

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: P1032585

Luminaire Tested: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032585
REPORT IS A COMBINATION OF REPORTS P997158 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K
Description: Define 4 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

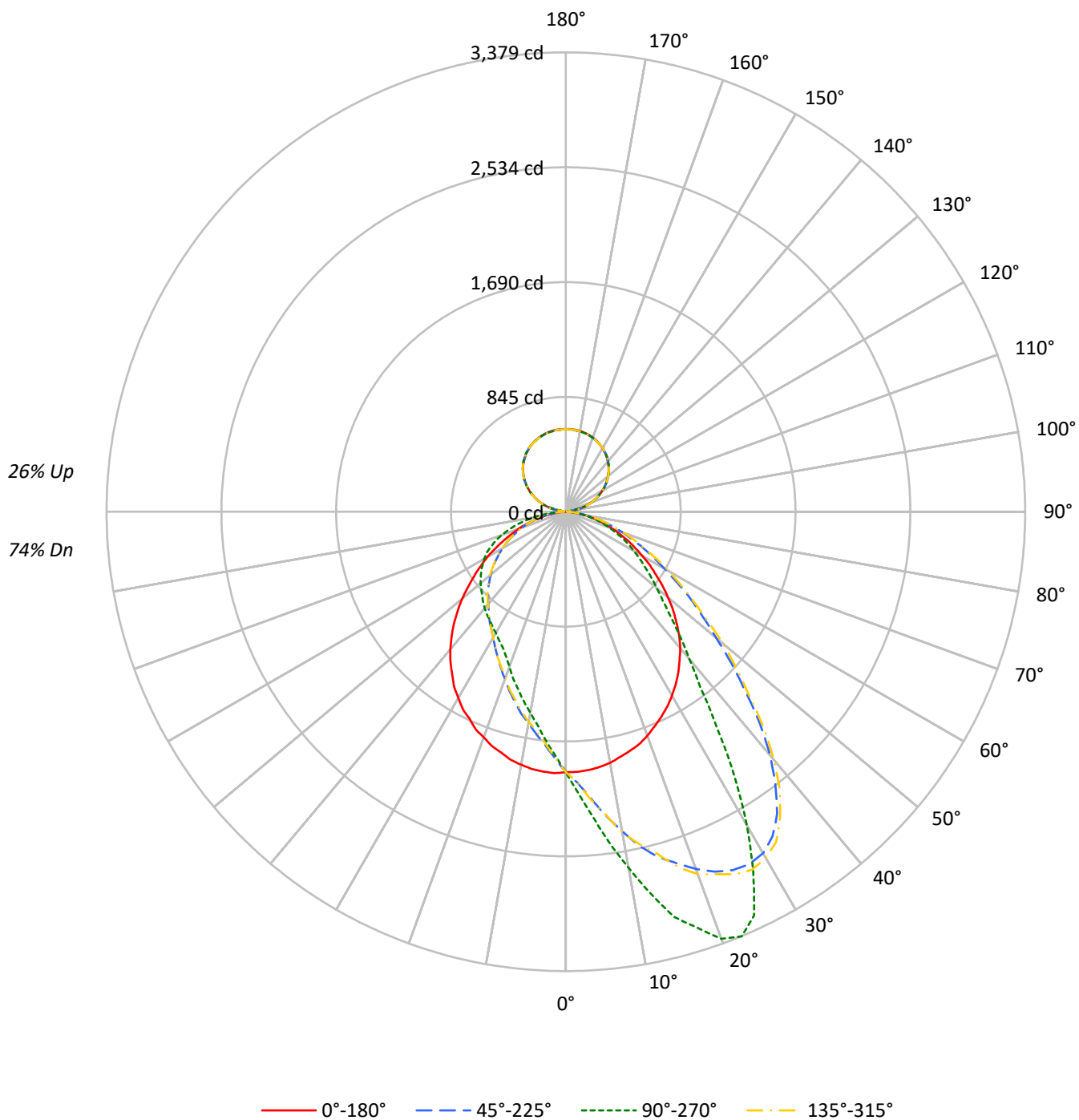
Lumens per Lamp: N/A
Luminaire Lumens: 7165.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74		
1	103	99	95	92	98	94	91	88	85	83	80	77	75	73	69	68	67	63		
2	94	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57	53		
3	86	77	69	63	82	73	67	61	67	61	57	61	56	53	55	51	49	45		
4	79	68	60	54	75	65	58	52	60	54	49	54	49	45	49	45	42	39		
5	73	61	53	47	69	59	51	45	54	47	42	49	44	40	45	40	37	34		
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	41	36	33	30		
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29	27		
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24		
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22		
10	51	39	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15615	15615	15615	15615
5°	15576	17914	15667	13460
10°	15459	20900	15577	11809
15°	15273	24094	15380	10567
20°	15076	26126	15185	9474
25°	14787	25827	14928	8667
30°	14505	21347	14681	8251
35°	14109	15908	14264	8000
40°	13647	11984	13778	7877
45°	12941	9618	13102	7709
50°	12097	8103	12274	7630
55°	11106	7052	11281	7540
60°	10144	6211	10441	7415
65°	9239	5343	9327	7106
70°	8177	4396	8353	6543
75°	7132	3378	7086	5559
80°	5610	2220	5548	4220
85°	3697	998	3464	2461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	2.6
10°-20°	575.2	8.0
20°-30°	913.8	12.8
30°-40°	1015.4	14.2
40°-50°	923.4	12.9
50°-60°	754.6	10.5
60°-70°	538.6	7.5
70°-80°	296.4	4.1
80°-90°	81.4	1.1
90°-100°	20.2	0.3
100°-110°	132.8	1.9
110°-120°	253.6	3.5
120°-130°	321.9	4.5
130°-140°	344.4	4.8
140°-150°	322.0	4.5
150°-160°	259.7	3.6
160°-170°	167.5	2.3
170°-180°	57.7	0.8
0°-30°	1675.4	23.4
0°-40°	2690.8	37.6
0°-60°	4368.8	61.0
0°-90°	5285.3	73.8
90°-120°	406.6	5.7
90°-150°	1394.9	19.5
90°-180°	1880.0	26.2
0°-180°	7165.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1915	1915	1915	1915	1915	
5°	1907	2246	1918	1688	1907	181
15°	1821	3086	1834	1353	1821	514
25°	1663	3276	1678	1099	1663	766
35°	1442	1937	1458	974	1442	901
45°	1150	1087	1164	871	1150	887
55°	809	711	822	760	809	728
65°	504	457	509	608	504	498
75°	248	228	246	376	248	260
85°	51	48	48	117	51	59
90°	1	14	1	14	1	4
95°	25	13	25	13	25	31
105°	137	130	137	130	137	143
115°	255	257	255	257	255	251
125°	359	362	359	362	359	321
135°	445	448	445	448	445	343
145°	513	516	513	516	513	321
155°	563	562	563	562	563	260
165°	594	591	594	591	594	168
175°	608	604	608	604	608	58
180°	608	608	608	608	608	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1914.9	1933.9	1941.9	1948.2	1968.8	1975.2	1976.8	1986.3	1994.2	1995.8	1995.8
5°	1907.0	1937.1	1960.9	1983.1	2016.4	2030.7	2048.2	2067.2	2092.6	2108.4	2116.4
7.5°	1894.3	1938.7	1975.2	2013.3	2059.3	2087.8	2103.7	2154.4	2189.4	2217.9	2252.8
10°	1875.2	1932.3	1984.7	2040.2	2105.3	2140.2	2175.1	2236.9	2286.1	2341.7	2386.1
12.5°	1846.7	1921.2	1984.7	2062.4	2143.3	2184.6	2225.8	2333.7	2390.8	2440.0	2519.3
15°	1821.3	1895.9	1986.3	2065.6	2165.6	2227.4	2287.7	2357.5	2447.9	2554.2	2630.4
17.5°	1792.7	1886.3	1970.4	2081.5	2192.5	2251.2	2300.4	2408.3	2535.2	2639.9	2709.7
20°	1753.1	1848.3	1959.3	2076.7	2208.4	2254.4	2319.4	2463.8	2578.0	2681.2	2795.4
22.5°	1707.1	1818.1	1935.5	2048.2	2184.6	2281.4	2352.8	2479.7	2617.7	2736.7	2865.2
25°	1662.6	1783.2	1886.3	2040.2	2184.6	2249.6	2330.5	2481.3	2632.0	2776.4	2908.0
27.5°	1615.0	1727.7	1867.3	1989.5	2152.9	2224.3	2311.5	2476.5	2636.7	2781.1	2922.3
30°	1562.7	1683.3	1799.1	1943.4	2102.1	2194.1	2275.0	2454.3	2617.7	2768.4	2900.1
32.5°	1504.0	1618.2	1742.0	1878.4	2045.0	2138.6	2240.1	2424.2	2598.7	2728.8	2830.3
35°	1442.1	1557.9	1665.8	1805.4	1976.8	2070.4	2168.7	2371.8	2544.7	2651.0	2709.7
37.5°	1373.9	1483.4	1589.7	1727.7	1899.0	1999.0	2098.9	2295.6	2459.1	2547.9	2532.0
40°	1308.9	1407.2	1505.6	1635.7	1814.9	1921.2	2008.5	2206.8	2349.6	2387.7	2335.3
42.5°	1234.3	1318.4	1413.6	1546.8	1721.3	1821.3	1930.8	2111.6	2217.9	2202.0	2113.2
45°	1150.2	1224.8	1320.0	1445.3	1623.0	1726.1	1818.1	1989.5	2067.2	2027.5	1865.7
47.5°	1069.3	1142.3	1220.0	1345.3	1518.3	1605.5	1699.1	1853.0	1897.4	1813.4	1651.5
50°	982.0	1042.3	1123.2	1242.2	1404.0	1496.1	1573.8	1697.5	1713.4	1610.3	1442.1
52.5°	898.0	948.7	1026.5	1143.9	1294.6	1367.6	1443.7	1553.2	1540.5	1434.2	1272.4
55°	809.1	856.7	928.1	1036.0	1169.2	1239.0	1304.1	1400.9	1373.9	1264.4	1123.2
57.5°	734.5	767.9	837.7	937.6	1047.1	1123.2	1178.8	1254.9	1213.7	1104.2	972.5
60°	648.9	690.1	748.8	829.7	937.6	988.4	1037.6	1088.3	1059.8	955.1	837.7
62.5°	571.1	602.9	653.6	731.4	815.5	861.5	913.8	945.5	917.0	820.2	721.9
65°	504.5	529.9	569.5	633.0	713.9	752.0	782.1	812.3	788.5	698.1	626.7
67.5°	431.5	453.7	487.1	537.8	606.0	633.0	661.6	682.2	655.2	594.9	525.1
70°	366.5	382.3	414.1	452.1	499.7	525.1	548.9	569.5	545.8	495.0	442.6
72.5°	299.8	312.5	341.1	368.1	410.9	428.4	445.8	461.7	453.7	406.1	363.3
75°	247.5	252.3	271.3	293.5	320.5	339.5	352.2	361.7	355.4	317.3	290.3
77.5°	187.2	193.6	207.8	225.3	249.1	260.2	268.1	277.6	269.7	239.6	220.5
