

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: P563526

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563526
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-UNV-HI-4000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

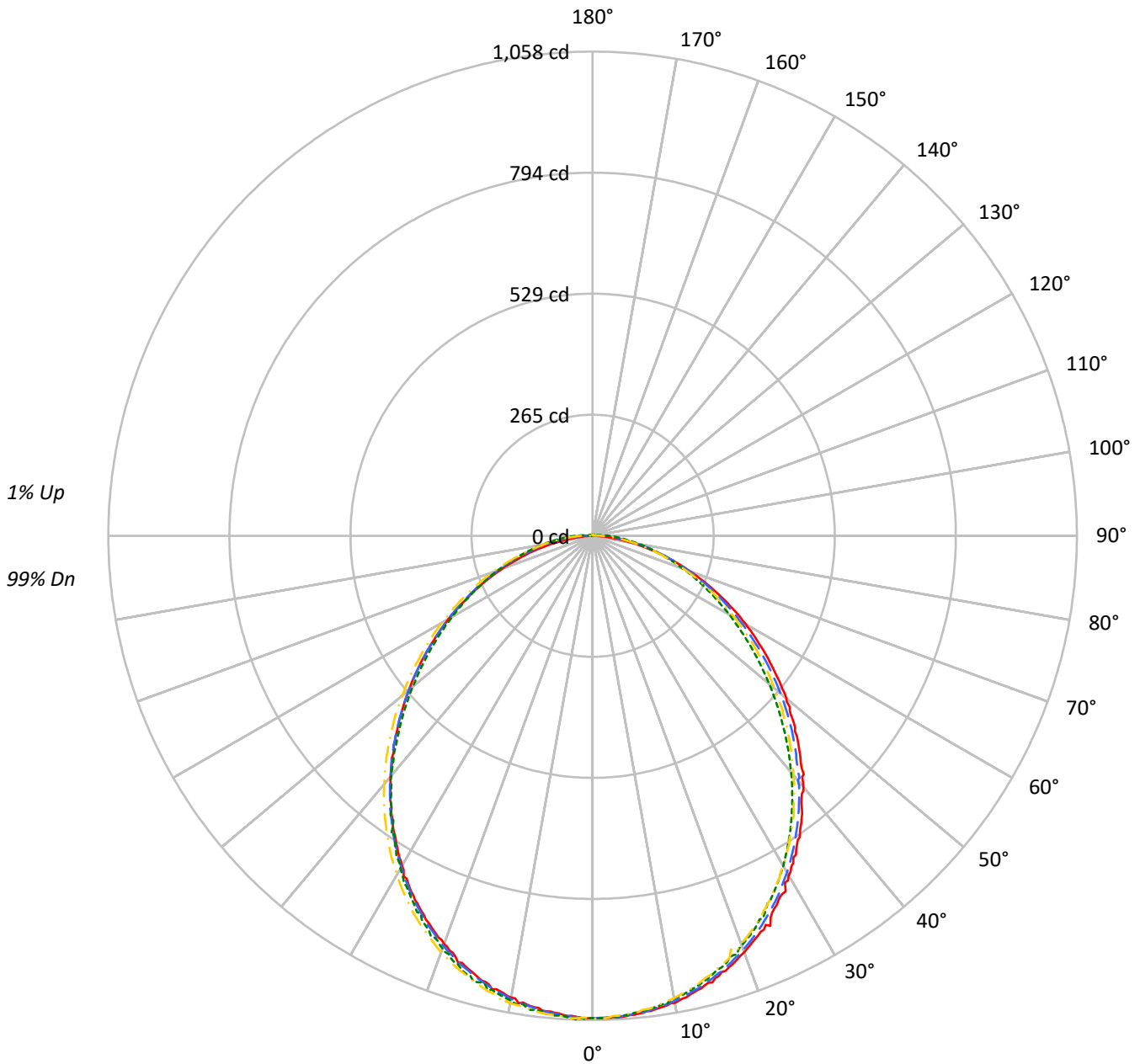
Lumens per Lamp: N/A
Luminaire Lumens: 2679.0 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 21
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°	12812	12812	12812	12812
5°	12774	12566	12692	12577
10°	12701	12270	12557	12322
15°	12577	11941	12360	12076
20°	12346	11541	12097	11625
25°	12109	11072	11788	11192
30°	11749	10547	11414	10636
35°	11390	9930	10971	9961
40°	10991	9252	10536	9367
45°	10466	8522	9984	8646
50°	9948	7780	9443	7926
55°	9368	7043	8862	7212
60°	8744	6327	8252	6505
65°	8049	5630	7515	5835
70°	7236	4934	6684	5154
75°	6182	4220	5682	4482
80°	4794	3471	4250	3773
85°	2942	2823	2394	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	3.7
10°-20°	281.8	10.5
20°-30°	416.6	15.6
30°-40°	481.5	18.0
40°-50°	470.5	17.6
50°-60°	397.9	14.9
60°-70°	287.7	10.7
70°-80°	164.0	6.1
80°-90°	57.5	2.1
90°-100°	9.4	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°	797.9	29.8
0°-40°	1279.4	47.8
0°-60°	2147.8	80.2
0°-90°	2657.0	99.2
90°-120°	14.6	0.5
90°-150°	19.9	0.7
90°-180°	22.0	0.8
0°-180°	2679.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1054	1054	1054	1054	1054	
5°	1051	1047	1044	1048	1051	100
15°	1010	996	993	1008	1010	284
25°	920	898	896	907	920	423
35°	790	757	761	759	790	493
45°	634	589	605	597	634	489
55°	468	421	443	431	468	418
65°	305	274	284	284	305	302
75°	152	153	140	162	152	161
85°	31	64	25	68	31	36
90°	2	34	0	36	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°	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9
0.5°	1053.9	1057.7	1046.4	1067.4	1053.8	1053.6	1054.1	1056.5	1052.8	1054.6	1052.8
1°	1054.6	1056.2	1045.5	1062.2	1053.5	1053.8	1053.7	1057.6	1054.7	1053.8	1052.2
1.5°	1053.3	1055.5	1044.8	1069.3	1053.0	1053.7	1053.2	1058.1	1055.6	1054.1	1051.7
