

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: P1032587

Luminaire Tested: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032587
REPORT IS A COMBINATION OF REPORTS P997160 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_3500K
Description: Define 4 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

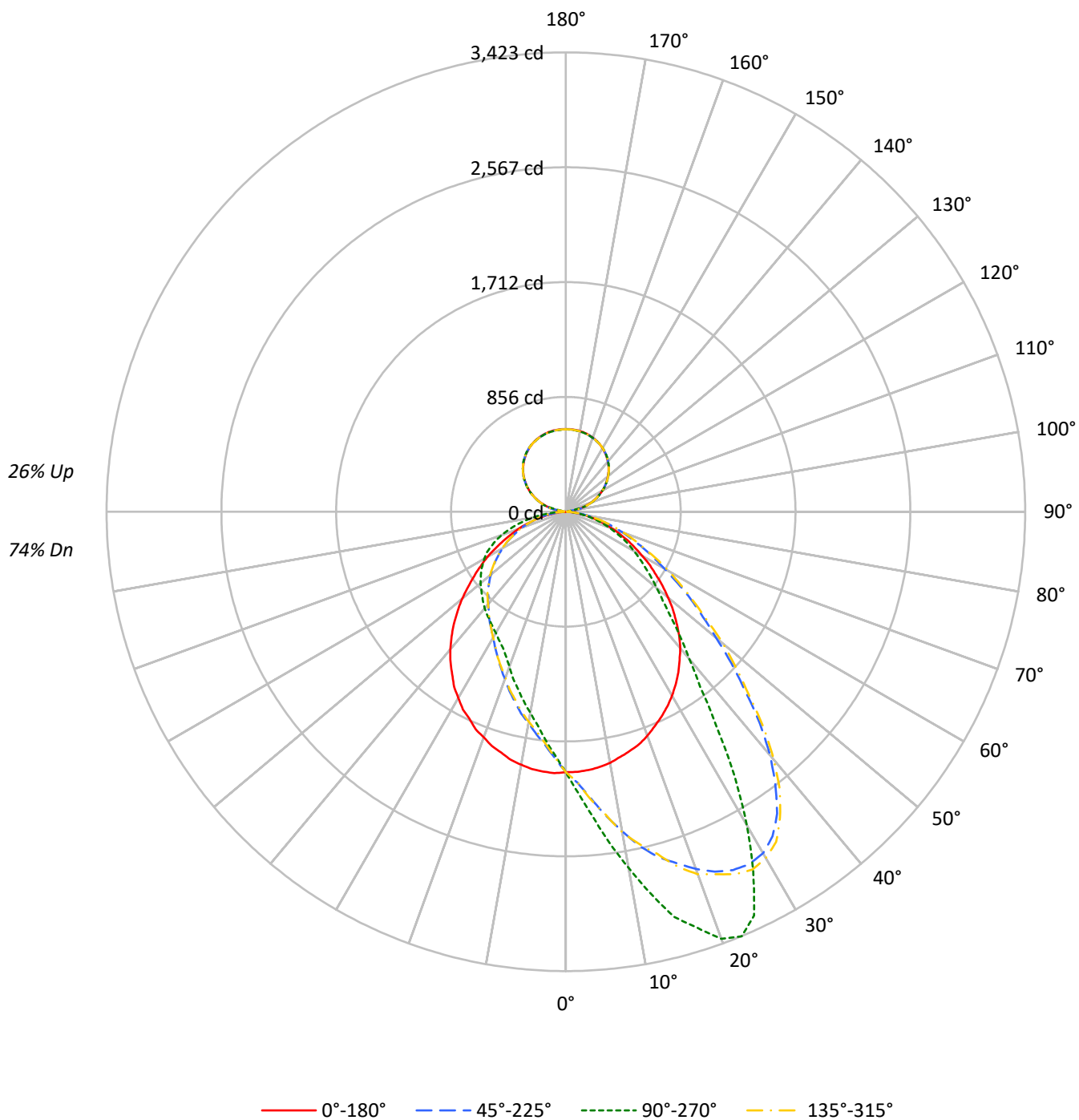
Lumens per Lamp: N/A
Luminaire Lumens: 7258.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15819	15819	15819	15819
5°	15779	18148	15871	13637
10°	15661	21173	15781	11963
15°	15473	24408	15580	10704
20°	15273	26467	15383	9597
25°	14980	26165	15123	8781
30°	14694	21626	14873	8359
35°	14293	16116	14450	8104
40°	13824	12140	13959	7979
45°	13110	9743	13273	7809
50°	12256	8208	12434	7729
55°	11252	7144	11428	7639
60°	10275	6291	10577	7511
65°	9360	5414	9448	7199
70°	8284	4453	8462	6629
75°	7225	3421	7179	5632
80°	5684	2249	5618	4275
85°	3740	1010	3507	2492

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	2.6
10°-20°	582.7	8.0
20°-30°	925.8	12.8
30°-40°	1028.7	14.2
40°-50°	935.5	12.9
50°-60°	764.5	10.5
60°-70°	545.7	7.5
70°-80°	300.3	4.1
80°-90°	82.4	1.1
90°-100°	20.4	0.3
100°-110°	134.5	1.9
110°-120°	256.8	3.5
120°-130°	326.0	4.5
130°-140°	348.8	4.8
140°-150°	326.1	4.5
150°-160°	263.0	3.6
160°-170°	169.6	2.3
170°-180°	58.5	0.8
0°-30°	1697.3	23.4
0°-40°	2726.0	37.6
0°-60°	4425.9	61.0
0°-90°	5354.3	73.8
90°-120°	411.7	5.7
90°-150°	1412.6	19.5
90°-180°	1904.0	26.2
0°-180°	7258.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1940	1940	1940	1940	1940	
5°	1932	2276	1943	1710	1932	183
15°	1845	3126	1858	1371	1845	521
25°	1684	3319	1700	1114	1684	776
35°	1461	1962	1477	987	1461	913
45°	1165	1101	1180	882	1165	899
55°	820	720	832	770	820	737
65°	511	463	516	616	511	505
75°	251	231	249	381	251	263
85°	51	48	48	119	51	60
90°	1	14	1	14	1	4
95°	25	13	25	13	25	31
105°	138	131	138	131	138	145
115°	259	260	259	260	259	255
125°	364	366	364	366	364	325
135°	451	454	451	454	451	347
145°	520	523	520	523	520	325
155°	570	570	570	570	570	263
165°	601	599	601	599	601	170
175°	615	612	615	612	615	59
180°	615	615	615	615	615	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1939.9	1959.2	1967.2	1973.6	1994.5	2001.0	2002.6	2012.2	2020.3	2021.9	2021.9
5°	1931.9	1962.4	1986.5	2009.0	2042.8	2057.2	2074.9	2094.2	2119.9	2136.0	2144.0
7.5°	1919.0	1964.0	2001.0	2039.5	2086.2	2115.1	2131.2	2182.6	2217.9	2246.9	2282.2
10°	1899.7	1957.6	2010.6	2066.9	2132.8	2168.1	2203.5	2266.2	2316.0	2372.2	2417.2
12.5°	1870.8	1946.3	2010.6	2089.4	2171.3	2213.1	2254.9	2364.2	2422.1	2471.9	2552.2
15°	1845.1	1920.6	2012.2	2092.6	2193.8	2256.5	2317.6	2388.3	2479.9	2587.6	2664.7
17.5°	1816.1	1911.0	1996.1	2108.7	2221.2	2280.6	2330.4	2439.7	2568.3	2674.4	2745.1
20°	1776.0	1872.4	1984.9	2103.8	2237.2	2283.8	2349.7	2496.0	2611.7	2716.2	2831.9
22.5°	1729.4	1841.9	1960.8	2074.9	2213.1	2311.2	2383.5	2512.1	2651.9	2772.4	2902.6
25°	1684.3	1806.5	1911.0	2066.9	2213.1	2279.0	2361.0	2513.7	2666.4	2812.6	2946.0
27.5°	1636.1	1750.2	1891.7	2015.4	2181.0	2253.3	2341.7	2508.8	2671.2	2817.4	2960.5
30°	1583.1	1705.2	1822.6	1968.8	2129.5	2222.8	2304.7	2486.3	2651.9	2804.6	2938.0
32.5°	1523.6	1639.3	1764.7	1902.9	2071.7	2166.5	2269.4	2455.8	2632.6	2764.4	2867.3
35°	1460.9	1578.3	1687.6	1829.0	2002.6	2097.4	2197.0	2402.8	2578.0	2685.6	2745.1
37.5°	1391.8	1502.7	1610.4	1750.2	1923.8	2025.1	2126.3	2325.6	2491.2	2581.2	2565.1
40°	1325.9	1425.6	1525.2	1657.0	1838.6	1946.3	2034.7	2235.6	2380.3	2418.8	2365.8
42.5°	1250.4	1335.6	1432.0	1567.0	1743.8	1845.1	1956.0	2139.2	2246.9	2230.8	2140.8
45°	1165.2	1240.8	1337.2	1464.2	1644.2	1748.6	1841.9	2015.4	2094.2	2054.0	1890.1
47.5°	1083.3	1157.2	1235.9	1362.9	1538.1	1626.5	1721.3	1877.2	1922.2	1837.0	1673.1
50°	994.9	1055.9	1137.9	1258.4	1422.4	1515.6	1594.3	1719.7	1735.8	1631.3	1460.9
52.5°	909.7	961.1	1039.9	1158.8	1311.5	1385.4	1462.6	1573.5	1560.6	1452.9	1289.0
55°	819.7	867.9	940.2	1049.5	1184.5	1255.2	1321.1	1419.2	1391.8	1280.9	1137.9
57.5°	744.1	777.9	848.6	949.9	1060.8	1137.9	1194.2	1271.3	1229.5	1118.6	985.2
60°	657.3	699.1	758.6	840.6	949.9	1001.3	1051.1	1102.5	1073.6	967.5	848.6
62.5°	578.6	610.7	662.2	740.9	826.1	872.7	925.7	957.9	929.0	830.9	731.3
65°	511.1	536.8	577.0	641.3	723.2	761.8	792.4	822.9	798.8	707.2	634.8
67.5°	437.2	459.7	493.4	544.8	614.0	641.3	670.2	691.1	663.8	602.7	532.0
70°	371.3	387.3	419.5	458.1	506.3	532.0	556.1	577.0	552.9	501.4	448.4
72.5°	303.8	316.6	345.5	372.9	416.3	433.9	451.6	467.7	459.7	411.4	368.0
75°	250.7	255.5	274.8	297.3	324.7	343.9	356.8	366.4	360.0	321.4	294.1
77.5°	189.7	196.1	210.5	228.2	252.3	263.6	271.6	281.3	273.2	242.7	223.4
80°	138.2	139.8	147.9	163.9	180.0	181.6	189.7	202.5	197.7	176.8	162.3
82.5°	88.4	93.2	96.4	106.1	117.3	120.5	125.4	128.6	127.0	114.1	109.3
85°	51.4	51.4	54.6	61.1	64.3	69.1	70.7	72.3	75.5	67.5	62.7
87.5°	22.5	24.1	24.1	25.7	28.9	28.9	30.5	32.1	33.8	32.1	27.3
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.5	9.3	10.1
92.5°	6.9	6.7	6.5	6.3	6.1	6.0	6.4	7.2	8.1	8.9	9.7
95°	25.3	21.8	18.4	14.9	11.4	9.7	9.7	9.8	9.9	10.0	10.1
97.5°	48.3	50.5	52.8	55.0	57.3	58.4	53.0	42.3	31.6	20.8	10.1
100°	75.5	77.3	79.1	81.0	82.8	83.7	76.6	62.5	48.4	34.3	20.2
