

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: P1029223

Luminaire Tested: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029223
REPORT IS A COMBINATION OF REPORTS P985221 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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

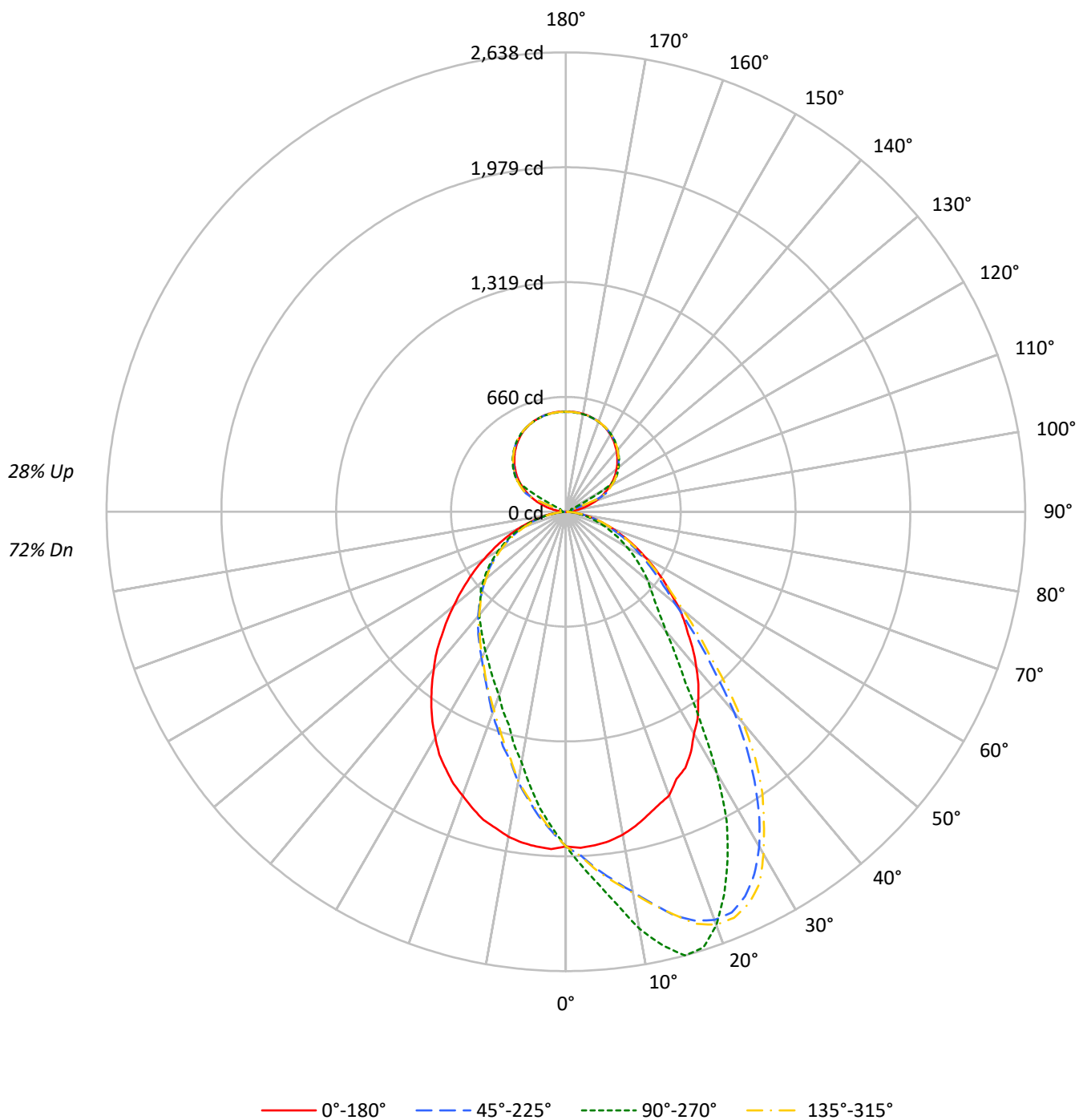
Lumens per Lamp: N/A
Luminaire Lumens: 5924.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 74.5
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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	68	67	66
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	58	56
3	87	78	70	64	82	74	67	62	67	62	57	61	56	53	55	51	49
4	80	69	61	55	76	66	59	53	60	54	50	54	50	46	49	46	43
5	74	62	54	48	70	59	52	47	54	48	43	49	44	41	45	41	38
6	68	56	48	42	65	54	46	41	49	43	38	45	40	36	41	37	34
7	63	51	43	38	60	49	42	36	45	39	34	41	36	32	38	33	30
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	35	30	27
9	55	43	35	30	52	41	34	29	38	32	28	35	30	26	32	28	25
10	52	40	32	27	49	38	31	27	35	29	25	33	28	24	30	26	23

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	3.1
10°-20°	532.6	9.0
20°-30°	773.0	13.0
30°-40°	814.9	13.8
40°-50°	721.1	12.2
50°-60°	575.8	9.7
60°-70°	391.1	6.6
70°-80°	200.1	3.4
80°-90°	48.3	0.8
90°-100°	18.9	0.3
100°-110°	70.6	1.2
110°-120°	187.3	3.2
120°-130°	310.6	5.2
130°-140°	329.9	5.6
140°-150°	306.6	5.2
150°-160°	246.5	4.2
160°-170°	158.8	2.7
170°-180°	54.7	0.9
0°-30°	1488.7	25.1
0°-40°	2303.6	38.9
0°-60°	3600.5	60.8
0°-90°	4240.0	71.6
90°-120°	276.8	4.7
90°-150°	1224.0	20.7
90°-180°	1684.0	28.4
0°-180°	5924.0	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°	0	11	0	11	0	4
95°	27	18	27	18	27	32
105°	126	32	126	32	126	135
115°	239	34	239	34	239	235
125°	338	355	338	355	338	301
135°	418	432	418	432	418	323
145°	485	492	485	492	485	303
155°	534	534	534	534	534	246
165°	563	562	563	562	563	159
175°	576	572	576	572	576	55
180°	574	574	574	574	574	

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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°	0.4	1.4	2.4	3.5	4.5	5.0	5.4	6.1	6.8	7.6	8.3
92.5°	10.4	10.0	9.6	9.3	8.9	8.7	8.8	9.1	9.4	9.7	10.0
95°	27.0	24.0	20.9	17.9	14.8	13.3	13.6	14.3	14.9	15.6	16.2
97.5°	48.6	41.0	33.4	25.9	18.3	14.5	15.2	16.7	18.2	19.7	21.2
100°	73.6	60.9	48.3	35.6	22.9	16.6	17.4	19.0	20.5	22.1	23.7
102.5°	101.0	100.8	100.6	100.5	100.3	100.2	91.8	75.0	58.1	41.3	24.5
105°	126.4	129.2	131.9	134.7	137.4	138.8	126.2	101.0	75.8	50.6	25.4
107.5°	155.9	158.2	160.5	162.8	165.1	166.3	150.7	119.6	88.5	57.3	26.2
110°	184.1	186.1	188.0	190.0	191.9	192.9	179.5	152.8	126.1	99.4	72.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	210.7	212.4	214.0	215.7	217.4	218.2	217.4	215.8	214.3	212.7	211.1