2°	1053.6	1053.1	1044.4	1066.0	1053.3	1052.5	1054.1	1054.8	1053.3	1053.1	1053.7
2.5°	1052.9	1051.3	1044.5	1061.4	1055.1	1052.3	1052.5	1052.6	1052.9	1054.6	1050.5
3°	1054.1	1053.2	1044.5	1061.9	1052.5	1052.6	1052.4	1057.7	1050.9	1050.9	1050.2
3.5°	1053.2	1050.3	1043.2	1060.8	1052.2	1050.9	1051.3	1055.5	1051.9	1050.5	1049.0
4°	1052.4	1057.1	1048.6	1065.7	1051.3	1050.7	1050.2	1051.0	1050.0	1050.0	1049.0
4.5°	1050.6	1052.4	1042.8	1061.9	1050.9	1049.3	1048.7	1051.6	1049.5	1048.2	1048.7
5°	1050.6	1053.8	1041.1	1058.1	1050.0	1048.3	1048.9	1049.0	1047.9	1046.6	1045.1
5.5°	1049.3	1048.6	1041.8	1059.9	1047.7	1046.5	1047.0	1049.3	1047.4	1045.8	1043.7
6°	1048.2	1052.3	1039.3	1054.3	1046.5	1046.2	1046.3	1043.3	1045.6	1043.9	1043.3
6.5°	1045.8	1041.7	1038.0	1055.8	1046.4	1044.9	1044.5	1047.1	1045.3	1042.9	1040.0
7°	1046.1	1049.1	1036.3	1055.0	1044.6	1042.8	1042.9	1054.5	1044.1	1040.9	1040.2
7.5°	1043.9	1043.3	1039.4	1054.5	1042.8	1041.4	1041.2	1037.5	1041.5	1039.3	1037.6
8°	1042.0	1042.5	1033.7	1053.1	1040.2	1039.2	1038.9	1041.6	1038.2	1037.4	1034.0
8.5°	1040.3	1042.0	1030.9	1050.8	1039.0	1037.6	1036.4	1036.4	1038.1	1034.9	1033.0
9°	1039.2	1045.2	1030.9	1047.0	1036.8	1035.9	1035.1	1036.3	1034.2	1036.2	1029.9
9.5°	1035.6	1036.8	1027.5	1042.5	1034.8	1034.0	1033.2	1034.7	1031.4	1028.6	1029.1
10°	1036.4	1035.6	1025.8	1044.9	1032.1	1031.5	1030.9	1029.9	1032.1	1026.8	1027.2
10.5°	1033.2	1032.2	1023.5	1040.4	1029.8	1029.3	1028.1	1026.3	1026.1	1024.8	1024.6
11°	1030.1	1028.5	1023.3	1039.4	1029.2	1026.1	1025.8	1026.8	1025.6	1022.9	1021.8
11.5°	1029.2	1027.1	1019.1	1033.2	1025.2	1023.2	1022.8	1022.7	1021.6	1019.7	1018.9
12°	1025.0	1025.0	1017.4	1031.6	1022.8	1021.3	1020.5	1019.6	1015.9	1017.1	1015.0
12.5°	1022.0	1021.2	1013.1	1030.3	1019.4	1018.1	1016.9	1019.2	1015.3	1013.5	1011.6
13°	1018.6	1021.2	1017.9	1025.0	1016.7	1015.4	1014.4	1012.6	1012.3	1011.1	1008.7
13.5°	1017.4	1016.3	1008.3	1031.8	1014.6	1012.0	1011.0	1009.9	1009.7	1007.6	1005.4
14°	1012.4	1014.3	1006.3	1022.8	1009.9	1008.6	1007.6	1008.5	1006.8	1003.6	1001.6