102.5°	105.8	107.0	108.3	109.5	110.8	111.4	112.0	113.2	114.5	115.7	116.9
105°	138.5	139.1	139.7	140.4	141.0	141.3	141.6	142.1	142.6	143.1	143.6
107.5°	168.4	168.7	169.0	169.3	169.6	169.8	170.2	170.9	171.6	172.3	173.0
110°	198.8	199.1	199.4	199.7	200.0	200.2	200.5	201.1	201.7	202.3	202.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	228.2	228.8	229.4	230.1	230.7	231.0	231.1	231.3	231.5	231.7	231.9
115°	258.6	258.9	259.2	259.5	259.8	260.0	259.9	259.8	259.7	259.6	259.5
117.5°	285.8	286.2	286.6	287.0	287.4	287.6	287.8	288.1	288.4	288.7	289.0
120°	313.4	313.8	314.2	314.6	315.0	315.2	315.1	315.0	314.9	314.8	314.7
122.5°	339.1	339.3	339.5	339.8	340.0	340.1	340.2	340.4	340.6	340.8	341.0
125°	363.5	363.9	364.3	364.8	365.2	365.4	365.3	365.1	364.8	364.6	364.4
127.5°	387.0	387.1	387.2	387.3	387.4	387.5	387.8	388.3	388.8	389.3	389.8
130°	409.5	409.6	409.7	409.8	409.9	410.0	410.2	410.5	410.8	411.1	411.4
132.5°	430.2	430.4	430.6	430.9	431.1	431.2	431.4	431.8	432.2	432.6	433.0
135°	451.0	450.9	450.8	450.7	450.6	450.5	450.7	451.1	451.5	451.9	452.3
137.5°	469.4	469.4	469.4	469.4	469.4	469.4	469.7	470.2	470.7	471.2	471.7
140°	487.3	487.5	487.7	487.9	488.1	488.2	488.3	488.5	488.7	488.9	489.1
142.5°	503.4	503.8	504.2	504.7	505.1	505.3	505.3	505.4	505.5	505.6	505.7
145°	520.0	520.3	520.6	520.9	521.2	521.4	521.4	521.4	521.4	521.4	521.4
147.5°	532.9	533.5	534.1	534.7	535.3	535.6	535.6	535.5	535.4	535.3	535.2
150°	547.1	547.5	547.9	548.4	548.8	549.0	548.9	548.8	548.7	548.6	548.5
152.5°	559.1	559.4	559.7	560.0	560.3	560.5	560.4	560.2	559.9	559.7	559.5
155°	570.1	570.2	570.3	570.4	570.5	570.6	570.4	570.1	569.8	569.5	569.2
157.5°	579.8	579.8	579.8	579.8	579.8	579.8	579.6	579.2	578.8	578.4	578.0
160°	588.1	587.8	587.5	587.2	586.9	586.7	586.6	586.5	586.4	586.3	586.2
162.5°	595.4	595.0	594.6	594.2	593.8	593.6	593.5	593.4	593.3	593.2	593.1
165°	601.4	600.9	600.4	599.9	599.4	599.1	599.1	599.1	599.1	599.1	599.1
167.5°	606.5	606.0	605.5	605.0	604.5	604.2	604.1	604.0	603.9	603.8	603.7
170°	610.6	610.0	609.4	608.8	608.2	607.9	607.9	608.0	608.1	608.2	608.3
172.5°	613.4	612.8	612.2	611.5	610.9	610.6	610.7	610.8	610.9	611.0	611.1
175°	615.2	614.6	614.0	613.4	612.8	612.5	612.5	612.6	612.7	612.8	612.9
177.5°	616.6	615.9	615.2	614.5	613.8	613.4	613.5	613.7	613.9	614.1	614.3
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2026.7	2055.6	2068.5	2071.7	2089.4	2078.1	2082.9	2081.3	2094.2	2095.8	2095.8
5°	2174.5	2208.3	2219.5	2235.6	2259.7	2266.2	2261.3	2271.0	2288.7	2275.8	2295.1
7.5°	2330.4	2367.4	2393.1	2428.5	2436.5	2457.4	2470.3	2481.5	2484.7	2486.3	2489.6
10°	2475.1	2521.7	2557.1	2616.5	2629.4	2640.6	2696.9	2674.4	2703.3	2693.7	2696.9
12.5°	2592.4	2684.0	2713.0	2812.6	2822.2	2860.8	2857.6	2893.0	2899.4	2912.3	2899.4
15°	2746.7	2852.8	2899.4	2955.6	2987.8	3032.8	3040.8	3089.0	3108.3	3126.0	3108.3
17.5°	2888.1	2944.4	3063.3	3108.3	3129.2	3153.3	3214.4	3232.1	3261.0	3249.8	3281.9
20°	2958.9	3039.2	3164.6	3241.7	3273.9	3296.4	3347.8	3375.1	3386.4	3386.4	3389.6
22.5°	3021.5	3137.3	3230.5	3318.9	3347.8	3363.9	3394.4	3415.3	3420.1	3423.3	3426.6
25°	3077.8	3182.3	3257.8	3307.6	3318.9	3318.9	3336.6	3323.7	3302.8	3318.9	3328.5
27.5°	3077.8	3151.7	3185.5	3203.2	3203.2	3159.8	3134.0	3081.0	3036.0	3023.2	3052.1
30°	3026.4	3060.1	3013.5	2970.1	2936.4	2907.4	2806.2	2725.8	2709.7	2698.5	2741.9
32.5°	2907.4	2864.0	2772.4	2647.1	2597.2	2531.3	2452.6	2391.5	2354.6	2341.7	2332.1
35°	2696.9	2584.4	2465.5	2296.7	2261.3	2177.8	2070.1	2025.1	1964.0	1962.4	1983.3
37.5°	2467.1	2293.5	2164.9	2004.2	1954.4	1866.0	1764.7	1718.1	1676.3	1644.2	1682.7
40°	2198.7	2047.6	1851.5	1719.7	1649.0	1602.4	1517.2	1465.8	1446.5	1430.4	1454.5
42.5°	1947.9	1782.4	1629.7	1494.7	1436.8	1383.8	1327.6	1277.7	1263.3	1261.7	1279.3
45°	1698.8	1536.5	1395.1	1279.3	1242.4	1210.2	1155.6	1141.1	1117.0	1100.9	1109.0
47.5°	1499.5	1332.4	1215.0	1126.6	1094.5	1067.2	1031.8	1007.7	986.8	980.4	990.0
50°	1303.4	1190.9	1070.4	996.5	972.4	946.6	919.3	896.8	887.2	880.7	887.2
52.5°	1145.9	1025.4	943.4	884.0	859.9	840.6	821.3	811.6	798.8	802.0	808.4
55°	1004.5	898.4	829.3	785.9	771.5	763.4	739.3	728.1	723.2	720.0	723.2
57.5°	871.1	794.0	742.5	705.6	686.3	681.5	662.2	662.2	657.3	652.5	654.1
60°	765.0	699.1	649.3	620.4	617.2	609.1	596.3	594.7	583.4	588.2	589.8
62.5°	657.3	604.3	570.6	552.9	541.6	538.4	530.4	528.8	523.9	525.6	522.3
65°	572.2	528.8	495.0	480.6	475.7	474.1	467.7	462.9	459.7	462.9	459.7
67.5°	487.0	458.1	432.3	417.9	411.4	409.8	405.0	401.8	403.4	398.6	401.8
70°	406.6	377.7	361.6	353.6	350.4	345.5	345.5	345.5	345.5	342.3	340.7
72.5°	342.3	313.4	302.2	297.3	294.1	292.5	287.7	289.3	287.7	286.1	292.5
75°	271.6	253.9	242.7	237.9	241.1	236.3	231.4	234.7	229.8	231.4	237.9
77.5°	205.7	197.7	191.3	188.0	184.8	181.6	181.6	178.4	178.4	178.4	178.4
80°	149.5	147.9	136.6	135.0	135.0	131.8	131.8	131.8	131.8	130.2	131.8
82.5°	99.6	98.0	94.8	93.2	90.0	91.6	91.6	88.4	88.4	86.8	88.4
85°	57.9	57.9	54.6	53.0	51.4	53.0	49.8	48.2	49.8	48.2	49.8
87.5°	27.3	24.1	25.7	24.1	20.9	22.5	19.3	20.9	19.3	17.7	20.9
90°	10.7	11.3	12.0	12.6	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	10.3	10.9	11.5	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.4
95°	10.7	11.3	12.0	12.6	12.9	12.9	13.0	13.1	13.2	13.3	13.2