115°	239.0	240.6	242.2	243.7	245.3	246.1	247.3	249.6	251.9	254.2	256.5
117.5°	263.5	265.3	267.2	269.0	270.9	271.8	272.6	274.2	275.7	277.3	278.9
120°	290.9	292.3	293.7	295.1	296.5	297.2	298.0	299.7	301.4	303.0	304.7
122.5°	314.2	315.7	317.2	318.7	320.2	320.9	321.8	323.7	325.5	327.4	329.2
125°	337.9	339.1	340.3	341.5	342.7	343.3	344.2	345.9	347.7	349.4	351.2
127.5°	359.5	360.8	362.1	363.4	364.7	365.3	366.0	367.4	368.8	370.2	371.6
130°	379.9	381.4	382.8	384.3	385.8	386.5	387.0	388.0	389.1	390.1	391.1
132.5°	400.7	401.9	403.1	404.3	405.5	406.1	406.6	407.6	408.7	409.7	410.7
135°	418.1	419.6	421.1	422.6	424.1	424.8	425.2	426.0	426.9	427.7	428.5
137.5°	436.4	437.5	438.6	439.7	440.8	441.4	441.9	442.8	443.7	444.7	445.6
140°	454.3	455.0	455.8	456.5	457.2	457.6	458.1	459.1	460.2	461.2	462.2
142.5°	469.3	469.9	470.6	471.2	471.9	472.2	472.8	474.0	475.2	476.4	477.6
145°	485.1	485.0	484.9	484.8	484.7	484.6	485.4	487.0	488.5	490.1	491.7
147.5°	498.8	498.5	498.2	497.9	497.6	497.5	498.3	499.9	501.4	503.0	504.6
150°	512.1	511.5	510.8	510.2	509.5	509.2	509.9	511.4	512.9	514.3	515.8
152.5°	523.3	522.6	521.8	521.1	520.4	520.0	520.7	522.1	523.4	524.8	526.2
155°	534.1	533.3	532.5	531.6	530.8	530.4	530.9	532.0	533.1	534.2	535.3
157.5°	542.8	542.1	541.3	540.6	539.9	539.5	539.9	540.7	541.6	542.4	543.2
160°	550.3	549.7	549.2	548.6	548.1	547.8	548.1	548.6	549.2	549.7	550.3
162.5°	557.0	556.4	555.9	555.3	554.8	554.5	554.7	555.2	555.6	556.1	556.5
165°	562.8	562.2	561.7	561.1	560.6	560.3	560.4	560.7	561.0	561.2	561.5
167.5°	567.4	566.8	566.3	565.7	565.2	564.9	565.0	565.3	565.6	565.8	566.1
170°	571.1	570.5	570.0	569.4	568.9	568.6	568.7	568.9	569.0	569.2	569.4
172.5°	573.6	573.0	572.5	571.9	571.4	571.1	571.2	571.4	571.5	571.7	571.9
175°	575.7	575.1	574.4	573.8	573.1	572.8	572.9	573.1	573.2	573.4	573.6
177.5°	576.5	575.9	575.2	574.6	573.9	573.6	573.6	573.7	573.8	573.9	574.0
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

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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°	8.8	9.2	9.7	10.2	10.4	10.5	10.7	10.8	11.0	11.2	11.0
92.5°	10.2	10.4	10.5	10.7	10.8	10.8	10.9	11.0	11.1	11.2	11.1
95°	16.7	17.1	17.6	18.1	18.3	18.3	18.2	18.1	18.0	17.9	18.0
97.5°	21.5	21.7	22.0	22.3	22.4	22.5	22.6	22.7	22.8	22.9	22.8
100°	24.4	25.2	25.9	26.6	27.0	27.1	27.3	27.4	27.6	27.8	27.6
102.5°	25.5	26.5	27.6	28.6	29.1	29.2	29.5	29.8	30.0	30.3	30.0
105°	26.4	27.4	28.4	29.4	29.9	30.1	30.5	30.8	31.2	31.6	31.2
107.5°	27.2	28.2	29.3	30.3	30.8	31.0	31.3	31.7	32.0	32.4	32.0
110°	63.5	54.3	45.0	35.8	31.2	31.4	31.7	32.1	32.4	32.8	32.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	171.3	131.5	91.7	51.9	32.0	32.1	32.4	32.7	33.0	33.3	33.0