14.5°	1009.0	1011.4	964.7	1020.2	1006.6	1005.4	1004.0	1011.6	1001.6	1000.7	997.5
15°	1010.4	1006.4	995.6	1009.6	1004.2	1001.8	1000.8	1001.8	1000.0	996.4	994.3
15.5°	1002.8	996.5	995.5	1015.9	1000.0	998.3	996.7	994.9	998.1	991.5	991.2
16°	1000.8	1001.7	991.5	1001.7	995.4	994.6	993.3	992.7	990.2	986.9	987.4
16.5°	994.3	997.3	986.8	1006.6	992.9	991.0	988.6	987.8	986.4	984.9	983.2
17°	994.1	992.0	1009.3	1001.3	989.1	987.0	985.7	984.6	981.7	981.7	978.1
17.5°	989.1	988.6	979.7	998.7	984.6	982.9	981.0	983.0	983.2	976.9	974.0
18°	985.7	985.1	973.9	993.5	980.3	979.3	977.6	977.4	974.6	969.3	969.9
18.5°	981.3	982.3	972.7	988.6	975.5	974.1	973.3	973.2	969.9	966.3	965.5
19°	976.6	977.7	970.6	984.2	972.5	970.1	969.0	969.5	965.5	967.9	960.6
19.5°	972.1	974.9	967.0	980.4	969.1	965.6	963.9	962.6	961.3	957.6	956.3
20°	968.7	965.6	961.3	976.1	963.8	960.8	959.5	956.7	956.1	953.0	951.3
20.5°	963.4	962.0	955.5	971.1	958.9	956.3	954.6	955.9	952.6	947.9	947.3
21°	959.3	958.4	949.9	965.6	954.2	951.6	950.3	949.3	947.0	942.6	941.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	944.9	949.0	935.6	949.8	939.4	936.5	935.7	936.2	931.0	927.7	925.4
23°	940.2	937.4	932.1	949.4	934.0	931.4	930.0	925.9	924.3	920.9	919.0
23.5°	938.6	937.9	924.8	944.0	928.8	926.6	926.1	925.3	919.3	914.0	913.7
24°	930.6	928.2	922.8	937.0	923.3	920.4	925.4	916.2	913.4	914.8	908.2
24.5°	936.9	923.7	913.8	926.7	917.7	914.9	912.9	911.4	907.5	906.8	901.7
25°	920.2	917.4	912.3	925.9	912.1	909.6	906.4	902.5	901.0	897.6	896.9
25.5°	912.1	911.3	902.6	923.5	906.7	903.4	900.3	902.0	895.9	888.9	890.7
26°	905.9	904.9	898.1	911.9	900.6	897.4	895.4	898.2	889.4	885.7	884.8
26.5°	901.3	900.9	890.9	906.4	895.4	891.2	889.8	885.2	882.6	879.6	876.0
27°	894.3	894.1	881.6	898.9	889.0	885.8	882.4	879.8	877.1	873.0	871.6
27.5°	888.1	887.3	878.1	894.0	883.0	879.6	875.9	874.5	872.4	866.8	864.7
28°	885.3	882.5	871.9	887.7	876.3	873.6	870.3	868.9	862.9	860.2	857.8
28.5°	884.5	878.8	869.9	882.7	869.9	866.6	864.0	862.7	856.3	853.6	851.4
