

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P563517

Luminaire Tested: **2NWS23C3-NUV-HI-4000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032a-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2NWS23C3-NUV-HI-4000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

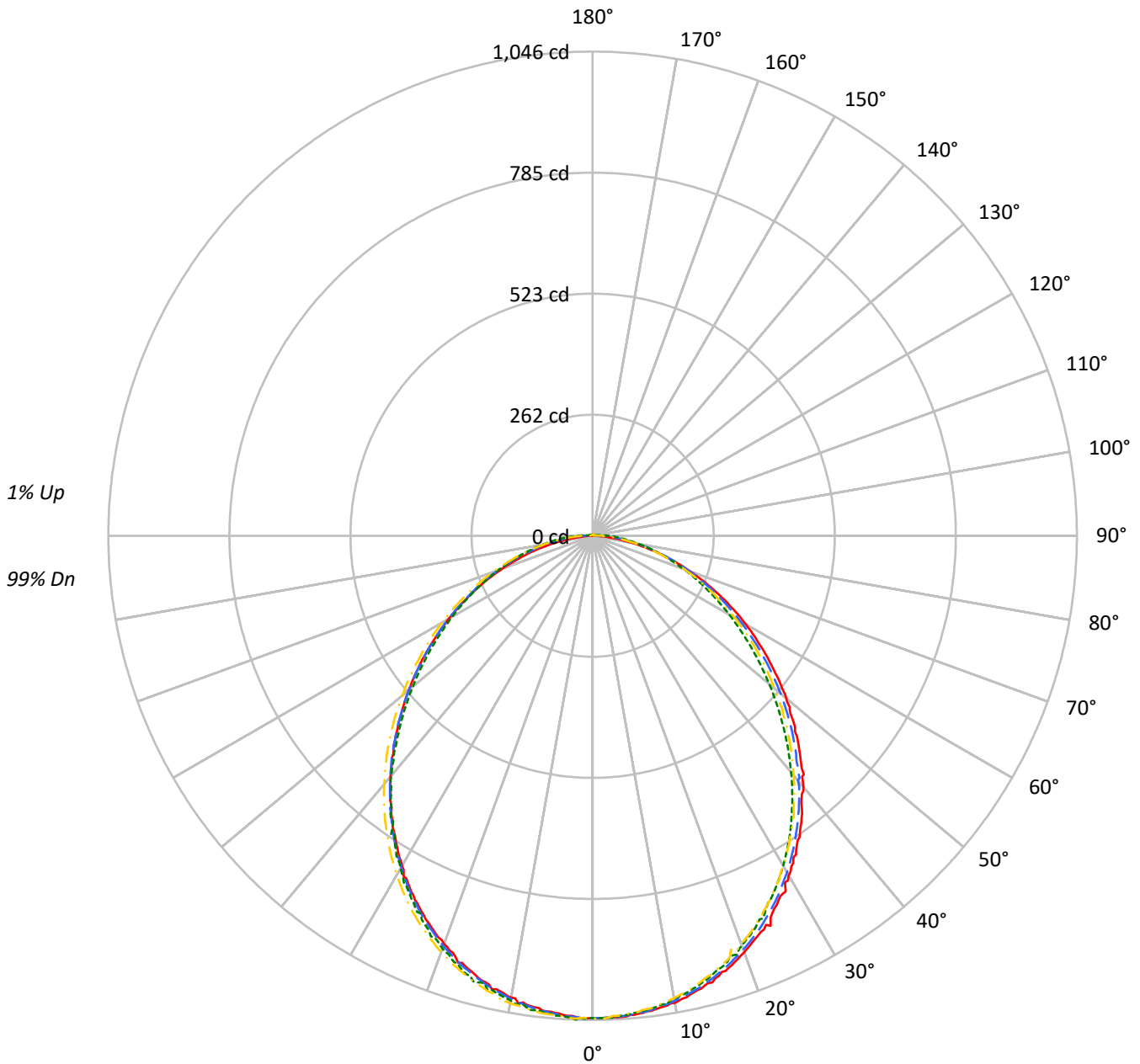
Lumens per Lamp: N/A
Luminaire Lumens: 2649.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 20.6
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86				84																
2	99	91	85	79	97	89	83	78	86	80	76	82	78	74	79	76	72				70																
3	91	80	73	66	88	79	71	66	76	69	64	73	68	63	70	66	62				60																
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54				51																
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47				45																
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41				39																
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37				35																
8	62	48	40	34	60	48	40	34	46	39	34	45	38	33	44	38	33				31																
9	58	44	36	31	56	44	36	31	43	35	31	41	35	30	40	34	30				28																
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	37	32	27				26																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12669	12669	12669	12669
5°	12632	12425	12549	12436
10°	12559	12132	12417	12184
15°	12436	11806	12222	11941
20°	12208	11412	11962	11495
25°	11973	10949	11655	11067
30°	11617	10430	11285	10517
35°	11263	9818	10848	9849
40°	10868	9148	10418	9261
45°	10348	8426	9871	8549
50°	9836	7692	9337	7838
55°	9262	6965	8764	7132
60°	8647	6255	8161	6431
65°	7959	5568	7433	5769
70°	7153	4880	6608	5096
75°	6113	4173	5621	4433
80°	4743	3430	4199	3729
85°	2914	2792	2365	3005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.7
10°-20°	278.6	10.5
20°-30°	411.9	15.6
30°-40°	476.1	18.0
40°-50°	465.3	17.6
50°-60°	393.4	14.9
60°-70°	284.5	10.7
70°-80°	162.2	6.1
80°-90°	56.8	2.1
90°-100°	9.3	0.4
100°-110°	2.9	0.1
110°-120°	2.3	0.1
120°-130°	1.9	0.1
130°-140°	1.7	0.1
140°-150°	1.7	0.1
150°-160°	1.2	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	788.9	29.8
0°-40°	1265.0	47.8
0°-60°	2123.8	80.2
0°-90°	2627.3	99.2
90°-120°	14.4	0.5
90°-150°	19.7	0.7
90°-180°	22.0	0.8
0°-180°	2649.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1042	1042	1042	1042	1042	
5°	1039	1035	1032	1036	1039	99
15°	999	985	982	996	999	281
25°	910	888	886	897	910	418
35°	781	748	752	751	781	487
45°	627	582	598	590	627	483
55°	463	417	438	427	463	414
65°	301	271	281	281	301	298
75°	150	151	138	160	150	160
85°	31	63	25	68	31	36
90°	2	34	0	35	2	2
95°	0	16	0	15	0	0
105°	1	4	1	6	1	1
115°	2	2	2	5	2	2
125°	2	2	2	3	2	2
135°	2	2	2	2	2	2
145°	2	3	2	2	2	1
155°	2	3	2	3	2	1
165°	2	2	2	3	2	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1
0.5°	1042.1	1045.9	1034.6	1055.5	1042.0	1041.8	1042.3	1044.6	1041.0	1042.8	1041.1
1°	1042.8	1044.4	1033.8	1050.3	1041.7	1042.0	1041.9	1045.8	1042.9	1042.0	1040.4
1.5°	1041.5	1043.7	1033.1	1057.4	1041.2	1041.9	1041.4	1046.2	1043.7	1042.3	1040.0
2°	1041.8	1041.3	1032.7	1054.0	1041.5	1040.7	1042.3	1043.0	1041.5	1041.3	1041.9
2.5°	1041.1	1039.6	1032.8	1049.5	1043.3	1040.6	1040.7	1040.8	1041.1	1042.8	1038.8
3°	1042.3	1041.4	1032.8	1050.1	1040.7	1040.8	1040.6	1045.9	1039.2	1039.1	1038.4
3.5°	1041.4	1038.5	1031.5	1049.0	1040.4	1039.2	1039.5	1043.7	1040.1	1038.7	1037.3
4°	1040.6	1045.3	1036.8	1053.8	1039.6	1039.0	1038.5	1039.2	1038.3	1038.2	1037.2
4.5°	1038.9	1040.6	1031.1	1050.0	1039.1	1037.6	1037.0	1039.8	1037.7	1036.4	1036.9
5°	1038.9	1042.0	1029.4	1046.2	1038.2	1036.5	1037.2	1037.3	1036.2	1034.9	1033.4
5.5°	1037.5	1036.9	1030.2	1048.0	1035.9	1034.7	1035.3	1037.6	1035.6	1034.1	1032.0
6°	1036.5	1040.5	1027.6	1042.5	1034.8	1034.5	1034.6	1031.6	1033.9	1032.2	1031.6
6.5°	1034.1	1030.0	1026.3	1044.0	1034.6	1033.2	1032.8	1035.3	1033.6	1031.3	1028.4
7°	1034.3	1037.4	1024.7	1043.2	1032.9	1031.1	1031.2	1042.7	1032.4	1029.2	1028.6
7.5°	1032.2	1031.6	1027.7	1042.7	1031.1	1029.7	1029.5	1025.8	1029.9	1027.7	1026.0
8°	1030.3	1030.8	1022.1	1041.3	1028.5	1027.6	1027.3	1029.9	1026.6	1025.8	1022.4
8.5°	1028.7	1030.3	1019.3	1039.0	1027.4	1025.9	1024.7	1024.7	1026.5	1023.3	1021.4
9°	1027.6	1033.5	1019.4	1035.3	1025.1	1024.3	1023.5	1024.7	1022.7	1024.6	1018.3
9.5°	1024.0	1025.2	1016.0	1030.9	1023.2	1022.5	1021.6	1023.1	1019.9	1017.1	1017.6
10°	1024.8	1024.0	1014.3	1033.2	1020.6	1020.0	1019.4	1018.4	1020.6	1015.3	1015.7
10.5°	1021.6	1020.6	1012.1	1028.8	1018.2	1017.8	1016.6	1014.8	1014.6	1013.3	1013.1
11°	1018.5	1017.0	1011.8	1027.8	1017.6	1014.6	1014.3	1015.3	1014.1	1011.5	1010.3
11.5°	1017.7	1015.6	1007.7	1021.7	1013.7	1011.8	1011.4	1011.3	1010.2	1008.3	1007.5
12°	1013.5	1013.5	1006.0	1020.0	1011.3	1009.8	1009.1	1008.2	1004.6	1005.7	1003.6
12.5°	1010.5	1009.7	1001.7	1018.7	1008.0	1006.7	1005.5	1007.8	1004.0	1002.1	1000.3
13°	1007.2	1009.8	1006.5	1013.5	1005.4	1004.0	1003.1	1001.3	1001.0	999.8	997.4
13.5°	1006.0	1004.9	997.0	1020.3	1003.2	1000.6	999.7	998.6	998.4	996.3	994.1
14°	1001.1	1002.9	995.0	1011.4	998.6	997.3	996.3	997.2	995.5	992.4	990.4
14.5°	997.7	1000.1	953.9	1008.8	995.3	994.1	992.8	1000.3	990.3	989.5	986.3
15°	999.1	995.2	984.4	998.3	992.9	990.6	989.6	990.6	988.8	985.2	983.1
15.5°	991.6	985.4	984.4	1004.6	988.8	987.1	985.5	983.7	986.9	980.4	980.1
16°	989.5	990.5	980.4	990.4	984.3	983.5	982.2	981.6	979.1	975.9	976.3
16.5°	983.1	986.1	975.7	995.3	981.8	979.9	977.6	976.8	975.4	973.9	972.2
17°	983.0	980.9	998.0	990.0	978.0	976.0	974.7	973.6	970.7	970.7	967.2
17.5°	978.0	977.5	968.7	987.5	973.6	971.9	970.0	972.0	972.2	965.9	963.1
18°	974.7	974.1	963.0	982.4	969.3	968.4	966.6	966.4	963.6	958.5	959.0
18.5°	970.3	971.3	961.8	977.5	964.6	963.2	962.4	962.3	959.1	955.5	954.7
19°	965.7	966.8	959.7	973.2	961.6	959.2	958.2	958.6	954.7	957.1	949.8
19.5°	961.2	964.0	956.1	969.4	958.3	954.8	953.1	951.8	950.5	946.9	945.6
20°	957.9	954.8	950.5	965.2	953.0	950.0	948.8	946.0	945.4	942.3	940.7
20.5°	952.6	951.2	944.8	960.2	948.1	945.6	943.9	945.2	941.9	937.3	936.7
21°	948.5	947.6	939.2	954.8	943.5	941.0	939.7	938.7	936.4	932.0	930.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	934.3	938.4	925.1	939.1	928.9	926.0	925.2	925.7	920.5	917.3	915.0
23°	929.7	926.9	921.7	938.8	923.5	921.0	919.6	915.6	913.9	910.6	908.7
23.5°	928.1	927.4	914.4	933.4	918.4	916.2	915.8	914.9	909.0	903.8	903.5
24°	920.2	917.8	912.4	926.5	913.0	910.1	915.1	906.0	903.2	904.6	898.1
24.5°	926.5	913.3	903.6	916.3	907.4	904.7	902.7	901.2	897.3	896.6	891.6
25°	909.9	907.2	902.1	915.5	901.9	899.4	896.2	892.4	890.9	887.6	886.9
25.5°	901.9	901.1	892.5	913.2	896.6	893.2	890.2	891.9	885.8	879.0	880.8
26°	895.8	894.8	888.0	901.7	890.5	887.4	885.4	888.1	879.4	875.8	874.8
26.5°	891.2	890.8	880.9	896.2	885.4	881.3	879.8	875.3	872.7	869.8	866.2
27°	884.2	884.1	871.7	888.8	879.1	875.9	872.5	870.0	867.3	863.2	861.8
27.5°	878.2	877.4	868.2	884.0	873.1	869.8	866.1	864.8	862.6	857.1	855.0
28°	875.4	872.6	862.2	877.7	866.5	863.8	860.5	859.2	853.2	850.5	848.2
28.5°	874.6	869.0	860.2	872.8	860.1	856.8	854.3	853.0	846.7	844.0	841.9
29°	856.7	859.3	851.5	864.4	853.9	850.4	848.3	843.6	840.9	836.8	834.7
29.5°	856.1	855.7	845.3	859.5	848.0	844.1	839.4	837.3	833.5	830.2	827.9
30°	847.4	843.9	836.2	854.9	841.5	837.9	833.4	835.4	827.1	823.4	821.3
30.5°	842.4	850.3	832.8	847.0	835.0	831.4	827.2	823.8	820.6	816.1	814.0
31°	833.5	835.8	824.8	838.6	828.2	824.5	820.5	816.4	812.9	808.8	807.4
31.5°	829.4	827.2	827.4	834.2	821.1	817.2	813.4	811.1	805.4	801.4	799.5
32°	819.0	821.2	813.3	832.3	814.4	810.5	805.9	802.4	798.2	794.3	791.6
32.5°	817.3	814.8	802.1	816.6	807.7	803.4	799.1	795.6	790.3	786.5	785.7
33°	807.8	808.4	800.6	812.1	800.9	796.7	791.8	787.8	782.4	779.4	777.3
33.5°	800.0	800.8	792.4	807.0	793.7	789.5	784.7	778.4	775.7	772.0	770.0
34°	792.6	791.8	786.9	808.0	786.4	782.0	776.7	776.0	768.0	764.7	761.0
34.5°	789.4	786.7	780.0	791.8	779.2	774.3	769.2	765.0	759.0	756.4	754.1
35°	781.0	779.3	771.1	785.6	772.4	767.7	761.8	757.5	753.2	748.4	746.0
35.5°	773.0	772.9	764.3	776.9	764.6	760.0	754.2	749.8	743.9	740.6	738.4
36°	766.6	764.9	757.2	768.2	757.6	752.9	746.2	741.0	735.8	732.6	731.3
36.5°	758.9	757.4	750.2	761.8	749.8	744.6	738.0	738.8	730.4	724.6	723.1
37°	751.9	749.7	743.3	755.5	743.1	737.3	731.4	724.4	722.1	716.8	714.6
37.5°	742.1	743.5	735.3	744.7	734.5	729.4	723.0	719.0	712.7	708.1	707.5
38°	732.1	735.4	728.0	738.4	726.9	722.4	715.0	709.4	705.1	699.9	698.5
38.5°	725.5	727.3	721.5	731.9	720.0	714.0	707.7	701.2	696.1	692.0	690.9
39°	718.0	719.8	713.0	725.6	712.3	705.9	697.7	696.2	687.4	683.7	681.6
39.5°	714.9	712.3	705.5	716.8	704.3	698.2	693.0	685.4	680.3	675.4	674.0
40°	708.7	704.9	697.9	700.1	688.1	690.5	684.4	675.9	671.5	667.1	665.4
40.5°	699.2	697.1	690.6	699.5	695.1	682.0	675.3	669.2	662.4	658.4	657.1
41°	689.6	689.4	682.2	692.5	678.3	674.2	666.6	664.1	656.6	650.0	648.6
41.5°	688.6	680.9	674.5	684.7	672.7	666.1	659.2	652.1	647.2	641.5	640.6
42°	674.7	672.9	666.6	676.7	660.3	657.8	650.3	645.8	637.9	633.0	631.3
42.5°	666.1	665.9	658.5	667.7	651.8	650.0	642.2	636.5	629.0	624.9	623.5
43°	658.6	657.9	651.0	663.9	647.9	642.0	633.9	627.5	620.6	616.3	614.9
43.5°	650.5	650.1	643.7	651.2	639.9	633.3	625.6	619.4	612.4	607.4	606.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	626.9	626.2	618.9	627.1	615.4	609.1	600.5	592.7	586.1	582.0	581.4
45.5°	619.1	618.0	611.0	619.0	607.4	600.9	592.3	583.3	578.2	573.5	572.9
46°	607.4	609.5	602.8	610.9	599.3	592.4	584.4	576.9	569.2	564.9	563.9
46.5°	602.8	601.1	594.5	602.9	590.9	583.8	575.5	568.5	560.9	556.5	555.4
47°	595.1	593.2	587.7	595.0	582.8	575.9	566.7	560.9	552.6	548.6	548.1
47.5°	585.4	584.7	577.0	586.1	574.5	567.2	558.4	552.0	543.7	539.6	538.6
48°	575.2	575.5	571.0	578.3	566.9	558.7	550.5	543.3	536.1	531.2	530.5
48.5°	568.4	569.5	562.2	570.0	558.0	550.4	541.9	535.2	526.4	522.4	521.6
49°	564.0	561.0	555.2	561.1	550.1	542.3	533.1	525.8	518.7	514.6	514.2
49.5°	551.9	550.7	546.2	552.4	541.5	534.2	525.9	516.6	510.1	506.0	504.3
50°	545.8	546.3	538.5	545.2	533.4	526.1	516.8	509.1	501.7	497.6	497.3
50.5°	538.9	534.9	529.2	536.4	525.1	516.9	508.4	501.6	493.3	489.3	487.5
51°	528.4	528.0	521.8	528.0	517.2	509.2	499.9	491.7	485.5	481.1	480.8
51.5°	520.0	518.4	513.5	519.4	508.6	500.6	491.7	484.6	476.8	472.7	471.9
52°	512.0	510.1	506.0	510.6	500.3	492.5	483.7	471.9	468.8	464.6	464.0
52.5°	504.1	503.3	497.9	502.9	492.4	484.5	475.4	467.4	460.7	456.5	455.2
53°	494.8	494.7	488.2	494.8	483.6	476.1	467.1	459.6	452.5	448.5	447.2
53.5°	487.1	487.0	478.7	487.2	475.9	468.0	459.1	451.3	444.3	440.5	439.5
54°	479.1	478.4	473.6	478.6	467.9	459.7	450.4	443.7	436.5	432.2	431.1
54.5°	470.3	469.4	464.6	470.1	459.0	451.8	442.6	438.9	428.7	424.5	424.2
55°	462.9	461.6	456.0	462.5	451.0	443.3	434.6	426.6	420.4	416.6	415.4
55.5°	454.5	454.0	450.4	452.0	443.1	435.6	426.3	419.0	412.7	408.6	408.2
56°	446.0	445.5	440.7	444.9	435.1	427.4	419.6	411.4	404.9	400.9	400.5
56.5°	437.9	436.5	435.7	436.6	426.7	419.4	411.0	402.9	397.1	393.1	392.8
57°	428.7	428.4	425.1	429.1	418.6	411.4	402.5	395.2	389.7	385.8	386.4
57.5°	421.2	419.8	416.5	422.7	410.8	403.4	395.3	387.3	381.5	377.9	376.5
58°	414.2	413.0	408.0	412.2	402.8	396.0	387.1	381.6	373.9	370.3	370.4
58.5°	405.1	403.8	399.6	404.2	394.7	387.7	379.2	372.1	366.8	363.1	362.6
59°	398.5	395.5	391.8	395.9	387.0	380.3	372.0	365.0	359.2	355.8	355.1
59.5°	388.8	388.8	383.7	388.4	379.1	372.0	364.4	357.3	351.8	348.1	347.9
60°	381.2	381.0	375.7	379.8	370.8	364.3	356.8	350.5	343.5	340.8	340.5
60.5°	372.8	372.6	367.8	372.0	363.2	356.7	348.8	342.8	336.8	333.9	333.2
61°	365.7	364.6	359.6	364.1	355.5	348.9	341.6	335.8	330.1	326.3	325.6
61.5°	357.8	356.0	351.5	356.4	347.8	341.4	333.8	328.3	322.8	319.3	319.2
62°	348.8	347.5	344.8	347.7	339.8	333.9	326.7	320.3	315.1	312.4	312.5
62.5°	341.2	340.5	335.9	339.7	332.4	326.2	319.4	313.3	309.1	305.5	304.2
63°	333.1	331.8	331.1	332.1	324.4	319.0	311.8	310.7	300.7	298.5	298.2
63.5°	325.3	324.0	322.0	324.1	317.1	311.4	305.1	299.6	294.6	291.6	291.3
64°	316.9	315.2	312.6	316.3	308.4	304.1	297.7	292.7	287.7	284.7	284.2
64.5°	309.3	308.2	305.3	308.7	302.0	296.9	290.8	284.7	280.9	278.3	278.0
65°	301.3	300.6	297.6	301.7	289.8	289.6	283.4	278.6	274.0	271.4	270.9
65.5°	293.5	292.5	289.5	293.2	286.5	282.5	276.3	272.0	267.5	264.8	264.3
66°	285.9	285.2	281.5	285.5	279.6	275.1	269.4	265.2	260.3	258.2	257.3



