2	721.7	722.2	722.7
152.5°	739.8	740.3	740.7	741.5	742.3	743.1	743.9	744.5	745.2	745.8	746.5
155°	760.4	760.6	760.8	761.3	761.8	762.3	762.8	763.6	764.4	765.2	766.0
157.5°	779.3	779.5	779.7	780.0	780.3	780.6	780.9	782.0	783.2	784.3	785.4
160°	796.7	796.9	797.0	797.1	797.3	797.4	797.6	798.6	799.6	800.5	801.5
162.5°	811.4	811.4	811.5	811.7	811.8	812.0	812.2	813.3	814.4	815.5	816.6
165°	824.6	824.5	824.5	824.5	824.5	824.5	824.5	825.6	826.8	827.9	829.0
167.5°	835.6	835.4	835.4	835.4	835.4	835.4	835.4	836.5	837.7	838.8	839.9
170°	845.0	844.8	844.7	844.6	844.4	844.3	844.1	845.2	846.4	847.5	848.6
172.5°	851.5	851.3	851.2	851.1	850.9	850.8	850.6	851.7	852.9	854.0	855.1
175°	856.6	856.4	856.2	855.9	855.6	855.3	855.0	856.1	857.3	858.4	859.5
177.5°	859.5	859.3	859.1	858.8	858.5	858.2	857.9	858.9	859.8	860.8	861.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1831.2	1835.7	1825.3	1822.4	1825.3	1815.0	1817.9	1820.9	1820.9	1825.3	1828.3
5°	1724.9	1719.0	1708.7	1705.7	1702.7	1707.2	1704.2	1708.7	1710.1	1720.5	1721.9
7.5°	1620.0	1611.2	1602.3	1593.5	1590.5	1583.1	1590.5	1590.5	1600.8	1597.9	1605.3
10°	1496.0	1494.5	1482.7	1478.3	1472.4	1460.6	1476.8	1472.4	1479.8	1493.0	1496.0
12.5°	1404.4	1388.2	1395.6	1374.9	1382.3	1370.5	1371.9	1371.9	1383.8	1385.2	1382.3
15°	1317.3	1304.0	1284.8	1276.0	1271.5	1265.6	1284.8	1286.3	1277.4	1298.1	1290.7
17.5°	1228.7	1228.7	1211.0	1206.5	1194.7	1200.6	1197.7	1199.2	1196.2	1211.0	1218.4
20°	1151.9	1144.5	1138.6	1140.1	1125.3	1122.4	1119.4	1122.4	1132.7	1143.0	1146.0
22.5°	1089.9	1085.4	1070.7	1073.6	1061.8	1066.2	1063.3	1070.7	1072.2	1072.2	1082.5
25°	1030.8	1024.9	1026.4	1020.5	1016.0	1016.0	1011.6	1016.0	1021.9	1024.9	1026.4
27.5°	986.5	982.1	974.7	970.3	973.2	965.8	971.7	976.2	976.2	973.2	976.2
30°	933.3	936.3	936.3	921.5	927.4	924.5	928.9	931.9	931.9	933.3	930.4
32.5°	897.9	889.0	887.6	886.1	886.1	880.2	880.2	884.6	886.1	887.6	892.0
35°	850.6	850.6	843.3	847.7	841.8	843.3	841.8	843.3	846.2	841.8	846.2
37.5°	807.8	809.3	806.3	809.3	810.8	807.8	804.9	810.8	807.8	807.8	804.9
40°	770.9	769.4	770.9	770.9	770.9	772.4	769.4	769.4	769.4	766.5	763.5
42.5°	739.9	731.0	734.0	735.4	731.0	731.0	732.5	731.0	735.4	726.6	726.6
45°	695.6	692.6	694.1	694.1	697.0	692.6	695.6	697.0	692.6	691.1	688.2
47.5°	655.7	658.7	655.7	658.7	658.7	661.6	655.7	657.2	658.7	652.7	648.3
50°	615.8	615.8	620.3	618.8	620.3	617.3	617.3	615.8	617.3	614.3	609.9
52.5°	578.9	574.5	581.9	580.4	578.9	577.4	576.0	577.4	574.5	571.5	571.5
55°	533.1	533.1	537.6	539.0	539.0	536.1	533.1	534.6	533.1	531.6	530.2
57.5°	496.2	490.3	493.3	494.7	494.7	490.3	493.3	490.3	490.3	491.8	487.3
60°	448.9	448.9	446.0	450.4	450.4	447.5	447.5	448.9	446.0	444.5	443.0