29°	866.4	869.1	861.2	874.2	863.6	860.0	857.9	853.2	850.4	846.3	844.1
29.5°	865.8	865.4	854.9	869.3	857.7	853.6	849.0	846.8	843.0	839.6	837.3
30°	857.0	853.5	845.7	864.6	851.0	847.4	842.9	844.9	836.5	832.7	830.6
30.5°	851.9	860.0	842.2	856.6	844.4	840.8	836.6	833.2	829.9	825.4	823.2
31°	842.9	845.3	834.2	848.1	837.5	833.8	829.8	825.7	822.1	818.0	816.5
31.5°	838.7	836.6	836.7	843.6	830.4	826.5	822.6	820.3	814.5	810.5	808.6
32°	828.3	830.5	822.5	841.7	823.6	819.7	815.0	811.5	807.2	803.3	800.6
32.5°	826.6	824.0	811.2	825.8	816.8	812.5	808.1	804.6	799.3	795.4	794.6
33°	817.0	817.5	809.6	821.2	809.9	805.7	800.8	796.7	791.3	788.2	786.1
33.5°	809.0	809.9	801.4	816.2	802.7	798.4	793.5	787.2	784.5	780.7	778.8
34°	801.5	800.8	795.8	817.1	795.3	790.9	785.5	784.8	776.7	773.4	769.6
34.5°	798.4	795.6	788.9	800.8	788.0	783.1	777.9	773.7	767.6	765.0	762.7
35°	789.8	788.1	779.9	794.5	781.1	776.4	770.4	766.1	761.7	756.9	754.5
35.5°	781.7	781.7	772.9	785.7	773.2	768.6	762.7	758.3	752.3	748.9	746.8
36°	775.3	773.5	765.7	776.9	766.2	761.5	754.6	749.4	744.1	740.9	739.6
36.5°	767.5	766.0	758.7	770.4	758.3	753.0	746.3	747.2	738.6	732.8	731.3
37°	760.5	758.2	751.7	764.0	751.5	745.6	739.7	732.6	730.3	724.9	722.7
37.5°	750.5	752.0	743.6	753.1	742.8	737.7	731.2	727.2	720.8	716.2	715.5
38°	740.4	743.8	736.2	746.8	735.2	730.6	723.1	717.5	713.0	707.9	706.4
38.5°	733.7	735.6	729.6	740.2	728.1	722.1	715.7	709.2	704.0	699.9	698.8
39°	726.1	728.0	721.1	733.8	720.4	713.9	705.6	704.1	695.2	691.4	689.3
39.5°	723.0	720.4	713.5	725.0	712.3	706.1	700.9	693.2	688.0	683.1	681.6
40°	716.7	712.9	705.8	708.1	695.9	698.3	692.1	683.6	679.1	674.7	672.9
40.5°	707.1	705.0	698.4	707.4	702.9	689.7	683.0	676.8	669.9	665.9	664.5
41°	697.4	697.2	689.9	700.3	686.0	681.8	674.1	671.6	664.0	657.3	656.0
41.5°	696.4	688.6	682.1	692.4	680.3	673.7	666.7	659.5	654.5	648.8	647.8
42°	682.3	680.5	674.1	684.3	667.7	665.3	657.7	653.1	645.2	640.2	638.5
42.5°	673.6	673.4	666.0	675.2	659.2	657.4	649.5	643.7	636.1	632.0	630.6
43°	666.1	665.4	658.4	671.5	655.3	649.3	641.1	634.6	627.7	623.2	621.9