115°	213.7	170.9	128.2	85.4	64.0	60.7	54.0	47.4	40.7	34.1	40.7
117.5°	265.7	252.5	239.3	226.1	219.5	207.4	183.2	159.0	134.8	110.6	134.8
120°	305.8	306.9	308.0	309.1	309.7	303.5	291.0	278.5	266.0	253.5	266.0
122.5°	329.8	330.3	330.9	331.4	331.7	331.7	331.8	331.9	332.0	332.1	332.0
125°	351.8	352.5	353.1	353.8	354.1	354.2	354.5	354.8	355.1	355.4	355.1
127.5°	372.5	373.4	374.3	375.2	375.7	375.8	375.9	376.0	376.1	376.2	376.1
130°	392.1	393.1	394.2	395.2	395.7	395.7	395.6	395.5	395.4	395.3	395.4
132.5°	411.5	412.3	413.2	414.0	414.4	414.4	414.3	414.2	414.1	414.0	414.1
135°	429.4	430.4	431.3	432.2	432.7	432.6	432.4	432.3	432.1	431.9	432.1
137.5°	446.5	447.4	448.3	449.2	449.7	449.6	449.3	449.0	448.8	448.5	448.8
140°	463.0	463.8	464.7	465.5	465.9	465.7	465.2	464.8	464.3	463.9	464.3
142.5°	478.3	479.1	479.8	480.5	480.9	480.7	480.2	479.7	479.3	478.8	479.3
145°	492.3	493.0	493.6	494.3	494.6	494.4	493.9	493.4	493.0	492.5	493.0
147.5°	505.1	505.5	506.0	506.5	506.7	506.5	506.1	505.8	505.4	505.0	505.4
150°	516.4	516.9	517.5	518.0	518.3	518.1	517.6	517.1	516.7	516.2	516.7
152.5°	526.8	527.3	527.9	528.4	528.7	528.4	527.7	527.1	526.4	525.8	526.4
155°	535.9	536.4	537.0	537.5	537.8	537.4	536.7	536.0	535.2	534.5	535.2
157.5°	543.9	544.5	545.2	545.9	546.2	545.8	545.1	544.3	543.6	542.8	543.6
160°	550.9	551.4	552.0	552.5	552.8	552.5	551.8	551.2	550.5	549.9	550.5
162.5°	557.2	557.8	558.5	559.2	559.5	559.1	558.2	557.4	556.5	555.7	556.5
165°	562.1	562.8	563.4	564.1	564.4	564.1	563.4	562.8	562.1	561.5	562.1
167.5°	566.7	567.4	568.0	568.7	569.0	568.6	567.8	566.9	566.1	565.3	566.1
170°	570.0	570.7	571.3	572.0	572.3	571.9	571.1	570.2	569.4	568.6	569.4
172.5°	572.5	573.2	573.8	574.5	574.8	574.4	573.6	572.7	571.9	571.1	571.9
175°	574.2	574.9	575.5	576.2	576.5	576.0	575.1	574.2	573.2	572.3	573.2
177.5°	574.6	575.3	575.9	576.6	576.9	576.5	575.7	574.8	574.0	573.2	574.0
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	10.8	10.7	10.5	10.4	10.2	9.7	9.2	8.8	8.3	7.6	6.8
92.5°	11.0	10.9	10.8	10.8	10.7	10.5	10.4	10.2	10.0	9.7	9.4
95°	18.1	18.2	18.3	18.3	18.1	17.6	17.1	16.7	16.2	15.6	14.9
97.5°	22.7	22.6	22.5	22.4	22.3	22.0	21.7	21.5	21.2	19.7	18.2
100°	27.4	27.3	27.1	27.0	26.6	25.9	25.2	24.4	23.7	22.1	20.5
102.5°	29.8	29.5	29.2	29.1	28.6	27.6	26.5	25.5	24.5	41.3	58.1
105°	30.8	30.5	30.1	29.9	29.4	28.4	27.4	26.4	25.4	50.6	75.8
107.5°	31.7	31.3	31.0	30.8	30.3	29.3	28.2	27.2	26.2	57.3	88.5
110°	32.1	31.7	31.4	31.2	35.8	45.0	54.3	63.5	72.7	99.4	126.1

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	32.7	32.4	32.1	32.0	51.9	91.7	131.5	171.3	211.1	212.7	214.3
115°	47.4	54.0	60.7	64.0	85.4	128.2	170.9	213.7	256.5	254.2	251.9
117.5°	159.0	183.2	207.4	219.5	226.1	239.3	252.5	265.7	278.9	277.3	275.7