80°	136.4	138.0	146.0	161.8	177.7	179.3	187.2	199.9	195.1	174.5	160.2
82.5°	87.3	92.0	95.2	104.7	115.8	119.0	123.7	126.9	125.3	112.6	107.9
85°	50.8	50.8	53.9	60.3	63.5	68.2	69.8	71.4	74.6	66.6	61.9
87.5°	22.2	23.8	23.8	25.4	28.6	28.6	30.1	31.7	33.3	31.7	27.0
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.4	9.2	10.0
92.5°	6.8	6.6	6.4	6.2	6.0	5.9	6.3	7.1	7.9	8.7	9.5
95°	25.0	21.6	18.1	14.7	11.2	9.5	9.6	9.7	9.8	9.9	10.0
97.5°	47.7	49.9	52.1	54.4	56.6	57.7	52.4	41.8	31.2	20.6	10.0
100°	74.5	76.3	78.1	80.0	81.8	82.7	75.7	61.8	47.9	33.9	20.0
102.5°	104.5	105.7	106.9	108.2	109.4	110.0	110.6	111.8	113.0	114.2	115.4
105°	136.8	137.4	138.0	138.6	139.2	139.5	139.8	140.3	140.8	141.3	141.8
107.5°	166.3	166.6	166.9	167.2	167.5	167.7	168.0	168.7	169.4	170.1	170.8
110°	196.3	196.6	196.9	197.2	197.5	197.6	197.9	198.5	199.2	199.8	200.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.4	226.0	226.6	227.2	227.8	228.1	228.2	228.4	228.6	228.8	229.0
115°	255.3	255.6	255.9	256.2	256.5	256.7	256.7	256.6	256.5	256.4	256.3
117.5°	282.2	282.6	283.0	283.4	283.8	284.0	284.1	284.4	284.7	285.0	285.3
120°	309.4	309.8	310.2	310.6	311.0	311.2	311.2	311.1	311.0	310.9	310.8
122.5°	334.9	335.1	335.3	335.5	335.7	335.8	335.9	336.1	336.3	336.5	336.7
125°	358.9	359.3	359.7	360.2	360.6	360.8	360.7	360.5	360.3	360.1	359.9
127.5°	382.1	382.2	382.3	382.4	382.5	382.6	382.8	383.3	383.8	384.3	384.8
130°	404.4	404.5	404.6	404.7	404.8	404.8	405.0	405.3	405.6	405.9	406.2
132.5°	424.8	425.0	425.2	425.4	425.6	425.7	425.9	426.3	426.8	427.2	427.6
135°	445.3	445.2	445.1	445.0	444.9	444.8	445.0	445.4	445.8	446.2	446.6
137.5°	463.4	463.4	463.4	463.4	463.4	463.4	463.7	464.2	464.7	465.2	465.7
140°	481.2	481.4	481.6	481.8	482.0	482.1	482.2	482.4	482.6	482.8	483.0
142.5°	497.1	497.5	497.9	498.3	498.7	498.9	498.9	499.0	499.1	499.2	499.3
145°	513.4	513.7	514.0	514.3	514.6	514.8	514.8	514.8	514.8	514.8	514.8
147.5°	526.1	526.7	527.3	528.0	528.6	528.9	528.8	528.7	528.6	528.5	528.4
150°	540.2	540.6	541.0	541.4	541.8	542.0	542.0	541.9	541.8	541.7	541.6
152.5°	552.0	552.3	552.6	552.9	553.2	553.4	553.3	553.1	552.9	552.7	552.5
155°	562.9	563.0	563.1	563.2	563.3	563.4	563.2	562.9	562.6	562.3	562.0
157.5°	572.5	572.5	572.5	572.5	572.5	572.5	572.3	571.9	571.5	571.1	570.7
160°	580.7	580.4	580.1	579.8	579.5	579.3	579.3	579.2	579.1	579.0	578.9
162.5°	587.9	587.5	587.1	586.7	586.3	586.1	586.1	586.0	585.9	585.8	585.7
165°	593.8	593.3	592.8	592.3	591.8	591.6	591.6	591.6	591.6	591.6	591.6
167.5°	598.8	598.3	597.8	597.3	596.8	596.6	596.5	596.4	596.3	596.2	596.1
170°	602.9	602.3	601.7	601.1	600.5	600.2	600.3	600.4	600.5	600.6	600.7
172.5°	605.7	605.1	604.5	603.8	603.2	602.9	603.0	603.1	603.2	603.3	603.4
175°	607.5	606.9	606.3	605.7	605.1	604.8	604.8	604.9	605.0	605.1	605.2
177.5°	608.8	608.1	607.4	606.7	606.0	605.7	605.8	606.0	606.2	606.4	606.6
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	2000.6	2029.1	2041.8	2045.0	2062.4	2051.3	2056.1	2054.5	2067.2	2068.8	2068.8
5°	2146.5	2179.8	2190.9	2206.8	2230.6	2236.9	2232.2	2241.7	2259.2	2246.5	2265.5
7.5°	2300.4	2336.9	2362.3	2397.2	2405.1	2425.7	2438.4	2449.5	2452.7	2454.3	2457.5
10°	2443.2	2489.2	2524.1	2582.8	2595.5	2606.6	2662.1	2639.9	2668.5	2659.0	2662.1
12.5°	2559.0	2649.4	2678.0	2776.4	2785.9	2823.9	2820.8	2855.7	2862.0	2874.7	2862.0
15°	2711.3	2816.0	2862.0	2917.5	2949.3	2993.7	3001.6	3049.2	3068.3	3085.7	3068.3
17.5°	2850.9	2906.4	3023.8	3068.3	3088.9	3112.7	3173.0	3190.4	3219.0	3207.9	3239.6
20°	2920.7	3000.0	3123.8	3199.9	3231.7	3253.9	3304.7	3331.6	3342.7	3342.7	3345.9
22.5°	2982.6	3096.8	3188.8	3276.1	3304.7	3320.5	3350.7	3371.3	3376.0	3379.2	3382.4
25°	3038.1	3141.2	3215.8	3265.0	3276.1	3276.1	3293.5	3280.9	3260.2	3276.1	3285.6
27.5°	3038.1	3111.1	3144.4	3161.9	3161.9	3119.0	3093.6	3041.3	2996.9	2984.2	3012.7
30°	2987.4	3020.7	2974.7	2931.8	2898.5	2870.0	2770.0	2690.7	2674.8	2663.7	2706.5
32.5°	2870.0	2827.1	2736.7	2612.9	2563.8	2498.7	2421.0	2360.7	2324.2	2311.5	2302.0
35°	2662.1	2551.1	2433.7	2267.1	2232.2	2149.7	2043.4	1999.0	1938.7	1937.1	1957.7
37.5°	2435.3	2263.9	2137.0	1978.3	1929.2	1841.9	1742.0	1696.0	1654.7	1623.0	1661.1
40°	2170.3	2021.2	1827.6	1697.5	1627.7	1581.7	1497.6	1446.9	1427.8	1412.0	1435.8
42.5°	1922.8	1759.4	1608.7	1475.4	1418.3	1366.0	1310.4	1261.3	1247.0	1245.4	1262.8
45°	1676.9	1516.7	1377.1	1262.8	1226.4	1194.6	1140.7	1126.4	1102.6	1086.7	1094.7
47.5°	1480.2	1315.2	1199.4	1112.1	1080.4	1053.4	1018.5	994.7	974.1	967.8	977.3
50°	1286.6	1175.6	1056.6	983.6	959.8	934.4	907.5	885.3	875.7	869.4	875.7
52.5°	1131.2	1012.2	931.3	872.6	848.8	829.7	810.7	801.2	788.5	791.7	798.0
55°	991.6	886.8	818.6	775.8	761.5	753.6	729.8	718.7	713.9	710.7	713.9
57.5°	859.9	783.7	733.0	696.5	677.4	672.7	653.6	653.6	648.9	644.1	645.7
60°	755.2	690.1	640.9	612.4	609.2	601.3	588.6	587.0	575.9	580.7	582.2
62.5°	648.9	596.5	563.2	545.8	534.6	531.5	523.5	522.0	517.2	518.8	515.6
65°	564.8	522.0	488.6	474.4	469.6	468.0	461.7	456.9	453.7	456.9	453.7
67.5°	480.7	452.1	426.8	412.5	406.1	404.6	399.8	396.6	398.2	393.4	396.6
70°	401.4	372.8	357.0	349.0	345.9	341.1	341.1	341.1	341.1	337.9	336.3
72.5°	337.9	309.4	298.3	293.5	290.3	288.7	284.0	285.6	284.0	282.4	288.7
75°	268.1	250.7	239.6	234.8	238.0	233.2	228.5	231.6	226.9	228.5	234.8
77.5°	203.1	195.1	188.8	185.6	182.4	179.3	179.3	176.1	176.1	176.1	176.1