43.5°	657.9	657.5	651.0	658.6	647.2	640.4	632.7	626.4	619.4	614.3	613.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	634.0	633.3	625.9	634.2	622.4	616.0	607.3	599.4	592.7	588.6	587.9
45.5°	626.1	625.0	617.9	626.0	614.3	607.7	599.1	589.9	584.7	580.0	579.4
46°	614.2	616.4	609.6	617.8	606.1	599.1	591.0	583.4	575.7	571.3	570.3
46.5°	609.6	607.9	601.2	609.7	597.6	590.4	582.1	574.9	567.3	562.8	561.7
47°	601.8	599.9	594.4	601.7	589.4	582.4	573.1	567.2	558.8	554.8	554.3
47.5°	592.0	591.3	583.5	592.8	581.1	573.6	564.8	558.3	549.9	545.7	544.7
48°	581.7	582.0	577.4	584.9	573.3	565.0	556.7	549.4	542.2	537.2	536.5
48.5°	574.9	575.9	568.6	576.5	564.4	556.6	548.1	541.3	532.3	528.4	527.5
49°	570.4	567.4	561.5	567.5	556.3	548.5	539.2	531.7	524.6	520.4	520.0
49.5°	558.2	557.0	552.4	558.7	547.6	540.3	531.8	522.5	515.9	511.8	510.1
50°	552.0	552.5	544.6	551.4	539.4	532.0	522.7	514.9	507.4	503.3	503.0
50.5°	545.0	540.9	535.2	542.4	531.0	522.7	514.2	507.3	498.9	494.8	493.1
51°	534.3	534.0	527.8	534.0	523.1	515.0	505.6	497.3	491.0	486.5	486.2
51.5°	525.9	524.2	519.3	525.2	514.3	506.3	497.3	490.1	482.2	478.0	477.2
52°	517.8	515.9	511.7	516.4	506.0	498.1	489.1	477.2	474.1	469.9	469.2
52.5°	509.8	509.0	503.6	508.6	498.0	490.0	480.7	472.7	465.9	461.7	460.4
53°	500.4	500.3	493.7	500.4	489.1	481.5	472.4	464.8	457.6	453.6	452.3
53.5°	492.6	492.5	484.1	492.7	481.3	473.3	464.3	456.4	449.3	445.5	444.5
54°	484.5	483.8	479.0	484.0	473.2	464.9	455.5	448.7	441.5	437.1	436.0
54.5°	475.6	474.7	469.8	475.4	464.2	457.0	447.6	443.8	433.6	429.3	429.0
55°	468.2	466.8	461.2	467.7	456.1	448.3	439.5	431.4	425.1	421.3	420.1
55.5°	459.6	459.1	455.5	457.1	448.1	440.5	431.2	423.8	417.4	413.3	412.9
56°	451.1	450.5	445.7	450.0	440.0	432.2	424.3	416.1	409.5	405.5	405.0
56.5°	442.9	441.4	440.6	441.5	431.5	424.2	415.7	407.5	401.6	397.5	397.3
57°	433.6	433.2	429.9	433.9	423.4	416.0	407.0	399.6	394.2	390.2	390.8
57.5°	426.0	424.6	421.2	427.5	415.4	408.0	399.8	391.7	385.9	382.2	380.7
58°	418.9	417.7	412.6	416.9	407.3	400.5	391.5	385.9	378.2	374.5	374.6