120°	278.5	291.0	303.5	309.7	309.1	308.0	306.9	305.8	304.7	303.0	301.4
122.5°	331.9	331.8	331.7	331.7	331.4	330.9	330.3	329.8	329.2	327.4	325.5
125°	354.8	354.5	354.2	354.1	353.8	353.1	352.5	351.8	351.2	349.4	347.7
127.5°	376.0	375.9	375.8	375.7	375.2	374.3	373.4	372.5	371.6	370.2	368.8
130°	395.5	395.6	395.7	395.7	395.2	394.2	393.1	392.1	391.1	390.1	389.1
132.5°	414.2	414.3	414.4	414.4	414.0	413.2	412.3	411.5	410.7	409.7	408.7
135°	432.3	432.4	432.6	432.7	432.2	431.3	430.4	429.4	428.5	427.7	426.9
137.5°	449.0	449.3	449.6	449.7	449.2	448.3	447.4	446.5	445.6	444.7	443.7
140°	464.8	465.2	465.7	465.9	465.5	464.7	463.8	463.0	462.2	461.2	460.2
142.5°	479.7	480.2	480.7	480.9	480.5	479.8	479.1	478.3	477.6	476.4	475.2
145°	493.4	493.9	494.4	494.6	494.3	493.6	493.0	492.3	491.7	490.1	488.5
147.5°	505.8	506.1	506.5	506.7	506.5	506.0	505.5	505.1	504.6	503.0	501.4
150°	517.1	517.6	518.1	518.3	518.0	517.5	516.9	516.4	515.8	514.3	512.9
152.5°	527.1	527.7	528.4	528.7	528.4	527.9	527.3	526.8	526.2	524.8	523.4
155°	536.0	536.7	537.4	537.8	537.5	537.0	536.4	535.9	535.3	534.2	533.1
157.5°	544.3	545.1	545.8	546.2	545.9	545.2	544.5	543.9	543.2	542.4	541.6
160°	551.2	551.8	552.5	552.8	552.5	552.0	551.4	550.9	550.3	549.7	549.2
162.5°	557.4	558.2	559.1	559.5	559.2	558.5	557.8	557.2	556.5	556.1	555.6
165°	562.8	563.4	564.1	564.4	564.1	563.4	562.8	562.1	561.5	561.2	561.0
167.5°	566.9	567.8	568.6	569.0	568.7	568.0	567.4	566.7	566.1	565.8	565.6
170°	570.2	571.1	571.9	572.3	572.0	571.3	570.7	570.0	569.4	569.2	569.0
172.5°	572.7	573.6	574.4	574.8	574.5	573.8	573.2	572.5	571.9	571.7	571.5
175°	574.2	575.1	576.0	576.5	576.2	575.5	574.9	574.2	573.6	573.4	573.2
177.5°	574.8	575.7	576.5	576.9	576.6	575.9	575.3	574.6	574.0	573.9	573.8
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	6.1	5.4	5.0	4.5	3.5	2.4	1.4	0.4	1.4	2.4	3.5
92.5°	9.1	8.8	8.7	8.9	9.3	9.6	10.0	10.4	10.0	9.6	9.3
95°	14.3	13.6	13.3	14.8	17.9	20.9	24.0	27.0	24.0	20.9	17.9
97.5°	16.7	15.2	14.5	18.3	25.9	33.4	41.0	48.6	41.0	33.4	25.9
100°	19.0	17.4	16.6	22.9	35.6	48.3	60.9	73.6	60.9	48.3	35.6
102.5°	75.0	91.8	100.2	100.3	100.5	100.6	100.8	101.0	100.8	100.6	100.5
105°	101.0	126.2	138.8	137.4	134.7	131.9	129.2	126.4	129.2	131.9	134.7
107.5°	119.6	150.7	166.3	165.1	162.8	160.5	158.2	155.9	158.2	160.5	162.8
110°	152.8	179.5	192.9	191.9	190.0	188.0	186.1	184.1	186.1	188.0	190.0

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	215.8	217.4	218.2	217.4	215.7	214.0	212.4	210.7	212.4	214.0	215.7
115°	249.6	247.3	246.1	245.3	243.7	242.2	240.6	239.0	240.6	242.2	243.7
117.5°	274.2	272.6	271.8	270.9	269.0	267.2	265.3	263.5	265.3	267.2	269.0
120°	299.7	298.0	297.2	296.5	295.1	293.7	292.3	290.9	292.3	293.7	295.1