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	262.2	262.2	259.7	262.4	257.7	253.7	248.6	245.1	240.8	238.9	238.1
68°	254.9	253.9	252.3	255.1	250.2	246.9	242.1	238.8	234.7	232.4	232.2
68.5°	246.3	245.6	244.5	247.3	243.1	239.8	235.6	232.2	228.7	226.4	225.4
69°	238.8	238.5	237.0	240.1	236.0	233.0	229.8	225.8	222.0	220.3	219.7
69.5°	231.4	231.1	228.2	234.5	229.0	226.1	222.4	219.2	215.9	213.9	213.1
70°	224.2	223.5	220.4	225.3	221.7	219.4	216.1	213.1	210.6	208.0	207.2
70.5°	216.1	216.1	214.2	218.2	214.8	212.6	209.6	206.7	203.9	201.9	201.2
71°	208.4	208.2	206.9	210.6	208.0	206.0	203.3	200.7	197.9	196.2	195.1
71.5°	201.1	201.7	199.5	203.9	201.2	199.3	197.0	194.7	191.9	190.3	190.0
72°	193.8	193.9	193.1	197.1	194.3	193.1	190.7	188.4	186.2	184.5	184.6
72.5°	186.7	186.6	185.6	189.5	187.5	186.5	184.4	182.7	179.9	178.7	178.5
73°	179.3	179.2	178.3	182.6	181.0	180.1	178.6	176.7	174.6	172.8	172.1
73.5°	171.9	171.3	171.2	175.7	174.4	173.9	172.2	170.8	168.8	167.5	166.7
74°	164.7	164.8	164.0	168.5	167.8	167.5	166.5	165.3	163.3	161.8	161.0
74.5°	157.5	157.3	157.1	161.7	161.3	161.5	160.5	159.1	157.7	156.4	155.4
75°	150.3	150.4	150.4	154.9	155.0	155.4	154.5	153.7	152.4	151.0	150.2
75.5°	143.2	143.2	144.3	150.4	148.7	149.2	148.7	148.0	146.9	145.4	144.7
76°	136.4	136.9	136.4	141.8	142.3	143.4	142.7	142.9	141.5	140.9	139.4
76.5°	129.1	129.8	130.3	135.5	136.1	137.3	137.6	137.2	136.3	135.3	134.2
77°	122.4	122.8	123.6	128.1	130.1	131.6	131.8	131.9	131.0	130.0	129.1
77.5°	116.4	116.0	117.7	122.5	124.2	125.6	125.9	126.2	125.9	124.9	124.0
78°	109.2	110.0	110.8	116.3	118.3	120.1	121.5	121.5	120.7	120.0	119.1
78.5°	102.4	103.0	104.7	110.3	112.4	114.7	115.8	116.4	116.0	115.2	114.3
79°	96.6	96.4	98.6	103.9	106.7	109.2	110.4	111.2	111.0	110.6	109.6
79.5°	90.0	89.9	92.0	98.3	101.0	103.7	105.3	106.3	106.2	105.6	104.7
80°	83.7	84.1	86.4	92.6	95.5	98.7	100.3	101.7	101.8	101.1	100.3
80.5°	77.6	78.2	80.8	86.7	90.2	93.3	95.4	97.0	97.2	96.8	95.7
81°	71.6	72.1	75.0	81.1	84.9	88.4	91.6	92.3	93.0	92.4	91.5
81.5°	66.2	66.9	69.8	75.8	79.6	83.4	86.5	88.0	88.4	88.2	87.4
82°	60.9	61.6	64.8	70.4	74.6	78.8	81.9	83.7	84.3	84.1	83.2
82.5°	55.6	56.4	59.8	65.6	69.4	74.1	77.4	79.7	80.3	80.1	78.8
83°	50.3	51.2	54.8	60.9	65.1	69.2	73.0	75.3	76.2	76.2	75.3
83.5°	45.0	45.9	49.8	56.2	60.9	65.4	69.1	71.4	72.4	72.4	71.6
84°	40.1	41.4	44.8	51.5	56.8	61.6	65.5	67.9	69.1	69.7	68.3
84.5°	35.2	36.3	40.2	46.8	52.6	57.8	61.9	64.5	65.7	66.3	65.0
85°	30.8	31.8	35.7	42.5	48.4	54.0	58.3	61.1	62.3	62.9	61.7
85.5°	26.4	27.6	31.5	38.4	44.6	50.3	54.7	57.7	59.0	59.4	58.4
86°	22.4	23.5	27.6	34.6	41.0	46.7	51.2	54.2	55.6	56.0	55.1
86.5°	18.6	19.6	23.9	31.0	37.4	43.3	47.8	51.0	52.5	52.8	51.9
87°	15.0	16.1	20.5	27.6	34.1	40.1	44.6	47.8	49.4	49.8	48.9
87.5°	11.7	12.8	17.4	24.4	31.0	37.0	41.7	44.8	46.6	46.9	45.9
88°	8.5	9.9	14.6	21.5	28.1	34.0	38.7	42.0	43.5	44.1	43.3
88.5°	6.8	7.3	12.1	18.9	25.3	31.2	35.9	39.3	41.0	41.5	40.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.9	3.0	6.9	12.2	18.2	23.8	28.3	31.7	33.5	34.0	33.2
90.5°	0.3	1.6	5.8	10.5	16.2	21.6	26.2	29.4	31.3	31.8	31.0
91°	0.2	1.0	4.7	9.0	14.4	19.7	24.0	27.3	29.1	29.6	28.9
91.5°	0.2	0.7	3.6	7.6	12.6	17.7	22.0	25.2	27.0	27.5	26.7
92°	0.2	0.5	2.5	6.6	11.1	16.0	20.1	23.2	25.0	25.6	25.0
92.5°	0.2	0.4	1.9	5.6	9.7	14.3	18.3	21.4	23.1	23.7	23.1
93°	0.1	0.4	1.5	4.7	8.5	12.8	16.7	19.7	21.4	21.9	21.2
93.5°	0.1	0.3	1.3	3.7	7.4	11.5	15.2	18.1	19.7	20.3	19.7
94°	0.1	0.3	1.0	3.2	6.6	10.3	13.8	16.6	18.2	18.8	18.1
94.5°	0.1	0.3	0.9	2.7	5.8	9.2	12.5	15.1	16.8	17.3	16.8
95°	0.2	0.3	0.8	2.3	5.1	8.1	11.3	14.0	15.4	15.9	15.4
95.5°	0.2	0.3	0.7	2.0	4.3	7.2	10.2	12.7	14.1	14.6	14.1
96°	0.2	0.3	0.7	1.8	3.8	6.6	9.2	11.5	12.9	13.4	12.8
96.5°	0.2	0.3	0.6	1.7	3.3	5.9	8.3	10.5	11.8	12.3	11.9
97°	0.3	0.3	0.6	1.5	3.0	5.3	7.5	9.5	10.9	11.3	10.9
97.5°	0.3	0.3	0.5	1.4	2.7	4.6	6.9	8.7	9.9	10.4	10.0
98°	0.3	0.4	0.5	1.3	2.5	4.2	6.3	7.9	9.1	9.5	9.2
98.5°	0.4	0.4	0.5	1.2	2.3	3.8	5.7	7.3	8.3	8.7	8.3
99°	0.4	0.5	0.5	1.1	2.2	3.6	5.1	6.8	7.7	8.0	7.7
99.5°	0.4	0.5	0.5	1.0	2.0	3.3	4.8	6.3	7.1	7.3	7.1
100°	0.5	0.6	0.6	0.9	1.9	3.2	4.4	5.8	6.6	6.9	6.6
100.5°	0.5	0.6	0.6	0.9	1.8	3.0	4.2	5.3	6.1	6.4	6.1
101°	0.6	0.7	0.6	0.9	1.7	2.8	3.9	5.0	5.6	5.9	5.6
101.5°	0.6	0.7	0.7	0.9	1.6	2.6	3.7	4.8	5.3	5.4	5.3
102°	0.7	0.7	0.7	0.9	1.5	2.5	3.5	4.5	5.0	5.1	5.0
102.5°	0.7	0.8	0.8	0.9	1.4	2.3	3.4	4.3	4.7	4.9	4.8
103°	0.8	0.8	0.7	0.9	1.4	2.2	3.2	4.1	4.5	4.7	4.6
103.5°	0.8	0.9	0.7	0.9	1.3	2.1	3.0	3.8	4.3	4.5	4.4
104°	0.9	0.9	0.8	0.9	1.2	2.0	2.8	3.6	4.1	4.3	4.2
104.5°	0.9	1.0	0.8	1.0	1.2	1.9	2.7	3.5	3.9	4.1	4.0
105°	0.9	1.2	0.8	1.0	1.2	1.8	2.5	3.3	3.7	3.9	3.8
105.5°	0.9	1.3	0.8	1.1	1.1	1.7	2.4	3.1	3.6	3.7	3.6
106°	1.0	1.4	0.9	1.1	1.2	1.6	2.3	2.9	3.4	3.6	3.4
106.5°	1.0	1.4	0.9	1.1	1.2	1.6	2.2	2.8	3.2	3.4	3.3
107°	1.1	1.3	0.9	1.2	1.2	1.5	2.1	2.7	3.1	3.2	3.1
107.5°	1.1	1.2	1.0	1.2	1.2	1.5	2.0	2.5	2.9	3.0	2.9
108°	1.2	1.3	1.1	1.2	1.2	1.4	1.9	2.4	2.8	2.9	2.8
108.5°	1.3	1.3	1.1	1.1	1.2	1.4	1.8	2.3	2.6	2.8	2.7
109°	1.4	1.4	1.2	1.1	1.3	1.4	1.8	2.2	2.5	2.6	2.6
109.5°	1.4	1.5	1.2	1.1	1.3	1.4	1.7	2.1	2.4	2.5	2.4
110°	1.5	1.5	1.3	1.1	1.4	1.4	1.7	2.0	2.3	2.4	2.3
110.5°	1.5	1.5	1.3	1.1	1.4	1.4	1.6	1.9	2.2	2.3	2.2
111°	1.6	1.5	1.3	1.2	1.4	1.5	1.6	1.9	2.1	2.2	2.1



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.6	1.3	1.2	1.5	1.6	1.6	1.7	1.9	1.9	1.9
113°	1.7	1.6	1.3	1.3	1.4	1.7	1.6	1.7	1.8	1.9	1.8
113.5°	1.7	1.6	1.3	1.3	1.3	1.7	1.6	1.7	1.8	1.8	1.8
114°	1.7	1.5	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.8	1.7
114.5°	1.8	1.5	1.4	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7
115°	1.8	1.6	1.5	1.3	1.4	1.8	1.8	1.7	1.7	1.7	1.7
115.5°	1.8	1.8	1.5	1.3	1.4	1.8	1.8	1.7	1.7	1.7	1.7
116°	1.8	1.9	1.6	1.3	1.4	1.8	1.8	1.8	1.8	1.7	1.8
116.5°	1.8	1.9	1.7	1.3	1.5	1.6	1.8	1.8	1.8	1.8	1.8
117°	1.8	1.9	1.9	1.4	1.5	1.5	1.8	1.9	1.8	1.8	1.8
117.5°	1.7	1.9	2.0	1.4	1.5	1.5	1.9	1.9	1.9	1.8	1.9
118°	1.7	1.9	2.1	1.4	1.6	1.5	2.0	1.9	1.9	1.9	1.9
118.5°	1.7	1.9	2.1	1.5	1.6	1.5	2.0	1.9	2.0	2.0	2.0
119°	1.7	1.9	2.1	1.5	1.7	1.5	1.9	1.9	2.0	2.0	2.0
119.5°	1.7	1.9	2.0	1.6	1.7	1.6	1.7	2.0	2.0	2.0	2.0
120°	1.7	1.9	2.0	1.6	1.7	1.6	1.6	2.1	2.0	2.0	2.0
120.5°	1.7	1.9	1.9	1.7	1.7	1.6	1.6	2.1	2.0	2.0	2.0
121°	1.7	1.9	1.9	1.7	1.7	1.7	1.6	2.0	2.1	2.1	2.1
121.5°	1.8	1.9	2.0	1.8	1.8	1.7	1.6	1.8	2.1	2.1	2.1
122°	1.8	2.0	2.0	1.8	1.8	1.7	1.6	1.7	2.1	2.2	2.1
122.5°	1.8	2.0	2.1	1.9	1.8	1.8	1.6	1.6	1.9	2.1	1.9
123°	1.8	2.0	2.1	1.9	1.9	1.8	1.7	1.6	1.7	1.9	1.8
123.5°	1.8	2.0	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.7	1.6
124°	1.8	2.0	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.6	1.6
124.5°	1.8	2.0	2.3	2.1	2.0	1.9	1.8	1.6	1.6	1.6	1.6
125°	1.8	2.0	2.2	2.2	2.0	1.9	1.8	1.6	1.6	1.6	1.6
125.5°	1.9	2.0	2.2	2.3	2.0	1.9	1.8	1.7	1.6	1.6	1.6
126°	1.9	2.0	2.2	2.4	2.0	2.0	1.8	1.7	1.6	1.6	1.6
126.5°	1.9	2.1	2.2	2.5	2.1	2.0	1.9	1.8	1.7	1.6	1.7
127°	1.9	2.1	2.2	2.6	2.1	2.0	1.9	1.8	1.7	1.7	1.7
127.5°	1.9	2.1	2.1	2.6	2.1	2.0	1.9	1.8	1.7	1.7	1.7
128°	1.9	2.1	2.1	2.6	2.1	2.1	2.0	1.8	1.8	1.7	1.8
128.5°	1.9	2.1	2.1	2.6	2.2	2.1	2.0	1.9	1.8	1.8	1.8
129°	1.9	2.1	2.0	2.5	2.2	2.1	2.0	1.9	1.8	1.8	1.8
129.5°	1.9	2.1	1.9	2.5	2.3	2.1	2.0	1.9	1.9	1.8	1.9
130°	1.9	2.1	1.9	2.4	2.3	2.2	2.0	2.0	1.9	1.9	1.9
130.5°	2.0	2.0	1.9	2.4	2.4	2.2	2.1	2.0	1.9	1.9	1.9
131°	2.0	2.0	2.0	2.4	2.4	2.2	2.1	2.0	2.0	1.9	2.0
131.5°	2.0	2.1	2.0	2.3	2.5	2.3	2.1	2.0	2.0	1.9	2.0
132°	2.0	2.1	2.0	2.4	2.6	2.3	2.2	2.1	2.0	2.0	2.0
132.5°	2.0	2.1	2.0	2.4	2.8	2.3	2.2	2.1	2.1	2.0	2.1
133°	2.1	2.2	2.0	2.5	3.0	2.4	2.2	2.1	2.1	2.0	2.1
133.5°	2.1	2.2	2.1	2.5	3.1	2.4	2.2	2.2	2.1	2.1	2.1