80°	147.5	146.0	134.9	133.3	133.3	130.1	130.1	130.1	130.1	128.5	130.1
82.5°	98.4	96.8	93.6	92.0	88.8	90.4	90.4	87.3	87.3	85.7	87.3
85°	57.1	57.1	53.9	52.4	50.8	52.4	49.2	47.6	49.2	47.6	49.2
87.5°	27.0	23.8	25.4	23.8	20.6	22.2	19.0	20.6	19.0	17.5	20.6
90°	10.6	11.2	11.8	12.4	12.7	12.8	13.0	13.2	13.4	13.6	13.4
92.5°	10.1	10.7	11.4	12.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3
95°	10.6	11.2	11.8	12.4	12.7	12.8	12.9	13.0	13.1	13.2	13.1
97.5°	10.5	11.0	11.5	12.0	12.3	12.3	12.4	12.5	12.6	12.7	12.6
100°	18.3	16.6	14.9	13.2	12.3	12.3	12.4	12.5	12.6	12.7	12.6
102.5°	92.7	70.0	47.3	24.6	13.2	13.2	13.2	13.2	13.2	13.2	13.2
105°	142.7	143.6	144.5	145.4	145.8	144.0	140.4	136.7	133.1	129.5	133.1
107.5°	171.3	171.8	172.3	172.8	173.1	173.3	173.7	174.1	174.5	174.9	174.5
110°	200.6	200.8	201.0	201.2	201.3	201.4	201.7	202.0	202.3	202.6	202.3

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	228.9	228.8	228.7	228.6	228.5	228.7	229.1	229.6	230.0	230.4	230.0
115°	256.5	256.7	256.9	257.1	257.2	257.2	257.2	257.2	257.2	257.2	257.2
117.5°	285.2	285.1	285.0	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
120°	311.0	311.2	311.4	311.6	311.7	311.6	311.4	311.2	311.0	310.8	311.0
122.5°	336.8	336.9	337.0	337.1	337.1	337.0	336.8	336.6	336.4	336.2	336.4
125°	360.2	360.5	360.8	361.1	361.2	361.3	361.4	361.5	361.6	361.7	361.6
127.5°	384.7	384.6	384.5	384.4	384.4	384.3	384.2	384.1	384.0	383.9	384.0
130°	406.3	406.4	406.5	406.6	406.7	406.7	406.7	406.7	406.7	406.7	406.7
132.5°	427.7	427.8	427.9	428.0	428.0	428.0	427.9	427.8	427.7	427.6	427.7
135°	446.8	447.0	447.2	447.4	447.5	447.6	447.8	448.1	448.3	448.5	448.3
137.5°	465.9	466.1	466.3	466.5	466.6	466.6	466.5	466.4	466.3	466.2	466.3
140°	483.3	483.6	483.9	484.2	484.3	484.4	484.5	484.6	484.7	484.8	484.7
142.5°	499.5	499.7	499.9	500.1	500.2	500.2	500.2	500.2	500.2	500.2	500.2
145°	514.9	515.0	515.1	515.2	515.2	515.3	515.5	515.8	516.0	516.2	516.0
147.5°	528.5	528.6	528.7	528.8	528.9	528.9	529.0	529.1	529.2	529.3	529.2
150°	541.6	541.6	541.6	541.6	541.6	541.6	541.7	541.8	541.9	542.0	541.9
152.5°	552.7	552.9	553.1	553.3	553.4	553.4	553.3	553.2	553.1	553.0	553.1
155°	562.4	562.8	563.3	563.7	563.9	563.7	563.4	563.1	562.8	562.5	562.8
157.5°	571.2	571.7	572.2	572.7	572.9	572.7	572.2	571.7	571.2	570.7	571.2
160°	579.5	580.1	580.7	581.3	581.6	581.3	580.7	580.1	579.5	578.9	579.5
162.5°	586.3	586.9	587.5	588.1	588.4	588.0	587.3	586.6	585.9	585.2	585.9
165°	592.4	593.2	594.0	594.8	595.2	594.7	593.8	592.9	592.0	591.1	592.0
167.5°	597.0	597.9	598.8	599.7	600.2	599.7	598.7	597.7	596.7	595.7	596.7
170°	601.5	602.3	603.1	603.9	604.3	603.8	602.8	601.8	600.8	599.8	600.8
172.5°	604.2	605.0	605.8	606.6	607.0	606.4	605.3	604.2	603.1	602.0	603.1
175°	606.1	607.0	607.9	608.8	609.3	608.7	607.5	606.2	605.0	603.8	605.0
177.5°	607.4	608.2	609.0	609.8	610.2	609.6	608.4	607.2	606.0	604.8	606.0
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	2065.6	2060.8	2054.5	2054.5	2046.6	2046.6	2033.9	2011.7	1992.6	1986.3	1989.5
5°	2241.7	2243.3	2233.8	2225.8	2211.6	2200.5	2179.8	2140.2	2127.5	2102.1	2084.6
7.5°	2443.2	2436.8	2419.4	2406.7	2403.5	2378.1	2333.7	2286.1	2248.1	2222.7	2186.2
10°	2670.1	2644.7	2619.3	2611.4	2592.3	2549.5	2498.7	2446.4	2394.0	2338.5	2276.6
12.5°	2860.4	2811.3	2809.7	2790.6	2754.1	2730.3	2670.1	2595.5	2505.1	2443.2	2373.4
15°	3065.1	3019.1	2981.0	2946.1	2928.7	2858.8	2808.1	2714.5	2606.6	2540.0	2492.4
17.5°	3211.0	3190.4	3125.4	3109.5	3085.7	3004.8	2923.9	2831.9	2738.3	2644.7	2516.2
20°	3328.4	3315.8	3272.9	3250.7	3212.6	3149.2	3050.8	2944.5	2836.6	2703.4	2582.8
22.5°	3379.2	3363.4	3328.4	3309.4	3285.6	3231.7	3147.6	3027.0	2885.8	2766.8	2638.3
25°	3279.3	3307.8	3298.3	3290.4	3280.9	3249.1	3185.7	3079.4	2941.3	2806.5	2646.3
27.5°	3054.0	3103.2	3150.8	3157.1	3173.0	3185.7	3160.3	3084.1	2968.3	2825.5	2649.4
30°	2751.0	2773.2	2870.0	2898.5	2920.7	3001.6	3049.2	3030.2	2941.3	2812.8	2651.0
32.5°	2362.3	2421.0	2519.3	2587.6	2647.8	2738.3	2862.0	2911.2	2879.5	2774.8	2614.5
35°	1994.2	2064.0	2178.2	2265.5	2325.8	2454.3	2600.3	2706.5	2746.2	2693.9	2551.1
37.5°	1692.8	1776.9	1878.4	1911.7	1981.5	2140.2	2341.7	2489.2	2586.0	2590.7	2479.7
40°	1465.9	1508.7	1589.7	1640.4	1708.6	1841.9	2038.6	2233.8	2379.7	2428.9	2370.2
42.5°	1273.9	1307.3	1367.6	1429.4	1491.3	1592.8	1773.7	1956.1	2152.9	2251.2	2249.6
45°	1121.6	1156.5	1197.8	1248.6	1291.4	1400.9	1543.7	1730.9	1900.6	2052.9	2091.0
47.5°	988.4	1018.5	1069.3	1091.5	1120.1	1223.2	1346.9	1521.4	1697.5	1872.1	1916.5
50°	890.0	915.4	950.3	964.6	996.3	1072.5	1174.0	1315.2	1510.3	1670.6	1753.1
52.5°	801.2	820.2	847.2	858.3	880.5	937.6	1029.6	1140.7	1302.5	1467.5	1583.3
55°	725.0	737.7	756.8	769.4	785.3	836.1	904.3	1004.2	1143.9	1286.6	1399.3
57.5°	653.6	663.2	682.2	688.5	701.2	740.9	788.5	872.6	1001.1	1128.0	1237.5
60°	587.0	593.3	604.5	618.7	628.2	655.2	699.6	769.4	872.6	988.4	1077.2
62.5°	523.5	533.1	536.2	542.6	550.5	575.9	610.8	661.6	752.0	847.2	940.8
65°	458.5	466.4	472.8	474.4	482.3	501.3	533.1	577.5	636.2	718.7	805.9
67.5°	398.2	403.0	406.1	412.5	420.4	429.9	455.3	488.6	542.6	609.2	679.0
70°	342.7	342.7	347.4	349.0	358.5	369.7	380.8	412.5	460.1	514.0	561.6
72.5°	282.4	290.3	288.7	296.7	295.1	303.0	317.3	337.9	372.8	415.7	461.7
75°	230.0	234.8	234.8	234.8	238.0	244.3	252.3	271.3	298.3	333.2	360.1