97.5°	10.6	11.1	11.6	12.1	12.4	12.5	12.6	12.7	12.8	12.9	12.8
100°	18.5	16.7	15.0	13.3	12.4	12.5	12.6	12.7	12.8	12.9	12.8
102.5°	93.9	70.9	47.8	24.8	13.3	13.3	13.3	13.3	13.3	13.3	13.3
105°	144.5	145.4	146.3	147.2	147.7	145.9	142.2	138.5	134.8	131.1	134.8
107.5°	173.5	174.0	174.5	175.0	175.3	175.5	175.9	176.4	176.8	177.2	176.8
110°	203.1	203.3	203.5	203.7	203.8	204.0	204.3	204.6	204.9	205.2	204.9

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	231.8	231.7	231.6	231.5	231.5	231.7	232.1	232.5	232.9	233.3	232.9
115°	259.7	259.9	260.1	260.3	260.4	260.4	260.4	260.4	260.4	260.4	260.4
117.5°	288.9	288.8	288.7	288.6	288.5	288.5	288.5	288.5	288.5	288.5	288.5
120°	314.9	315.1	315.4	315.6	315.7	315.6	315.4	315.1	314.9	314.7	314.9
122.5°	341.1	341.2	341.3	341.4	341.4	341.3	341.1	340.9	340.7	340.5	340.7
125°	364.7	365.0	365.3	365.6	365.8	365.9	366.0	366.1	366.2	366.3	366.2
127.5°	389.7	389.6	389.5	389.4	389.3	389.2	389.1	389.0	388.9	388.8	388.9
130°	411.5	411.6	411.7	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
132.5°	433.1	433.2	433.3	433.4	433.5	433.4	433.3	433.2	433.1	433.0	433.1
135°	452.5	452.7	453.0	453.2	453.3	453.4	453.6	453.8	454.0	454.2	454.0
137.5°	471.9	472.1	472.3	472.5	472.6	472.5	472.4	472.3	472.2	472.1	472.2
140°	489.4	489.7	490.0	490.3	490.5	490.6	490.7	490.8	490.9	491.0	490.9
142.5°	505.9	506.1	506.3	506.5	506.6	506.6	506.6	506.6	506.6	506.6	506.6
145°	521.5	521.6	521.7	521.8	521.8	521.9	522.1	522.3	522.5	522.7	522.5
147.5°	535.3	535.4	535.5	535.6	535.6	535.7	535.8	535.9	536.0	536.1	536.0
150°	548.5	548.5	548.5	548.5	548.5	548.6	548.7	548.8	548.9	549.0	548.9
152.5°	559.7	559.9	560.2	560.4	560.5	560.4	560.3	560.2	560.1	560.0	560.1
155°	569.6	570.0	570.5	570.9	571.1	570.9	570.6	570.3	570.0	569.7	570.0
157.5°	578.5	579.0	579.5	580.0	580.3	580.0	579.5	579.0	578.5	578.0	578.5
160°	586.8	587.4	588.1	588.7	589.0	588.7	588.1	587.4	586.8	586.2	586.8
162.5°	593.7	594.3	595.0	595.6	595.9	595.5	594.8	594.1	593.4	592.7	593.4
165°	599.9	600.7	601.6	602.4	602.8	602.3	601.4	600.5	599.6	598.7	599.6
167.5°	604.6	605.6	606.5	607.4	607.9	607.4	606.4	605.3	604.3	603.3	604.3
170°	609.1	609.9	610.8	611.6	612.0	611.5	610.5	609.4	608.4	607.4	608.4
172.5°	611.9	612.7	613.6	614.4	614.8	614.2	613.1	612.0	610.8	609.7	610.8
175°	613.8	614.8	615.7	616.6	617.1	616.5	615.2	614.0	612.7	611.5	612.7
177.5°	615.1	615.9	616.8	617.6	618.0	617.4	616.2	614.9	613.7	612.5	613.7
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2092.6	2087.8	2081.3	2081.3	2073.3	2073.3	2060.4	2037.9	2018.6	2012.2	2015.4
5°	2271.0	2272.6	2262.9	2254.9	2240.4	2229.2	2208.3	2168.1	2155.3	2129.5	2111.9
7.5°	2475.1	2468.7	2451.0	2438.1	2434.9	2409.2	2364.2	2316.0	2277.4	2251.7	2214.7
10°	2704.9	2679.2	2653.5	2645.5	2626.2	2582.8	2531.3	2478.3	2425.3	2369.0	2306.3
12.5°	2897.8	2848.0	2846.4	2827.1	2790.1	2766.0	2704.9	2629.4	2537.8	2475.1	2404.4
15°	3105.1	3058.5	3019.9	2984.6	2966.9	2896.2	2844.8	2749.9	2640.6	2573.1	2524.9
17.5°	3253.0	3232.1	3166.2	3150.1	3126.0	3044.0	2962.1	2868.9	2774.0	2679.2	2549.0
20°	3371.9	3359.1	3315.7	3293.2	3254.6	3190.3	3090.7	2983.0	2873.7	2738.7	2616.5
22.5°	3423.3	3407.3	3371.9	3352.6	3328.5	3273.9	3188.7	3066.5	2923.5	2803.0	2672.8
25°	3322.1	3351.0	3341.4	3333.3	3323.7	3291.6	3227.3	3119.6	2979.8	2843.1	2680.8
27.5°	3093.9	3143.7	3191.9	3198.3	3214.4	3227.3	3201.5	3124.4	3007.1	2862.4	2684.0
30°	2786.9	2809.4	2907.4	2936.4	2958.9	3040.8	3089.0	3069.8	2979.8	2849.6	2685.6
32.5°	2393.1	2452.6	2552.2	2621.3	2682.4	2774.0	2899.4	2949.2	2917.1	2811.0	2648.7
35°	2020.3	2091.0	2206.7	2295.1	2356.2	2486.3	2634.2	2741.9	2782.1	2729.0	2584.4
37.5°	1714.9	1800.1	1902.9	1936.7	2007.4	2168.1	2372.2	2521.7	2619.7	2624.6	2512.1
40°	1485.1	1528.5	1610.4	1661.8	1731.0	1866.0	2065.3	2262.9	2410.8	2460.6	2401.2
42.5°	1290.6	1324.3	1385.4	1448.1	1510.8	1613.6	1796.9	1981.7	2181.0	2280.6	2279.0
45°	1136.3	1171.7	1213.4	1264.9	1308.3	1419.2	1563.8	1753.5	1925.4	2079.7	2118.3
47.5°	1001.3	1031.8	1083.3	1105.8	1134.7	1239.2	1364.5	1541.3	1719.7	1896.5	1941.5
50°	901.6	927.4	962.7	977.2	1009.3	1086.5	1189.3	1332.4	1530.1	1692.4	1776.0
52.5°	811.6	830.9	858.2	869.5	892.0	949.9	1043.1	1155.6	1319.5	1486.7	1604.0
55°	734.5	747.3	766.6	779.5	795.6	847.0	916.1	1017.4	1158.8	1303.4	1417.6
57.5°	662.2	671.8	691.1	697.5	710.4	750.6	798.8	884.0	1014.1	1142.7	1253.6
60°	594.7	601.1	612.3	626.8	636.5	663.8	708.8	779.5	884.0	1001.3	1091.3
62.5°	530.4	540.0	543.2	549.7	557.7	583.4	618.8	670.2	761.8	858.2	953.1
65°	464.5	472.5	478.9	480.6	488.6	507.9	540.0	585.0	644.5	728.1	816.5
67.5°	403.4	408.2	411.4	417.9	425.9	435.6	461.3	495.0	549.7	617.2	687.9
70°	347.2	347.2	352.0	353.6	363.2	374.5	385.7	417.9	466.1	520.7	569.0
72.5°	286.1	294.1	292.5	300.5	298.9	307.0	321.4	342.3	377.7	421.1	467.7
75°	233.0	237.9	237.9	237.9	241.1	247.5	255.5	274.8	302.2	337.5	364.8
77.5°	181.6	184.8	184.8	184.8	186.4	192.9	200.9	213.8	233.0	253.9	270.0
80°	130.2	133.4	133.4	136.6	136.6	138.2	146.3	152.7	162.3	178.4	194.5
82.5°	88.4	90.0	93.2	93.2	91.6	94.8	96.4	102.9	112.5	115.7	127.0
85°	48.2	49.8	51.4	51.4	53.0	56.3	54.6	61.1	61.1	67.5	70.7
87.5°	19.3	22.5	22.5	20.9	22.5	22.5	22.5	25.7	27.3	28.9	27.3