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.1	2.2	2.2	2.5	3.3	2.5	2.3	2.2	2.2	2.1	2.2
135.5°	2.1	2.2	2.2	2.5	3.2	2.6	2.4	2.3	2.2	2.2	2.2
136°	2.1	2.2	2.2	2.5	3.1	2.6	2.4	2.3	2.2	2.2	2.2
136.5°	2.1	2.2	2.3	2.5	3.1	2.7	2.4	2.3	2.3	2.2	2.3
137°	2.1	2.2	2.3	2.5	3.0	2.9	2.5	2.4	2.3	2.2	2.3
137.5°	2.1	2.2	2.3	2.4	2.9	3.1	2.5	2.4	2.3	2.3	2.3
138°	2.1	2.2	2.3	2.4	2.9	3.3	2.5	2.4	2.4	2.3	2.4
138.5°	2.1	2.2	2.4	2.3	2.8	3.4	2.6	2.5	2.4	2.3	2.4
139°	2.2	2.2	2.4	2.3	2.9	3.6	2.6	2.5	2.4	2.4	2.4
139.5°	2.2	2.2	2.4	2.2	2.9	3.6	2.7	2.5	2.4	2.4	2.5
140°	2.2	2.2	2.5	2.2	2.9	3.5	2.8	2.6	2.5	2.4	2.5
140.5°	2.2	2.2	2.5	2.2	3.0	3.4	3.0	2.6	2.5	2.5	2.5
141°	2.2	2.2	2.5	2.2	3.0	3.3	3.2	2.7	2.5	2.5	2.6
141.5°	2.2	2.2	2.5	2.2	3.0	3.2	3.4	2.7	2.6	2.5	2.6
142°	2.3	2.2	2.5	2.2	2.9	3.1	3.5	2.8	2.6	2.6	2.6
142.5°	2.3	2.2	2.5	2.2	2.9	3.0	3.6	2.9	2.7	2.6	2.7
143°	2.3	2.3	2.5	2.2	2.8	3.0	3.7	3.1	2.7	2.7	2.7
143.5°	2.3	2.3	2.6	2.3	2.7	3.0	3.6	3.3	2.8	2.7	2.8
144°	2.3	2.3	2.6	2.3	2.7	3.0	3.5	3.5	3.0	2.8	3.0
144.5°	2.3	2.3	2.6	2.3	2.6	3.0	3.4	3.6	3.2	3.0	3.1
145°	2.3	2.3	2.6	2.4	2.5	3.0	3.2	3.7	3.4	3.2	3.4
145.5°	2.3	2.3	2.7	2.4	2.4	3.0	3.1	3.7	3.6	3.4	3.5
146°	2.3	2.3	2.7	2.4	2.4	3.1	3.0	3.6	3.7	3.6	3.7
146.5°	2.3	2.3	2.7	2.4	2.3	3.0	3.0	3.4	3.7	3.7	3.7
147°	2.3	2.2	2.7	2.5	2.3	3.0	3.0	3.3	3.6	3.7	3.7
147.5°	2.3	2.1	2.7	2.5	2.2	2.9	3.0	3.2	3.5	3.6	3.6
148°	2.3	2.1	2.7	2.5	2.2	2.8	3.1	3.1	3.4	3.5	3.4
148.5°	2.3	2.1	2.7	2.5	2.2	2.7	3.1	3.0	3.2	3.3	3.3
149°	2.2	2.1	2.6	2.5	2.2	2.6	3.1	3.0	3.1	3.2	3.2
149.5°	2.2	2.1	2.6	2.6	2.2	2.6	3.1	3.0	3.1	3.1	3.1
150°	2.2	2.2	2.6	2.6	2.2	2.5	3.0	3.1	3.0	3.0	3.0
150.5°	2.2	2.2	2.6	2.6	2.2	2.4	2.9	3.1	3.0	3.0	3.0
151°	2.2	2.1	2.6	2.6	2.3	2.3	2.8	3.1	3.1	3.0	3.0
151.5°	2.3	2.1	2.6	2.6	2.3	2.2	2.7	3.1	3.1	3.0	3.1
152°	2.2	2.1	2.6	2.6	2.3	2.2	2.7	3.0	3.1	3.1	3.1
152.5°	2.2	2.1	2.6	2.6	2.3	2.2	2.5	3.0	3.1	3.1	3.0
153°	2.2	2.1	2.6	2.7	2.4	2.2	2.4	2.9	3.0	3.1	3.0
153.5°	2.2	2.1	2.6	2.6	2.4	2.2	2.3	2.8	3.0	3.0	3.0
154°	2.2	2.1	2.6	2.7	2.4	2.2	2.2	2.6	2.9	2.9	2.9
154.5°	2.2	2.1	2.6	2.7	2.4	2.2	2.2	2.5	2.8	2.8	2.8
155°	2.2	2.1	2.6	2.7	2.5	2.2	2.2	2.4	2.6	2.7	2.7
155.5°	2.3	2.1	2.5	2.6	2.5	2.3	2.1	2.3	2.5	2.6	2.5
156°	2.3	2.1	2.5	2.6	2.5	2.3	2.1	2.2	2.4	2.5	2.4



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.2	2.1	2.5	2.7	2.6	2.4	2.2	2.1	2.1	2.2	2.1
158°	2.2	2.0	2.5	2.7	2.6	2.4	2.2	2.1	2.1	2.1	2.1
158.5°	2.2	2.0	2.4	2.7	2.6	2.4	2.3	2.1	2.1	2.1	2.1
159°	2.2	2.0	2.4	2.7	2.6	2.5	2.3	2.2	2.1	2.1	2.1
159.5°	2.2	2.0	2.4	2.6	2.6	2.5	2.3	2.2	2.1	2.1	2.1
160°	2.3	2.0	2.4	2.6	2.6	2.5	2.4	2.2	2.1	2.1	2.1
160.5°	2.3	2.0	2.4	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.2
161°	2.3	2.0	2.4	2.6	2.6	2.6	2.4	2.3	2.2	2.2	2.2
161.5°	2.2	2.0	2.4	2.6	2.6	2.6	2.5	2.4	2.2	2.2	2.2
162°	2.1	2.0	2.4	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.3
162.5°	2.0	2.0	2.4	2.6	2.6	2.6	2.5	2.4	2.3	2.3	2.3
163°	2.0	2.0	2.4	2.5	2.6	2.6	2.5	2.5	2.4	2.3	2.3
163.5°	2.0	2.0	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4
164°	1.9	1.9	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4
164.5°	1.9	1.9	2.3	2.5	2.6	2.6	2.6	2.5	2.5	2.4	2.5
165°	1.9	1.9	2.3	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.5
165.5°	1.9	1.9	2.3	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.5
166°	1.9	1.9	2.2	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
166.5°	1.9	1.9	2.1	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
167°	1.7	1.7	2.0	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
167.5°	1.6	1.5	2.0	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
168°	1.5	1.5	2.0	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6
168.5°	1.5	1.5	1.8	2.2	2.5	2.6	2.6	2.6	2.6	2.6	2.6
169°	1.5	1.5	1.6	2.2	2.3	2.6	2.6	2.6	2.6	2.6	2.6
169.5°	1.5	1.5	1.6	2.1	2.2	2.5	2.6	2.6	2.6	2.6	2.6
170°	1.5	1.5	1.5	1.7	2.2	2.5	2.5	2.6	2.6	2.6	2.6
170.5°	1.5	1.5	1.5	1.7	2.2	2.4	2.5	2.6	2.6	2.6	2.6
171°	1.5	1.5	1.5	1.6	2.2	2.3	2.5	2.5	2.5	2.5	2.5
171.5°	1.5	1.5	1.5	1.6	2.1	2.2	2.5	2.5	2.5	2.5	2.5
172°	1.5	1.5	1.5	1.6	2.1	2.2	2.4	2.5	2.5	2.5	2.5
172.5°	1.5	1.5	1.5	1.6	2.1	2.1	2.4	2.5	2.5	2.5	2.5
173°	1.5	1.5	1.5	1.6	1.9	2.1	2.4	2.5	2.5	2.5	2.5
173.5°	1.5	1.5	1.5	1.6	1.7	2.1	2.3	2.4	2.5	2.5	2.4
174°	1.5	1.5	1.5	1.6	1.6	2.1	2.2	2.4	2.4	2.5	2.2
174.5°	1.5	1.5	1.5	1.6	1.6	2.0	2.1	2.4	2.4	2.4	2.2
175°	1.5	1.5	1.5	1.6	1.6	1.7	2.1	2.3	2.4	2.4	2.2
175.5°	1.5	1.5	1.5	1.6	1.6	1.6	2.1	2.2	2.4	2.2	2.2
176°	1.6	1.5	1.5	1.6	1.6	1.6	1.9	2.1	2.4	2.1	2.1
176.5°	1.6	1.6	1.5	1.6	1.6	1.6	1.7	2.1	2.2	2.1	1.7
177°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.1	1.7
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9	2.0	1.6
178°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.7	1.6	1.6
178.5°	2.0	1.9	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1
0.5°	1038.5	1042.9	1045.2	1041.7	1042.8	1040.3	1042.7	1042.6	1045.3	1020.9	1053.4
1°	1040.7	1041.0	1043.4	1040.4	1041.6	1040.9	1041.4	1042.3	1040.6	1032.0	1052.0
1.5°	1039.8	1041.5	1045.2	1041.2	1040.8	1038.3	1042.5	1042.3	1035.9	1034.0	1055.6
2°	1043.1	1042.1	1042.5	1038.7	1040.4	1038.3	1041.6	1039.9	1038.6	1031.6	1049.1
2.5°	1039.7	1040.0	1038.3	1038.5	1039.5	1038.5	1039.8	1038.2	1039.1	1032.1	1049.1
3°	1037.9	1039.9	1040.4	1036.7	1038.7	1038.2	1034.5	1038.9	1040.0	1037.2	1049.0
3.5°	1036.2	1025.1	1037.4	1037.0	1036.8	1035.9	1037.1	1037.3	1035.4	1028.3	1047.6
4°	1035.0	1032.7	1037.2	1035.6	1036.8	1033.9	1037.2	1034.7	1036.8	1026.4	1046.6
4.5°	1035.5	1038.2	1036.5	1034.0	1035.5	1036.4	1034.7	1034.0	1035.0	1022.9	1051.9
5°	1033.4	1049.4	1036.6	1032.7	1033.2	1029.9	1035.3	1032.1	1032.5	1026.7	1046.8
5.5°	1032.7	1034.0	1035.7	1031.3	1031.5	1029.6	1034.9	1031.9	1034.6	1024.6	1043.0
6°	1031.5	1031.7	1030.5	1029.9	1031.3	1029.7	1030.6	1031.8	1031.0	1022.5	1040.8
6.5°	1029.2	1030.3	1030.5	1028.3	1028.4	1027.4	1028.9	1027.2	1028.8	1021.6	1040.7
7°	1027.4	1031.5	1029.4	1027.5	1026.7	1026.3	1033.5	1026.4	1027.9	1018.2	1039.3
7.5°	1025.3	1026.2	1027.0	1025.0	1025.2	1023.7	1037.2	1025.0	1025.6	1018.0	1035.8
8°	1023.3	1024.8	1024.0	1022.5	1022.9	1019.9	1021.6	1023.0	1022.9	1016.8	1034.7
8.5°	1021.4	1022.3	1021.4	1020.9	1020.2	1017.4	1021.9	1019.1	1020.9	1016.0	1031.0
9°	1019.5	1019.9	1019.7	1017.9	1017.9	1015.3	1019.4	1022.8	1018.6	1008.2	1026.8
9.5°	1016.9	1017.9	1017.6	1014.8	1016.1	1013.1	1017.2	1013.4	1016.8	1011.9	1031.7
10°	1012.6	1015.2	1014.9	1013.7	1013.5	1012.2	1013.1	1013.2	1024.2	1007.5	1033.6
10.5°	1011.7	1012.9	1012.1	1010.6	1010.6	1009.8	1011.0	1011.0	1011.9	1003.6	1021.4
11°	1008.3	1008.8	1009.0	1007.6	1008.0	1006.0	1008.3	1007.1	1006.0	1000.7	1015.9
11.5°	1005.6	1006.8	1006.8	1005.5	1004.9	1004.8	1001.7	1004.1	1003.4	997.0	1016.3
12°	1003.1	1003.8	1004.0	1001.4	1002.1	1000.7	1001.6	1001.5	1000.4	994.1	1014.2
12.5°	1000.1	1000.1	1000.4	997.9	998.7	998.4	997.9	1003.7	1001.6	994.4	1014.5
13°	996.3	997.0	996.8	996.1	994.8	995.9	996.1	995.2	995.8	979.5	1006.5
13.5°	992.9	993.3	993.9	991.5	992.5	991.0	993.2	991.7	992.0	989.2	1005.0
14°	989.2	990.5	989.6	987.5	988.5	986.2	987.7	990.3	989.0	974.5	1001.1
14.5°	986.3	985.9	984.5	984.7	985.2	983.3	984.6	986.3	985.6	970.1	997.8
15°	982.9	983.4	984.0	981.4	981.1	979.6	983.0	981.9	981.2	975.8	994.1
15.5°	978.5	978.9	978.5	977.4	977.2	975.1	978.5	977.2	978.2	972.9	994.3
16°	975.3	977.6	974.4	973.3	973.5	973.6	972.8	973.6	975.1	966.1	985.7
16.5°	970.1	969.3	970.8	967.7	969.6	969.7	968.1	969.4	969.1	965.3	981.3
17°	966.5	967.6	966.1	966.2	965.7	963.8	968.3	965.0	967.0	961.2	979.4
17.5°	962.9	963.7	964.3	960.9	961.5	958.7	963.2	967.1	961.4	953.8	972.2
18°	957.8	958.8	959.1	957.4	956.9	955.4	958.0	957.4	959.0	951.4	968.4
18.5°	953.3	954.4	956.6	928.5	952.7	951.0	951.4	950.4	953.8	947.4	965.4
19°	948.8	926.1	949.4	953.0	946.9	946.0	947.6	947.8	948.3	941.9	961.0
19.5°	944.4	946.7	943.7	945.8	942.1	941.6	944.0	941.9	944.5	937.7	955.3
20°	940.0	940.2	939.0	932.9	938.6	936.6	939.4	938.6	939.5	934.6	950.5
20.5°	934.8	934.5	935.1	933.1	933.0	931.8	934.5	932.0	936.4	927.3	947.6
21°	929.3	936.5	930.0	928.0	929.5	927.1	928.1	929.8	925.3	926.7	939.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	914.0	913.2	915.7	912.4	913.2	911.7	912.6	913.3	915.3	909.3	926.9
23°	909.6	909.0	907.6	906.8	908.4	906.3	909.8	908.2	909.9	903.9	920.1
23.5°	893.6	905.5	903.9	906.0	902.4	900.4	901.3	903.7	903.2	896.0	915.5
24°	896.5	902.5	898.8	896.7	897.6	895.0	897.5	896.8	902.2	887.9	909.9
24.5°	891.3	892.2	890.2	891.4	891.1	889.8	891.8	891.4	893.7	885.7	904.3
25°	886.0	885.8	886.2	885.6	885.7	883.9	885.3	885.7	887.6	879.1	898.1
25.5°	879.1	879.7	881.2	878.8	880.3	878.2	878.9	879.4	877.9	875.4	892.5
26°	873.7	874.9	876.0	873.7	873.8	872.1	873.7	875.7	875.4	868.0	885.8
26.5°	867.1	866.9	868.6	866.3	867.5	865.6	868.1	867.6	872.2	863.5	880.0
27°	861.7	860.7	859.4	862.8	861.9	859.4	861.9	863.1	860.3	857.2	874.1
27.5°	855.0	856.7	858.5	855.5	855.3	853.2	855.3	856.2	857.2	850.6	868.2
28°	848.4	850.3	849.7	849.0	849.5	848.3	848.5	849.4	853.3	844.6	861.2
28.5°	842.4	841.5	844.9	843.4	843.1	839.9	842.5	842.7	841.5	835.8	855.1
29°	835.9	835.2	836.1	836.2	836.6	838.4	835.8	841.9	835.5	830.9	847.0
29.5°	828.3	830.9	830.7	826.6	829.4	828.5	829.1	829.5	830.3	825.9	855.1
30°	810.7	822.5	823.1	822.3	823.2	821.7	823.2	823.2	824.8	819.5	829.4
30.5°	808.3	814.0	817.4	816.9	816.8	814.4	816.1	816.1	818.3	815.6	828.0
31°	804.9	810.4	809.4	809.1	810.3	808.1	809.2	810.2	811.1	805.7	821.9
31.5°	800.6	804.0	802.7	803.8	803.2	800.9	802.2	803.8	803.6	797.2	816.0
32°	794.9	794.8	795.6	796.9	796.1	794.4	795.3	795.6	797.3	792.1	808.6
32.5°	785.4	787.0	789.0	791.5	788.9	787.8	788.0	789.4	790.8	785.1	803.2
33°	778.2	778.6	781.4	781.0	782.1	780.7	781.8	781.5	783.1	777.0	794.2
33.5°	772.5	773.2	774.7	775.0	775.4	773.7	772.9	774.8	774.6	771.6	786.9
34°	763.9	763.1	769.3	767.5	768.1	766.0	768.1	768.7	768.8	764.5	779.6
34.5°	755.0	757.5	760.4	759.3	760.9	759.7	759.9	762.4	761.5	755.7	772.1
35°	747.9	749.9	752.4	751.8	753.6	751.4	752.8	752.2	754.6	750.3	764.7
35.5°	739.3	743.7	750.4	744.6	746.3	744.6	745.7	746.6	746.8	742.8	758.2
36°	732.3	734.4	739.5	738.4	738.6	738.3	738.5	740.2	737.3	736.0	750.3
36.5°	725.0	721.1	729.3	730.1	730.6	730.4	730.8	730.7	733.0	728.1	741.8
37°	713.6	719.3	721.9	723.2	723.9	722.7	723.2	724.0	722.1	721.0	734.5
37.5°	707.3	711.1	714.0	714.7	716.2	715.1	715.7	718.7	717.4	712.7	727.7
38°	701.6	698.8	706.8	707.7	708.1	706.3	708.0	707.9	716.0	706.7	720.7
38.5°	695.9	698.4	699.3	700.7	701.0	699.4	699.8	701.6	700.4	697.5	711.8
39°	681.9	690.9	691.9	692.3	693.4	692.0	693.4	693.5	700.4	691.2	703.8
39.5°	677.4	680.7	682.7	684.4	685.5	684.8	685.4	686.8	687.3	681.6	699.8
40°	665.0	670.3	674.8	676.4	677.9	676.4	677.8	679.3	679.8	674.9	686.6
40.5°	661.1	665.8	667.4	667.8	670.2	668.5	669.5	669.7	670.3	666.6	680.8
41°	650.9	654.6	658.0	656.4	662.0	660.4	661.8	662.0	664.0	656.3	668.6
41.5°	644.1	645.4	649.9	652.0	654.1	654.0	654.0	654.2	655.4	653.2	661.3
42°	634.3	639.8	644.0	645.1	646.7	645.0	646.0	649.0	648.3	645.2	656.8
42.5°	625.9	631.2	635.1	636.2	637.5	637.9	638.2	636.9	639.4	635.5	649.7
43°	617.3	620.8	625.0	629.8	630.3	629.4	629.8	630.6	626.6	628.8	641.0
43.5°	609.5	616.0	617.2	619.3	621.9	620.9	622.3	623.9	623.5	619.3	635.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	583.3	590.6	592.4	595.0	598.1	597.3	598.1	598.0	599.5	597.5	608.4
45.5°	575.5	581.9	585.9	589.9	590.0	588.3	590.3	590.6	592.7	587.6	601.7
46°	567.0	573.3	577.1	578.5	582.0	581.5	581.6	582.6	583.9	579.5	593.7
46.5°	557.6	564.2	569.2	571.4	573.4	573.5	575.0	574.7	575.8	570.9	581.7
47°	549.9	557.8	560.4	562.7	565.6	565.6	565.9	565.6	566.9	564.6	574.1
47.5°	542.4	547.4	552.6	561.3	557.4	557.3	558.1	558.6	559.4	557.1	568.4
48°	533.3	538.7	545.0	547.5	549.5	549.2	549.1	550.3	552.1	551.7	558.2
48.5°	524.8	531.4	536.7	538.2	541.3	541.3	543.3	542.8	543.9	538.7	550.3
49°	517.2	522.0	526.3	528.9	533.2	532.9	533.8	534.5	534.7	533.2	544.4
49.5°	508.6	513.5	520.5	526.3	525.1	525.6	525.8	526.2	527.2	525.7	535.2
50°	500.1	505.6	512.5	515.1	517.4	517.2	517.5	518.1	519.1	516.2	528.6
50.5°	491.7	497.5	503.9	505.0	509.1	509.6	509.4	510.5	510.5	510.6	517.5
51°	483.8	489.4	494.8	498.5	500.8	501.1	502.8	502.9	502.8	498.1	509.8
51.5°	474.6	480.8	487.1	489.6	492.9	492.5	495.9	494.1	494.8	491.6	501.6
52°	467.1	472.7	479.8	481.9	484.8	484.6	486.1	486.5	487.1	485.7	493.9
52.5°	459.5	464.6	472.2	476.3	476.9	477.6	477.5	478.1	478.5	475.3	485.1
53°	451.3	457.0	464.1	467.2	468.7	470.3	469.2	469.6	470.4	469.7	478.6
53.5°	443.4	448.6	455.7	457.8	460.5	462.0	461.3	461.9	461.9	460.3	469.8
54°	434.5	440.5	446.8	449.5	452.8	453.2	455.4	454.1	454.5	452.6	460.4
54.5°	427.9	432.5	437.9	442.7	444.5	444.7	445.9	445.7	446.7	444.4	455.5
55°	419.0	425.3	431.6	434.8	436.9	437.0	437.4	438.0	438.7	436.8	444.2
55.5°	411.5	416.8	422.3	428.1	428.9	429.0	428.3	429.4	431.6	428.4	438.1
56°	403.4	409.1	415.4	419.1	421.0	424.0	420.8	421.9	422.7	420.5	428.3
56.5°	396.0	401.5	407.2	410.9	413.1	413.5	414.8	413.7	415.1	413.5	420.5
57°	388.6	393.4	400.8	402.5	405.0	405.1	405.6	405.7	405.4	405.0	414.6
57.5°	380.5	385.6	390.8	394.6	397.3	396.2	396.8	397.7	398.8	399.1	406.0
58°	373.0	378.2	383.9	387.7	389.1	389.9	389.4	390.2	391.0	389.3	393.7
58.5°	365.2	370.0	376.2	380.2	381.4	383.1	381.8	383.3	382.6	381.4	389.0
59°	357.9	362.6	367.5	371.1	374.0	374.6	374.3	374.0	374.1	373.5	381.4
59.5°	350.7	352.0	361.7	363.0	366.2	365.7	365.5	366.4	366.5	365.5	374.5
60°	343.4	347.4	352.7	355.6	358.9	357.9	357.5	359.8	359.3	358.8	366.6
60.5°	335.9	340.3	347.0	347.7	350.5	351.8	350.7	350.6	351.0	351.0	358.5
61°	328.5	333.0	336.1	340.8	342.1	343.6	342.9	341.4	343.4	342.8	350.8
61.5°	321.4	325.8	331.4	332.8	334.9	334.6	334.7	335.0	336.2	335.9	341.2
62°	314.2	318.1	323.1	325.4	327.1	327.3	327.0	327.1	328.1	327.8	335.4
62.5°	307.3	311.0	315.4	317.5	320.5	320.1	319.3	319.7	321.4	320.1	326.3
63°	299.9	304.0	308.0	310.0	312.3	312.2	311.4	311.5	313.1	312.5	319.5
63.5°	293.2	296.8	300.8	301.7	304.7	304.0	304.0	303.7	305.3	305.0	311.5
64°	286.3	289.7	293.2	296.6	297.5	296.9	296.0	297.2	299.4	297.1	304.4
64.5°	279.3	282.7	286.5	290.6	289.9	289.6	288.6	290.3	290.2	290.2	297.6
65°	272.6	275.9	279.2	281.8	282.1	281.5	280.9	281.4	281.9	282.8	288.3
65.5°	266.1	268.9	272.2	274.2	274.6	274.1	274.4	273.7	275.5	275.1	281.1
66°	259.1	262.2	265.0	266.8	267.8	266.8	265.9	266.1	268.1	267.8	274.1