77.5°	179.3	182.4	182.4	182.4	184.0	190.4	198.3	211.0	230.0	250.7	266.5
80°	128.5	131.7	131.7	134.9	134.9	136.4	144.4	150.7	160.2	176.1	192.0
82.5°	87.3	88.8	92.0	92.0	90.4	93.6	95.2	101.5	111.1	114.2	125.3
85°	47.6	49.2	50.8	50.8	52.4	55.5	53.9	60.3	60.3	66.6	69.8
87.5°	19.0	22.2	22.2	20.6	22.2	22.2	22.2	25.4	27.0	28.6	27.0
90°	13.2	13.0	12.8	12.7	12.4	11.8	11.2	10.6	10.0	9.2	8.4
92.5°	12.3	12.3	12.3	12.3	12.0	11.4	10.7	10.1	9.5	8.7	7.9
95°	13.0	12.9	12.8	12.7	12.4	11.8	11.2	10.6	10.0	9.9	9.8
97.5°	12.5	12.4	12.3	12.3	12.0	11.5	11.0	10.5	10.0	20.6	31.2
100°	12.5	12.4	12.3	12.3	13.2	14.9	16.6	18.3	20.0	33.9	47.9
102.5°	13.2	13.2	13.2	13.2	24.6	47.3	70.0	92.7	115.4	114.2	113.0
105°	136.7	140.4	144.0	145.8	145.4	144.5	143.6	142.7	141.8	141.3	140.8
107.5°	174.1	173.7	173.3	173.1	172.8	172.3	171.8	171.3	170.8	170.1	169.4
110°	202.0	201.7	201.4	201.3	201.2	201.0	200.8	200.6	200.4	199.8	199.2



TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	229.6	229.1	228.7	228.5	228.6	228.7	228.8	228.9	229.0	228.8	228.6
115°	257.2	257.2	257.2	257.2	257.1	256.9	256.7	256.5	256.3	256.4	256.5
117.5°	284.9	284.9	284.9	284.9	284.9	285.0	285.1	285.2	285.3	285.0	284.7
120°	311.2	311.4	311.6	311.7	311.6	311.4	311.2	311.0	310.8	310.9	311.0
122.5°	336.6	336.8	337.0	337.1	337.1	337.0	336.9	336.8	336.7	336.5	336.3
125°	361.5	361.4	361.3	361.2	361.1	360.8	360.5	360.2	359.9	360.1	360.3
127.5°	384.1	384.2	384.3	384.4	384.4	384.5	384.6	384.7	384.8	384.3	383.8
130°	406.7	406.7	406.7	406.7	406.6	406.5	406.4	406.3	406.2	405.9	405.6
132.5°	427.8	427.9	428.0	428.0	428.0	427.9	427.8	427.7	427.6	427.2	426.8
135°	448.1	447.8	447.6	447.5	447.4	447.2	447.0	446.8	446.6	446.2	445.8
137.5°	466.4	466.5	466.6	466.6	466.5	466.3	466.1	465.9	465.7	465.2	464.7
140°	484.6	484.5	484.4	484.3	484.2	483.9	483.6	483.3	483.0	482.8	482.6
142.5°	500.2	500.2	500.2	500.2	500.1	499.9	499.7	499.5	499.3	499.2	499.1
145°	515.8	515.5	515.3	515.2	515.2	515.1	515.0	514.9	514.8	514.8	514.8
147.5°	529.1	529.0	528.9	528.9	528.8	528.7	528.6	528.5	528.4	528.5	528.6
150°	541.8	541.7	541.6	541.6	541.6	541.6	541.6	541.6	541.6	541.7	541.8
152.5°	553.2	553.3	553.4	553.4	553.3	553.1	552.9	552.7	552.5	552.7	552.9
155°	563.1	563.4	563.7	563.9	563.7	563.3	562.8	562.4	562.0	562.3	562.6
157.5°	571.7	572.2	572.7	572.9	572.7	572.2	571.7	571.2	570.7	571.1	571.5
160°	580.1	580.7	581.3	581.6	581.3	580.7	580.1	579.5	578.9	579.0	579.1
162.5°	586.6	587.3	588.0	588.4	588.1	587.5	586.9	586.3	585.7	585.8	585.9
165°	592.9	593.8	594.7	595.2	594.8	594.0	593.2	592.4	591.6	591.6	591.6
167.5°	597.7	598.7	599.7	600.2	599.7	598.8	597.9	597.0	596.1	596.2	596.3
170°	601.8	602.8	603.8	604.3	603.9	603.1	602.3	601.5	600.7	600.6	600.5
172.5°	604.2	605.3	606.4	607.0	606.6	605.8	605.0	604.2	603.4	603.3	603.2
175°	606.2	607.5	608.7	609.3	608.8	607.9	607.0	606.1	605.2	605.1	605.0
177.5°	607.2	608.4	609.6	610.2	609.8	609.0	608.2	607.4	606.6	606.4	606.2
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1975.2	1968.8	1964.1	1964.1	1949.8	1935.5	1927.6	1924.4	1921.2	1908.5	1891.1
5°	2056.1	2035.5	2021.2	2006.9	1983.1	1957.7	1932.3	1918.1	1897.4	1868.9	1848.3
7.5°	2146.5	2097.3	2081.5	2064.0	2016.4	1973.6	1938.7	1908.5	1875.2	1838.7	1802.2
10°	2222.7	2170.3	2135.4	2105.3	2043.4	1986.3	1933.9	1889.5	1846.7	1799.1	1754.7
12.5°	2295.6	2221.1	2184.6	2140.2	2075.1	1992.6	1924.4	1868.9	1805.4	1756.2	1702.3
15°	2397.2	2271.8	2211.6	2183.0	2095.7	1999.0	1916.5	1834.0	1781.6	1707.1	1659.5
17.5°	2413.0	2311.5	2271.8	2198.9	2094.2	1984.7	1889.5	1807.0	1727.7	1661.1	1599.2
20°	2468.6	2335.3	2271.8	2225.8	2087.8	1976.8	1872.1	1765.8	1689.6	1618.2	1548.4
22.5°	2503.5	2352.8	2286.1	2213.1	2081.5	1948.2	1824.5	1732.4	1638.8	1565.9	1510.3
25°	2494.0	2343.2	2268.7	2200.5	2040.2	1907.0	1795.9	1678.5	1591.2	1511.9	1438.9
27.5°	2489.2	2319.4	2240.1	2164.0	2013.3	1873.6	1734.0	1638.8	1542.1	1450.0	1396.1
30°	2476.5	2289.3	2197.3	2114.8	1957.7	1811.8	1692.8	1581.7	1485.0	1400.9	1329.5
32.5°	2433.7	2238.5	2149.7	2060.8	1897.4	1751.5	1630.9	1527.8	1431.0	1343.8	1275.5
35°	2376.6	2178.2	2081.5	1987.9	1824.5	1676.9	1565.9	1458.0	1367.6	1283.5	1218.4
37.5°	2319.4	2108.4	2018.0	1910.1	1759.4	1605.5	1491.3	1394.5	1310.4	1223.2	1151.8
40°	2236.9	2025.9	1926.0	1834.0	1657.9	1513.5	1408.8	1321.5	1239.0	1156.5	1096.3
42.5°	2124.3	1935.5	1832.4	1730.9	1565.9	1423.1	1321.5	1243.8	1166.1	1097.8	1031.2
45°	2010.1	1826.0	1734.0	1643.6	1464.3	1329.5	1235.9	1164.5	1099.4	1024.9	970.9
47.5°	1872.1	1716.6	1624.6	1535.7	1366.0	1231.1	1145.4	1078.8	1018.5	956.7	905.9
50°	1730.9	1596.0	1511.9	1419.9	1258.1	1135.9	1051.8	996.3	947.1	888.4	847.2
52.5°	1578.6	1461.2	1389.8	1300.9	1158.1	1045.5	959.8	904.3	863.0	820.2	783.7
55°	1416.7	1331.1	1254.9	1183.5	1048.7	947.1	871.0	821.8	793.2	753.6	721.9
57.5°	1270.8	1188.3	1142.3	1061.4	944.0	844.0	783.7	742.5	709.2	685.4	660.0
60°	1118.5	1051.8	1001.1	942.4	839.3	755.2	691.7	667.9	633.0	615.6	604.5
62.5°	972.5	924.9	877.3	832.9	740.9	661.6	614.0	583.8	563.2	545.8	536.2
65°	834.5	790.1	756.8	717.1	640.9	577.5	533.1	509.3	488.6	483.9	472.8
67.5°	699.6	680.6	644.1	612.4	547.3	498.2	464.8	434.7	423.6	418.8	409.3
70°	585.4	563.2	534.6	507.7	458.5	415.7	385.5	374.4	358.5	357.0	345.9
72.5°	482.3	455.3	434.7	414.1	377.6	339.5	323.6	307.8	299.8	293.5	288.7