90°	13.4	13.2	13.0	12.9	12.6	12.0	11.3	10.7	10.1	9.3	8.5
92.5°	12.4	12.4	12.4	12.4	12.1	11.5	10.9	10.3	9.7	8.9	8.1
95°	13.1	13.0	12.9	12.9	12.6	12.0	11.3	10.7	10.1	10.0	9.9
97.5°	12.7	12.6	12.5	12.4	12.1	11.6	11.1	10.6	10.1	20.8	31.6
100°	12.7	12.6	12.5	12.4	13.3	15.0	16.7	18.5	20.2	34.3	48.4
102.5°	13.3	13.3	13.3	13.3	24.8	47.8	70.9	93.9	116.9	115.7	114.5
105°	138.5	142.2	145.9	147.7	147.2	146.3	145.4	144.5	143.6	143.1	142.6
107.5°	176.4	175.9	175.5	175.3	175.0	174.5	174.0	173.5	173.0	172.3	171.6
110°	204.6	204.3	204.0	203.8	203.7	203.5	203.3	203.1	202.9	202.3	201.7

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	232.5	232.1	231.7	231.5	231.5	231.6	231.7	231.8	231.9	231.7	231.5
115°	260.4	260.4	260.4	260.4	260.3	260.1	259.9	259.7	259.5	259.6	259.7
117.5°	288.5	288.5	288.5	288.5	288.6	288.7	288.8	288.9	289.0	288.7	288.4
120°	315.1	315.4	315.6	315.7	315.6	315.4	315.1	314.9	314.7	314.8	314.9
122.5°	340.9	341.1	341.3	341.4	341.4	341.3	341.2	341.1	341.0	340.8	340.6
125°	366.1	366.0	365.9	365.8	365.6	365.3	365.0	364.7	364.4	364.6	364.8
127.5°	389.0	389.1	389.2	389.3	389.4	389.5	389.6	389.7	389.8	389.3	388.8
130°	411.8	411.8	411.8	411.8	411.8	411.7	411.6	411.5	411.4	411.1	410.8
132.5°	433.2	433.3	433.4	433.5	433.4	433.3	433.2	433.1	433.0	432.6	432.2
135°	453.8	453.6	453.4	453.3	453.2	453.0	452.7	452.5	452.3	451.9	451.5
137.5°	472.3	472.4	472.5	472.6	472.5	472.3	472.1	471.9	471.7	471.2	470.7
140°	490.8	490.7	490.6	490.5	490.3	490.0	489.7	489.4	489.1	488.9	488.7
142.5°	506.6	506.6	506.6	506.6	506.5	506.3	506.1	505.9	505.7	505.6	505.5
145°	522.3	522.1	521.9	521.8	521.8	521.7	521.6	521.5	521.4	521.4	521.4
147.5°	535.9	535.8	535.7	535.6	535.6	535.5	535.4	535.3	535.2	535.3	535.4
150°	548.8	548.7	548.6	548.5	548.5	548.5	548.5	548.5	548.5	548.6	548.7
152.5°	560.2	560.3	560.4	560.5	560.4	560.2	559.9	559.7	559.5	559.7	559.9
155°	570.3	570.6	570.9	571.1	570.9	570.5	570.0	569.6	569.2	569.5	569.8
157.5°	579.0	579.5	580.0	580.3	580.0	579.5	579.0	578.5	578.0	578.4	578.8
160°	587.4	588.1	588.7	589.0	588.7	588.1	587.4	586.8	586.2	586.3	586.4
162.5°	594.1	594.8	595.5	595.9	595.6	595.0	594.3	593.7	593.1	593.2	593.3
165°	600.5	601.4	602.3	602.8	602.4	601.6	600.7	599.9	599.1	599.1	599.1
167.5°	605.3	606.4	607.4	607.9	607.4	606.5	605.6	604.6	603.7	603.8	603.9
170°	609.4	610.5	611.5	612.0	611.6	610.8	609.9	609.1	608.3	608.2	608.1
172.5°	612.0	613.1	614.2	614.8	614.4	613.6	612.7	611.9	611.1	611.0	610.9
175°	614.0	615.2	616.5	617.1	616.6	615.7	614.8	613.8	612.9	612.8	612.7
177.5°	614.9	616.2	617.4	618.0	617.6	616.8	615.9	615.1	614.3	614.1	613.9
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2001.0	1994.5	1989.7	1989.7	1975.3	1960.8	1952.8	1949.5	1946.3	1933.5	1915.8
5°	2082.9	2062.0	2047.6	2033.1	2009.0	1983.3	1957.6	1943.1	1922.2	1893.3	1872.4
7.5°	2174.5	2124.7	2108.7	2091.0	2042.8	1999.4	1964.0	1933.5	1899.7	1862.7	1825.8
10°	2251.7	2198.7	2163.3	2132.8	2070.1	2012.2	1959.2	1914.2	1870.8	1822.6	1777.6
12.5°	2325.6	2250.1	2213.1	2168.1	2102.2	2018.6	1949.5	1893.3	1829.0	1779.2	1724.5
15°	2428.5	2301.5	2240.4	2211.5	2123.1	2025.1	1941.5	1857.9	1804.9	1729.4	1681.1
17.5°	2444.6	2341.7	2301.5	2227.6	2121.5	2010.6	1914.2	1830.6	1750.2	1682.7	1620.1
20°	2500.8	2365.8	2301.5	2254.9	2115.1	2002.6	1896.5	1788.8	1711.7	1639.3	1568.6
22.5°	2536.2	2383.5	2316.0	2242.0	2108.7	1973.6	1848.3	1755.1	1660.2	1586.3	1530.1
25°	2526.5	2373.8	2298.3	2229.2	2066.9	1931.9	1819.4	1700.4	1612.0	1531.7	1457.7
27.5°	2521.7	2349.7	2269.4	2192.2	2039.5	1898.1	1756.7	1660.2	1562.2	1469.0	1414.3
30°	2508.8	2319.2	2226.0	2142.4	1983.3	1835.4	1714.9	1602.4	1504.3	1419.2	1346.8
32.5°	2465.5	2267.8	2177.8	2087.8	1922.2	1774.4	1652.2	1547.7	1449.7	1361.3	1292.2
35°	2407.6	2206.7	2108.7	2013.8	1848.3	1698.8	1586.3	1477.0	1385.4	1300.2	1234.3
37.5°	2349.7	2136.0	2044.4	1935.1	1782.4	1626.5	1510.8	1412.7	1327.6	1239.2	1166.8
40°	2266.2	2052.4	1951.1	1857.9	1679.5	1533.3	1427.2	1338.8	1255.2	1171.7	1110.6
42.5°	2152.0	1960.8	1856.3	1753.5	1586.3	1441.7	1338.8	1260.0	1181.3	1112.2	1044.7
45°	2036.3	1849.9	1756.7	1665.1	1483.4	1346.8	1252.0	1179.7	1113.8	1038.3	983.6
47.5°	1896.5	1739.0	1645.8	1555.8	1383.8	1247.2	1160.4	1092.9	1031.8	969.1	917.7
50°	1753.5	1616.8	1531.7	1438.4	1274.5	1150.8	1065.6	1009.3	959.5	900.0	858.2
52.5°	1599.2	1480.2	1407.9	1317.9	1173.3	1059.1	972.4	916.1	874.3	830.9	794.0
55°	1435.2	1348.4	1271.3	1199.0	1062.4	959.5	882.4	832.5	803.6	763.4	731.3
57.5°	1287.4	1203.8	1157.2	1075.2	956.3	855.0	794.0	752.2	718.4	694.3	668.6
60°	1133.1	1065.6	1014.1	954.7	850.2	765.0	700.7	676.6	641.3	623.6	612.3
62.5°	985.2	937.0	888.8	843.8	750.6	670.2	622.0	591.5	570.6	552.9	543.2
65°	845.4	800.4	766.6	726.5	649.3	585.0	540.0	515.9	495.0	490.2	478.9
67.5°	708.8	689.5	652.5	620.4	554.5	504.7	470.9	440.4	429.1	424.3	414.7
70°	593.1	570.6	541.6	514.3	464.5	421.1	390.6	379.3	363.2	361.6	350.4
72.5°	488.6	461.3	440.4	419.5	382.5	343.9	327.9	311.8	303.8	297.3	292.5
75°	387.3	368.0	353.6	335.9	303.8	278.0	255.5	249.1	244.3	242.7	239.5
77.5°	289.3	276.4	270.0	252.3	229.8	207.3	197.7	188.0	188.0	184.8	186.4
80°	205.7	197.7	189.7	180.0	160.7	151.1	143.0	136.6	133.4	131.8	133.4
82.5°	130.2	125.4	123.8	117.3	104.5	99.6	93.2	88.4	88.4	88.4	88.4