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	239.5	242.0	244.4	245.2	245.6	244.1	243.4	244.0	245.4	244.6	252.5
68°	233.3	235.5	237.4	239.3	238.6	237.2	236.2	236.4	238.1	238.7	245.2
68.5°	226.8	228.8	230.8	231.4	231.4	229.7	228.8	229.4	230.5	231.5	238.1
69°	220.5	222.3	224.2	224.6	224.3	222.6	221.4	221.8	223.2	223.6	231.3
69.5°	214.4	215.9	217.2	217.4	216.9	215.0	214.0	214.0	215.6	216.7	223.4
70°	208.1	209.7	210.5	210.8	210.5	208.3	206.7	207.1	208.2	209.2	216.7
70.5°	201.9	203.1	204.2	203.9	203.1	200.9	199.4	200.0	201.4	203.8	209.5
71°	195.7	197.1	197.6	197.6	196.2	194.0	192.7	192.5	194.8	195.8	202.3
71.5°	189.8	190.9	191.7	191.1	189.5	187.5	185.4	185.7	187.5	188.9	196.8
72°	184.0	184.8	185.2	184.6	182.5	179.9	178.5	178.5	180.4	182.0	189.0
72.5°	178.1	179.0	178.5	177.9	175.8	173.0	171.2	171.8	172.8	175.4	181.0
73°	172.3	172.6	173.0	171.5	169.2	166.3	164.2	165.1	166.2	168.8	175.2
73.5°	166.7	167.0	166.4	165.1	162.8	159.2	157.5	158.4	159.5	162.3	168.9
74°	160.8	160.9	160.6	158.7	156.0	152.2	150.4	151.7	152.8	155.8	162.5
74.5°	155.3	155.2	154.8	152.4	149.7	146.0	143.5	145.0	146.1	149.2	156.2
75°	150.0	149.7	148.4	146.4	143.2	139.3	136.8	138.2	139.9	142.7	149.8
75.5°	144.6	144.0	143.2	140.3	137.0	133.2	130.2	131.1	133.1	136.2	143.5
76°	139.0	138.5	138.3	134.4	130.6	126.3	123.7	124.3	126.5	130.3	137.0
76.5°	133.8	133.0	131.7	128.4	124.6	120.2	117.1	118.0	119.9	123.1	130.9
77°	128.5	127.6	125.9	122.7	118.6	114.0	110.7	111.4	114.0	116.9	124.7
77.5°	123.3	122.2	120.2	116.7	112.5	107.2	104.5	104.9	106.9	110.7	118.7
78°	118.2	117.0	115.0	111.0	106.7	101.7	98.2	98.5	101.1	104.6	113.0
78.5°	113.4	112.0	109.4	105.5	101.1	95.8	92.2	92.4	94.6	98.7	106.7
79°	108.5	106.9	104.1	100.2	95.2	90.0	86.2	86.3	88.6	92.8	101.4
79.5°	103.6	101.9	98.9	94.8	89.7	84.1	80.2	80.3	82.5	87.0	95.1
80°	99.1	97.1	93.9	89.5	84.2	78.6	74.4	74.1	76.8	81.2	88.8
80.5°	94.6	92.4	89.2	84.4	79.0	73.2	68.6	68.6	71.3	75.8	84.6
81°	90.1	87.7	84.3	79.5	73.8	68.9	63.6	63.2	65.8	70.5	78.8
81.5°	85.8	83.4	79.5	74.6	68.4	63.8	58.7	57.6	60.1	65.4	74.1
82°	81.6	79.1	75.4	69.8	63.9	58.8	53.7	52.2	55.0	60.2	68.4
82.5°	77.5	74.8	70.9	65.7	59.5	53.8	48.8	47.2	50.0	55.3	63.5
83°	73.5	70.8	67.1	61.6	55.2	48.7	43.9	42.4	45.1	50.3	58.7
83.5°	69.5	67.2	63.3	57.5	50.8	44.3	39.4	37.7	40.4	45.8	54.2
84°	66.2	63.7	59.5	53.4	46.6	39.9	34.9	33.3	36.1	41.5	49.8
84.5°	62.9	60.1	55.7	49.3	42.5	35.6	30.7	29.0	31.7	37.4	45.6
85°	59.6	56.6	51.9	45.5	38.6	31.6	26.6	25.0	27.7	33.2	41.5
85.5°	56.4	53.0	48.4	42.0	34.9	27.9	22.8	21.6	23.8	29.7	37.6
86°	53.1	49.7	45.0	38.5	31.4	24.3	19.0	18.2	20.7	25.8	34.0
86.5°	50.0	46.5	41.6	35.3	28.2	21.0	15.7	14.8	17.6	22.5	30.4
87°	46.9	43.5	38.5	32.2	25.2	18.1	12.7	11.3	14.4	19.8	27.1
87.5°	44.1	40.6	35.7	29.4	22.3	15.3	9.9	7.9	11.3	17.1	23.9
88°	41.2	37.8	32.8	26.6	19.7	12.8	7.4	5.4	8.2	14.4	21.3
88.5°	38.5	35.1	30.1	24.1	17.3	10.7	5.9	3.4	5.9	11.7	18.8



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	31.1	27.9	23.2	17.5	11.4	6.1	1.8	0.2	1.8	5.5	11.1
90.5°	29.1	25.7	21.1	15.6	9.8	5.0	1.2	0.2	1.2	4.3	9.3
91°	26.9	23.7	19.2	13.9	8.4	4.0	0.8	0.2	0.9	3.3	7.7
91.5°	24.9	21.7	17.4	12.3	7.2	2.9	0.6	0.2	0.7	2.6	6.4
92°	23.0	19.9	15.7	10.9	6.3	2.3	0.5	0.2	0.6	2.1	5.3
92.5°	21.2	18.2	14.2	9.6	5.4	1.9	0.4	0.2	0.5	1.8	4.4
93°	19.5	16.6	12.7	8.4	4.6	1.5	0.3	0.1	0.5	1.6	3.8
93.5°	17.9	15.1	11.4	7.3	3.7	1.3	0.3	0.1	0.5	1.5	3.3
94°	16.5	13.8	10.3	6.6	3.2	1.1	0.3	0.2	0.5	1.4	3.0
94.5°	15.1	12.6	9.1	5.9	2.8	1.0	0.3	0.2	0.5	1.4	2.8
95°	13.8	11.3	8.2	5.2	2.4	0.9	0.3	0.2	0.4	1.3	2.7
95.5°	12.6	10.3	7.3	4.4	2.2	0.8	0.3	0.2	0.4	1.3	2.5
96°	11.5	9.3	6.7	3.9	2.0	0.7	0.3	0.3	0.4	1.3	2.5
96.5°	10.6	8.4	6.1	3.5	1.8	0.6	0.3	0.3	0.4	1.2	2.4
97°	9.6	7.7	5.4	3.2	1.6	0.6	0.3	0.3	0.4	1.2	2.3
97.5°	8.8	7.1	4.8	3.0	1.5	0.6	0.3	0.4	0.4	1.2	2.3
98°	8.0	6.5	4.4	2.7	1.4	0.5	0.3	0.4	0.4	1.2	2.3
98.5°	7.4	5.9	4.1	2.6	1.3	0.5	0.4	0.5	0.4	1.2	2.2
99°	6.9	5.3	3.8	2.4	1.2	0.6	0.4	0.5	0.4	1.2	2.2
99.5°	6.3	4.9	3.6	2.2	1.1	0.6	0.5	0.5	0.4	1.2	2.2
100°	5.8	4.5	3.4	2.1	1.0	0.6	0.5	0.5	0.4	1.2	2.1
100.5°	5.3	4.3	3.2	1.9	1.0	0.6	0.5	0.6	0.5	1.1	2.1
101°	5.0	4.1	3.0	1.8	1.0	0.7	0.6	0.6	0.5	1.1	2.1
101.5°	4.8	3.9	2.9	1.7	1.0	0.7	0.7	0.7	0.6	1.1	2.1
102°	4.5	3.7	2.7	1.6	0.9	0.7	0.7	0.7	0.6	1.1	2.1
102.5°	4.3	3.6	2.6	1.5	0.9	0.8	0.8	0.8	0.7	1.2	2.1
103°	4.1	3.4	2.4	1.5	0.9	0.8	0.8	0.9	0.8	1.2	2.1
103.5°	3.9	3.2	2.3	1.4	1.0	0.8	0.9	1.0	0.8	1.1	2.1
104°	3.8	3.0	2.2	1.3	1.0	0.9	0.9	1.1	0.9	1.1	2.1
104.5°	3.6	2.9	2.1	1.3	1.0	0.9	1.0	1.1	0.9	1.1	2.1
105°	3.4	2.7	2.0	1.3	1.1	1.0	1.0	1.2	1.0	1.1	2.1
105.5°	3.2	2.6	1.9	1.3	1.1	1.0	1.1	1.2	1.1	1.1	2.1
106°	3.1	2.5	1.8	1.3	1.1	1.0	1.3	1.3	1.2	1.1	2.1
106.5°	2.9	2.4	1.7	1.3	1.2	1.1	1.4	1.3	1.4	1.1	2.1
107°	2.8	2.3	1.7	1.3	1.2	1.1	1.6	1.4	1.6	1.1	2.1
107.5°	2.6	2.2	1.6	1.3	1.3	1.1	1.7	1.5	1.6	1.1	2.1
108°	2.5	2.1	1.6	1.3	1.3	1.1	1.7	1.5	1.5	1.2	2.1
108.5°	2.4	2.0	1.5	1.3	1.2	1.2	1.6	1.6	1.6	1.2	2.0
109°	2.3	1.9	1.5	1.3	1.2	1.2	1.6	1.6	1.5	1.2	1.9
109.5°	2.2	1.8	1.5	1.4	1.2	1.2	1.6	1.6	1.5	1.3	1.8
110°	2.1	1.8	1.5	1.4	1.3	1.3	1.7	1.6	1.6	1.3	1.8
110.5°	2.0	1.7	1.5	1.4	1.3	1.3	1.7	1.7	1.6	1.3	1.8
111°	1.9	1.7	1.6	1.4	1.3	1.4	1.7	1.7	1.6	1.4	1.8