122.5°	323.7	321.8	320.9	320.2	318.7	317.2	315.7	314.2	315.7	317.2	318.7
125°	345.9	344.2	343.3	342.7	341.5	340.3	339.1	337.9	339.1	340.3	341.5
127.5°	367.4	366.0	365.3	364.7	363.4	362.1	360.8	359.5	360.8	362.1	363.4
130°	388.0	387.0	386.5	385.8	384.3	382.8	381.4	379.9	381.4	382.8	384.3
132.5°	407.6	406.6	406.1	405.5	404.3	403.1	401.9	400.7	401.9	403.1	404.3
135°	426.0	425.2	424.8	424.1	422.6	421.1	419.6	418.1	419.6	421.1	422.6
137.5°	442.8	441.9	441.4	440.8	439.7	438.6	437.5	436.4	437.5	438.6	439.7
140°	459.1	458.1	457.6	457.2	456.5	455.8	455.0	454.3	455.0	455.8	456.5
142.5°	474.0	472.8	472.2	471.9	471.2	470.6	469.9	469.3	469.9	470.6	471.2
145°	487.0	485.4	484.6	484.7	484.8	484.9	485.0	485.1	485.0	484.9	484.8
147.5°	499.9	498.3	497.5	497.6	497.9	498.2	498.5	498.8	498.5	498.2	497.9
150°	511.4	509.9	509.2	509.5	510.2	510.8	511.5	512.1	511.5	510.8	510.2
152.5°	522.1	520.7	520.0	520.4	521.1	521.8	522.6	523.3	522.6	521.8	521.1
155°	532.0	530.9	530.4	530.8	531.6	532.5	533.3	534.1	533.3	532.5	531.6
157.5°	540.7	539.9	539.5	539.9	540.6	541.3	542.1	542.8	542.1	541.3	540.6
160°	548.6	548.1	547.8	548.1	548.6	549.2	549.7	550.3	549.7	549.2	548.6
162.5°	555.2	554.7	554.5	554.8	555.3	555.9	556.4	557.0	556.4	555.9	555.3
165°	560.7	560.4	560.3	560.6	561.1	561.7	562.2	562.8	562.2	561.7	561.1
167.5°	565.3	565.0	564.9	565.2	565.7	566.3	566.8	567.4	566.8	566.3	565.7
170°	568.9	568.7	568.6	568.9	569.4	570.0	570.5	571.1	570.5	570.0	569.4
172.5°	571.4	571.2	571.1	571.4	571.9	572.5	573.0	573.6	573.0	572.5	571.9
175°	573.1	572.9	572.8	573.1	573.8	574.4	575.1	575.7	575.1	574.4	573.8
177.5°	573.7	573.6	573.6	573.9	574.6	575.2	575.9	576.5	575.9	575.2	574.6
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	4.5	5.0	5.4	6.1	6.8	7.6	8.3	8.8	9.2	9.7	10.2
92.5°	8.9	8.7	8.8	9.1	9.4	9.7	10.0	10.2	10.4	10.5	10.7
95°	14.8	13.3	13.6	14.3	14.9	15.6	16.2	16.7	17.1	17.6	18.1
97.5°	18.3	14.5	15.2	16.7	18.2	19.7	21.2	21.5	21.7	22.0	22.3
100°	22.9	16.6	17.4	19.0	20.5	22.1	23.7	24.4	25.2	25.9	26.6
102.5°	100.3	100.2	91.8	75.0	58.1	41.3	24.5	25.5	26.5	27.6	28.6
105°	137.4	138.8	126.2	101.0	75.8	50.6	25.4	26.4	27.4	28.4	29.4
107.5°	165.1	166.3	150.7	119.6	88.5	57.3	26.2	27.2	28.2	29.3	30.3
110°	191.9	192.9	179.5	152.8	126.1	99.4	72.7	63.5	54.3	45.0	35.8

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	217.4	218.2	217.4	215.8	214.3	212.7	211.1	171.3	131.5	91.7	51.9
115°	245.3	246.1	247.3	249.6	251.9	254.2	256.5	213.7	170.9	128.2	85.4
117.5°	270.9	271.8	272.6	274.2	275.7	277.3	278.9	265.7	252.5	239.3	226.1
120°	296.5	297.2	298.0	299.7	301.4	303.0	304.7	305.8	306.9	308.0	309.1
122.5°	320.2	320.9	321.8	323.7	325.5	327.4	329.2	329.8	330.3	330.9	331.4