75°	382.3	363.3	349.0	331.6	299.8	274.5	252.3	245.9	241.1	239.6	236.4
77.5°	285.6	272.9	266.5	249.1	226.9	204.7	195.1	185.6	185.6	182.4	184.0
80°	203.1	195.1	187.2	177.7	158.6	149.1	141.2	134.9	131.7	130.1	131.7
82.5°	128.5	123.7	122.2	115.8	103.1	98.4	92.0	87.3	87.3	87.3	87.3
85°	71.4	71.4	71.4	61.9	57.1	52.4	49.2	47.6	47.6	47.6	49.2
87.5°	30.1	30.1	25.4	25.4	23.8	20.6	19.0	19.0	20.6	20.6	22.2
90°	7.6	6.8	6.4	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	7.1	6.3	5.9	6.0	6.2	6.4	6.6	6.8	6.6	6.4	6.2
95°	9.7	9.6	9.5	11.2	14.7	18.1	21.6	25.0	21.6	18.1	14.7
97.5°	41.8	52.4	57.7	56.6	54.4	52.1	49.9	47.7	49.9	52.1	54.4
100°	61.8	75.7	82.7	81.8	80.0	78.1	76.3	74.5	76.3	78.1	80.0
102.5°	111.8	110.6	110.0	109.4	108.2	106.9	105.7	104.5	105.7	106.9	108.2
105°	140.3	139.8	139.5	139.2	138.6	138.0	137.4	136.8	137.4	138.0	138.6
107.5°	168.7	168.0	167.7	167.5	167.2	166.9	166.6	166.3	166.6	166.9	167.2
110°	198.5	197.9	197.6	197.5	197.2	196.9	196.6	196.3	196.6	196.9	197.2

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	228.4	228.2	228.1	227.8	227.2	226.6	226.0	225.4	226.0	226.6	227.2
115°	256.6	256.7	256.7	256.5	256.2	255.9	255.6	255.3	255.6	255.9	256.2
117.5°	284.4	284.1	284.0	283.8	283.4	283.0	282.6	282.2	282.6	283.0	283.4
120°	311.1	311.2	311.2	311.0	310.6	310.2	309.8	309.4	309.8	310.2	310.6
122.5°	336.1	335.9	335.8	335.7	335.5	335.3	335.1	334.9	335.1	335.3	335.5
125°	360.5	360.7	360.8	360.6	360.2	359.7	359.3	358.9	359.3	359.7	360.2
127.5°	383.3	382.8	382.6	382.5	382.4	382.3	382.2	382.1	382.2	382.3	382.4
130°	405.3	405.0	404.8	404.8	404.7	404.6	404.5	404.4	404.5	404.6	404.7
132.5°	426.3	425.9	425.7	425.6	425.4	425.2	425.0	424.8	425.0	425.2	425.4
135°	445.4	445.0	444.8	444.9	445.0	445.1	445.2	445.3	445.2	445.1	445.0
137.5°	464.2	463.7	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
140°	482.4	482.2	482.1	482.0	481.8	481.6	481.4	481.2	481.4	481.6	481.8
142.5°	499.0	498.9	498.9	498.7	498.3	497.9	497.5	497.1	497.5	497.9	498.3
145°	514.8	514.8	514.8	514.6	514.3	514.0	513.7	513.4	513.7	514.0	514.3
147.5°	528.7	528.8	528.9	528.6	528.0	527.3	526.7	526.1	526.7	527.3	528.0
150°	541.9	542.0	542.0	541.8	541.4	541.0	540.6	540.2	540.6	541.0	541.4
152.5°	553.1	553.3	553.4	553.2	552.9	552.6	552.3	552.0	552.3	552.6	552.9
155°	562.9	563.2	563.4	563.3	563.2	563.1	563.0	562.9	563.0	563.1	563.2
157.5°	571.9	572.3	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5
160°	579.2	579.3	579.3	579.5	579.8	580.1	580.4	580.7	580.4	580.1	579.8
162.5°	586.0	586.1	586.1	586.3	586.7	587.1	587.5	587.9	587.5	587.1	586.7
165°	591.6	591.6	591.6	591.8	592.3	592.8	593.3	593.8	593.3	592.8	592.3
167.5°	596.4	596.5	596.6	596.8	597.3	597.8	598.3	598.8	598.3	597.8	597.3
170°	600.4	600.3	600.2	600.5	601.1	601.7	602.3	602.9	602.3	601.7	601.1
172.5°	603.1	603.0	602.9	603.2	603.8	604.5	605.1	605.7	605.1	604.5	603.8
175°	604.9	604.8	604.8	605.1	605.7	606.3	606.9	607.5	606.9	606.3	605.7
177.5°	606.0	605.8	605.7	606.0	606.7	607.4	608.1	608.8	608.1	607.4	606.7
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1886.3	1880.0	1883.2	1867.3	1853.0	1832.4	1814.9	1811.8	1808.6	1818.1	1811.8
5°	1832.4	1824.5	1816.5	1797.5	1768.9	1751.5	1726.1	1724.5	1715.0	1700.7	1703.9
7.5°	1773.7	1768.9	1757.8	1727.7	1702.3	1672.2	1651.5	1634.1	1626.1	1613.5	1608.7
10°	1726.1	1708.6	1699.1	1665.8	1635.7	1603.9	1577.0	1564.3	1550.0	1538.9	1531.0
12.5°	1661.1	1656.3	1629.3	1602.4	1577.0	1540.5	1519.9	1483.4	1464.3	1473.8	1470.7
15°	1618.2	1596.0	1589.7	1551.6	1508.7	1485.0	1446.9	1423.1	1415.1	1400.9	1383.4
17.5°	1561.1	1546.8	1524.6	1489.7	1440.5	1407.2	1380.2	1358.0	1348.5	1329.5	1315.2
20°	1507.2	1483.4	1465.9	1434.2	1386.6	1343.8	1310.4	1296.2	1272.4	1256.5	1248.6
22.5°	1458.0	1440.5	1415.1	1367.6	1326.3	1285.1	1245.4	1224.8	1202.6	1193.0	1180.3
25°	1397.7	1369.1	1351.7	1299.3	1254.9	1221.6	1185.1	1158.1	1145.4	1129.6	1126.4
27.5°	1339.0	1312.0	1291.4	1245.4	1191.5	1148.6	1126.4	1107.4	1085.2	1085.2	1077.2
30°	1280.3	1261.3	1229.5	1185.1	1134.3	1093.1	1067.7	1050.3	1042.3	1036.0	1034.4
32.5°	1221.6	1196.2	1177.2	1116.9	1078.8	1040.7	1021.7	1007.4	997.9	996.3	997.9
35°	1161.3	1132.8	1113.7	1059.8	1021.7	986.8	978.9	966.2	961.4	959.8	967.8
37.5°	1097.8	1075.6	1051.8	1007.4	964.6	944.0	928.1	923.3	921.7	931.3	934.4
40°	1039.1	1020.1	997.9	950.3	918.6	896.4	888.4	883.7	890.0	899.5	904.3
42.5°	983.6	956.7	939.2	896.4	867.8	855.1	845.6	845.6	851.9	863.0	871.0
45°	924.9	904.3	886.8	848.8	823.4	809.1	807.5	809.1	817.0	825.0	834.5
47.5°	867.8	847.2	828.1	796.4	774.2	766.3	764.7	766.3	779.0	790.1	801.2
50°	815.5	793.2	775.8	745.6	728.2	718.7	720.3	728.2	737.7	753.6	767.9
52.5°	753.6	737.7	721.9	694.9	679.0	672.7	677.4	683.8	701.2	712.3	729.8
55°	693.3	679.0	666.3	645.7	633.0	628.2	631.4	640.9	655.2	674.3	694.9
57.5°	637.8	621.9	609.2	594.9	580.7	582.2	583.8	596.5	614.0	631.4	655.2
60°	575.9	566.4	555.3	537.8	531.5	531.5	536.2	550.5	566.4	594.9	615.6
62.5°	520.4	507.7	499.7	488.6	479.1	480.7	491.8	504.5	523.5	547.3	574.3
65°	463.3	449.0	442.6	433.1	429.9	431.5	439.5	458.5	479.1	499.7	525.1
67.5°	399.8	395.0	388.7	379.2	382.3	383.9	391.9	407.7	429.9	450.6	479.1
70°	345.9	336.3	334.7	326.8	326.8	331.6	347.4	358.5	379.2	401.4	431.5
72.5°	288.7	280.8	280.8	274.5	279.2	284.0	291.9	307.8	326.8	349.0	374.4