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.8	1.7	1.7	1.5	1.4	1.5	1.8	1.8	1.6	1.5	1.7
113°	1.7	1.7	1.7	1.4	1.5	1.6	1.8	1.8	1.6	1.5	1.7
113.5°	1.7	1.7	1.7	1.3	1.5	1.6	1.8	1.8	1.6	1.6	1.6
114°	1.7	1.7	1.7	1.3	1.5	1.7	1.8	1.8	1.6	1.6	1.6
114.5°	1.7	1.8	1.7	1.3	1.5	1.7	1.9	1.9	1.6	1.7	1.4
115°	1.8	1.8	1.8	1.3	1.5	1.7	1.9	1.9	1.7	1.7	1.4
115.5°	1.8	1.8	1.8	1.4	1.5	1.7	1.9	1.9	1.7	1.7	1.4
116°	1.8	1.9	1.8	1.4	1.6	1.7	1.9	1.9	1.7	1.7	1.4
116.5°	1.8	1.9	1.7	1.4	1.6	1.8	1.9	1.9	1.7	1.7	1.4
117°	1.9	1.9	1.6	1.5	1.6	1.9	1.9	1.8	1.6	1.8	1.5
117.5°	1.9	1.9	1.5	1.5	1.7	2.1	1.9	1.8	1.6	1.8	1.5
118°	2.0	2.0	1.5	1.6	1.7	2.2	1.8	1.8	1.6	2.0	1.5
118.5°	2.0	2.0	1.5	1.6	1.7	2.3	1.9	1.7	1.6	2.2	1.5
119°	2.0	1.9	1.5	1.6	1.8	2.3	1.9	1.7	1.6	2.3	1.6
119.5°	2.0	1.8	1.5	1.7	1.8	2.2	1.9	1.7	1.6	2.3	1.6
120°	2.1	1.6	1.6	1.7	1.8	2.2	1.9	1.8	1.7	2.2	1.6
120.5°	2.1	1.6	1.6	1.7	1.9	2.1	2.0	1.8	1.7	2.1	1.7
121°	2.0	1.6	1.6	1.8	1.9	2.1	2.0	1.8	1.7	2.1	1.7
121.5°	1.8	1.6	1.7	1.8	1.9	2.0	2.0	1.8	1.7	2.1	1.7
122°	1.7	1.6	1.7	1.8	2.0	2.0	2.0	1.8	1.8	2.1	1.8
122.5°	1.6	1.6	1.7	1.8	2.0	2.0	2.1	1.8	1.8	2.1	1.8
123°	1.6	1.6	1.8	1.9	2.0	2.1	2.1	1.8	1.8	2.1	1.8
123.5°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.8	1.8	2.1	1.8
124°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.9	1.8	2.2	1.9
124.5°	1.6	1.7	1.9	2.0	2.2	2.2	2.1	1.9	1.8	2.2	1.9
125°	1.6	1.8	1.9	2.0	2.2	2.2	2.2	1.9	1.8	2.2	2.0
125.5°	1.7	1.8	1.9	2.0	2.3	2.2	2.2	1.9	1.9	2.2	2.0
126°	1.7	1.8	2.0	2.1	2.4	2.2	2.2	1.9	1.9	2.2	2.0
126.5°	1.7	1.9	2.0	2.1	2.6	2.2	2.2	1.9	1.9	2.2	2.1
127°	1.8	1.9	2.0	2.1	2.7	2.2	2.2	1.9	1.9	2.2	2.2
127.5°	1.8	1.9	2.1	2.2	2.7	2.2	2.2	1.9	1.9	2.2	2.3
128°	1.8	1.9	2.1	2.2	2.8	2.2	2.2	1.9	1.9	2.2	2.5
128.5°	1.9	2.0	2.1	2.2	2.7	2.2	2.3	1.9	1.9	2.2	2.7
129°	1.9	2.0	2.1	2.3	2.7	2.1	2.3	2.0	1.9	2.1	2.7
129.5°	1.9	2.0	2.2	2.3	2.6	2.1	2.3	2.0	1.9	2.1	2.7
130°	2.0	2.1	2.2	2.3	2.6	2.1	2.3	2.0	2.0	2.1	2.5
130.5°	2.0	2.1	2.2	2.4	2.6	2.1	2.3	2.0	2.0	2.1	2.4
131°	2.0	2.1	2.2	2.4	2.6	2.1	2.3	2.0	2.0	2.1	2.4
131.5°	2.1	2.1	2.3	2.5	2.5	2.1	2.3	2.0	2.0	2.1	2.5
132°	2.1	2.2	2.3	2.6	2.5	2.1	2.3	2.0	2.0	2.0	2.5
132.5°	2.1	2.2	2.3	2.7	2.5	2.1	2.3	2.0	2.0	2.0	2.5
133°	2.1	2.2	2.4	2.9	2.5	2.1	2.3	2.0	2.0	2.0	2.5
133.5°	2.2	2.3	2.4	3.1	2.5	2.1	2.3	2.1	2.0	2.1	2.4



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	2.2	2.3	2.5	3.4	2.5	2.2	2.3	2.1	2.1	2.1	2.6
135.5°	2.3	2.4	2.5	3.4	2.6	2.2	2.3	2.1	2.1	2.1	2.6
136°	2.3	2.4	2.6	3.3	2.6	2.2	2.4	2.0	2.1	2.2	2.6
136.5°	2.3	2.4	2.7	3.2	2.6	2.3	2.4	2.1	2.1	2.2	2.6
137°	2.4	2.5	2.8	3.1	2.6	2.3	2.4	2.1	2.1	2.2	2.6
137.5°	2.4	2.5	2.9	3.0	2.6	2.3	2.4	2.1	2.1	2.2	2.6
138°	2.4	2.5	3.1	2.9	2.6	2.4	2.4	2.1	2.1	2.3	2.6
138.5°	2.5	2.6	3.3	2.9	2.5	2.4	2.5	2.1	2.1	2.3	2.6
139°	2.5	2.6	3.5	2.9	2.5	2.5	2.5	2.2	2.2	2.3	2.5
139.5°	2.5	2.7	3.6	2.9	2.4	2.5	2.5	2.2	2.2	2.4	2.5
140°	2.6	2.7	3.6	2.9	2.4	2.5	2.5	2.2	2.2	2.4	2.5
140.5°	2.6	2.9	3.5	2.9	2.3	2.5	2.5	2.2	2.2	2.4	2.5
141°	2.6	3.0	3.4	3.0	2.3	2.5	2.5	2.2	2.2	2.5	2.4
141.5°	2.7	3.2	3.3	3.0	2.2	2.5	2.5	2.2	2.2	2.5	2.4
142°	2.7	3.4	3.2	3.0	2.2	2.6	2.5	2.2	2.2	2.5	2.4
142.5°	2.9	3.5	3.1	3.0	2.2	2.6	2.5	2.3	2.2	2.5	2.4
143°	3.0	3.6	3.0	3.0	2.3	2.6	2.5	2.3	2.3	2.5	2.4
143.5°	3.2	3.6	3.0	2.9	2.3	2.6	2.4	2.3	2.3	2.6	2.4
144°	3.4	3.5	3.0	2.8	2.3	2.6	2.4	2.3	2.3	2.6	2.4
144.5°	3.6	3.4	3.0	2.8	2.3	2.6	2.4	2.3	2.3	2.6	2.4
145°	3.7	3.3	3.0	2.7	2.3	2.6	2.4	2.3	2.3	2.6	2.4
145.5°	3.7	3.2	3.0	2.6	2.3	2.6	2.4	2.3	2.3	2.6	2.4
146°	3.6	3.1	3.0	2.6	2.3	2.6	2.4	2.2	2.3	2.6	2.4
146.5°	3.5	3.0	3.0	2.5	2.4	2.7	2.4	2.2	2.3	2.7	2.5
147°	3.4	3.0	3.0	2.4	2.4	2.7	2.4	2.3	2.3	2.7	2.5
147.5°	3.2	3.0	3.0	2.3	2.4	2.7	2.4	2.3	2.3	2.7	2.5
148°	3.1	3.0	2.9	2.3	2.4	2.6	2.4	2.3	2.3	2.7	2.5
148.5°	3.1	3.1	2.9	2.2	2.4	2.6	2.4	2.3	2.3	2.7	2.6
149°	3.0	3.1	2.8	2.2	2.5	2.6	2.4	2.3	2.2	2.7	2.6
149.5°	3.0	3.1	2.7	2.2	2.5	2.6	2.4	2.3	2.2	2.7	2.6
150°	3.0	3.1	2.6	2.2	2.5	2.6	2.3	2.3	2.2	2.6	2.6
150.5°	3.1	3.0	2.5	2.2	2.5	2.6	2.3	2.3	2.2	2.7	2.6
151°	3.1	2.9	2.4	2.2	2.5	2.6	2.3	2.3	2.2	2.7	2.7
151.5°	3.1	2.9	2.3	2.2	2.5	2.6	2.4	2.3	2.2	2.7	2.7
152°	3.1	2.8	2.3	2.3	2.6	2.6	2.4	2.3	2.2	2.7	2.7
152.5°	3.0	2.7	2.2	2.3	2.6	2.7	2.4	2.3	2.2	2.7	2.7
153°	2.9	2.6	2.2	2.3	2.6	2.7	2.4	2.3	2.2	2.7	2.7
153.5°	2.8	2.5	2.2	2.3	2.6	2.6	2.3	2.3	2.2	2.7	2.7
154°	2.7	2.4	2.2	2.4	2.6	2.6	2.4	2.2	2.2	2.7	2.7
154.5°	2.6	2.3	2.2	2.4	2.6	2.6	2.4	2.2	2.2	2.7	2.8
155°	2.5	2.2	2.2	2.4	2.6	2.6	2.3	2.2	2.1	2.7	2.8
155.5°	2.4	2.2	2.2	2.4	2.6	2.5	2.3	2.2	2.1	2.6	2.8
156°	2.3	2.1	2.2	2.5	2.6	2.6	2.3	2.3	2.1	2.6	2.8



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	2.1	2.2	2.3	2.5	2.6	2.6	2.4	2.2	2.0	2.5	2.7
158°	2.1	2.2	2.4	2.5	2.6	2.6	2.4	2.1	1.9	2.3	2.6
158.5°	2.1	2.2	2.4	2.5	2.6	2.6	2.4	2.1	1.8	2.2	2.7
159°	2.2	2.3	2.4	2.6	2.6	2.5	2.4	2.2	1.8	2.2	2.7
159.5°	2.2	2.3	2.4	2.6	2.6	2.5	2.4	2.2	1.9	2.3	2.6
160°	2.2	2.3	2.5	2.6	2.6	2.5	2.3	2.2	2.0	2.4	2.3
160.5°	2.3	2.4	2.5	2.6	2.6	2.4	2.2	2.1	2.0	2.4	2.2
161°	2.3	2.4	2.5	2.6	2.6	2.3	2.0	2.0	2.0	2.4	2.4
161.5°	2.3	2.4	2.5	2.6	2.5	2.3	1.9	2.0	2.0	2.4	2.6
162°	2.4	2.5	2.6	2.6	2.5	2.3	1.9	2.1	2.0	2.4	2.7
162.5°	2.4	2.5	2.6	2.5	2.5	2.1	2.0	2.1	2.0	2.3	2.7
163°	2.4	2.5	2.6	2.4	2.5	2.1	2.2	2.0	2.0	2.2	2.6
163.5°	2.4	2.5	2.6	2.5	2.5	2.1	2.2	1.9	2.0	2.2	2.6
164°	2.5	2.6	2.6	2.5	2.3	2.3	2.2	1.9	2.0	2.3	2.6
164.5°	2.5	2.6	2.6	2.6	2.1	2.3	2.2	1.9	2.0	2.3	2.6
165°	2.5	2.6	2.6	2.6	2.2	2.3	2.2	2.0	2.0	2.3	2.6
165.5°	2.6	2.6	2.5	2.6	2.3	2.3	2.1	2.1	1.9	2.2	2.5
166°	2.6	2.6	2.5	2.4	2.4	2.3	2.0	1.9	1.7	2.1	2.5
166.5°	2.6	2.6	2.6	2.1	2.4	2.3	2.0	1.7	1.6	2.1	2.5
167°	2.6	2.7	2.6	2.1	2.4	2.2	1.9	1.6	1.6	2.0	2.3
167.5°	2.6	2.6	2.6	2.3	2.3	2.0	1.6	1.7	1.7	1.7	2.2
168°	2.6	2.5	2.6	2.5	2.2	1.7	1.6	1.7	1.7	1.7	1.9
168.5°	2.6	2.4	2.6	2.4	2.1	1.6	1.6	1.7	1.7	1.7	1.7
169°	2.6	2.5	2.4	2.3	1.9	1.6	1.6	1.7	1.7	1.7	1.7
169.5°	2.6	2.5	2.1	2.2	1.7	1.6	1.6	1.7	1.7	1.7	1.7
170°	2.6	2.5	1.9	2.0	1.6	1.6	1.6	1.7	1.7	1.7	1.7
170.5°	2.5	2.5	2.0	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7
171°	2.4	2.3	2.1	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7
171.5°	2.3	2.3	1.8	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
172°	2.3	2.2	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
172.5°	2.3	1.9	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.7
173°	2.2	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
173.5°	2.2	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
174°	2.2	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
174.5°	2.0	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
175°	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
175.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
176°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
176.5°	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
178°	1.6	1.7	1.7	1.7	1.7	1.8	1.9	2.0	1.9	1.9	1.8
178.5°	1.6	1.7	1.8	1.7	1.9	2.1	2.3	2.3	2.3	2.2	2.1



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1	1042.1
0.5°	1043.4	1041.6	1041.9	1047.1	1043.6	1042.4	1041.0	1041.7	1043.7	1043.2	1041.7
1°	1046.2	1040.9	1041.9	1043.3	1044.0	1043.8	1040.5	1040.7	1042.5	1040.9	1041.6
1.5°	1041.4	1041.5	1040.9	1042.8	1043.2	1041.1	1041.2	1042.4	1042.5	1043.4	1041.4
2°	1040.0	1040.5	1040.9	1042.9	1043.3	1046.1	1040.4	1039.5	1043.2	1043.2	1043.7
2.5°	1040.0	1040.0	1039.9	1045.3	1042.3	1042.2	1040.7	1040.8	1042.7	1045.2	1041.5
3°	1039.0	1039.5	1039.5	1041.2	1041.2	1041.6	1038.6	1040.3	1042.6	1043.6	1040.8
3.5°	1037.8	1038.8	1038.7	1039.3	1040.4	1039.7	1040.0	1039.3	1041.1	1041.9	1039.2
4°	1037.2	1037.0	1038.3	1041.0	1039.3	1039.5	1038.8	1038.7	1040.5	1039.8	1040.0
4.5°	1035.4	1035.9	1036.7	1041.5	1040.3	1039.9	1038.5	1038.1	1039.8	1040.0	1038.8
5°	1033.7	1035.4	1035.8	1037.5	1038.7	1035.8	1037.0	1036.9	1039.2	1039.4	1037.6
5.5°	1032.8	1033.5	1033.9	1041.8	1036.5	1038.9	1034.6	1036.1	1037.7	1039.0	1037.2
6°	1031.3	1031.9	1032.4	1035.6	1035.0	1033.9	1035.5	1035.1	1037.0	1037.5	1037.2
6.5°	1030.2	1030.2	1031.2	1032.5	1033.6	1032.1	1033.6	1033.7	1035.1	1036.5	1035.1
7°	1028.1	1028.5	1030.1	1031.9	1031.6	1032.5	1031.4	1031.3	1034.7	1035.6	1033.9
7.5°	1026.0	1027.2	1027.7	1029.3	1030.5	1033.3	1030.8	1030.5	1032.4	1033.0	1031.9
8°	1024.5	1025.3	1025.9	1028.9	1028.4	1028.6	1026.4	1028.5	1031.3	1032.0	1030.8
8.5°	1022.9	1022.5	1024.0	1025.9	1027.1	1022.9	1025.6	1026.4	1029.3	1029.9	1028.5
9°	1019.8	1020.4	1021.5	1023.2	1022.7	1025.4	1022.2	1025.0	1027.8	1028.1	1026.9
9.5°	1017.3	1018.4	1019.0	1022.3	1021.5	1024.2	1021.2	1022.7	1025.6	1027.7	1025.4
10°	1015.6	1016.3	1016.1	1020.1	1019.8	1019.6	1019.9	1021.1	1023.0	1028.9	1023.7
10.5°	1012.7	1012.7	1014.7	1017.4	1017.2	1017.0	1017.6	1018.0	1021.2	1024.2	1021.1
11°	1009.8	1010.5	1012.0	1016.3	1017.4	1014.5	1016.7	1015.7	1018.5	1040.0	1018.3
11.5°	1006.7	1007.8	1008.8	1014.8	1012.3	1011.4	1013.9	1013.2	1016.3	1016.3	1014.6
12°	1003.5	1004.9	1006.0	1008.3	1009.7	1008.8	1010.4	1011.0	1013.8	1014.0	1013.3
12.5°	1001.3	1002.2	1003.9	1004.2	1006.2	1004.9	1007.1	1008.8	1010.3	1011.5	1010.5
13°	997.8	999.2	1000.6	1003.1	1002.5	1007.5	1005.7	1005.2	1007.7	1008.8	1010.0
13.5°	994.9	995.4	996.5	1008.8	1002.4	996.9	999.6	1003.6	1004.7	1006.2	1005.1
14°	990.6	992.3	993.2	996.1	997.4	994.4	998.2	999.1	1001.3	1002.8	1002.3
14.5°	987.5	989.0	989.4	992.9	994.5	996.5	993.6	994.9	998.6	999.1	999.1
15°	984.5	985.8	986.3	989.3	995.5	996.4	990.8	992.8	995.4	996.8	995.7
15.5°	981.1	981.2	982.6	983.4	985.0	987.4	986.8	989.3	991.9	992.7	993.0
16°	976.2	977.4	979.0	985.3	981.3	985.8	983.6	985.1	987.9	989.9	988.3
16.5°	973.1	973.7	974.6	977.6	977.7	982.5	979.7	982.2	984.0	985.7	984.4
17°	969.3	970.1	971.0	974.8	974.7	976.3	976.2	977.6	979.8	982.2	981.1
17.5°	964.7	965.6	966.5	971.9	970.3	969.8	971.8	972.5	976.5	977.5	978.4
18°	960.1	961.2	963.0	963.5	965.7	968.2	968.4	969.1	972.1	974.0	974.8
18.5°	955.9	957.4	958.3	961.6	963.4	963.1	963.3	964.9	967.9	970.4	969.9
19°	951.2	952.7	953.9	959.6	957.7	955.8	958.2	962.2	963.2	965.3	965.6
19.5°	947.9	947.6	949.3	950.6	952.2	953.9	955.1	950.9	959.3	961.0	962.2
20°	942.0	943.1	944.5	947.7	946.9	949.2	949.4	949.7	954.7	957.1	957.3
20.5°	937.2	938.7	939.4	942.6	943.7	943.5	944.7	947.4	949.9	952.6	952.5
21°	931.7	933.2	934.7	937.9	935.3	936.8	939.1	944.0	943.7	947.3	947.7