62.5°	398.7	400.2	404.6	406.1	407.6	404.6	401.7	403.2	403.2	398.7	400.2
65°	355.9	358.9	364.8	363.3	360.3	361.8	358.9	360.3	355.9	357.4	353.0
67.5°	314.6	313.1	314.6	314.6	317.5	316.0	313.1	313.1	311.6	316.0	311.6
70°	270.3	270.3	270.3	270.3	271.7	273.2	270.3	267.3	268.8	265.8	264.3
72.5°	224.5	225.9	224.5	227.4	223.0	225.9	225.9	224.5	223.0	223.0	223.0
75°	181.6	184.6	180.2	181.6	180.2	183.1	181.6	181.6	178.7	177.2	178.7
77.5°	138.8	140.3	137.3	138.8	137.3	138.8	138.8	137.3	137.3	137.3	137.3
80°	98.9	100.4	98.9	97.5	96.0	98.9	96.0	97.5	98.9	97.5	100.4
82.5°	63.5	63.5	62.0	63.5	60.5	60.5	62.0	62.0	60.5	63.5	60.5
85°	31.0	31.0	34.0	31.0	29.5	29.5	29.5	31.0	29.5	32.5	31.0
87.5°	7.4	5.9	7.4	7.4	5.9	5.9	7.4	5.9	7.4	8.9	5.9
90°	24.0	24.1	24.2	24.4	24.5	24.7	24.5	24.4	24.2	24.1	24.0
92.5°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
95°	46.5	46.3	46.0	45.7	45.3	45.0	45.3	45.7	46.0	46.3	46.5
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
100°	100.2	100.1	99.9	99.8	99.6	99.4	99.6	99.8	99.9	100.1	100.2
102.5°	130.6	130.5	130.4	130.2	130.1	129.9	130.1	130.2	130.4	130.5	130.6
105°	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1
107.5°	193.1	192.7	191.9	191.0	190.2	189.4	190.2	191.0	191.9	192.7	193.1
110°	225.7	225.5	225.0	224.5	224.0	223.5	224.0	224.5	225.0	225.5	225.7

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	257.7	257.5	257.2	256.9	256.5	256.2	256.5	256.9	257.2	257.5	257.7
115°	292.5	292.3	291.8	291.3	290.8	290.3	290.8	291.3	291.8	292.3	292.5
117.5°	324.4	324.2	323.7	323.2	322.7	322.2	322.7	323.2	323.7	324.2	324.4
120°	358.5	358.3	357.8	357.3	356.9	356.4	356.9	357.3	357.8	358.3	358.5
122.5°	391.2	391.0	390.7	390.4	390.0	389.7	390.0	390.4	390.7	391.0	391.2
125°	424.6	424.5	424.4	424.2	424.1	423.9	424.1	424.2	424.4	424.5	424.6
127.5°	456.5	456.3	455.8	455.3	454.8	454.3	454.8	455.3	455.8	456.3	456.5
130°	490.6	490.3	489.6	489.0	488.3	487.7	488.3	489.0	489.6	490.3	490.6
132.5°	521.8	521.6	521.1	520.6	520.2	519.7	520.2	520.6	521.1	521.6	521.8
135°	555.2	555.0	554.5	554.0	553.5	553.0	553.5	554.0	554.5	555.0	555.2
137.5°	585.7	585.4	584.7	584.1	583.4	582.8	583.4	584.1	584.7	585.4	585.7
140°	616.9	616.6	615.9	615.3	614.6	614.0	614.6	615.3	615.9	616.6	616.9
142.5°	645.2	644.9	644.2	643.6	642.9	642.3	642.9	643.6	644.2	644.9	645.2
145°	673.5	673.2	672.5	671.9	671.2	670.6	671.2	671.9	672.5	673.2	673.5
147.5°	698.9	698.6	697.9	697.3	696.6	696.0	696.6	697.3	697.9	698.6	698.9
150°	722.9	722.7	722.2	721.7	721.2	720.7	721.2	721.7	722.2	722.7	722.9
152.5°	746.8	746.5	745.8	745.2	744.5	743.9	744.5	745.2	745.8	746.5	746.8
155°	766.4	766.2	765.7	765.2	764.8	764.3	764.8	765.2	765.7	766.2	766.4
157.5°	786.0	785.6	784.8	784.0	783.2	782.4	783.2	784.0	784.8	785.6	786.0