75°	230.0	226.9	230.0	226.9	226.9	234.8	244.3	257.0	277.6	301.4	322.1
77.5°	177.7	177.7	176.1	180.9	180.9	185.6	198.3	211.0	226.9	245.9	268.1
80°	130.1	130.1	130.1	134.9	139.6	139.6	147.5	163.4	177.7	190.4	211.0
82.5°	88.8	88.8	88.8	92.0	98.4	98.4	107.9	117.4	133.3	144.4	153.9
85°	53.9	53.9	52.4	55.5	57.1	61.9	69.8	76.2	84.1	93.6	103.1
87.5°	23.8	23.8	25.4	27.0	28.6	31.7	34.9	38.1	46.0	49.2	53.9
90°	5.8	6.4	6.8	7.6	8.4	9.2	10.0	10.6	11.2	11.8	12.4
92.5°	6.0	5.9	6.3	7.1	7.9	8.7	9.5	10.1	10.7	11.4	12.0
95°	11.2	9.5	9.6	9.7	9.8	9.9	10.0	10.6	11.2	11.8	12.4
97.5°	56.6	57.7	52.4	41.8	31.2	20.6	10.0	10.5	11.0	11.5	12.0
100°	81.8	82.7	75.7	61.8	47.9	33.9	20.0	18.3	16.6	14.9	13.2
102.5°	109.4	110.0	110.6	111.8	113.0	114.2	115.4	92.7	70.0	47.3	24.6
105°	139.2	139.5	139.8	140.3	140.8	141.3	141.8	142.7	143.6	144.5	145.4
107.5°	167.5	167.7	168.0	168.7	169.4	170.1	170.8	171.3	171.8	172.3	172.8
110°	197.5	197.6	197.9	198.5	199.2	199.8	200.4	200.6	200.8	201.0	201.2

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	227.8	228.1	228.2	228.4	228.6	228.8	229.0	228.9	228.8	228.7	228.6
115°	256.5	256.7	256.7	256.6	256.5	256.4	256.3	256.5	256.7	256.9	257.1
117.5°	283.8	284.0	284.1	284.4	284.7	285.0	285.3	285.2	285.1	285.0	284.9
120°	311.0	311.2	311.2	311.1	311.0	310.9	310.8	311.0	311.2	311.4	311.6
122.5°	335.7	335.8	335.9	336.1	336.3	336.5	336.7	336.8	336.9	337.0	337.1
125°	360.6	360.8	360.7	360.5	360.3	360.1	359.9	360.2	360.5	360.8	361.1
127.5°	382.5	382.6	382.8	383.3	383.8	384.3	384.8	384.7	384.6	384.5	384.4
130°	404.8	404.8	405.0	405.3	405.6	405.9	406.2	406.3	406.4	406.5	406.6
132.5°	425.6	425.7	425.9	426.3	426.8	427.2	427.6	427.7	427.8	427.9	428.0
135°	444.9	444.8	445.0	445.4	445.8	446.2	446.6	446.8	447.0	447.2	447.4
137.5°	463.4	463.4	463.7	464.2	464.7	465.2	465.7	465.9	466.1	466.3	466.5
140°	482.0	482.1	482.2	482.4	482.6	482.8	483.0	483.3	483.6	483.9	484.2
142.5°	498.7	498.9	498.9	499.0	499.1	499.2	499.3	499.5	499.7	499.9	500.1
145°	514.6	514.8	514.8	514.8	514.8	514.8	514.8	514.9	515.0	515.1	515.2
147.5°	528.6	528.9	528.8	528.7	528.6	528.5	528.4	528.5	528.6	528.7	528.8
150°	541.8	542.0	542.0	541.9	541.8	541.7	541.6	541.6	541.6	541.6	541.6
152.5°	553.2	553.4	553.3	553.1	552.9	552.7	552.5	552.7	552.9	553.1	553.3
155°	563.3	563.4	563.2	562.9	562.6	562.3	562.0	562.4	562.8	563.3	563.7
157.5°	572.5	572.5	572.3	571.9	571.5	571.1	570.7	571.2	571.7	572.2	572.7
160°	579.5	579.3	579.3	579.2	579.1	579.0	578.9	579.5	580.1	580.7	581.3
162.5°	586.3	586.1	586.1	586.0	585.9	585.8	585.7	586.3	586.9	587.5	588.1
165°	591.8	591.6	591.6	591.6	591.6	591.6	591.6	592.4	593.2	594.0	594.8
167.5°	596.8	596.6	596.5	596.4	596.3	596.2	596.1	597.0	597.9	598.8	599.7
170°	600.5	600.2	600.3	600.4	600.5	600.6	600.7	601.5	602.3	603.1	603.9
172.5°	603.2	602.9	603.0	603.1	603.2	603.3	603.4	604.2	605.0	605.8	606.6
175°	605.1	604.8	604.8	604.9	605.0	605.1	605.2	606.1	607.0	607.9	608.8
177.5°	606.0	605.7	605.8	606.0	606.2	606.4	606.6	607.4	608.2	609.0	609.8
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1807.0	1805.4	1797.5	1800.7	1791.1	1794.3	1799.1	1800.7	1807.0	1802.2	1800.7
5°	1696.0	1692.8	1688.0	1683.3	1681.7	1688.0	1676.9	1680.1	1683.3	1688.0	1694.4
7.5°	1605.5	1603.9	1599.2	1591.2	1588.1	1584.9	1586.5	1597.6	1596.0	1594.4	1605.5
10°	1523.0	1524.6	1515.1	1513.5	1504.0	1502.4	1504.0	1507.2	1511.9	1518.3	1519.9
12.5°	1437.4	1458.0	1440.5	1434.2	1419.9	1427.8	1431.0	1416.7	1424.7	1429.4	1453.2
15°	1383.4	1373.9	1362.8	1362.8	1356.4	1353.3	1345.3	1356.4	1362.8	1372.3	1369.1
17.5°	1308.9	1293.0	1286.6	1280.3	1281.9	1288.2	1270.8	1296.2	1296.2	1300.9	1293.0
20°	1243.8	1231.1	1223.2	1220.0	1215.2	1212.1	1210.5	1216.8	1226.4	1229.5	1237.5
22.5°	1175.6	1175.6	1162.9	1158.1	1155.0	1150.2	1158.1	1153.4	1159.7	1166.1	1178.8
25°	1118.5	1118.5	1113.7	1107.4	1102.6	1099.4	1104.2	1102.6	1107.4	1115.3	1118.5
27.5°	1072.5	1067.7	1066.1	1064.5	1062.9	1064.5	1062.9	1067.7	1072.5	1074.1	1070.9
30°	1032.8	1028.0	1029.6	1029.6	1031.2	1029.6	1028.0	1032.8	1034.4	1031.2	1032.8
32.5°	996.3	996.3	999.5	1001.1	1001.1	1002.7	1004.2	1001.1	1002.7	997.9	999.5
35°	966.2	969.3	972.5	974.1	975.7	974.1	977.3	975.7	972.5	969.3	967.8
37.5°	936.0	939.2	945.5	947.1	951.9	953.5	950.3	950.3	948.7	942.4	939.2
40°	904.3	907.5	915.4	920.2	923.3	928.1	924.9	924.9	918.6	912.2	907.5
42.5°	874.2	880.5	888.4	893.2	899.5	899.5	899.5	896.4	888.4	882.1	877.3
45°	844.0	845.6	856.7	864.6	871.0	871.0	871.0	866.2	861.5	848.8	842.4
47.5°	810.7	815.5	828.1	836.1	842.4	844.0	844.0	839.3	829.7	818.6	810.7
50°	774.2	782.1	796.4	807.5	815.5	818.6	813.9	810.7	799.6	786.9	777.4
52.5°	739.3	748.8	766.3	775.8	786.9	788.5	786.9	782.1	769.4	752.0	744.1
55°	704.4	712.3	731.4	747.2	756.8	759.9	756.8	748.8	733.0	715.5	707.6
57.5°	666.3	677.4	698.1	713.9	725.0	726.6	723.4	715.5	702.8	680.6	669.5
60°	626.7	640.9	661.6	677.4	691.7	693.3	690.1	679.0	663.2	640.9	631.4
62.5°	587.0	598.1	621.9	639.4	650.5	658.4	652.0	640.9	625.1	602.9	588.6
65°	541.0	556.9	577.5	593.3	606.0	607.6	604.5	594.9	577.5	553.7	542.6
67.5°	496.6	507.7	528.3	548.9	553.7	558.4	553.7	544.2	529.9	509.3	493.4
70°	442.6	452.1	477.5	491.8	498.2	502.9	499.7	490.2	477.5	458.5	445.8
72.5°	388.7	396.6	420.4	431.5	444.2	442.6	441.0	434.7	417.2	404.6	396.6