85°	72.3	72.3	72.3	62.7	57.9	53.0	49.8	48.2	48.2	48.2	49.8
87.5°	30.5	30.5	25.7	25.7	24.1	20.9	19.3	19.3	20.9	20.9	22.5
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°	7.2	6.4	6.0	6.1	6.3	6.5	6.7	6.9	6.7	6.5	6.3
95°	9.8	9.7	9.7	11.4	14.9	18.4	21.8	25.3	21.8	18.4	14.9
97.5°	42.3	53.0	58.4	57.3	55.0	52.8	50.5	48.3	50.5	52.8	55.0
100°	62.5	76.6	83.7	82.8	81.0	79.1	77.3	75.5	77.3	79.1	81.0
102.5°	113.2	112.0	111.4	110.8	109.5	108.3	107.0	105.8	107.0	108.3	109.5
105°	142.1	141.6	141.3	141.0	140.4	139.7	139.1	138.5	139.1	139.7	140.4
107.5°	170.9	170.2	169.8	169.6	169.3	169.0	168.7	168.4	168.7	169.0	169.3
110°	201.1	200.5	200.2	200.0	199.7	199.4	199.1	198.8	199.1	199.4	199.7

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	231.3	231.1	231.0	230.7	230.1	229.4	228.8	228.2	228.8	229.4	230.1
115°	259.8	259.9	260.0	259.8	259.5	259.2	258.9	258.6	258.9	259.2	259.5
117.5°	288.1	287.8	287.6	287.4	287.0	286.6	286.2	285.8	286.2	286.6	287.0
120°	315.0	315.1	315.2	315.0	314.6	314.2	313.8	313.4	313.8	314.2	314.6
122.5°	340.4	340.2	340.1	340.0	339.8	339.5	339.3	339.1	339.3	339.5	339.8
125°	365.1	365.3	365.4	365.2	364.8	364.3	363.9	363.5	363.9	364.3	364.8
127.5°	388.3	387.8	387.5	387.4	387.3	387.2	387.1	387.0	387.1	387.2	387.3
130°	410.5	410.2	410.0	409.9	409.8	409.7	409.6	409.5	409.6	409.7	409.8
132.5°	431.8	431.4	431.2	431.1	430.9	430.6	430.4	430.2	430.4	430.6	430.9
135°	451.1	450.7	450.5	450.6	450.7	450.8	450.9	451.0	450.9	450.8	450.7
137.5°	470.2	469.7	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
140°	488.5	488.3	488.2	488.1	487.9	487.7	487.5	487.3	487.5	487.7	487.9
142.5°	505.4	505.3	505.3	505.1	504.7	504.2	503.8	503.4	503.8	504.2	504.7
145°	521.4	521.4	521.4	521.2	520.9	520.6	520.3	520.0	520.3	520.6	520.9
147.5°	535.5	535.6	535.6	535.3	534.7	534.1	533.5	532.9	533.5	534.1	534.7
150°	548.8	548.9	549.0	548.8	548.4	547.9	547.5	547.1	547.5	547.9	548.4
152.5°	560.2	560.4	560.5	560.3	560.0	559.7	559.4	559.1	559.4	559.7	560.0
155°	570.1	570.4	570.6	570.5	570.4	570.3	570.2	570.1	570.2	570.3	570.4
157.5°	579.2	579.6	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8
160°	586.5	586.6	586.7	586.9	587.2	587.5	587.8	588.1	587.8	587.5	587.2
162.5°	593.4	593.5	593.6	593.8	594.2	594.6	595.0	595.4	595.0	594.6	594.2
165°	599.1	599.1	599.1	599.4	599.9	600.4	600.9	601.4	600.9	600.4	599.9
167.5°	604.0	604.1	604.2	604.5	605.0	605.5	606.0	606.5	606.0	605.5	605.0
170°	608.0	607.9	607.9	608.2	608.8	609.4	610.0	610.6	610.0	609.4	608.8
172.5°	610.8	610.7	610.6	610.9	611.5	612.2	612.8	613.4	612.8	612.2	611.5
175°	612.6	612.5	612.5	612.8	613.4	614.0	614.6	615.2	614.6	614.0	613.4
177.5°	613.7	613.5	613.4	613.8	614.5	615.2	615.9	616.6	615.9	615.2	614.5
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1911.0	1904.5	1907.8	1891.7	1877.2	1856.3	1838.6	1835.4	1832.2	1841.9	1835.4
5°	1856.3	1848.3	1840.2	1821.0	1792.0	1774.4	1748.6	1747.0	1737.4	1722.9	1726.1
7.5°	1796.9	1792.0	1780.8	1750.2	1724.5	1694.0	1673.1	1655.4	1647.4	1634.5	1629.7
10°	1748.6	1731.0	1721.3	1687.6	1657.0	1624.9	1597.6	1584.7	1570.2	1559.0	1551.0
12.5°	1682.7	1677.9	1650.6	1623.3	1597.6	1560.6	1539.7	1502.7	1483.4	1493.1	1489.9
15°	1639.3	1616.8	1610.4	1571.8	1528.5	1504.3	1465.8	1441.7	1433.6	1419.2	1401.5
17.5°	1581.5	1567.0	1544.5	1509.2	1459.3	1425.6	1398.3	1375.8	1366.1	1346.8	1332.4
20°	1526.8	1502.7	1485.1	1452.9	1404.7	1361.3	1327.6	1313.1	1289.0	1272.9	1264.9
22.5°	1477.0	1459.3	1433.6	1385.4	1343.6	1301.8	1261.7	1240.8	1218.3	1208.6	1195.8
25°	1415.9	1387.0	1369.3	1316.3	1271.3	1237.5	1200.6	1173.3	1160.4	1144.3	1141.1
27.5°	1356.5	1329.2	1308.3	1261.7	1207.0	1163.6	1141.1	1121.8	1099.3	1099.3	1091.3
30°	1297.0	1277.7	1245.6	1200.6	1149.2	1107.4	1081.6	1064.0	1055.9	1049.5	1047.9
32.5°	1237.5	1211.8	1192.5	1131.5	1092.9	1054.3	1035.0	1020.6	1010.9	1009.3	1010.9
35°	1176.5	1147.5	1128.3	1073.6	1035.0	999.7	991.6	978.8	974.0	972.4	980.4
37.5°	1112.2	1089.7	1065.6	1020.6	977.2	956.3	940.2	935.4	933.8	943.4	946.6
40°	1052.7	1033.4	1010.9	962.7	930.6	908.1	900.0	895.2	901.6	911.3	916.1
42.5°	996.5	969.1	951.5	908.1	879.1	866.3	856.6	856.6	863.1	874.3	882.4
45°	937.0	916.1	898.4	859.9	834.1	819.7	818.1	819.7	827.7	835.7	845.4
47.5°	879.1	858.2	839.0	806.8	784.3	776.3	774.7	776.3	789.1	800.4	811.6
50°	826.1	803.6	785.9	755.4	737.7	728.1	729.7	737.7	747.3	763.4	777.9
52.5°	763.4	747.3	731.3	704.0	687.9	681.5	686.3	692.7	710.4	721.6	739.3
55°	702.3	687.9	675.0	654.1	641.3	636.5	639.7	649.3	663.8	683.1	704.0
57.5°	646.1	630.0	617.2	602.7	588.2	589.8	591.5	604.3	622.0	639.7	663.8
60°	583.4	573.8	562.5	544.8	538.4	538.4	543.2	557.7	573.8	602.7	623.6
62.5°	527.2	514.3	506.3	495.0	485.4	487.0	498.2	511.1	530.4	554.5	581.8
65°	469.3	454.8	448.4	438.8	435.6	437.2	445.2	464.5	485.4	506.3	532.0
67.5°	405.0	400.2	393.8	384.1	387.3	388.9	397.0	413.1	435.6	456.4	485.4
70°	350.4	340.7	339.1	331.1	331.1	335.9	352.0	363.2	384.1	406.6	437.2
72.5°	292.5	284.5	284.5	278.0	282.9	287.7	295.7	311.8	331.1	353.6	379.3
75°	233.0	229.8	233.0	229.8	229.8	237.9	247.5	260.4	281.3	305.4	326.3
77.5°	180.0	180.0	178.4	183.2	183.2	188.0	200.9	213.8	229.8	249.1	271.6
80°	131.8	131.8	131.8	136.6	141.4	141.4	149.5	165.5	180.0	192.9	213.8