160°	802.0	801.7	801.0	800.4	799.7	799.1	799.7	800.4	801.0	801.7	802.0
162.5°	817.2	816.8	816.0	815.2	814.4	813.6	814.4	815.2	816.0	816.8	817.2
165°	829.6	829.2	828.4	827.5	826.7	825.9	826.7	827.5	828.4	829.2	829.6
167.5°	840.5	840.1	839.3	838.4	837.6	836.8	837.6	838.4	839.3	840.1	840.5
170°	849.2	848.7	847.7	846.8	845.8	844.8	845.8	846.8	847.7	848.7	849.2
172.5°	855.7	855.2	854.2	853.3	852.3	851.3	852.3	853.3	854.2	855.2	855.7
175°	860.1	859.6	858.6	857.7	856.7	855.7	856.7	857.7	858.6	859.6	860.1
177.5°	862.2	861.7	860.8	859.8	858.9	857.9	858.9	859.8	860.8	861.7	862.2
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1823.8	1835.7	1831.2	1815.0	1834.2	1834.2	1847.5	1847.5	1863.7	1869.6	1878.5
5°	1720.5	1729.3	1736.7	1729.3	1742.6	1763.3	1775.1	1785.4	1807.6	1816.5	1829.8
7.5°	1609.7	1626.0	1633.3	1633.3	1655.5	1679.1	1702.7	1717.5	1748.5	1760.3	1773.6
10°	1501.9	1521.1	1535.9	1534.4	1571.3	1586.1	1615.6	1649.6	1680.6	1698.3	1717.5
12.5°	1388.2	1398.5	1419.2	1448.7	1457.6	1484.2	1518.1	1561.0	1617.1	1633.3	1661.4
15°	1293.7	1321.7	1338.0	1351.3	1371.9	1397.0	1434.0	1475.3	1531.4	1566.9	1596.4
17.5°	1213.9	1250.8	1261.2	1258.2	1284.8	1323.2	1366.0	1397.0	1447.3	1490.1	1518.1
20°	1148.9	1163.7	1181.4	1188.8	1209.5	1250.8	1292.2	1327.6	1369.0	1403.0	1435.4
22.5°	1084.0	1095.8	1110.6	1123.8	1140.1	1163.7	1203.6	1247.9	1287.8	1320.3	1357.2
25°	1030.8	1038.2	1051.5	1061.8	1079.5	1095.8	1123.8	1172.6	1219.8	1239.0	1271.5
27.5°	979.1	985.0	993.9	1005.7	1014.6	1030.8	1055.9	1095.8	1144.5	1163.7	1208.0
30°	933.3	937.8	946.6	952.5	957.0	976.2	995.4	1026.4	1063.3	1089.9	1122.4
32.5°	890.5	894.9	903.8	905.3	911.2	921.5	939.2	967.3	999.8	1021.9	1050.0
35°	843.3	846.2	855.1	858.0	862.4	871.3	884.6	905.3	934.8	951.1	976.2
37.5°	806.3	804.9	810.8	815.2	821.1	825.5	830.0	850.6	872.8	887.6	906.8
40°	766.5	763.5	765.0	770.9	773.8	779.7	779.7	800.4	815.2	827.0	841.8
42.5°	726.6	725.1	722.2	725.1	728.1	729.5	731.0	745.8	760.6	770.9	787.1
45°	686.7	685.2	682.3	683.8	683.8	686.7	691.1	697.0	707.4	716.2	725.1
47.5°	649.8	646.8	642.4	640.9	643.9	643.9	643.9	649.8	660.1	663.1	671.9
50°	611.4	607.0	601.1	598.1	598.1	596.6	599.6	601.1	609.9	612.9	620.3
52.5°	570.0	567.1	561.2	555.3	556.8	553.8	555.3	556.8	559.7	564.1	568.6
55°	528.7	522.8	518.4	516.9	512.4	512.4	508.0	513.9	512.4	513.9	519.8
57.5°	488.8	482.9	475.5	472.6	468.1	466.7	463.7	462.2	463.7	468.1	472.6
60°	441.6	438.6	434.2	429.7	426.8	422.4	419.4	419.4	417.9	417.9	419.4
62.5°	395.8	394.3	388.4	386.9	384.0	381.0	376.6	373.6	373.6	376.6	378.1
65°	351.5	350.0	345.6	344.1	336.7	333.8	332.3	330.8	327.8	327.8	327.8
67.5°	310.1	305.7	305.7	298.3	292.4	289.5	286.5	285.0	285.0	285.0	286.5