125°	342.7	343.3	344.2	345.9	347.7	349.4	351.2	351.8	352.5	353.1	353.8
127.5°	364.7	365.3	366.0	367.4	368.8	370.2	371.6	372.5	373.4	374.3	375.2
130°	385.8	386.5	387.0	388.0	389.1	390.1	391.1	392.1	393.1	394.2	395.2
132.5°	405.5	406.1	406.6	407.6	408.7	409.7	410.7	411.5	412.3	413.2	414.0
135°	424.1	424.8	425.2	426.0	426.9	427.7	428.5	429.4	430.4	431.3	432.2
137.5°	440.8	441.4	441.9	442.8	443.7	444.7	445.6	446.5	447.4	448.3	449.2
140°	457.2	457.6	458.1	459.1	460.2	461.2	462.2	463.0	463.8	464.7	465.5
142.5°	471.9	472.2	472.8	474.0	475.2	476.4	477.6	478.3	479.1	479.8	480.5
145°	484.7	484.6	485.4	487.0	488.5	490.1	491.7	492.3	493.0	493.6	494.3
147.5°	497.6	497.5	498.3	499.9	501.4	503.0	504.6	505.1	505.5	506.0	506.5
150°	509.5	509.2	509.9	511.4	512.9	514.3	515.8	516.4	516.9	517.5	518.0
152.5°	520.4	520.0	520.7	522.1	523.4	524.8	526.2	526.8	527.3	527.9	528.4
155°	530.8	530.4	530.9	532.0	533.1	534.2	535.3	535.9	536.4	537.0	537.5
157.5°	539.9	539.5	539.9	540.7	541.6	542.4	543.2	543.9	544.5	545.2	545.9
160°	548.1	547.8	548.1	548.6	549.2	549.7	550.3	550.9	551.4	552.0	552.5
162.5°	554.8	554.5	554.7	555.2	555.6	556.1	556.5	557.2	557.8	558.5	559.2
165°	560.6	560.3	560.4	560.7	561.0	561.2	561.5	562.1	562.8	563.4	564.1
167.5°	565.2	564.9	565.0	565.3	565.6	565.8	566.1	566.7	567.4	568.0	568.7
170°	568.9	568.6	568.7	568.9	569.0	569.2	569.4	570.0	570.7	571.3	572.0
172.5°	571.4	571.1	571.2	571.4	571.5	571.7	571.9	572.5	573.2	573.8	574.5
175°	573.1	572.8	572.9	573.1	573.2	573.4	573.6	574.2	574.9	575.5	576.2
177.5°	573.9	573.6	573.6	573.7	573.8	573.9	574.0	574.6	575.3	575.9	576.6
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	10.4	10.5	10.7	10.8	11.0	11.2	11.0	10.8	10.7	10.5	10.4
92.5°	10.8	10.8	10.9	11.0	11.1	11.2	11.1	11.0	10.9	10.8	10.8
95°	18.3	18.3	18.2	18.1	18.0	17.9	18.0	18.1	18.2	18.3	18.3
97.5°	22.4	22.5	22.6	22.7	22.8	22.9	22.8	22.7	22.6	22.5	22.4
100°	27.0	27.1	27.3	27.4	27.6	27.8	27.6	27.4	27.3	27.1	27.0
102.5°	29.1	29.2	29.5	29.8	30.0	30.3	30.0	29.8	29.5	29.2	29.1
105°	29.9	30.1	30.5	30.8	31.2	31.6	31.2	30.8	30.5	30.1	29.9
107.5°	30.8	31.0	31.3	31.7	32.0	32.4	32.0	31.7	31.3	31.0	30.8
110°	31.2	31.4	31.7	32.1	32.4	32.8	32.4	32.1	31.7	31.4	31.2

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	32.0	32.1	32.4	32.7	33.0	33.3	33.0	32.7	32.4	32.1	32.0
115°	64.0	60.7	54.0	47.4	40.7	34.1	40.7	47.4	54.0	60.7	64.0
117.5°	219.5	207.4	183.2	159.0	134.8	110.6	134.8	159.0	183.2	207.4	219.5
120°	309.7	303.5	291.0	278.5	266.0	253.5	266.0	278.5	291.0	303.5	309.7
122.5°	331.7	331.7	331.8	331.9	332.0	332.1	332.0	331.9	331.8	331.7	331.7
125°	354.1	354.2	354.5	354.8	355.1	355.4	355.1	354.8	354.5	354.2	354.1
127.5°	375.7	375.8	375.9	376.0	376.1	376.2	376.1	376.0	375.9	375.8	375.7