58.5°	409.6	408.4	404.1	408.8	399.2	392.1	383.5	376.3	371.0	367.2	366.7
59°	403.0	399.9	396.2	400.4	391.4	384.6	376.2	369.2	363.3	359.8	359.1
59.5°	393.2	393.2	388.0	392.8	383.4	376.2	368.6	361.3	355.7	352.0	351.8
60°	385.5	385.3	380.0	384.2	375.0	368.5	360.9	354.4	347.4	344.7	344.3
60.5°	377.0	376.8	371.9	376.2	367.3	360.7	352.7	346.7	340.6	337.6	337.0
61°	369.9	368.7	363.7	368.2	359.6	352.9	345.5	339.6	333.9	330.0	329.3
61.5°	361.8	360.0	355.4	360.5	351.7	345.3	337.6	332.0	326.5	322.9	322.9
62°	352.8	351.4	348.7	351.7	343.6	337.7	330.4	323.9	318.7	315.9	316.1
62.5°	345.1	344.3	339.7	343.6	336.2	329.9	323.0	316.9	312.6	309.0	307.6
63°	336.9	335.5	334.9	335.8	328.1	322.6	315.4	314.2	304.1	301.9	301.6
63.5°	329.0	327.7	325.7	327.8	320.7	314.9	308.6	303.0	297.9	294.9	294.6
64°	320.5	318.8	316.1	319.9	311.9	307.6	301.0	296.1	290.9	287.9	287.4
64.5°	312.8	311.7	308.7	312.2	305.5	300.3	294.0	287.9	284.0	281.5	281.1
65°	304.7	304.0	301.0	305.1	293.1	292.9	286.6	281.8	277.1	274.4	274.0
65.5°	296.8	295.8	292.8	296.5	289.8	285.7	279.5	275.1	270.5	267.8	267.3
66°	289.1	288.4	284.7	288.8	282.8	278.2	272.5	268.2	263.3	261.1	260.2



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	265.2	265.1	262.7	265.3	260.6	256.5	251.5	247.9	243.6	241.6	240.8
68°	257.8	256.7	255.2	257.9	253.0	249.7	244.9	241.5	237.4	235.1	234.8
68.5°	249.1	248.4	247.3	250.1	245.9	242.5	238.3	234.9	231.3	229.0	228.0
69°	241.6	241.2	239.7	242.8	238.7	235.6	232.4	228.4	224.5	222.8	222.1
69.5°	234.0	233.7	230.8	237.1	231.6	228.6	224.9	221.7	218.4	216.3	215.5
70°	226.8	226.1	222.9	227.8	224.3	221.9	218.5	215.6	213.0	210.3	209.5
70.5°	218.5	218.5	216.7	220.7	217.3	215.0	211.9	209.0	206.2	204.1	203.5
71°	210.8	210.5	209.3	212.9	210.4	208.3	205.6	203.0	200.1	198.4	197.4
71.5°	203.4	204.0	201.7	206.2	203.5	201.6	199.3	196.9	194.1	192.5	192.1
72°	196.0	196.1	195.3	199.4	196.5	195.3	192.9	190.5	188.3	186.6	186.7
72.5°	188.8	188.7	187.7	191.6	189.6	188.6	186.5	184.8	182.0	180.7	180.5
73°	181.4	181.3	180.3	184.7	183.0	182.2	180.6	178.7	176.6	174.8	174.1