82.5°	90.0	90.0	90.0	93.2	99.6	99.6	109.3	118.9	135.0	146.3	155.9
85°	54.6	54.6	53.0	56.3	57.9	62.7	70.7	77.1	85.2	94.8	104.5
87.5°	24.1	24.1	25.7	27.3	28.9	32.1	35.4	38.6	46.6	49.8	54.6
90°	5.8	6.4	6.8	7.6	8.5	9.3	10.1	10.7	11.3	12.0	12.6
92.5°	6.1	6.0	6.4	7.2	8.1	8.9	9.7	10.3	10.9	11.5	12.1
95°	11.4	9.7	9.7	9.8	9.9	10.0	10.1	10.7	11.3	12.0	12.6
97.5°	57.3	58.4	53.0	42.3	31.6	20.8	10.1	10.6	11.1	11.6	12.1
100°	82.8	83.7	76.6	62.5	48.4	34.3	20.2	18.5	16.7	15.0	13.3
102.5°	110.8	111.4	112.0	113.2	114.5	115.7	116.9	93.9	70.9	47.8	24.8
105°	141.0	141.3	141.6	142.1	142.6	143.1	143.6	144.5	145.4	146.3	147.2
107.5°	169.6	169.8	170.2	170.9	171.6	172.3	173.0	173.5	174.0	174.5	175.0
110°	200.0	200.2	200.5	201.1	201.7	202.3	202.9	203.1	203.3	203.5	203.7



TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	230.7	231.0	231.1	231.3	231.5	231.7	231.9	231.8	231.7	231.6	231.5
115°	259.8	260.0	259.9	259.8	259.7	259.6	259.5	259.7	259.9	260.1	260.3
117.5°	287.4	287.6	287.8	288.1	288.4	288.7	289.0	288.9	288.8	288.7	288.6
120°	315.0	315.2	315.1	315.0	314.9	314.8	314.7	314.9	315.1	315.4	315.6
122.5°	340.0	340.1	340.2	340.4	340.6	340.8	341.0	341.1	341.2	341.3	341.4
125°	365.2	365.4	365.3	365.1	364.8	364.6	364.4	364.7	365.0	365.3	365.6
127.5°	387.4	387.5	387.8	388.3	388.8	389.3	389.8	389.7	389.6	389.5	389.4
130°	409.9	410.0	410.2	410.5	410.8	411.1	411.4	411.5	411.6	411.7	411.8
132.5°	431.1	431.2	431.4	431.8	432.2	432.6	433.0	433.1	433.2	433.3	433.4
135°	450.6	450.5	450.7	451.1	451.5	451.9	452.3	452.5	452.7	453.0	453.2
137.5°	469.4	469.4	469.7	470.2	470.7	471.2	471.7	471.9	472.1	472.3	472.5
140°	488.1	488.2	488.3	488.5	488.7	488.9	489.1	489.4	489.7	490.0	490.3
142.5°	505.1	505.3	505.3	505.4	505.5	505.6	505.7	505.9	506.1	506.3	506.5
145°	521.2	521.4	521.4	521.4	521.4	521.4	521.4	521.5	521.6	521.7	521.8
147.5°	535.3	535.6	535.6	535.5	535.4	535.3	535.2	535.3	535.4	535.5	535.6
150°	548.8	549.0	548.9	548.8	548.7	548.6	548.5	548.5	548.5	548.5	548.5
152.5°	560.3	560.5	560.4	560.2	559.9	559.7	559.5	559.7	559.9	560.2	560.4
155°	570.5	570.6	570.4	570.1	569.8	569.5	569.2	569.6	570.0	570.5	570.9
157.5°	579.8	579.8	579.6	579.2	578.8	578.4	578.0	578.5	579.0	579.5	580.0
160°	586.9	586.7	586.6	586.5	586.4	586.3	586.2	586.8	587.4	588.1	588.7
162.5°	593.8	593.6	593.5	593.4	593.3	593.2	593.1	593.7	594.3	595.0	595.6
165°	599.4	599.1	599.1	599.1	599.1	599.1	599.1	599.9	600.7	601.6	602.4
167.5°	604.5	604.2	604.1	604.0	603.9	603.8	603.7	604.6	605.6	606.5	607.4
170°	608.2	607.9	607.9	608.0	608.1	608.2	608.3	609.1	609.9	610.8	611.6
172.5°	610.9	610.6	610.7	610.8	610.9	611.0	611.1	611.9	612.7	613.6	614.4
175°	612.8	612.5	612.5	612.6	612.7	612.8	612.9	613.8	614.8	615.7	616.6
177.5°	613.8	613.4	613.5	613.7	613.9	614.1	614.3	615.1	615.9	616.8	617.6
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1830.6	1829.0	1821.0	1824.2	1814.5	1817.7	1822.6	1824.2	1830.6	1825.8	1824.2
5°	1718.1	1714.9	1710.1	1705.2	1703.6	1710.1	1698.8	1702.0	1705.2	1710.1	1716.5
7.5°	1626.5	1624.9	1620.1	1612.0	1608.8	1605.6	1607.2	1618.5	1616.8	1615.2	1626.5
10°	1542.9	1544.5	1534.9	1533.3	1523.6	1522.0	1523.6	1526.8	1531.7	1538.1	1539.7
12.5°	1456.1	1477.0	1459.3	1452.9	1438.4	1446.5	1449.7	1435.2	1443.3	1448.1	1472.2
15°	1401.5	1391.8	1380.6	1380.6	1374.2	1370.9	1362.9	1374.2	1380.6	1390.2	1387.0
17.5°	1325.9	1309.9	1303.4	1297.0	1298.6	1305.0	1287.4	1313.1	1313.1	1317.9	1309.9
20°	1260.0	1247.2	1239.2	1235.9	1231.1	1227.9	1226.3	1232.7	1242.4	1245.6	1253.6
22.5°	1190.9	1190.9	1178.1	1173.3	1170.0	1165.2	1173.3	1168.4	1174.9	1181.3	1194.2
25°	1133.1	1133.1	1128.3	1121.8	1117.0	1113.8	1118.6	1117.0	1121.8	1129.9	1133.1
27.5°	1086.5	1081.6	1080.0	1078.4	1076.8	1078.4	1076.8	1081.6	1086.5	1088.1	1084.9
30°	1046.3	1041.5	1043.1	1043.1	1044.7	1043.1	1041.5	1046.3	1047.9	1044.7	1046.3
32.5°	1009.3	1009.3	1012.5	1014.1	1014.1	1015.8	1017.4	1014.1	1015.8	1010.9	1012.5
35°	978.8	982.0	985.2	986.8	988.4	986.8	990.0	988.4	985.2	982.0	980.4
37.5°	948.3	951.5	957.9	959.5	964.3	965.9	962.7	962.7	961.1	954.7	951.5
40°	916.1	919.3	927.4	932.2	935.4	940.2	937.0	937.0	930.6	924.1	919.3
42.5°	885.6	892.0	900.0	904.9	911.3	911.3	911.3	908.1	900.0	893.6	888.8
45°	855.0	856.6	867.9	875.9	882.4	882.4	882.4	877.5	872.7	859.9	853.4
47.5°	821.3	826.1	839.0	847.0	853.4	855.0	855.0	850.2	840.6	829.3	821.3
50°	784.3	792.4	806.8	818.1	826.1	829.3	824.5	821.3	810.0	797.2	787.5
52.5°	749.0	758.6	776.3	785.9	797.2	798.8	797.2	792.4	779.5	761.8	753.8
55°	713.6	721.6	740.9	757.0	766.6	769.9	766.6	758.6	742.5	724.8	716.8
57.5°	675.0	686.3	707.2	723.2	734.5	736.1	732.9	724.8	712.0	689.5	678.2
60°	634.8	649.3	670.2	686.3	700.7	702.3	699.1	687.9	671.8	649.3	639.7
62.5°	594.7	605.9	630.0	647.7	659.0	667.0	660.6	649.3	633.2	610.7	596.3
65°	548.1	564.1	585.0	601.1	614.0	615.6	612.3	602.7	585.0	560.9	549.7
67.5°	503.1	514.3	535.2	556.1	560.9	565.7	560.9	551.3	536.8	515.9	499.8
70°	448.4	458.1	483.8	498.2	504.7	509.5	506.3	496.6	483.8	464.5	451.6
72.5°	393.8	401.8	425.9	437.2	450.0	448.4	446.8	440.4	422.7	409.8	401.8
75°	335.9	345.5	361.6	376.1	380.9	380.9	380.9	376.1	364.8	343.9	335.9
77.5°	282.9	287.7	300.5	308.6	313.4	315.0	313.4	305.4	298.9	284.5	279.7