130°	395.7	395.7	395.6	395.5	395.4	395.3	395.4	395.5	395.6	395.7	395.7
132.5°	414.4	414.4	414.3	414.2	414.1	414.0	414.1	414.2	414.3	414.4	414.4
135°	432.7	432.6	432.4	432.3	432.1	431.9	432.1	432.3	432.4	432.6	432.7
137.5°	449.7	449.6	449.3	449.0	448.8	448.5	448.8	449.0	449.3	449.6	449.7
140°	465.9	465.7	465.2	464.8	464.3	463.9	464.3	464.8	465.2	465.7	465.9
142.5°	480.9	480.7	480.2	479.7	479.3	478.8	479.3	479.7	480.2	480.7	480.9
145°	494.6	494.4	493.9	493.4	493.0	492.5	493.0	493.4	493.9	494.4	494.6
147.5°	506.7	506.5	506.1	505.8	505.4	505.0	505.4	505.8	506.1	506.5	506.7
150°	518.3	518.1	517.6	517.1	516.7	516.2	516.7	517.1	517.6	518.1	518.3
152.5°	528.7	528.4	527.7	527.1	526.4	525.8	526.4	527.1	527.7	528.4	528.7
155°	537.8	537.4	536.7	536.0	535.2	534.5	535.2	536.0	536.7	537.4	537.8
157.5°	546.2	545.8	545.1	544.3	543.6	542.8	543.6	544.3	545.1	545.8	546.2
160°	552.8	552.5	551.8	551.2	550.5	549.9	550.5	551.2	551.8	552.5	552.8
162.5°	559.5	559.1	558.2	557.4	556.5	555.7	556.5	557.4	558.2	559.1	559.5
165°	564.4	564.1	563.4	562.8	562.1	561.5	562.1	562.8	563.4	564.1	564.4
167.5°	569.0	568.6	567.8	566.9	566.1	565.3	566.1	566.9	567.8	568.6	569.0
170°	572.3	571.9	571.1	570.2	569.4	568.6	569.4	570.2	571.1	571.9	572.3
172.5°	574.8	574.4	573.6	572.7	571.9	571.1	571.9	572.7	573.6	574.4	574.8
175°	576.5	576.0	575.1	574.2	573.2	572.3	573.2	574.2	575.1	576.0	576.5
177.5°	576.9	576.5	575.7	574.8	574.0	573.2	574.0	574.8	575.7	576.5	576.9
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	10.2	9.7	9.2	8.8	8.3	7.6	6.8	6.1	5.4	5.0	4.5
92.5°	10.7	10.5	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.7	8.9
95°	18.1	17.6	17.1	16.7	16.2	15.6	14.9	14.3	13.6	13.3	14.8
97.5°	22.3	22.0	21.7	21.5	21.2	19.7	18.2	16.7	15.2	14.5	18.3
100°	26.6	25.9	25.2	24.4	23.7	22.1	20.5	19.0	17.4	16.6	22.9
102.5°	28.6	27.6	26.5	25.5	24.5	41.3	58.1	75.0	91.8	100.2	100.3
105°	29.4	28.4	27.4	26.4	25.4	50.6	75.8	101.0	126.2	138.8	137.4
107.5°	30.3	29.3	28.2	27.2	26.2	57.3	88.5	119.6	150.7	166.3	165.1
110°	35.8	45.0	54.3	63.5	72.7	99.4	126.1	152.8	179.5	192.9	191.9

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	51.9	91.7	131.5	171.3	211.1	212.7	214.3	215.8	217.4	218.2	217.4
115°	85.4	128.2	170.9	213.7	256.5	254.2	251.9	249.6	247.3	246.1	245.3
117.5°	226.1	239.3	252.5	265.7	278.9	277.3	275.7	274.2	272.6	271.8	270.9
120°	309.1	308.0	306.9	305.8	304.7	303.0	301.4	299.7	298.0	297.2	296.5
122.5°	331.4	330.9	330.3	329.8	329.2	327.4	325.5	323.7	321.8	320.9	320.2
125°	353.8	353.1	352.5	351.8	351.2	349.4	347.7	345.9	344.2	343.3	342.7
127.5°	375.2	374.3	373.4	372.5	371.6	370.2	368.8	367.4	366.0	365.3	364.7
130°	395.2	394.2	393.1	392.1	391.1	390.1	389.1	388.0	387.0	386.5	385.8