73.5°	173.9	173.2	173.1	177.7	176.3	175.9	174.2	172.7	170.8	169.4	168.5
74°	166.6	166.7	165.8	170.4	169.7	169.4	168.4	167.2	165.1	163.7	162.8
74.5°	159.3	159.0	158.8	163.6	163.2	163.3	162.3	160.9	159.4	158.1	157.1
75°	152.0	152.1	152.1	156.7	156.8	157.1	156.2	155.4	154.2	152.7	151.9
75.5°	144.9	144.8	145.9	152.1	150.4	150.8	150.3	149.7	148.6	147.0	146.3
76°	137.9	138.4	138.0	143.4	143.9	145.0	144.3	144.5	143.1	142.5	141.0
76.5°	130.6	131.3	131.8	137.1	137.7	138.9	139.1	138.7	137.8	136.8	135.7
77°	123.8	124.2	125.0	129.6	131.5	133.1	133.3	133.4	132.5	131.5	130.6
77.5°	117.7	117.3	119.0	123.9	125.6	127.1	127.3	127.6	127.3	126.3	125.4
78°	110.5	111.2	112.0	117.6	119.7	121.5	122.9	122.8	122.1	121.4	120.4
78.5°	103.5	104.1	105.9	111.6	113.7	116.0	117.1	117.7	117.3	116.5	115.6
79°	97.7	97.5	99.7	105.1	108.0	110.5	111.7	112.5	112.3	111.8	110.8
79.5°	91.1	90.9	93.0	99.4	102.2	104.9	106.5	107.5	107.4	106.8	105.9
80°	84.6	85.1	87.4	93.6	96.6	99.8	101.4	102.8	103.0	102.3	101.5
80.5°	78.5	79.1	81.7	87.7	91.2	94.4	96.4	98.1	98.3	97.9	96.8
81°	72.4	73.0	75.8	82.0	85.8	89.4	92.6	93.4	94.1	93.5	92.5
81.5°	67.0	67.6	70.6	76.7	80.5	84.4	87.5	89.0	89.4	89.2	88.4
82°	61.6	62.3	65.5	71.2	75.5	79.7	82.8	84.6	85.3	85.1	84.1
82.5°	56.2	57.0	60.5	66.4	70.2	74.9	78.2	80.6	81.2	81.0	79.7
83°	50.9	51.7	55.4	61.6	65.9	70.0	73.8	76.2	77.1	77.0	76.2
83.5°	45.5	46.4	50.3	56.9	61.6	66.1	69.9	72.2	73.3	73.2	72.5
84°	40.5	41.8	45.3	52.1	57.4	62.3	66.3	68.7	69.9	70.5	69.1
84.5°	35.6	36.8	40.6	47.4	53.2	58.4	62.6	65.2	66.4	67.1	65.7
85°	31.1	32.2	36.1	43.0	49.0	54.6	59.0	61.8	63.0	63.6	62.4
85.5°	26.7	27.9	31.9	38.9	45.1	50.8	55.3	58.3	59.6	60.1	59.0
86°	22.7	23.8	27.9	34.9	41.4	47.3	51.8	54.8	56.2	56.6	55.7
86.5°	18.8	19.9	24.2	31.4	37.8	43.8	48.4	51.6	53.1	53.4	52.5
87°	15.2	16.3	20.8	27.9	34.5	40.5	45.1	48.3	50.0	50.3	49.4
87.5°	11.8	13.0	17.6	24.7	31.3	37.4	42.1	45.3	47.1	47.4	46.4
88°	8.6	10.0	14.7	21.8	28.4	34.4	39.1	42.5	44.0	44.6	43.8
88.5°	6.9	7.4	12.3	19.1	25.6	31.6	36.3	39.7	41.4	41.9	41.0