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	917.0	917.8	919.1	918.9	922.2	923.2	924.3	925.5	931.4	932.3	933.6
23°	911.9	912.7	913.9	912.9	915.8	918.2	919.1	920.1	925.1	927.5	927.4
23.5°	906.2	907.2	908.0	911.4	910.1	913.1	913.4	915.8	919.9	922.6	923.2
24°	900.5	901.9	902.8	906.3	907.2	907.1	908.6	910.9	914.5	917.3	917.8
24.5°	894.7	895.9	896.7	903.7	899.4	896.4	902.6	905.7	909.2	911.3	912.8
25°	889.0	889.9	890.9	893.2	892.3	897.2	896.8	899.7	902.9	906.2	906.7
25.5°	883.0	884.5	885.0	886.3	889.2	889.8	890.3	893.2	897.6	900.8	902.3
26°	877.8	878.5	879.5	880.4	882.6	882.6	885.3	887.7	890.3	894.8	894.9
26.5°	871.9	872.6	872.6	874.9	875.6	876.9	880.2	880.2	885.8	888.5	890.5
27°	865.3	866.1	867.2	869.8	869.3	869.8	872.0	875.1	872.5	882.9	883.5
27.5°	859.6	859.4	860.2	863.3	863.3	863.8	867.9	869.0	873.8	876.4	878.9
28°	852.5	853.1	854.0	854.8	854.9	857.1	858.4	864.0	866.9	870.4	872.3
28.5°	846.7	846.9	848.0	847.6	849.6	854.3	851.0	855.0	860.4	865.3	865.3
29°	839.7	840.8	841.6	846.9	842.5	844.4	843.8	852.4	855.3	858.9	859.7
29.5°	833.2	833.8	834.6	835.4	837.4	837.2	840.4	843.4	847.8	852.0	852.5
30°	826.9	827.0	827.5	830.3	829.2	830.3	832.7	831.5	841.0	845.5	846.8
30.5°	819.9	820.3	820.7	822.6	822.3	821.8	825.7	829.6	834.6	838.4	840.2
31°	812.9	813.6	814.1	814.6	815.4	816.0	816.5	824.4	827.6	832.1	837.2
31.5°	806.7	806.9	806.7	808.1	806.8	811.1	810.6	812.9	820.2	824.6	827.0
32°	799.6	800.0	800.0	802.3	801.7	801.0	803.5	810.1	814.0	818.5	820.4
32.5°	793.0	792.6	792.6	793.6	793.2	794.7	796.9	800.5	806.6	811.8	814.1
33°	785.5	785.8	785.6	785.0	785.7	783.7	788.9	794.8	799.4	804.4	806.6
33.5°	778.5	778.2	777.5	778.2	779.2	774.2	781.3	785.0	792.1	797.4	799.5
34°	771.1	770.5	770.3	771.4	771.0	779.0	773.0	779.4	785.1	789.5	791.9
34.5°	764.4	764.1	763.3	764.1	762.4	762.2	766.5	771.9	777.5	782.5	784.7
35°	756.7	756.1	755.6	756.7	755.2	750.8	759.6	761.7	769.8	775.2	778.6
35.5°	749.4	748.7	747.8	748.9	747.6	750.2	751.7	755.9	762.7	767.8	770.8
36°	741.7	741.1	740.3	742.6	740.2	742.6	742.8	746.5	754.8	760.6	764.2
36.5°	735.4	734.2	732.9	733.1	731.3	730.5	737.1	740.1	747.3	753.5	756.3
37°	726.8	726.6	724.8	723.4	722.5	724.2	726.2	732.8	739.1	745.7	748.8
37.5°	719.0	718.3	716.6	716.7	716.7	716.1	719.5	724.5	731.1	737.8	742.4
38°	711.3	710.5	709.2	709.4	706.9	706.5	710.7	717.1	723.7	729.8	732.4
38.5°	703.8	702.7	701.3	701.2	699.4	699.6	702.9	708.8	715.9	722.0	725.5
39°	696.2	694.8	693.3	695.1	690.6	690.1	694.0	700.7	707.8	714.4	718.4
39.5°	688.6	687.4	685.1	683.7	683.0	686.7	685.4	692.8	699.8	706.3	710.4
40°	680.3	678.8	676.8	675.6	674.9	675.4	677.1	684.4	691.6	698.9	701.7
40.5°	672.6	671.4	668.9	668.1	665.6	667.6	668.9	675.5	683.1	690.2	694.5
41°	664.8	663.1	660.4	659.1	663.1	659.0	661.3	666.7	675.3	682.8	687.3
41.5°	657.3	655.0	652.7	657.9	650.0	649.4	653.6	658.2	667.6	674.3	679.4
42°	648.9	647.4	644.7	642.8	640.0	642.0	644.5	650.1	659.4	666.2	670.7
42.5°	640.7	638.8	636.3	633.7	632.0	634.4	635.9	642.0	651.2	657.9	662.8
43°	632.7	630.9	628.1	624.9	624.9	624.0	628.0	633.8	642.2	650.0	655.8
43.5°	625.1	622.9	619.8	618.0	615.6	615.1	619.4	624.4	633.8	641.6	646.8



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CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	600.7	598.2	594.6	594.3	591.3	590.5	594.0	602.0	609.7	617.0	622.2
45.5°	592.5	589.9	586.8	584.5	581.8	582.3	584.8	590.6	601.1	609.1	615.0
46°	584.7	581.8	578.4	575.5	574.0	573.9	575.8	586.3	592.6	601.0	605.8
46.5°	576.2	573.2	570.3	569.0	565.8	565.4	568.6	576.5	584.2	592.6	597.7
47°	568.2	565.4	561.5	558.9	554.7	557.1	559.9	569.0	575.8	584.2	589.4
47.5°	560.3	557.2	553.6	549.5	548.9	548.6	551.5	559.7	567.5	575.8	581.5
48°	551.8	549.2	545.2	543.0	540.2	540.2	543.7	549.1	559.1	567.3	573.4
48.5°	543.8	540.8	537.1	533.5	530.9	531.7	535.1	540.2	550.7	559.3	566.8
49°	535.4	532.9	528.6	526.4	520.0	523.7	526.1	533.7	542.4	550.7	556.3
49.5°	527.5	524.5	520.5	517.6	515.3	515.1	517.7	522.9	534.2	542.9	549.5
50°	519.1	516.2	512.3	509.3	506.4	507.0	509.9	516.4	525.9	534.2	538.0
50.5°	511.1	508.0	504.3	501.1	497.6	498.5	501.2	509.2	517.5	525.8	531.3
51°	503.3	499.7	496.0	493.0	490.4	490.5	493.1	498.1	509.3	517.7	523.5
51.5°	495.6	491.7	487.7	484.4	481.7	482.0	485.3	491.7	500.8	509.2	515.7
52°	486.7	483.8	479.8	476.9	473.8	474.2	477.0	481.6	492.8	501.5	507.5
52.5°	478.7	475.5	471.3	468.4	465.5	466.0	468.9	474.1	484.2	492.8	499.0
53°	469.8	467.5	463.6	460.7	457.4	458.1	460.7	467.9	476.6	484.8	490.5
53.5°	447.6	459.3	455.7	451.3	449.0	449.8	452.6	458.7	467.7	476.5	482.6
54°	454.6	451.6	447.5	442.2	441.3	442.2	444.9	452.0	460.1	468.4	474.5
54.5°	446.1	443.5	439.6	438.0	434.1	434.2	437.1	444.6	451.9	460.2	466.0
55°	438.1	435.7	431.6	428.9	425.2	426.6	429.0	434.4	443.8	452.2	458.4
55.5°	431.3	427.9	423.9	420.8	417.0	418.5	421.2	428.2	435.9	444.2	450.5
56°	421.8	420.0	415.9	412.4	410.2	410.5	413.7	419.9	427.8	436.4	441.8
56.5°	415.0	412.0	408.3	404.9	403.0	403.1	405.9	412.2	420.2	428.2	434.0
57°	406.8	404.2	400.4	398.6	396.8	395.1	398.0	404.5	412.2	420.5	425.7
57.5°	400.7	396.1	392.6	389.7	387.8	387.8	390.9	396.7	404.4	412.3	417.9
58°	391.9	388.7	385.0	382.0	381.3	379.9	383.2	388.7	396.8	404.2	410.0
58.5°	384.1	381.2	377.7	374.8	374.8	372.8	375.5	381.1	388.8	396.6	402.1
59°	376.2	373.4	370.0	366.3	360.0	365.1	368.2	373.9	381.4	388.9	394.2
59.5°	368.5	365.7	362.7	359.8	357.0	357.9	361.3	366.3	373.8	381.0	386.3
60°	360.6	357.8	355.0	352.8	350.4	350.4	353.3	358.6	366.2	373.1	378.0
60.5°	355.4	350.8	348.0	344.9	342.8	343.3	346.4	351.7	358.8	365.4	370.6
61°	345.1	343.3	340.4	337.6	335.9	336.2	339.0	344.2	351.2	358.4	362.5
61.5°	340.3	336.0	333.2	331.1	328.6	329.2	331.6	337.2	343.6	350.4	355.2
62°	330.4	328.2	325.4	323.1	321.5	322.2	324.8	329.5	336.0	343.0	347.4
62.5°	322.7	320.9	318.4	316.6	315.7	314.9	317.5	322.4	328.8	335.2	339.3
63°	315.8	313.6	311.4	308.9	307.3	308.3	310.6	315.0	321.8	327.9	331.6
63.5°	308.0	306.5	304.4	301.8	300.9	301.0	303.7	308.0	314.5	320.7	324.6
64°	301.0	299.4	297.3	295.2	293.9	294.5	296.8	301.1	307.0	313.0	316.8
64.5°	293.2	292.1	290.3	288.1	287.7	287.7	290.2	294.2	300.0	305.7	309.3
65°	286.1	284.9	283.3	282.0	281.0	281.2	283.3	287.7	293.3	298.7	302.0
65.5°	279.2	277.9	276.4	275.4	273.9	274.1	276.3	280.7	286.3	291.1	294.4
66°	272.0	270.9	269.3	267.9	267.0	267.9	269.7	274.0	279.1	283.8	287.2



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	250.8	250.1	249.3	248.5	248.3	248.6	250.3	253.9	258.7	262.9	264.5
68°	244.2	243.5	242.8	242.7	241.6	242.0	243.9	247.3	252.0	256.0	258.2
68.5°	236.5	236.7	236.5	235.5	235.1	235.8	237.5	241.1	245.3	248.9	250.6
69°	229.8	229.9	229.5	229.1	228.8	229.6	231.3	234.6	238.7	242.0	243.2
69.5°	222.6	223.3	223.2	222.9	223.0	223.4	225.2	228.3	232.3	235.4	236.3
70°	217.0	216.8	216.9	216.6	216.4	217.2	219.0	222.0	225.5	228.5	229.7
70.5°	208.8	210.4	210.7	210.4	210.0	211.2	213.4	216.0	219.1	221.8	222.4
71°	202.1	203.9	204.3	204.7	204.8	205.5	207.1	209.5	212.6	215.2	216.2
71.5°	196.2	197.4	198.1	198.3	198.9	199.4	201.3	203.5	206.7	208.6	208.9
72°	189.7	190.9	191.8	192.2	192.7	193.6	195.1	197.5	200.1	202.0	202.6
72.5°	182.9	184.8	185.9	186.8	187.1	187.7	189.2	191.4	194.1	195.7	195.7
73°	176.3	178.6	179.9	180.9	180.8	182.1	183.7	185.4	187.8	189.3	189.3
73.5°	170.5	172.5	174.0	175.0	175.8	176.3	177.7	179.7	181.9	183.0	182.2
74°	164.5	166.9	168.4	169.2	170.6	170.9	172.0	173.9	175.9	176.8	176.1
74.5°	158.5	161.3	162.9	163.8	165.3	165.7	166.7	168.2	169.8	170.6	169.9
75°	152.6	155.7	157.3	158.5	159.9	160.4	161.4	162.9	164.3	164.7	163.7
75.5°	146.5	150.1	151.7	153.2	154.5	155.2	156.1	157.6	158.7	158.9	157.5
76°	134.7	144.5	146.1	147.8	149.1	149.9	150.9	152.4	153.2	153.0	151.4
76.5°	134.9	137.9	140.4	142.2	143.7	144.6	145.6	147.1	147.6	147.2	145.2
77°	127.8	132.4	135.1	137.5	138.3	139.6	140.5	141.4	142.0	141.5	139.0
77.5°	122.6	126.2	129.6	132.3	133.3	134.4	135.4	136.1	136.4	135.6	132.8
78°	117.1	120.2	124.2	126.9	128.3	129.4	130.1	130.5	130.9	129.6	126.7
78.5°	111.2	115.6	119.1	121.7	123.3	124.3	125.1	125.6	125.7	124.2	121.1
79°	105.4	111.3	113.9	116.5	118.2	119.5	120.2	120.6	120.0	118.6	115.2
79.5°	100.0	104.8	109.0	111.8	113.5	114.6	115.3	115.7	115.0	113.0	109.1
80°	94.5	100.2	104.0	106.9	109.6	109.9	110.7	110.7	109.9	107.8	103.9
80.5°	90.1	94.8	99.2	102.3	104.3	105.5	105.9	105.9	104.9	102.6	98.2
81°	84.3	89.6	94.5	98.0	99.8	100.9	101.4	101.2	100.0	97.3	93.2
81.5°	79.3	85.1	89.8	93.1	95.1	96.4	96.8	96.4	95.2	92.3	87.5
82°	74.7	81.7	85.3	88.8	91.1	92.1	92.6	91.9	90.4	87.4	82.5
82.5°	70.0	75.8	80.8	84.6	86.4	87.7	87.9	87.6	85.8	82.7	77.4
83°	65.3	71.5	76.4	80.2	82.2	83.5	83.9	83.2	81.4	77.9	72.6
83.5°	61.0	67.2	72.3	75.9	78.3	79.5	79.7	78.9	76.9	73.3	67.9
84°	57.3	63.0	68.2	72.0	74.6	75.5	75.8	74.9	72.7	68.9	63.4
84.5°	52.6	59.2	64.2	68.0	69.8	71.6	71.6	70.7	68.4	64.7	58.8
85°	48.7	55.0	60.2	64.1	66.4	67.7	67.7	66.7	64.4	60.4	54.5
85.5°	44.8	51.1	56.4	60.3	62.7	64.0	64.1	62.9	60.5	56.4	50.4
86°	40.9	47.5	52.8	56.9	59.1	60.4	60.4	59.2	56.5	52.3	46.4
86.5°	37.4	43.8	49.2	53.1	55.6	56.8	56.7	55.8	52.8	48.6	42.9
87°	34.1	40.5	45.8	49.9	52.2	53.4	53.3	52.1	49.3	44.9	39.0
87.5°	30.8	37.2	42.6	46.4	49.0	50.1	50.0	48.6	45.9	41.4	35.3
88°	27.7	34.0	39.3	43.3	45.7	46.8	46.7	45.3	42.5	37.9	32.0
88.5°	24.8	31.1	36.2	40.2	42.7	43.7	43.7	42.2	39.3	34.8	28.8