70°	264.3	264.3	259.9	255.5	249.6	251.1	246.6	242.2	242.2	239.2	240.7
72.5°	220.0	218.6	214.1	212.7	208.2	203.8	200.8	203.8	199.4	197.9	199.4
75°	177.2	175.7	172.8	169.8	171.3	166.9	162.4	161.0	161.0	158.0	158.0
77.5°	135.9	138.8	132.9	131.4	128.5	125.5	124.1	122.6	122.6	122.6	125.5
80°	94.5	96.0	96.0	93.0	94.5	90.1	90.1	90.1	85.7	87.1	88.6
82.5°	60.5	60.5	59.1	60.5	59.1	59.1	57.6	57.6	56.1	56.1	57.6
85°	34.0	32.5	31.0	34.0	32.5	32.5	31.0	31.0	31.0	31.0	31.0
87.5°	7.4	8.9	8.9	8.9	8.9	10.3	10.3	10.3	11.8	11.8	11.8
90°	24.2	24.5	24.8	25.1	25.4	21.8	18.3	14.7	11.2	9.4	8.4
92.5°	23.1	23.0	22.8	22.7	22.5	22.3	22.2	22.0	21.9	21.8	21.2
95°	46.5	46.5	46.5	46.5	46.5	46.2	45.8	45.5	45.2	45.0	44.2
97.5°	72.6	72.6	72.6	72.6	72.6	72.0	71.3	70.7	70.0	69.7	69.0
100°	100.2	100.2	100.2	100.2	100.2	99.7	99.2	98.7	98.2	98.0	97.4
102.5°	130.5	130.4	130.2	130.1	129.9	129.3	128.6	128.0	127.3	127.0	126.5
105°	160.9	160.6	160.3	160.0	159.7	159.4	159.0	158.7	158.4	158.2	158.0
107.5°	193.0	192.8	192.7	192.5	192.3	192.3	192.3	192.3	192.3	192.3	192.0
110°	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.2

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	257.9	258.4	258.9	259.3	259.8	260.0	260.2	260.3	260.5	260.6	260.1
115°	292.6	292.7	292.9	293.0	293.2	293.5	293.9	294.2	294.5	294.7	294.2
117.5°	324.6	325.1	325.6	326.1	326.6	327.4	328.2	329.0	329.8	330.2	329.6
120°	358.5	358.5	358.5	358.5	358.5	359.8	361.1	362.4	363.7	364.3	363.7
122.5°	391.4	391.9	392.4	392.9	393.4	394.2	395.0	395.8	396.6	397.0	396.2
125°	424.8	425.3	425.8	426.3	426.8	427.3	427.7	428.2	428.7	428.9	428.2
127.5°	456.8	457.5	458.1	458.8	459.4	460.0	460.7	461.3	462.0	462.3	461.4
130°	490.8	491.1	491.4	491.8	492.1	492.4	492.7	493.0	493.3	493.5	492.5
132.5°	522.2	523.0	523.9	524.7	525.5	525.3	525.1	525.0	524.8	524.7	523.9
135°	555.3	555.5	555.6	555.8	556.0	555.7	555.3	555.0	554.7	554.5	553.6
137.5°	585.8	585.9	586.1	586.2	586.4	586.1	585.8	585.5	585.2	585.0	584.3
140°	616.9	616.9	616.9	616.9	616.9	616.1	615.3	614.5	613.7	613.3	612.6
142.5°	645.1	645.0	644.8	644.7	644.5	644.0	643.5	643.0	642.5	642.3	641.6
145°	673.4	673.3	673.1	673.0	672.8	671.8	670.8	669.9	668.9	668.4	667.8
147.5°	698.7	698.4	698.1	697.8	697.5	696.9	696.2	695.6	694.9	694.6	693.9
150°	722.7	722.2	721.7	721.2	720.7	720.1	719.4	718.8	718.1	717.8	717.3
152.5°	746.5	745.8	745.2	744.5	743.9	743.1	742.3	741.5	740.7	740.3	739.8
155°	766.0	765.2	764.4	763.6	762.8	762.3	761.8	761.3	760.8	760.6	760.4
157.5°	785.4	784.3	783.2	782.0	780.9	780.6	780.3	780.0	779.7	779.5	779.3
160°	801.5	800.5	799.6	798.6	797.6	797.4	797.3	797.1	797.0	796.9	796.7
162.5°	816.6	815.5	814.4	813.3	812.2	812.0	811.8	811.7	811.5	811.4	811.4
165°	829.0	827.9	826.8	825.6	824.5	824.5	824.5	824.5	824.5	824.5	824.6