80°	217.0	229.8	239.5	241.1	247.5	247.5	247.5	244.3	237.9	223.4	221.8
82.5°	163.9	167.1	176.8	181.6	184.8	183.2	183.2	176.8	175.2	167.1	163.9
85°	110.9	115.7	114.1	120.5	122.1	118.9	118.9	122.1	114.1	115.7	110.9
87.5°	61.1	61.1	64.3	62.7	69.1	69.1	65.9	67.5	64.3	62.7	61.1
90°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
95°	12.9	12.9	13.0	13.1	13.2	13.3	13.2	13.1	13.0	12.9	12.9
97.5°	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.7	12.6	12.5	12.4
100°	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.7	12.6	12.5	12.4
102.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
105°	147.7	145.9	142.2	138.5	134.8	131.1	134.8	138.5	142.2	145.9	147.7
107.5°	175.3	175.5	175.9	176.4	176.8	177.2	176.8	176.4	175.9	175.5	175.3
110°	203.8	204.0	204.3	204.6	204.9	205.2	204.9	204.6	204.3	204.0	203.8

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	231.5	231.7	232.1	232.5	232.9	233.3	232.9	232.5	232.1	231.7	231.5
115°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
117.5°	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5	288.5
120°	315.7	315.6	315.4	315.1	314.9	314.7	314.9	315.1	315.4	315.6	315.7
122.5°	341.4	341.3	341.1	340.9	340.7	340.5	340.7	340.9	341.1	341.3	341.4
125°	365.8	365.9	366.0	366.1	366.2	366.3	366.2	366.1	366.0	365.9	365.8
127.5°	389.3	389.2	389.1	389.0	388.9	388.8	388.9	389.0	389.1	389.2	389.3
130°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
132.5°	433.5	433.4	433.3	433.2	433.1	433.0	433.1	433.2	433.3	433.4	433.5
135°	453.3	453.4	453.6	453.8	454.0	454.2	454.0	453.8	453.6	453.4	453.3
137.5°	472.6	472.5	472.4	472.3	472.2	472.1	472.2	472.3	472.4	472.5	472.6
140°	490.5	490.6	490.7	490.8	490.9	491.0	490.9	490.8	490.7	490.6	490.5
142.5°	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6
145°	521.8	521.9	522.1	522.3	522.5	522.7	522.5	522.3	522.1	521.9	521.8
147.5°	535.6	535.7	535.8	535.9	536.0	536.1	536.0	535.9	535.8	535.7	535.6
150°	548.5	548.6	548.7	548.8	548.9	549.0	548.9	548.8	548.7	548.6	548.5
152.5°	560.5	560.4	560.3	560.2	560.1	560.0	560.1	560.2	560.3	560.4	560.5
155°	571.1	570.9	570.6	570.3	570.0	569.7	570.0	570.3	570.6	570.9	571.1
157.5°	580.3	580.0	579.5	579.0	578.5	578.0	578.5	579.0	579.5	580.0	580.3
160°	589.0	588.7	588.1	587.4	586.8	586.2	586.8	587.4	588.1	588.7	589.0
162.5°	595.9	595.5	594.8	594.1	593.4	592.7	593.4	594.1	594.8	595.5	595.9
165°	602.8	602.3	601.4	600.5	599.6	598.7	599.6	600.5	601.4	602.3	602.8
167.5°	607.9	607.4	606.4	605.3	604.3	603.3	604.3	605.3	606.4	607.4	607.9
170°	612.0	611.5	610.5	609.4	608.4	607.4	608.4	609.4	610.5	611.5	612.0
172.5°	614.8	614.2	613.1	612.0	610.8	609.7	610.8	612.0	613.1	614.2	614.8
175°	617.1	616.5	615.2	614.0	612.7	611.5	612.7	614.0	615.2	616.5	617.1
177.5°	618.0	617.4	616.2	614.9	613.7	612.5	613.7	614.9	616.2	617.4	618.0
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1824.2	1833.8	1824.2	1830.6	1833.8	1841.9	1845.1	1859.5	1864.4	1875.6	1875.6
5°	1714.9	1719.7	1721.3	1727.7	1734.2	1750.2	1761.5	1782.4	1806.5	1809.7	1824.2
7.5°	1626.5	1634.5	1647.4	1642.6	1653.8	1677.9	1692.4	1718.1	1742.2	1755.1	1772.7
10°	1547.7	1557.4	1562.2	1567.0	1587.9	1608.8	1631.3	1649.0	1681.1	1700.4	1714.9
12.5°	1483.4	1475.4	1485.1	1502.7	1526.8	1539.7	1570.2	1597.6	1621.7	1642.6	1655.4
15°	1399.9	1406.3	1415.9	1446.5	1452.9	1485.1	1496.3	1526.8	1571.8	1591.1	1607.2
17.5°	1319.5	1340.4	1359.7	1370.9	1390.2	1415.9	1448.1	1481.8	1510.8	1533.3	1552.6
20°	1255.2	1276.1	1287.4	1295.4	1314.7	1350.1	1380.6	1422.4	1459.3	1477.0	1502.7
22.5°	1203.8	1203.8	1219.9	1244.0	1255.2	1289.0	1314.7	1359.7	1399.9	1422.4	1446.5
25°	1139.5	1149.2	1162.0	1182.9	1199.0	1226.3	1263.3	1301.8	1345.2	1364.5	1395.1
27.5°	1086.5	1097.7	1115.4	1120.2	1136.3	1160.4	1199.0	1240.8	1285.8	1306.7	1332.4
30°	1046.3	1052.7	1059.1	1068.8	1083.3	1104.1	1136.3	1173.3	1227.9	1244.0	1276.1
32.5°	1010.9	1014.1	1017.4	1025.4	1033.4	1054.3	1080.0	1120.2	1165.2	1189.3	1218.3
35°	978.8	975.6	977.2	982.0	990.0	998.1	1025.4	1059.1	1100.9	1129.9	1152.4
37.5°	948.3	941.8	940.2	940.2	943.4	953.1	974.0	1002.9	1047.9	1072.0	1094.5
40°	914.5	908.1	904.9	903.2	901.6	908.1	924.1	953.1	988.4	1010.9	1036.6
42.5°	882.4	875.9	867.9	866.3	863.1	866.3	877.5	904.9	935.4	957.9	978.8
45°	850.2	839.0	829.3	822.9	824.5	819.7	827.7	848.6	884.0	898.4	919.3
47.5°	814.9	802.0	789.1	782.7	776.3	779.5	782.7	800.4	830.9	845.4	866.3
50°	781.1	763.4	749.0	740.9	736.1	732.9	736.1	753.8	776.3	789.1	806.8
52.5°	742.5	724.8	710.4	697.5	691.1	686.3	687.9	704.0	724.8	737.7	755.4
55°	707.2	684.7	665.4	649.3	644.5	642.9	641.3	652.5	670.2	683.1	697.5
57.5°	667.0	644.5	623.6	604.3	594.7	593.1	593.1	596.3	618.8	628.4	636.5
60°	626.8	602.7	580.2	562.5	548.1	543.2	541.6	548.1	559.3	569.0	580.2
62.5°	581.8	557.7	530.4	514.3	499.8	487.0	491.8	493.4	509.5	514.3	523.9
65°	538.4	511.1	488.6	462.9	446.8	438.8	435.6	438.8	451.6	453.2	459.7
67.5°	488.6	462.9	435.6	417.9	403.4	388.9	385.7	385.7	392.2	397.0	405.0
70°	440.4	414.7	384.1	364.8	350.4	337.5	332.7	331.1	335.9	339.1	347.2
72.5°	384.1	358.4	335.9	315.0	297.3	287.7	282.9	279.7	284.5	287.7	289.3
75°	324.7	303.8	281.3	260.4	249.1	239.5	233.0	228.2	231.4	231.4	231.4
77.5°	268.4	247.5	229.8	215.4	200.9	189.7	184.8	180.0	181.6	181.6	184.8