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	17.7	22.9	27.9	31.8	34.0	35.1	34.9	33.2	30.4	26.0	20.8
90.5°	15.6	20.6	25.4	29.0	31.4	32.4	32.2	30.8	27.7	23.4	18.6
91°	13.4	18.8	23.0	26.6	28.9	29.9	29.7	28.1	25.2	20.9	16.5
91.5°	11.2	16.8	20.8	24.2	26.6	27.5	27.2	25.6	22.8	19.0	14.3
92°	9.6	14.9	19.0	22.1	24.3	25.1	24.9	23.4	20.6	17.1	12.2
92.5°	8.3	13.0	17.2	20.1	22.1	23.1	22.8	21.2	18.8	15.2	10.1
93°	7.1	11.1	15.4	18.4	20.2	21.0	20.7	19.3	17.1	13.3	8.7
93.5°	6.2	9.8	13.7	16.8	18.6	19.2	18.9	17.7	15.3	11.4	7.6
94°	5.4	8.6	11.9	15.2	17.0	17.7	17.4	16.2	13.6	10.0	6.6
94.5°	4.8	7.6	10.7	13.6	15.4	16.2	15.9	14.6	11.9	8.9	5.8
95°	4.4	6.8	9.6	12.0	13.9	14.7	14.5	13.1	10.6	7.9	5.1
95.5°	4.1	6.2	8.6	10.8	12.3	13.2	13.0	11.5	9.5	7.0	4.7
96°	3.8	5.6	7.8	9.8	11.2	11.7	11.5	10.4	8.6	6.4	4.3
96.5°	3.7	5.3	7.1	8.9	10.2	10.7	10.5	9.5	7.8	5.9	4.1
97°	3.6	5.0	6.6	8.2	9.4	9.8	9.6	8.7	7.2	5.5	3.9
97.5°	3.5	4.8	6.2	7.6	8.6	9.0	8.9	8.0	6.7	5.2	3.8
98°	3.4	4.7	6.0	7.2	8.0	8.4	8.2	7.5	6.3	5.0	3.7
98.5°	3.3	4.6	5.8	6.8	7.6	7.9	7.7	7.1	6.1	4.9	3.6
99°	3.3	4.5	5.6	6.6	7.2	7.5	7.4	6.8	5.9	4.7	3.5
99.5°	3.2	4.4	5.5	6.4	7.0	7.2	7.1	6.6	5.7	4.6	3.4
100°	3.2	4.3	5.4	6.3	6.8	7.0	6.9	6.4	5.6	4.5	3.4
100.5°	3.1	4.2	5.2	6.1	6.7	6.9	6.7	6.3	5.5	4.4	3.3
101°	3.1	4.1	5.1	6.0	6.5	6.7	6.6	6.1	5.3	4.3	3.3
101.5°	3.1	4.1	5.0	5.9	6.4	6.6	6.5	6.0	5.2	4.3	3.2
102°	3.1	4.0	4.9	5.7	6.3	6.4	6.3	5.9	5.1	4.2	3.2
102.5°	3.0	4.0	4.9	5.6	6.1	6.3	6.2	5.8	5.0	4.1	3.2
103°	3.0	3.9	4.8	5.5	6.0	6.2	6.1	5.7	5.0	4.1	3.1
103.5°	2.9	3.9	4.7	5.4	5.9	6.1	6.0	5.6	4.9	4.0	3.0
104°	2.9	3.9	4.7	5.4	5.8	6.0	5.9	5.5	4.8	4.0	3.0
104.5°	2.9	3.8	4.6	5.3	5.7	5.9	5.8	5.4	4.8	4.0	2.9
105°	2.9	3.8	4.6	5.2	5.7	5.8	5.7	5.3	4.7	3.9	2.9
105.5°	2.9	3.7	4.5	5.2	5.6	5.7	5.6	5.2	4.6	3.8	2.9
106°	2.9	3.6	4.5	5.1	5.5	5.6	5.5	5.2	4.6	3.8	2.9
106.5°	2.9	3.6	4.4	5.1	5.4	5.6	5.5	5.1	4.6	3.7	2.9
107°	2.9	3.6	4.4	5.0	5.4	5.5	5.4	5.1	4.5	3.7	2.8
107.5°	2.8	3.6	4.3	5.0	5.3	5.4	5.4	5.0	4.4	3.6	2.8
108°	2.8	3.6	4.3	4.9	5.3	5.4	5.3	5.0	4.3	3.6	2.8
108.5°	2.8	3.5	4.2	4.9	5.3	5.4	5.3	4.9	4.3	3.6	2.8
109°	2.8	3.5	4.2	4.8	5.2	5.3	5.2	4.8	4.2	3.6	2.7
109.5°	2.8	3.5	4.1	4.7	5.1	5.2	5.1	4.7	4.2	3.6	2.7
110°	2.8	3.5	4.1	4.7	5.0	5.2	5.1	4.7	4.2	3.5	2.7
110.5°	2.8	3.5	4.1	4.6	5.0	5.1	5.0	4.6	4.1	3.5	2.6
111°	2.7	3.5	4.1	4.6	4.9	5.0	4.9	4.6	4.1	3.5	2.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.6	3.4	4.0	4.5	4.7	4.8	4.7	4.5	4.0	3.3	2.4
113°	2.5	3.4	3.9	4.4	4.7	4.8	4.7	4.4	4.0	3.3	2.3
113.5°	2.4	3.4	3.9	4.4	4.7	4.7	4.7	4.4	3.9	3.2	2.2
114°	2.3	3.3	3.9	4.4	4.6	4.7	4.6	4.4	3.9	3.2	2.2
114.5°	2.2	3.3	3.8	4.3	4.6	4.7	4.6	4.3	3.8	3.2	2.1
115°	2.1	3.2	3.8	4.3	4.6	4.6	4.6	4.3	3.8	3.1	2.0
115.5°	2.1	3.2	3.8	4.3	4.5	4.6	4.5	4.2	3.7	3.0	1.9
116°	2.0	3.1	3.8	4.2	4.5	4.6	4.5	4.2	3.7	2.9	1.9
116.5°	2.0	3.0	3.8	4.2	4.5	4.5	4.4	4.2	3.7	2.8	1.8
117°	2.0	2.9	3.7	4.2	4.4	4.5	4.4	4.1	3.6	2.7	1.8
117.5°	1.9	2.7	3.6	4.1	4.4	4.5	4.4	4.1	3.6	2.7	1.8
118°	1.9	2.6	3.6	4.1	4.3	4.4	4.3	4.0	3.5	2.6	1.7
118.5°	1.9	2.5	3.5	4.1	4.3	4.4	4.3	4.0	3.4	2.5	1.7
119°	1.8	2.5	3.5	4.0	4.2	4.3	4.2	3.9	3.3	2.4	1.7
119.5°	1.8	2.4	3.3	3.9	4.2	4.3	4.2	3.8	3.2	2.3	1.6
120°	1.8	2.3	3.2	3.8	4.1	4.3	4.1	3.7	3.1	2.2	1.6
120.5°	1.6	2.3	3.0	3.7	4.0	4.2	4.1	3.6	3.0	2.2	1.5
121°	1.5	2.2	2.9	3.7	3.9	4.1	3.9	3.5	2.8	2.1	1.4
121.5°	1.5	2.2	2.8	3.6	3.8	3.9	3.8	3.4	2.7	2.0	1.3
122°	1.6	2.2	2.7	3.4	3.8	3.8	3.7	3.3	2.6	2.0	1.3
122.5°	1.6	2.1	2.6	3.2	3.7	3.8	3.7	3.2	2.6	2.0	1.3
123°	1.6	2.1	2.6	3.1	3.5	3.7	3.6	3.1	2.5	1.9	1.3
123.5°	1.6	2.0	2.5	3.0	3.4	3.6	3.4	2.9	2.4	1.9	1.3
124°	1.7	2.0	2.4	2.9	3.2	3.4	3.3	2.8	2.4	1.9	1.4
124.5°	1.7	1.9	2.4	2.8	3.1	3.3	3.1	2.8	2.3	1.8	1.4
125°	1.7	1.8	2.3	2.7	3.0	3.1	3.0	2.7	2.3	1.8	1.4
125.5°	1.7	1.7	2.3	2.7	2.9	3.0	2.9	2.6	2.2	1.6	1.5
126°	1.8	1.6	2.3	2.6	2.8	2.9	2.8	2.6	2.2	1.5	1.5
126.5°	1.8	1.6	2.2	2.5	2.8	2.8	2.7	2.5	2.1	1.5	1.5
127°	1.8	1.6	2.2	2.5	2.7	2.8	2.7	2.4	2.1	1.5	1.6
127.5°	1.9	1.7	2.1	2.4	2.6	2.7	2.6	2.4	2.0	1.5	1.6
128°	1.9	1.7	2.0	2.4	2.6	2.6	2.5	2.3	2.0	1.5	1.6
128.5°	1.9	1.7	1.9	2.3	2.5	2.6	2.5	2.3	1.9	1.6	1.7
129°	1.9	1.7	1.7	2.3	2.4	2.5	2.4	2.2	1.7	1.6	1.7
129.5°	2.0	1.8	1.7	2.2	2.4	2.4	2.4	2.2	1.6	1.6	1.7
130°	2.0	1.8	1.7	2.2	2.3	2.4	2.3	2.1	1.5	1.7	1.8
130.5°	2.0	1.8	1.7	2.1	2.3	2.3	2.3	2.0	1.6	1.7	1.8
131°	2.1	1.9	1.7	1.9	2.2	2.3	2.2	1.9	1.6	1.7	1.8
131.5°	2.1	1.9	1.7	1.7	2.2	2.2	2.1	1.7	1.6	1.8	1.9
132°	2.2	1.9	1.8	1.7	2.0	2.1	2.0	1.6	1.7	1.8	1.9
132.5°	2.2	2.0	1.8	1.7	1.9	2.0	1.9	1.6	1.7	1.8	1.9
133°	2.2	2.0	1.8	1.7	1.7	1.8	1.7	1.6	1.7	1.9	2.0
133.5°	2.3	2.0	1.8	1.7	1.7	1.7	1.6	1.7	1.8	1.9	2.0



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.7	2.1	1.9	1.8	1.7	1.7	1.7	1.8	1.9	2.0	2.2
135.5°	2.9	2.2	2.0	1.8	1.7	1.7	1.7	1.8	1.9	2.1	2.3
136°	2.9	2.2	2.0	1.9	1.8	1.7	1.8	1.8	1.9	2.1	2.5
136.5°	2.8	2.2	2.0	1.9	1.8	1.8	1.8	1.9	2.0	2.1	2.6
137°	2.7	2.3	2.1	2.0	1.8	1.8	1.8	1.9	2.0	2.2	2.6
137.5°	2.6	2.3	2.1	2.0	1.9	1.8	1.9	1.9	2.0	2.2	2.4
138°	2.7	2.4	2.2	2.0	1.9	1.9	1.9	2.0	2.1	2.3	2.3
138.5°	2.7	2.4	2.2	2.1	2.0	1.9	1.9	2.0	2.1	2.3	2.3
139°	2.7	2.5	2.2	2.1	2.0	2.0	2.0	2.0	2.2	2.3	2.3
139.5°	2.7	2.6	2.3	2.1	2.0	2.0	2.0	2.1	2.2	2.4	2.3
140°	2.6	2.8	2.3	2.2	2.1	2.0	2.1	2.1	2.2	2.5	2.3
140.5°	2.6	3.0	2.3	2.2	2.1	2.1	2.1	2.2	2.3	2.7	2.3
141°	2.7	3.0	2.4	2.2	2.1	2.1	2.1	2.2	2.3	2.9	2.4
141.5°	2.7	3.0	2.4	2.3	2.2	2.1	2.2	2.2	2.4	2.9	2.4
142°	2.7	2.8	2.5	2.3	2.2	2.2	2.2	2.3	2.4	2.8	2.4
142.5°	2.7	2.7	2.6	2.4	2.3	2.2	2.2	2.3	2.5	2.7	2.4
143°	2.7	2.7	2.7	2.4	2.3	2.3	2.3	2.3	2.6	2.6	2.4
143.5°	2.7	2.7	2.9	2.4	2.3	2.3	2.3	2.4	2.7	2.6	2.5
144°	2.7	2.8	3.0	2.5	2.4	2.3	2.3	2.4	2.9	2.6	2.5
144.5°	2.7	2.8	3.0	2.6	2.4	2.4	2.4	2.5	3.0	2.6	2.5
145°	2.7	2.7	2.9	2.7	2.5	2.4	2.4	2.6	2.9	2.6	2.5
145.5°	2.7	2.7	2.8	2.9	2.5	2.4	2.5	2.7	2.8	2.6	2.5
146°	2.6	2.7	2.7	3.1	2.6	2.5	2.6	2.9	2.7	2.6	2.5
146.5°	2.6	2.8	2.8	3.2	2.7	2.6	2.7	3.0	2.7	2.6	2.4
147°	2.6	2.8	2.8	3.1	3.0	2.8	2.9	3.0	2.7	2.7	2.4
147.5°	2.5	2.8	2.8	2.9	3.1	3.0	3.0	2.8	2.7	2.7	2.4
148°	2.5	2.8	2.7	2.8	3.1	3.1	3.0	2.7	2.7	2.7	2.4
148.5°	2.5	2.8	2.7	2.8	2.9	3.1	2.9	2.7	2.7	2.7	2.4
149°	2.4	2.8	2.7	2.8	2.8	2.9	2.7	2.7	2.7	2.7	2.4
149.5°	2.4	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.4
150°	2.4	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.4
150.5°	2.4	2.7	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.4
151°	2.4	2.6	2.8	2.7	2.8	2.8	2.7	2.7	2.7	2.6	2.4
151.5°	2.4	2.6	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.6	2.4
152°	2.4	2.5	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.6	2.4
152.5°	2.4	2.5	2.7	2.8	2.7	2.7	2.7	2.8	2.7	2.6	2.4
153°	2.4	2.5	2.7	2.8	2.8	2.7	2.8	2.8	2.7	2.5	2.5
153.5°	2.5	2.4	2.6	2.8	2.8	2.8	2.8	2.8	2.7	2.5	2.5
154°	2.5	2.4	2.6	2.7	2.8	2.8	2.8	2.7	2.6	2.5	2.5
154.5°	2.6	2.4	2.6	2.7	2.8	2.8	2.8	2.7	2.6	2.5	2.5
155°	2.6	2.4	2.5	2.7	2.7	2.8	2.7	2.7	2.6	2.5	2.6
155.5°	2.6	2.4	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.5	2.6
156°	2.6	2.4	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.5	2.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.7	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.7
158°	2.6	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.7
158.5°	2.5	2.6	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.7	2.7
159°	2.5	2.6	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.7	2.7
159.5°	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.5	2.6	2.7	2.7
160°	2.7	2.6	2.6	2.5	2.4	2.4	2.4	2.5	2.6	2.7	2.7
160.5°	2.7	2.5	2.6	2.5	2.4	2.4	2.5	2.5	2.6	2.8	2.8
161°	2.7	2.4	2.6	2.5	2.5	2.5	2.5	2.5	2.7	2.8	2.8
161.5°	2.7	2.5	2.6	2.6	2.5	2.5	2.5	2.6	2.7	2.8	2.8
162°	2.6	2.7	2.6	2.6	2.5	2.5	2.5	2.6	2.7	2.8	2.8
162.5°	2.3	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.8	2.8
163°	2.2	2.7	2.7	2.7	2.6	2.6	2.6	2.7	2.8	2.8	2.8
163.5°	2.4	2.8	2.4	2.7	2.6	2.6	2.7	2.7	2.8	2.8	2.8
164°	2.6	2.8	2.4	2.7	2.7	2.7	2.7	2.7	2.8	2.9	2.8
164.5°	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.8
165°	2.6	2.5	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.8
165.5°	2.6	2.1	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.7
166°	2.6	2.2	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.7
166.5°	2.6	2.5	2.8	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.7
167°	2.6	2.7	2.8	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.7
167.5°	2.5	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7
168°	2.4	2.6	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7
168.5°	2.3	2.5	2.1	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7
169°	1.9	2.4	2.1	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.6
169.5°	1.8	2.3	2.3	2.7	2.6	2.8	2.8	2.8	2.8	2.8	2.6
170°	1.8	2.0	2.4	2.7	2.5	2.8	2.8	2.8	2.8	2.7	2.4
170.5°	1.8	1.8	2.4	2.5	2.6	2.8	2.8	2.8	2.8	2.7	2.4
171°	1.7	1.8	2.2	2.4	2.7	2.7	2.8	2.7	2.7	2.6	2.4
171.5°	1.7	1.8	1.8	2.0	2.6	2.7	2.7	2.7	2.7	2.6	2.3
172°	1.7	1.8	1.8	1.8	2.5	2.7	2.7	2.7	2.7	2.6	2.3
172.5°	1.7	1.8	1.8	1.8	2.4	2.6	2.7	2.7	2.6	2.6	2.3
173°	1.7	1.7	1.8	1.8	2.4	2.4	2.7	2.6	2.6	2.5	2.2
173.5°	1.7	1.7	1.8	1.8	2.3	2.4	2.6	2.6	2.6	2.4	2.2
174°	1.6	1.7	1.7	1.8	2.1	2.3	2.5	2.5	2.5	2.2	2.1
174.5°	1.7	1.7	1.7	1.8	1.8	2.2	2.5	2.5	2.5	2.2	1.8
175°	1.7	1.7	1.7	1.7	1.7	2.2	2.3	2.5	2.3	2.1	1.6
175.5°	1.7	1.7	1.7	1.7	1.7	2.0	2.2	2.4	2.1	2.0	1.7
176°	1.7	1.7	1.6	1.7	1.7	1.7	2.1	2.3	2.1	1.7	1.6
176.5°	1.7	1.7	1.6	1.6	1.6	1.6	2.1	2.0	2.0	1.6	1.6
177°	1.7	1.6	1.6	1.6	1.6	1.6	1.9	1.8	1.8	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.7	1.8	1.6	1.6
178°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6
178.5°	1.8	1.7	1.7	1.6	1.6	1.5	1.3	1.5	1.4	1.6	1.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1042.1	1042.1	1042.1	1042.1
0.5°	1042.7	1040.8	1037.6	1042.1
1°	1042.0	1041.3	1044.4	1042.8
1.5°	1042.8	1040.7	1041.8	1041.5
2°	1042.0	1040.7	1041.5	1041.8
2.5°	1042.4	1040.0	1042.7	1041.1
3°	1041.4	1040.1	1040.8	1042.3
3.5°	1041.7	1039.4	1040.9	1041.4
4°	1040.4	1038.3	1042.2	1040.6
4.5°	1039.4	1039.3	1038.7	1038.9
5°	1039.5	1037.6	1039.5	1038.9
5.5°	1038.3	1036.7	1036.8	1037.5
6°	1038.0	1037.2	1038.6	1036.5
6.5°	1035.5	1033.8	1035.8	1034.1
7°	1033.9	1033.0	1034.7	1034.3
7.5°	1032.2	1032.5	1034.0	1032.2
8°	1030.8	1029.1	1031.1	1030.3
8.5°	1029.5	1028.4	1029.1	1028.7
9°	1028.0	1026.5	1027.2	1027.6
9.5°	1025.5	1025.7	1027.1	1024.0
10°	1023.7	1022.5	1026.5	1024.8
10.5°	1021.8	1020.2	1014.3	1021.6
11°	1019.1	1018.6	1018.6	1018.5
11.5°	1017.1	1014.7	1020.8	1017.7
12°	1014.4	1012.9	1021.1	1013.5
12.5°	1011.4	1010.7	1007.3	1010.5
13°	1009.6	1008.1	1008.4	1007.2
13.5°	1006.0	1005.5	1008.8	1006.0
14°	1003.3	1001.0	1002.8	1001.1
14.5°	1000.2	999.0	1002.6	997.7
15°	996.2	996.2	999.8	999.1
15.5°	993.4	991.6	988.8	991.6
16°	990.3	988.1	987.7	989.5
16.5°	987.2	984.9	991.4	983.1
17°	982.8	980.0	981.5	983.0
17.5°	978.3	977.3	981.2	978.0
18°	975.4	974.3	976.8	974.7
18.5°	971.6	968.4	970.5	970.3
19°	966.7	966.7	966.8	965.7
19.5°	962.5	960.4	962.5	961.2
20°	958.5	955.9	959.4	957.9
20.5°	954.5	952.8	953.2	952.6
21°	949.4	949.2	950.7	948.5



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	935.1	933.1	940.1	934.3
23°	930.0	928.9	930.3	929.7
23.5°	925.0	924.9	928.4	928.1
24°	918.8	917.4	918.6	920.2
24.5°	914.0	913.2	914.2	926.5
25°	908.3	906.6	908.0	909.9
25.5°	903.0	902.2	903.7	901.9
26°	897.4	894.6	898.2	895.8
26.5°	892.6	892.3	891.8	891.2
27°	886.6	885.7	887.2	884.2
27.5°	880.5	878.9	881.0	878.2
28°	874.5	873.4	874.4	875.4
28.5°	867.9	867.1	868.9	874.6
29°	862.1	860.6	862.9	856.7
29.5°	855.6	855.6	856.5	856.1
30°	848.9	848.0	849.5	847.4
30.5°	842.8	842.7	843.1	842.4
31°	836.4	836.2	837.1	833.5
31.5°	829.5	827.9	830.6	829.4
32°	822.9	823.3	823.7	819.0
32.5°	816.1	816.9	817.3	817.3
33°	809.6	807.0	810.0	807.8
33.5°	802.7	802.9	803.6	800.0
34°	795.1	796.3	796.5	792.6
34.5°	788.1	788.6	789.5	789.4
35°	781.0	781.4	782.3	781.0
35.5°	774.2	774.1	774.3	773.0
36°	766.6	767.0	770.7	766.6
36.5°	759.4	758.7	759.3	758.9
37°	751.7	751.8	753.4	751.9
37.5°	744.2	743.9	744.9	742.1
38°	736.7	736.7	738.5	732.1
38.5°	729.7	729.8	728.4	725.5
39°	721.8	722.8	722.8	718.0
39.5°	714.1	713.6	714.3	714.9
40°	705.8	706.4	708.7	708.7
40.5°	698.4	699.2	700.7	699.2
41°	690.3	691.4	692.1	689.6
41.5°	682.8	683.9	685.0	688.6
42°	675.4	675.8	677.6	674.7
42.5°	667.2	666.7	667.0	666.1
43°	658.9	659.5	661.4	658.6
43.5°	651.0	651.6	652.7	650.5