167.5°	839.9	838.8	837.7	836.5	835.4	835.4	835.4	835.4	835.4	835.4	835.6
170°	848.6	847.5	846.4	845.2	844.1	844.3	844.4	844.6	844.7	844.8	845.0
172.5°	855.1	854.0	852.9	851.7	850.6	850.8	850.9	851.1	851.2	851.3	851.5
175°	859.5	858.4	857.3	856.1	855.0	855.3	855.6	855.9	856.2	856.4	856.6
177.5°	861.7	860.8	859.8	858.9	857.9	858.2	858.5	858.8	859.1	859.3	859.5
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1921.3	1921.3	1921.3	1921.3
2.5°	1885.9	1885.9	1908.0	1931.6
5°	1844.5	1854.9	1890.3	1922.8
7.5°	1804.6	1822.4	1866.7	1908.0
10°	1755.9	1779.5	1834.2	1882.9
12.5°	1708.7	1730.8	1794.3	1848.9
15°	1642.2	1670.3	1738.2	1806.1
17.5°	1575.7	1603.8	1686.5	1766.2
20°	1497.5	1534.4	1627.4	1733.8
22.5°	1425.1	1470.9	1574.3	1659.9
25°	1345.4	1416.2	1512.2	1623.0
27.5°	1274.5	1345.4	1442.8	1555.1
30°	1194.7	1267.1	1367.5	1470.9
32.5°	1117.9	1184.4	1281.9	1408.9
35°	1038.2	1101.7	1196.2	1324.7
37.5°	965.8	1027.9	1131.2	1249.4
40°	894.9	959.9	1048.5	1166.7
42.5°	828.5	886.1	965.8	1084.0
45°	767.9	809.3	883.1	993.9
47.5°	704.4	741.4	809.3	920.0
50°	645.4	676.4	735.4	838.8
52.5°	587.8	614.3	669.0	751.7
55°	536.1	561.2	601.1	682.3
57.5°	482.9	502.1	540.5	605.5
60°	431.2	448.9	480.0	533.1
62.5°	379.5	394.3	423.8	466.7
65°	333.8	345.6	367.7	404.6
67.5°	289.5	296.8	314.6	344.1
70°	246.6	252.5	267.3	290.9
72.5°	200.8	206.8	223.0	239.2
75°	162.4	163.9	175.7	189.0
77.5°	127.0	125.5	134.4	144.7
80°	87.1	91.6	98.9	103.4
82.5°	59.1	60.5	63.5	66.5
85°	32.5	34.0	34.0	38.4
87.5°	13.3	14.8	14.8	16.2
90°	6.5	4.6	2.6	0.7
92.5°	19.9	18.6	17.3	16.0
95°	42.6	40.9	39.3	37.7
97.5°	67.5	66.0	64.6	63.1
100°	96.1	94.8	93.5	92.2
102.5°	125.6	124.6	123.7	122.7
105°	157.5	157.0	156.5	156.0
107.5°	191.3	190.7	190.0	189.4
110°	224.3	223.3	222.4	221.4

TEST NUMBER: P1029248

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	259.1	258.2	257.2	256.2
115°	293.2	292.3	291.3	290.3
117.5°	328.3	327.0	325.7	324.4
120°	362.4	361.1	359.8	358.5
122.5°	394.6	392.9	391.3	389.7
125°	426.7	425.3	423.8	422.4
127.5°	459.6	457.9	456.1	454.3
130°	490.4	488.3	486.2	484.1
132.5°	522.3	520.7	519.1	517.5
135°	551.8	550.1	548.3	546.5
137.5°	582.8	581.4	579.9	578.5
140°	611.1	609.7	608.2	606.8
142.5°	640.1	638.7	637.2	635.8
145°	666.7	665.6	664.5	663.4
147.5°	692.4	690.9	689.5	688.0
150°	716.3	715.4	714.4	713.4
152.5°	738.8	737.9	736.9	735.9
155°	759.9	759.4	758.9	758.4
157.5°	779.0	778.7	778.3	778.0
160°	796.4	796.1	795.8	795.5
162.5°	811.4	811.4	811.4	811.4
165°	824.7	824.9	825.0	825.2
167.5°	836.1	836.6	837.1	837.6
170°	845.5	846.0	846.5	847.0
172.5°	852.0	852.5	853.0	853.5
175°	857.1	857.6	858.1	858.6
177.5°	860.0	860.5	861.0	861.5
180°	860.1	860.1	860.1	860.1

(END OF REPORT)