80°	208.9	194.5	180.0	167.1	154.3	144.6	141.4	136.6	133.4	131.8	131.8
82.5°	154.3	143.0	130.2	118.9	112.5	102.9	99.6	93.2	93.2	91.6	91.6
85°	102.9	96.4	83.6	75.5	70.7	65.9	62.7	59.5	54.6	54.6	53.0
87.5°	54.6	51.4	48.2	38.6	38.6	33.8	32.1	30.5	25.7	27.3	27.3
90°	12.6	12.0	11.3	10.7	10.1	9.3	8.5	7.6	6.8	6.4	5.8
92.5°	12.1	11.5	10.9	10.3	9.7	8.9	8.1	7.2	6.4	6.0	6.1
95°	12.6	12.0	11.3	10.7	10.1	10.0	9.9	9.8	9.7	9.7	11.4
97.5°	12.1	11.6	11.1	10.6	10.1	20.8	31.6	42.3	53.0	58.4	57.3
100°	13.3	15.0	16.7	18.5	20.2	34.3	48.4	62.5	76.6	83.7	82.8
102.5°	24.8	47.8	70.9	93.9	116.9	115.7	114.5	113.2	112.0	111.4	110.8
105°	147.2	146.3	145.4	144.5	143.6	143.1	142.6	142.1	141.6	141.3	141.0
107.5°	175.0	174.5	174.0	173.5	173.0	172.3	171.6	170.9	170.2	169.8	169.6
110°	203.7	203.5	203.3	203.1	202.9	202.3	201.7	201.1	200.5	200.2	200.0

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	231.5	231.6	231.7	231.8	231.9	231.7	231.5	231.3	231.1	231.0	230.7
115°	260.3	260.1	259.9	259.7	259.5	259.6	259.7	259.8	259.9	260.0	259.8
117.5°	288.6	288.7	288.8	288.9	289.0	288.7	288.4	288.1	287.8	287.6	287.4
120°	315.6	315.4	315.1	314.9	314.7	314.8	314.9	315.0	315.1	315.2	315.0
122.5°	341.4	341.3	341.2	341.1	341.0	340.8	340.6	340.4	340.2	340.1	340.0
125°	365.6	365.3	365.0	364.7	364.4	364.6	364.8	365.1	365.3	365.4	365.2
127.5°	389.4	389.5	389.6	389.7	389.8	389.3	388.8	388.3	387.8	387.5	387.4
130°	411.8	411.7	411.6	411.5	411.4	411.1	410.8	410.5	410.2	410.0	409.9
132.5°	433.4	433.3	433.2	433.1	433.0	432.6	432.2	431.8	431.4	431.2	431.1
135°	453.2	453.0	452.7	452.5	452.3	451.9	451.5	451.1	450.7	450.5	450.6
137.5°	472.5	472.3	472.1	471.9	471.7	471.2	470.7	470.2	469.7	469.4	469.4
140°	490.3	490.0	489.7	489.4	489.1	488.9	488.7	488.5	488.3	488.2	488.1
142.5°	506.5	506.3	506.1	505.9	505.7	505.6	505.5	505.4	505.3	505.3	505.1
145°	521.8	521.7	521.6	521.5	521.4	521.4	521.4	521.4	521.4	521.4	521.2
147.5°	535.6	535.5	535.4	535.3	535.2	535.3	535.4	535.5	535.6	535.6	535.3
150°	548.5	548.5	548.5	548.5	548.5	548.6	548.7	548.8	548.9	549.0	548.8
152.5°	560.4	560.2	559.9	559.7	559.5	559.7	559.9	560.2	560.4	560.5	560.3
155°	570.9	570.5	570.0	569.6	569.2	569.5	569.8	570.1	570.4	570.6	570.5
157.5°	580.0	579.5	579.0	578.5	578.0	578.4	578.8	579.2	579.6	579.8	579.8
160°	588.7	588.1	587.4	586.8	586.2	586.3	586.4	586.5	586.6	586.7	586.9
162.5°	595.6	595.0	594.3	593.7	593.1	593.2	593.3	593.4	593.5	593.6	593.8
165°	602.4	601.6	600.7	599.9	599.1	599.1	599.1	599.1	599.1	599.1	599.4
167.5°	607.4	606.5	605.6	604.6	603.7	603.8	603.9	604.0	604.1	604.2	604.5
170°	611.6	610.8	609.9	609.1	608.3	608.2	608.1	608.0	607.9	607.9	608.2
172.5°	614.4	613.6	612.7	611.9	611.1	611.0	610.9	610.8	610.7	610.6	610.9
175°	616.6	615.7	614.8	613.8	612.9	612.8	612.7	612.6	612.5	612.5	612.8
177.5°	617.6	616.8	615.9	615.1	614.3	614.1	613.9	613.7	613.5	613.4	613.8
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1939.9	1939.9	1939.9	1939.9
2.5°	1886.9	1902.9	1917.4	1939.9
5°	1845.1	1867.6	1898.1	1931.9
7.5°	1796.9	1832.2	1872.4	1919.0
10°	1751.9	1792.0	1843.5	1899.7
12.5°	1705.2	1753.5	1809.7	1870.8
15°	1652.2	1700.4	1763.1	1845.1
17.5°	1604.0	1661.8	1729.4	1816.1
20°	1547.7	1602.4	1676.3	1776.0
22.5°	1497.9	1560.6	1642.6	1729.4
25°	1443.3	1497.9	1579.9	1684.3
27.5°	1388.6	1456.1	1534.9	1636.1
30°	1335.6	1391.8	1477.0	1583.1
32.5°	1277.7	1345.2	1424.0	1523.6
35°	1215.0	1279.3	1353.3	1460.9
37.5°	1158.8	1221.5	1297.0	1391.8
40°	1096.1	1162.0	1231.1	1325.9
42.5°	1035.0	1094.5	1163.6	1250.4
45°	975.6	1027.0	1089.7	1165.2
47.5°	914.5	957.9	1015.8	1083.3
50°	848.6	895.2	938.6	994.9
52.5°	787.5	827.7	863.1	909.7
55°	728.1	755.4	784.3	819.7
57.5°	665.4	686.3	707.2	744.1
60°	602.7	622.0	633.2	657.3
62.5°	541.6	549.7	564.1	578.6
65°	474.1	485.4	493.4	511.1
67.5°	413.1	417.9	425.9	437.2
70°	348.8	360.0	363.2	371.3
72.5°	294.1	298.9	302.2	303.8
75°	233.0	237.9	241.1	250.7
77.5°	183.2	181.6	188.0	189.7
80°	135.0	130.2	131.8	138.2
82.5°	88.4	90.0	88.4	88.4
85°	54.6	53.0	49.8	51.4
87.5°	24.1	24.1	22.5	22.5
90°	4.7	3.6	2.5	1.4
92.5°	6.3	6.5	6.7	6.9
95°	14.9	18.4	21.8	25.3
97.5°	55.0	52.8	50.5	48.3
100°	81.0	79.1	77.3	75.5
102.5°	109.5	108.3	107.0	105.8
105°	140.4	139.7	139.1	138.5
107.5°	169.3	169.0	168.7	168.4
110°	199.7	199.4	199.1	198.8

TEST NUMBER: P1032587

CATALOG NUMBER: S124DIW-B1195D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	230.1	229.4	228.8	228.2
115°	259.5	259.2	258.9	258.6
117.5°	287.0	286.6	286.2	285.8
120°	314.6	314.2	313.8	313.4
122.5°	339.8	339.5	339.3	339.1
125°	364.8	364.3	363.9	363.5
127.5°	387.3	387.2	387.1	387.0
130°	409.8	409.7	409.6	409.5
132.5°	430.9	430.6	430.4	430.2
135°	450.7	450.8	450.9	451.0
137.5°	469.4	469.4	469.4	469.4
140°	487.9	487.7	487.5	487.3
142.5°	504.7	504.2	503.8	503.4
145°	520.9	520.6	520.3	520.0
147.5°	534.7	534.1	533.5	532.9
150°	548.4	547.9	547.5	547.1
152.5°	560.0	559.7	559.4	559.1
155°	570.4	570.3	570.2	570.1
157.5°	579.8	579.8	579.8	579.8
160°	587.2	587.5	587.8	588.1
162.5°	594.2	594.6	595.0	595.4
165°	599.9	600.4	600.9	601.4
167.5°	605.0	605.5	606.0	606.5
170°	608.8	609.4	610.0	610.6
172.5°	611.5	612.2	612.8	613.4
175°	613.4	614.0	614.6	615.2
177.5°	614.5	615.2	615.9	616.6
180°	615.2	615.2	615.2	615.2

(END OF REPORT)