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	626.6	626.6	628.3	626.9
45.5°	618.9	618.8	620.1	619.1
46°	610.3	611.0	612.9	607.4
46.5°	602.2	603.0	603.9	602.8
47°	594.2	593.9	596.6	595.1
47.5°	585.9	586.8	587.7	585.4
48°	577.8	579.2	579.9	575.2
48.5°	569.6	571.5	571.0	568.4
49°	561.3	562.5	563.1	564.0
49.5°	553.2	554.3	555.5	551.9
50°	544.6	545.9	546.2	545.8
50.5°	536.8	538.5	537.9	538.9
51°	528.6	529.5	530.0	528.4
51.5°	520.7	522.0	521.9	520.0
52°	511.9	513.3	514.1	512.0
52.5°	503.7	505.3	505.3	504.1
53°	495.9	496.8	497.6	494.8
53.5°	487.7	489.0	489.2	487.1
54°	479.1	480.4	481.0	479.1
54.5°	471.1	472.4	472.5	470.3
55°	463.1	463.8	464.5	462.9
55.5°	455.4	456.0	456.8	454.5
56°	446.5	447.6	448.6	446.0
56.5°	438.7	439.4	440.2	437.9
57°	430.5	431.3	432.2	428.7
57.5°	422.3	423.6	422.9	421.2
58°	414.4	415.4	415.8	414.2
58.5°	406.3	407.5	407.4	405.1
59°	398.3	399.1	399.6	398.5
59.5°	390.2	391.0	391.3	388.8
60°	382.3	383.3	383.2	381.2
60.5°	374.5	375.2	375.3	372.8
61°	366.6	367.3	367.6	365.7
61.5°	359.0	359.0	359.9	357.8
62°	350.8	351.7	351.7	348.8
62.5°	342.9	343.5	343.2	341.2
63°	335.0	335.6	335.1	333.1
63.5°	327.3	327.6	327.7	325.3
64°	319.5	319.5	319.0	316.9
64.5°	312.0	312.1	311.7	309.3
65°	304.4	304.8	303.7	301.3
65.5°	296.7	296.5	295.7	293.5
66°	289.2	289.0	289.0	285.9



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	266.7	266.0	265.0	262.2
68°	259.4	258.3	257.4	254.9
68.5°	252.0	251.1	249.7	246.3
69°	244.7	243.1	241.8	238.8
69.5°	237.4	236.0	234.3	231.4
70°	230.1	228.2	226.6	224.2
70.5°	222.9	221.1	219.1	216.1
71°	215.7	213.8	211.7	208.4
71.5°	208.7	206.9	204.4	201.1
72°	201.7	199.0	197.0	193.8
72.5°	194.5	192.2	189.3	186.7
73°	187.7	184.8	182.4	179.3
73.5°	180.9	177.9	175.3	171.9
74°	174.2	171.2	168.3	164.7
74.5°	167.7	164.4	161.3	157.5
75°	161.3	157.7	154.3	150.3
75.5°	154.8	150.9	147.3	143.2
76°	148.4	144.1	140.3	136.4
76.5°	141.9	137.4	133.5	129.1
77°	135.7	131.0	126.9	122.4
77.5°	129.2	124.4	120.3	116.4
78°	123.0	117.9	113.6	109.2
78.5°	116.9	111.7	107.3	102.4
79°	110.7	105.4	100.6	96.6
79.5°	104.7	98.9	94.2	90.0
80°	98.9	93.1	88.1	83.7
80.5°	93.1	87.1	81.9	77.6
81°	87.6	81.2	75.9	71.6
81.5°	82.1	75.7	70.2	66.2
82°	76.6	70.0	64.4	60.9
82.5°	71.4	64.7	59.1	55.6
83°	66.2	59.5	53.7	50.3
83.5°	61.4	54.3	48.4	45.0
84°	56.8	49.6	43.7	40.1
84.5°	52.0	44.8	38.8	35.2
85°	47.8	40.2	34.2	30.8
85.5°	43.5	36.1	30.0	26.4
86°	39.4	32.0	25.9	22.4
86.5°	35.5	28.0	22.5	18.6
87°	31.9	24.5	19.2	15.0
87.5°	28.4	21.6	15.8	11.7
88°	25.1	18.7	12.5	8.5
88.5°	22.0	15.8	9.2	6.8



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	14.8	8.0	3.3	1.9
90.5°	12.4	6.3	2.2	0.3
91°	10.0	4.9	1.5	0.2
91.5°	8.3	3.8	1.0	0.2
92°	6.9	3.0	0.8	0.2
92.5°	5.7	2.4	0.7	0.2
93°	4.8	2.1	0.6	0.1
93.5°	4.1	1.9	0.6	0.1
94°	3.6	1.7	0.6	0.1
94.5°	3.3	1.6	0.5	0.1
95°	3.0	1.6	0.5	0.2
95.5°	2.9	1.5	0.5	0.2
96°	2.7	1.5	0.5	0.2
96.5°	2.6	1.4	0.5	0.2
97°	2.6	1.4	0.5	0.3
97.5°	2.5	1.4	0.5	0.3
98°	2.4	1.3	0.4	0.3
98.5°	2.4	1.3	0.4	0.4
99°	2.4	1.3	0.4	0.4
99.5°	2.3	1.3	0.4	0.4
100°	2.3	1.3	0.4	0.5
100.5°	2.2	1.3	0.5	0.5
101°	2.2	1.2	0.5	0.6
101.5°	2.2	1.2	0.5	0.6
102°	2.1	1.2	0.6	0.7
102.5°	2.1	1.2	0.6	0.7
103°	2.1	1.2	0.6	0.8
103.5°	2.1	1.2	0.7	0.8
104°	2.1	1.1	0.7	0.9
104.5°	2.1	1.0	0.8	0.9
105°	2.0	1.0	0.8	0.9
105.5°	2.0	1.0	0.8	0.9
106°	2.0	1.0	0.8	1.0
106.5°	1.9	1.0	0.9	1.0
107°	1.9	1.0	0.9	1.1
107.5°	1.9	1.0	0.9	1.1
108°	1.8	0.9	1.0	1.2
108.5°	1.8	1.0	1.0	1.3
109°	1.8	1.0	1.1	1.4
109.5°	1.7	1.0	1.1	1.4
110°	1.6	1.0	1.1	1.5
110.5°	1.6	1.1	1.2	1.5
111°	1.6	1.1	1.2	1.6



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.5	1.2	1.3	1.6
113°	1.5	1.3	1.3	1.7
113.5°	1.4	1.3	1.4	1.7
114°	1.4	1.3	1.4	1.7
114.5°	1.3	1.4	1.4	1.8
115°	1.2	1.4	1.5	1.8
115.5°	1.1	1.4	1.5	1.8
116°	1.1	1.4	1.6	1.8
116.5°	1.1	1.4	1.6	1.8
117°	1.1	1.4	1.6	1.8
117.5°	1.2	1.4	1.6	1.7
118°	1.2	1.4	1.6	1.7
118.5°	1.2	1.5	1.6	1.7
119°	1.3	1.5	1.6	1.7
119.5°	1.3	1.5	1.6	1.7
120°	1.3	1.5	1.6	1.7
120.5°	1.4	1.6	1.7	1.7
121°	1.4	1.6	1.7	1.7
121.5°	1.4	1.6	1.8	1.8
122°	1.5	1.7	1.8	1.8
122.5°	1.5	1.7	1.8	1.8
123°	1.5	1.7	1.8	1.8
123.5°	1.6	1.7	1.9	1.8
124°	1.6	1.8	1.9	1.8
124.5°	1.6	1.8	1.9	1.8
125°	1.7	1.8	1.9	1.8
125.5°	1.7	1.9	1.9	1.9
126°	1.7	1.9	1.9	1.9
126.5°	1.8	1.9	1.9	1.9
127°	1.8	1.9	2.0	1.9
127.5°	1.8	2.0	2.0	1.9
128°	1.9	2.0	2.0	1.9
128.5°	1.9	2.0	2.0	1.9
129°	1.9	2.0	2.0	1.9
129.5°	1.9	2.0	2.0	1.9
130°	1.9	2.0	2.0	1.9
130.5°	1.9	2.0	2.0	2.0
131°	2.0	2.0	2.0	2.0
131.5°	2.0	2.0	2.0	2.0
132°	2.0	2.1	2.1	2.0
132.5°	2.0	2.1	2.1	2.0
133°	2.0	2.1	2.1	2.1
133.5°	2.1	2.1	2.1	2.1



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.1	2.2	2.1	2.1
135.5°	2.2	2.2	2.1	2.1
136°	2.2	2.2	2.1	2.1
136.5°	2.2	2.3	2.1	2.1
137°	2.2	2.3	2.1	2.1
137.5°	2.2	2.3	2.2	2.1
138°	2.3	2.4	2.2	2.1
138.5°	2.3	2.4	2.2	2.1
139°	2.3	2.4	2.2	2.2
139.5°	2.3	2.5	2.2	2.2
140°	2.3	2.5	2.2	2.2
140.5°	2.3	2.5	2.2	2.2
141°	2.3	2.6	2.2	2.2
141.5°	2.3	2.6	2.2	2.2
142°	2.3	2.7	2.2	2.3
142.5°	2.3	2.7	2.3	2.3
143°	2.3	2.7	2.3	2.3
143.5°	2.3	2.7	2.3	2.3
144°	2.4	2.7	2.3	2.3
144.5°	2.4	2.8	2.3	2.3
145°	2.4	2.8	2.3	2.3
145.5°	2.5	2.8	2.3	2.3
146°	2.5	2.8	2.3	2.3
146.5°	2.6	2.8	2.3	2.3
147°	2.6	2.8	2.3	2.3
147.5°	2.6	2.8	2.3	2.3
148°	2.6	2.8	2.3	2.3
148.5°	2.7	2.8	2.3	2.3
149°	2.7	2.8	2.3	2.2
149.5°	2.7	2.8	2.3	2.2
150°	2.7	2.8	2.3	2.2
150.5°	2.8	2.8	2.3	2.2
151°	2.8	2.8	2.2	2.2
151.5°	2.8	2.8	2.2	2.3
152°	2.8	2.8	2.2	2.2
152.5°	2.8	2.8	2.2	2.2
153°	2.8	2.8	2.2	2.2
153.5°	2.8	2.8	2.2	2.2
154°	2.8	2.8	2.2	2.2
154.5°	2.9	2.8	2.2	2.2
155°	2.9	2.8	2.2	2.2
155.5°	2.9	2.8	2.2	2.3
156°	2.9	2.8	2.2	2.3



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	2.9	2.7	2.2	2.2
158°	2.9	2.7	2.2	2.2
158.5°	2.8	2.7	2.2	2.2
159°	2.8	2.7	2.1	2.2
159.5°	2.8	2.7	2.1	2.2
160°	2.8	2.7	2.1	2.3
160.5°	2.8	2.7	2.2	2.3
161°	2.8	2.7	2.2	2.3
161.5°	2.8	2.7	2.2	2.2
162°	2.8	2.7	2.1	2.1
162.5°	2.8	2.7	2.1	2.0
163°	2.8	2.7	2.1	2.0
163.5°	2.8	2.6	2.2	2.0
164°	2.7	2.6	2.2	1.9
164.5°	2.7	2.6	2.2	1.9
165°	2.7	2.6	2.1	1.9
165.5°	2.7	2.5	2.1	1.9
166°	2.7	2.5	2.1	1.9
166.5°	2.6	2.4	2.1	1.9
167°	2.6	2.4	2.1	1.7
167.5°	2.6	2.4	2.1	1.6
168°	2.6	2.3	2.1	1.5
168.5°	2.5	2.2	1.8	1.5
169°	2.3	2.0	1.7	1.5
169.5°	2.3	1.7	1.6	1.5
170°	2.3	1.6	1.6	1.5
170.5°	2.2	1.7	1.6	1.5
171°	2.2	1.7	1.6	1.5
171.5°	2.1	1.6	1.7	1.5
172°	1.9	1.7	1.7	1.5
172.5°	1.7	1.6	1.6	1.5
173°	1.6	1.6	1.6	1.5
173.5°	1.6	1.6	1.6	1.5
174°	1.6	1.6	1.6	1.5
174.5°	1.6	1.6	1.6	1.5
175°	1.6	1.6	1.6	1.5
175.5°	1.6	1.6	1.6	1.5
176°	1.6	1.6	1.6	1.6
176.5°	1.6	1.6	1.6	1.6
177°	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	1.6	1.6
178°	1.6	1.6	1.6	1.6
178.5°	1.6	1.6	1.7	2.0



TEST NUMBER: P563517

CATALOG NUMBER: 2NWS23C3-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.2	2.2	2.2	2.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°







21.5°	943.2	944.5	932.1	948.2	938.4	936.4	934.1	933.8	930.6	927.9	925.5
22°	938.7	928.4	929.4	942.9	933.7	931.2	928.9	926.1	924.9	922.0	921.4



44°	642.1	641.6	636.2	644.5	632.0	625.5	617.4	610.4	603.2	599.2	597.3
44.5°	635.1	633.3	626.5	636.4	623.9	616.6	608.7	601.9	595.1	590.6	589.0



66.5°	277.5	277.1	273.9	279.7	272.0	267.9	262.3	258.4	254.2	251.7	251.2
67°	269.7	269.4	266.4	270.7	264.7	260.6	255.6	252.0	247.5	245.2	244.3



89°	5.2	5.8	9.9	16.4	22.8	28.6	33.2	36.6	38.4	38.9	38.0
89.5°	3.6	4.4	8.0	14.2	20.4	26.1	30.7	34.1	35.9	36.3	35.4



111.5°	1.6	1.6	1.3	1.2	1.5	1.5	1.6	1.8	2.0	2.1	2.0
112°	1.6	1.6	1.3	1.2	1.5	1.5	1.6	1.7	1.9	2.0	1.9



134°	2.1	2.2	2.1	2.5	3.3	2.4	2.3	2.2	2.1	2.1	2.1
134.5°	2.1	2.2	2.1	2.5	3.3	2.5	2.3	2.2	2.2	2.1	2.2



156.5°	2.3	2.1	2.5	2.6	2.5	2.3	2.1	2.2	2.3	2.4	2.3
157°	2.3	2.1	2.5	2.6	2.6	2.4	2.2	2.1	2.2	2.3	2.2



179°	2.2	2.2	2.1	1.9	1.7	1.6	1.6	1.3	1.5	1.3	1.4
179.5°	2.2	2.2	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.2	1.2





21.5°	924.2	919.9	926.1	922.7	923.2	923.1	922.3	924.0	930.9	919.1	932.3
22°	922.0	920.6	919.5	918.6	918.5	916.7	919.3	918.3	917.9	911.0	930.5



44°	600.4	604.3	608.3	613.8	613.9	613.4	614.3	614.8	617.3	611.8	624.6
44.5°	591.8	597.2	602.4	604.3	606.5	605.8	606.3	607.1	607.5	604.0	615.7



66.5°	252.7	255.4	258.2	259.5	260.1	258.9	258.2	259.1	259.8	260.3	266.7
67°	246.1	248.5	251.2	252.3	252.6	251.5	250.6	251.7	252.2	253.1	259.6



89°	36.0	32.6	27.8	21.8	15.2	8.8	4.5	1.7	4.2	9.0	16.2
89.5°	33.5	30.1	25.4	19.5	13.2	7.1	3.2	0.2	2.8	7.2	13.6



111.5°	1.9	1.6	1.6	1.5	1.4	1.4	1.8	1.7	1.6	1.4	1.7
112°	1.8	1.7	1.6	1.5	1.4	1.5	1.8	1.7	1.6	1.5	1.7



134°	2.2	2.3	2.4	3.2	2.5	2.1	2.3	2.1	2.0	2.1	2.4
134.5°	2.2	2.3	2.5	3.3	2.5	2.2	2.3	2.1	2.1	2.1	2.5



156.5°	2.2	2.1	2.3	2.5	2.6	2.6	2.3	2.3	2.1	2.6	2.8
157°	2.2	2.2	2.3	2.5	2.6	2.6	2.4	2.2	2.1	2.6	2.7



179°	1.4	1.5	1.9	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3
179.5°	1.2	1.6	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3





21.5°	927.6	927.3	929.5	931.9	931.8	932.9	933.8	934.9	939.8	942.9	941.4
22°	921.8	922.8	924.6	930.2	928.3	933.3	929.4	930.6	935.2	937.8	938.6



44°	616.5	614.5	611.5	610.9	607.0	608.0	610.2	617.0	625.6	633.7	638.5
44.5°	608.7	606.6	603.5	601.6	596.9	598.4	602.3	609.3	618.0	625.5	630.9



66.5°	264.7	264.0	262.8	261.5	260.9	261.2	263.4	267.4	272.5	276.7	280.5
67°	257.8	256.9	255.8	255.7	254.1	255.0	256.7	260.4	265.5	269.7	273.2



89°	22.1	28.1	33.4	37.3	39.7	40.8	40.5	39.0	36.1	31.7	25.8
89.5°	19.9	25.6	30.5	34.4	36.8	37.8	37.7	36.1	33.2	28.8	22.9



111.5°	2.7	3.4	4.0	4.5	4.9	4.9	4.8	4.5	4.1	3.4	2.6
112°	2.7	3.4	4.0	4.5	4.8	4.9	4.8	4.5	4.0	3.4	2.5



134°	2.4	2.1	1.9	1.8	1.7	1.6	1.6	1.7	1.8	2.0	2.0
134.5°	2.5	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.8	2.0	2.1



156.5°	2.7	2.4	2.4	2.5	2.6	2.6	2.6	2.6	2.5	2.6	2.6
157°	2.7	2.4	2.4	2.5	2.6	2.6	2.6	2.5	2.5	2.6	2.7



179°	2.1	2.2	1.7	1.6	1.5	1.4	1.1	1.2	1.3	1.6	1.6
179.5°	2.2	2.2	1.9	1.6	1.2	1.2	1.1	1.0	1.4	1.3	1.7





21.5°	944.7	943.2	946.5	943.2
22°	939.6	939.7	939.9	938.7



44°	642.9	643.5	643.3	642.1
44.5°	635.1	636.2	636.1	635.1



66.5°	281.7	281.6	280.3	277.5
67°	274.3	273.6	272.5	269.7



89°	19.6	12.9	6.8	5.2
89.5°	17.2	10.1	4.8	3.6



111.5°	1.5	1.1	1.2	1.6
112°	1.5	1.2	1.3	1.6



134°	2.1	2.1	2.1	2.1
134.5°	2.1	2.1	2.1	2.1



156.5°	2.9	2.7	2.2	2.3
157°	2.9	2.7	2.2	2.3



179°	1.7	1.9	2.1	2.2
179.5°	1.9	2.1	2.2	2.2



(END OF REPORT)