75°	331.6	341.1	357.0	371.2	376.0	376.0	376.0	371.2	360.1	339.5	331.6
77.5°	279.2	284.0	296.7	304.6	309.4	311.0	309.4	301.4	295.1	280.8	276.0
80°	214.2	226.9	236.4	238.0	244.3	244.3	244.3	241.1	234.8	220.5	218.9
82.5°	161.8	165.0	174.5	179.3	182.4	180.9	180.9	174.5	172.9	165.0	161.8
85°	109.5	114.2	112.6	119.0	120.6	117.4	117.4	120.6	112.6	114.2	109.5
87.5°	60.3	60.3	63.5	61.9	68.2	68.2	65.0	66.6	63.5	61.9	60.3
90°	12.7	12.8	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.7
92.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
95°	12.7	12.8	12.9	13.0	13.1	13.2	13.1	13.0	12.9	12.8	12.7
97.5°	12.3	12.3	12.4	12.5	12.6	12.7	12.6	12.5	12.4	12.3	12.3
100°	12.3	12.3	12.4	12.5	12.6	12.7	12.6	12.5	12.4	12.3	12.3
102.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
105°	145.8	144.0	140.4	136.7	133.1	129.5	133.1	136.7	140.4	144.0	145.8
107.5°	173.1	173.3	173.7	174.1	174.5	174.9	174.5	174.1	173.7	173.3	173.1
110°	201.3	201.4	201.7	202.0	202.3	202.6	202.3	202.0	201.7	201.4	201.3

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	228.5	228.7	229.1	229.6	230.0	230.4	230.0	229.6	229.1	228.7	228.5
115°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2
117.5°	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
120°	311.7	311.6	311.4	311.2	311.0	310.8	311.0	311.2	311.4	311.6	311.7
122.5°	337.1	337.0	336.8	336.6	336.4	336.2	336.4	336.6	336.8	337.0	337.1
125°	361.2	361.3	361.4	361.5	361.6	361.7	361.6	361.5	361.4	361.3	361.2
127.5°	384.4	384.3	384.2	384.1	384.0	383.9	384.0	384.1	384.2	384.3	384.4
130°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7
132.5°	428.0	428.0	427.9	427.8	427.7	427.6	427.7	427.8	427.9	428.0	428.0
135°	447.5	447.6	447.8	448.1	448.3	448.5	448.3	448.1	447.8	447.6	447.5
137.5°	466.6	466.6	466.5	466.4	466.3	466.2	466.3	466.4	466.5	466.6	466.6
140°	484.3	484.4	484.5	484.6	484.7	484.8	484.7	484.6	484.5	484.4	484.3
142.5°	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2
145°	515.2	515.3	515.5	515.8	516.0	516.2	516.0	515.8	515.5	515.3	515.2
147.5°	528.9	528.9	529.0	529.1	529.2	529.3	529.2	529.1	529.0	528.9	528.9
150°	541.6	541.6	541.7	541.8	541.9	542.0	541.9	541.8	541.7	541.6	541.6
152.5°	553.4	553.4	553.3	553.2	553.1	553.0	553.1	553.2	553.3	553.4	553.4
155°	563.9	563.7	563.4	563.1	562.8	562.5	562.8	563.1	563.4	563.7	563.9
157.5°	572.9	572.7	572.2	571.7	571.2	570.7	571.2	571.7	572.2	572.7	572.9
160°	581.6	581.3	580.7	580.1	579.5	578.9	579.5	580.1	580.7	581.3	581.6
162.5°	588.4	588.0	587.3	586.6	585.9	585.2	585.9	586.6	587.3	588.0	588.4
165°	595.2	594.7	593.8	592.9	592.0	591.1	592.0	592.9	593.8	594.7	595.2
167.5°	600.2	599.7	598.7	597.7	596.7	595.7	596.7	597.7	598.7	599.7	600.2
170°	604.3	603.8	602.8	601.8	600.8	599.8	600.8	601.8	602.8	603.8	604.3
172.5°	607.0	606.4	605.3	604.2	603.1	602.0	603.1	604.2	605.3	606.4	607.0
175°	609.3	608.7	607.5	606.2	605.0	603.8	605.0	606.2	607.5	608.7	609.3
177.5°	610.2	609.6	608.4	607.2	606.0	604.8	606.0	607.2	608.4	609.6	610.2
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1800.7	1810.2	1800.7	1807.0	1810.2	1818.1	1821.3	1835.6	1840.3	1851.4	1851.4
5°	1692.8	1697.5	1699.1	1705.5	1711.8	1727.7	1738.8	1759.4	1783.2	1786.4	1800.7
7.5°	1605.5	1613.5	1626.1	1621.4	1632.5	1656.3	1670.6	1696.0	1719.8	1732.4	1749.9
10°	1527.8	1537.3	1542.1	1546.8	1567.4	1588.1	1610.3	1627.7	1659.5	1678.5	1692.8
12.5°	1464.3	1456.4	1465.9	1483.4	1507.2	1519.9	1550.0	1577.0	1600.8	1621.4	1634.1
15°	1381.8	1388.2	1397.7	1427.8	1434.2	1465.9	1477.0	1507.2	1551.6	1570.6	1586.5
17.5°	1302.5	1323.1	1342.2	1353.3	1372.3	1397.7	1429.4	1462.7	1491.3	1513.5	1532.5
20°	1239.0	1259.7	1270.8	1278.7	1297.7	1332.6	1362.8	1404.0	1440.5	1458.0	1483.4
22.5°	1188.3	1188.3	1204.1	1227.9	1239.0	1272.4	1297.7	1342.2	1381.8	1404.0	1427.8
25°	1124.8	1134.3	1147.0	1167.7	1183.5	1210.5	1247.0	1285.1	1327.9	1346.9	1377.1
27.5°	1072.5	1083.6	1101.0	1105.8	1121.6	1145.4	1183.5	1224.8	1269.2	1289.8	1315.2
30°	1032.8	1039.1	1045.5	1055.0	1069.3	1089.9	1121.6	1158.1	1212.1	1227.9	1259.7
32.5°	997.9	1001.1	1004.2	1012.2	1020.1	1040.7	1066.1	1105.8	1150.2	1174.0	1202.6
35°	966.2	963.0	964.6	969.3	977.3	985.2	1012.2	1045.5	1086.7	1115.3	1137.5
37.5°	936.0	929.7	928.1	928.1	931.3	940.8	961.4	990.0	1034.4	1058.2	1080.4
40°	902.7	896.4	893.2	891.6	890.0	896.4	912.2	940.8	975.7	997.9	1023.3
42.5°	871.0	864.6	856.7	855.1	851.9	855.1	866.2	893.2	923.3	945.5	966.2
45°	839.3	828.1	818.6	812.3	813.9	809.1	817.0	837.7	872.6	886.8	907.5
47.5°	804.3	791.7	779.0	772.6	766.3	769.4	772.6	790.1	820.2	834.5	855.1
50°	771.0	753.6	739.3	731.4	726.6	723.4	726.6	744.1	766.3	779.0	796.4
52.5°	733.0	715.5	701.2	688.5	682.2	677.4	679.0	694.9	715.5	728.2	745.6
55°	698.1	675.8	656.8	640.9	636.2	634.6	633.0	644.1	661.6	674.3	688.5
57.5°	658.4	636.2	615.6	596.5	587.0	585.4	585.4	588.6	610.8	620.3	628.2
60°	618.7	594.9	572.7	555.3	541.0	536.2	534.6	541.0	552.1	561.6	572.7
62.5°	574.3	550.5	523.5	507.7	493.4	480.7	485.5	487.1	502.9	507.7	517.2
65°	531.5	504.5	482.3	456.9	441.0	433.1	429.9	433.1	445.8	447.4	453.7
67.5°	482.3	456.9	429.9	412.5	398.2	383.9	380.8	380.8	387.1	391.9	399.8
70°	434.7	409.3	379.2	360.1	345.9	333.2	328.4	326.8	331.6	334.7	342.7
72.5°	379.2	353.8	331.6	311.0	293.5	284.0	279.2	276.0	280.8	284.0	285.6
75°	320.5	299.8	277.6	257.0	245.9	236.4	230.0	225.3	228.5	228.5	228.5