132.5°	414.0	413.2	412.3	411.5	410.7	409.7	408.7	407.6	406.6	406.1	405.5
135°	432.2	431.3	430.4	429.4	428.5	427.7	426.9	426.0	425.2	424.8	424.1
137.5°	449.2	448.3	447.4	446.5	445.6	444.7	443.7	442.8	441.9	441.4	440.8
140°	465.5	464.7	463.8	463.0	462.2	461.2	460.2	459.1	458.1	457.6	457.2
142.5°	480.5	479.8	479.1	478.3	477.6	476.4	475.2	474.0	472.8	472.2	471.9
145°	494.3	493.6	493.0	492.3	491.7	490.1	488.5	487.0	485.4	484.6	484.7
147.5°	506.5	506.0	505.5	505.1	504.6	503.0	501.4	499.9	498.3	497.5	497.6
150°	518.0	517.5	516.9	516.4	515.8	514.3	512.9	511.4	509.9	509.2	509.5
152.5°	528.4	527.9	527.3	526.8	526.2	524.8	523.4	522.1	520.7	520.0	520.4
155°	537.5	537.0	536.4	535.9	535.3	534.2	533.1	532.0	530.9	530.4	530.8
157.5°	545.9	545.2	544.5	543.9	543.2	542.4	541.6	540.7	539.9	539.5	539.9
160°	552.5	552.0	551.4	550.9	550.3	549.7	549.2	548.6	548.1	547.8	548.1
162.5°	559.2	558.5	557.8	557.2	556.5	556.1	555.6	555.2	554.7	554.5	554.8
165°	564.1	563.4	562.8	562.1	561.5	561.2	561.0	560.7	560.4	560.3	560.6
167.5°	568.7	568.0	567.4	566.7	566.1	565.8	565.6	565.3	565.0	564.9	565.2
170°	572.0	571.3	570.7	570.0	569.4	569.2	569.0	568.9	568.7	568.6	568.9
172.5°	574.5	573.8	573.2	572.5	571.9	571.7	571.5	571.4	571.2	571.1	571.4
175°	576.2	575.5	574.9	574.2	573.6	573.4	573.2	573.1	572.9	572.8	573.1
177.5°	576.6	575.9	575.3	574.6	574.0	573.9	573.8	573.7	573.6	573.6	573.9
180°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_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°	3.5	2.4	1.4	0.4
92.5°	9.3	9.6	10.0	10.4
95°	17.9	20.9	24.0	27.0
97.5°	25.9	33.4	41.0	48.6
100°	35.6	48.3	60.9	73.6
102.5°	100.5	100.6	100.8	101.0
105°	134.7	131.9	129.2	126.4
107.5°	162.8	160.5	158.2	155.9
110°	190.0	188.0	186.1	184.1

TEST NUMBER: P1029223

CATALOG NUMBER: S122DIW-B1005D435UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	215.7	214.0	212.4	210.7
115°	243.7	242.2	240.6	239.0
117.5°	269.0	267.2	265.3	263.5
120°	295.1	293.7	292.3	290.9
122.5°	318.7	317.2	315.7	314.2
125°	341.5	340.3	339.1	337.9
127.5°	363.4	362.1	360.8	359.5
130°	384.3	382.8	381.4	379.9
132.5°	404.3	403.1	401.9	400.7
135°	422.6	421.1	419.6	418.1
137.5°	439.7	438.6	437.5	436.4
140°	456.5	455.8	455.0	454.3
142.5°	471.2	470.6	469.9	469.3
145°	484.8	484.9	485.0	485.1
147.5°	497.9	498.2	498.5	498.8
150°	510.2	510.8	511.5	512.1
152.5°	521.1	521.8	522.6	523.3
155°	531.6	532.5	533.3	534.1
157.5°	540.6	541.3	542.1	542.8
160°	548.6	549.2	549.7	550.3
162.5°	555.3	555.9	556.4	557.0
165°	561.1	561.7	562.2	562.8
167.5°	565.7	566.3	566.8	567.4
170°	569.4	570.0	570.5	571.1
172.5°	571.9	572.5	573.0	573.6
175°	573.8	574.4	575.1	575.7
177.5°	574.6	575.2	575.9	576.5
180°	574.4	574.4	574.4	574.4

(END OF REPORT)