77.5°	264.9	244.3	226.9	212.6	198.3	187.2	182.4	177.7	179.3	179.3	182.4
80°	206.2	192.0	177.7	165.0	152.3	142.8	139.6	134.9	131.7	130.1	130.1
82.5°	152.3	141.2	128.5	117.4	111.1	101.5	98.4	92.0	92.0	90.4	90.4
85°	101.5	95.2	82.5	74.6	69.8	65.0	61.9	58.7	53.9	53.9	52.4
87.5°	53.9	50.8	47.6	38.1	38.1	33.3	31.7	30.1	25.4	27.0	27.0
90°	12.4	11.8	11.2	10.6	10.0	9.2	8.4	7.6	6.8	6.4	5.8
92.5°	12.0	11.4	10.7	10.1	9.5	8.7	7.9	7.1	6.3	5.9	6.0
95°	12.4	11.8	11.2	10.6	10.0	9.9	9.8	9.7	9.6	9.5	11.2
97.5°	12.0	11.5	11.0	10.5	10.0	20.6	31.2	41.8	52.4	57.7	56.6
100°	13.2	14.9	16.6	18.3	20.0	33.9	47.9	61.8	75.7	82.7	81.8
102.5°	24.6	47.3	70.0	92.7	115.4	114.2	113.0	111.8	110.6	110.0	109.4
105°	145.4	144.5	143.6	142.7	141.8	141.3	140.8	140.3	139.8	139.5	139.2
107.5°	172.8	172.3	171.8	171.3	170.8	170.1	169.4	168.7	168.0	167.7	167.5
110°	201.2	201.0	200.8	200.6	200.4	199.8	199.2	198.5	197.9	197.6	197.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	228.6	228.7	228.8	228.9	229.0	228.8	228.6	228.4	228.2	228.1	227.8
115°	257.1	256.9	256.7	256.5	256.3	256.4	256.5	256.6	256.7	256.7	256.5
117.5°	284.9	285.0	285.1	285.2	285.3	285.0	284.7	284.4	284.1	284.0	283.8
120°	311.6	311.4	311.2	311.0	310.8	310.9	311.0	311.1	311.2	311.2	311.0
122.5°	337.1	337.0	336.9	336.8	336.7	336.5	336.3	336.1	335.9	335.8	335.7
125°	361.1	360.8	360.5	360.2	359.9	360.1	360.3	360.5	360.7	360.8	360.6
127.5°	384.4	384.5	384.6	384.7	384.8	384.3	383.8	383.3	382.8	382.6	382.5
130°	406.6	406.5	406.4	406.3	406.2	405.9	405.6	405.3	405.0	404.8	404.8
132.5°	428.0	427.9	427.8	427.7	427.6	427.2	426.8	426.3	425.9	425.7	425.6
135°	447.4	447.2	447.0	446.8	446.6	446.2	445.8	445.4	445.0	444.8	444.9
137.5°	466.5	466.3	466.1	465.9	465.7	465.2	464.7	464.2	463.7	463.4	463.4
140°	484.2	483.9	483.6	483.3	483.0	482.8	482.6	482.4	482.2	482.1	482.0
142.5°	500.1	499.9	499.7	499.5	499.3	499.2	499.1	499.0	498.9	498.9	498.7
145°	515.2	515.1	515.0	514.9	514.8	514.8	514.8	514.8	514.8	514.8	514.6
147.5°	528.8	528.7	528.6	528.5	528.4	528.5	528.6	528.7	528.8	528.9	528.6
150°	541.6	541.6	541.6	541.6	541.6	541.7	541.8	541.9	542.0	542.0	541.8
152.5°	553.3	553.1	552.9	552.7	552.5	552.7	552.9	553.1	553.3	553.4	553.2
155°	563.7	563.3	562.8	562.4	562.0	562.3	562.6	562.9	563.2	563.4	563.3
157.5°	572.7	572.2	571.7	571.2	570.7	571.1	571.5	571.9	572.3	572.5	572.5
160°	581.3	580.7	580.1	579.5	578.9	579.0	579.1	579.2	579.3	579.3	579.5
162.5°	588.1	587.5	586.9	586.3	585.7	585.8	585.9	586.0	586.1	586.1	586.3
165°	594.8	594.0	593.2	592.4	591.6	591.6	591.6	591.6	591.6	591.6	591.8
167.5°	599.7	598.8	597.9	597.0	596.1	596.2	596.3	596.4	596.5	596.6	596.8
170°	603.9	603.1	602.3	601.5	600.7	600.6	600.5	600.4	600.3	600.2	600.5
172.5°	606.6	605.8	605.0	604.2	603.4	603.3	603.2	603.1	603.0	602.9	603.2
175°	608.8	607.9	607.0	606.1	605.2	605.1	605.0	604.9	604.8	604.8	605.1
177.5°	609.8	609.0	608.2	607.4	606.6	606.4	606.2	606.0	605.8	605.7	606.0
180°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1914.9	1914.9	1914.9	1914.9
2.5°	1862.5	1878.4	1892.7	1914.9
5°	1821.3	1843.5	1873.6	1907.0
7.5°	1773.7	1808.6	1848.3	1894.3
10°	1729.3	1768.9	1819.7	1875.2
12.5°	1683.3	1730.9	1786.4	1846.7
15°	1630.9	1678.5	1740.4	1821.3
17.5°	1583.3	1640.4	1707.1	1792.7
20°	1527.8	1581.7	1654.7	1753.1
22.5°	1478.6	1540.5	1621.4	1707.1
25°	1424.7	1478.6	1559.5	1662.6
27.5°	1370.7	1437.4	1515.1	1615.0
30°	1318.4	1373.9	1458.0	1562.7
32.5°	1261.3	1327.9	1405.6	1504.0
35°	1199.4	1262.8	1335.8	1442.1
37.5°	1143.9	1205.7	1280.3	1373.9
40°	1082.0	1147.0	1215.2	1308.9
42.5°	1021.7	1080.4	1148.6	1234.3
45°	963.0	1013.8	1075.6	1150.2
47.5°	902.7	945.5	1002.7	1069.3
50°	837.7	883.7	926.5	982.0
52.5°	777.4	817.0	851.9	898.0
55°	718.7	745.6	774.2	809.1
57.5°	656.8	677.4	698.1	734.5
60°	594.9	614.0	625.1	648.9
62.5°	534.6	542.6	556.9	571.1
65°	468.0	479.1	487.1	504.5
67.5°	407.7	412.5	420.4	431.5
70°	344.3	355.4	358.5	366.5
72.5°	290.3	295.1	298.3	299.8
75°	230.0	234.8	238.0	247.5
77.5°	180.9	179.3	185.6	187.2
80°	133.3	128.5	130.1	136.4
82.5°	87.3	88.8	87.3	87.3
85°	53.9	52.4	49.2	50.8
87.5°	23.8	23.8	22.2	22.2
90°	4.7	3.6	2.5	1.4
92.5°	6.2	6.4	6.6	6.8
95°	14.7	18.1	21.6	25.0
97.5°	54.4	52.1	49.9	47.7
100°	80.0	78.1	76.3	74.5
102.5°	108.2	106.9	105.7	104.5
105°	138.6	138.0	137.4	136.8
107.5°	167.2	166.9	166.6	166.3
110°	197.2	196.9	196.6	196.3

TEST NUMBER: P1032585

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	227.2	226.6	226.0	225.4
115°	256.2	255.9	255.6	255.3
117.5°	283.4	283.0	282.6	282.2
120°	310.6	310.2	309.8	309.4
122.5°	335.5	335.3	335.1	334.9
125°	360.2	359.7	359.3	358.9
127.5°	382.4	382.3	382.2	382.1
130°	404.7	404.6	404.5	404.4
132.5°	425.4	425.2	425.0	424.8
135°	445.0	445.1	445.2	445.3
137.5°	463.4	463.4	463.4	463.4
140°	481.8	481.6	481.4	481.2
142.5°	498.3	497.9	497.5	497.1
145°	514.3	514.0	513.7	513.4
147.5°	528.0	527.3	526.7	526.1
150°	541.4	541.0	540.6	540.2
152.5°	552.9	552.6	552.3	552.0
155°	563.2	563.1	563.0	562.9
157.5°	572.5	572.5	572.5	572.5
160°	579.8	580.1	580.4	580.7
162.5°	586.7	587.1	587.5	587.9
165°	592.3	592.8	593.3	593.8
167.5°	597.3	597.8	598.3	598.8
170°	601.1	601.7	602.3	602.9
172.5°	603.8	604.5	605.1	605.7
175°	605.7	606.3	606.9	607.5
177.5°	606.7	607.4	608.1	608.8
180°	607.5	607.5	607.5	607.5

(END OF REPORT)