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.9	3.0	7.0	12.4	18.4	24.1	28.6	32.1	33.9	34.4	33.6
90.5°	0.3	1.6	5.8	10.6	16.3	21.9	26.5	29.7	31.6	32.1	31.3
91°	0.2	1.0	4.7	9.1	14.5	19.9	24.3	27.6	29.4	30.0	29.2
91.5°	0.2	0.7	3.6	7.7	12.8	17.9	22.2	25.5	27.3	27.8	27.0
92°	0.2	0.5	2.5	6.7	11.3	16.2	20.4	23.5	25.3	25.9	25.3
92.5°	0.2	0.4	2.0	5.7	9.8	14.5	18.5	21.6	23.4	24.0	23.3
93°	0.1	0.4	1.6	4.7	8.6	13.0	16.9	19.9	21.7	22.2	21.5
93.5°	0.1	0.3	1.3	3.8	7.5	11.6	15.4	18.3	19.9	20.5	19.9
94°	0.1	0.3	1.1	3.2	6.7	10.4	14.0	16.7	18.4	19.0	18.3
94.5°	0.1	0.3	0.9	2.7	5.9	9.3	12.7	15.3	17.0	17.5	16.9
95°	0.2	0.3	0.8	2.4	5.1	8.2	11.4	14.1	15.5	16.1	15.5
95.5°	0.2	0.3	0.7	2.1	4.3	7.3	10.3	12.8	14.3	14.8	14.3
96°	0.2	0.3	0.7	1.9	3.8	6.7	9.3	11.6	13.1	13.6	13.0
96.5°	0.2	0.3	0.6	1.7	3.4	6.0	8.4	10.6	12.0	12.5	12.0
97°	0.3	0.3	0.6	1.6	3.0	5.3	7.6	9.6	11.0	11.4	11.0
97.5°	0.3	0.3	0.5	1.4	2.8	4.7	7.0	8.8	10.1	10.5	10.1
98°	0.3	0.4	0.5	1.3	2.5	4.2	6.4	8.0	9.2	9.6	9.3
98.5°	0.4	0.4	0.5	1.2	2.4	3.9	5.8	7.4	8.4	8.8	8.4
99°	0.4	0.5	0.5	1.1	2.2	3.6	5.2	6.9	7.8	8.1	7.8
99.5°	0.5	0.5	0.6	1.0	2.1	3.4	4.8	6.4	7.2	7.4	7.2
100°	0.5	0.6	0.6	1.0	2.0	3.2	4.5	5.9	6.7	6.9	6.7
100.5°	0.5	0.6	0.6	0.9	1.8	3.0	4.2	5.4	6.2	6.5	6.2
101°	0.6	0.7	0.6	0.9	1.7	2.8	4.0	5.1	5.7	6.0	5.7
101.5°	0.6	0.7	0.7	0.9	1.6	2.7	3.8	4.8	5.3	5.5	5.3
102°	0.7	0.7	0.7	0.9	1.5	2.5	3.6	4.6	5.1	5.2	5.1
102.5°	0.7	0.8	0.8	0.9	1.4	2.4	3.4	4.3	4.8	5.0	4.8
103°	0.8	0.8	0.7	0.9	1.4	2.2	3.2	4.1	4.6	4.7	4.6
103.5°	0.8	0.9	0.7	0.9	1.3	2.1	3.0	3.9	4.4	4.5	4.4
104°	0.9	0.9	0.8	1.0	1.3	2.0	2.9	3.7	4.2	4.3	4.2
104.5°	0.9	1.0	0.8	1.0	1.2	1.9	2.7	3.5	4.0	4.1	4.0
105°	0.9	1.2	0.8	1.0	1.2	1.8	2.6	3.3	3.8	4.0	3.8
105.5°	1.0	1.3	0.8	1.1	1.2	1.7	2.5	3.1	3.6	3.8	3.6
106°	1.0	1.4	0.9	1.1	1.2	1.7	2.3	3.0	3.4	3.6	3.5
106.5°	1.0	1.4	0.9	1.1	1.2	1.6	2.2	2.8	3.3	3.4	3.3
107°	1.1	1.3	1.0	1.2	1.2	1.6	2.1	2.7	3.1	3.3	3.1
107.5°	1.1	1.3	1.0	1.2	1.2	1.5	2.0	2.6	3.0	3.1	3.0
108°	1.2	1.3	1.1	1.2	1.2	1.5	1.9	2.4	2.8	2.9	2.8
108.5°	1.3	1.3	1.2	1.1	1.3	1.4	1.9	2.3	2.7	2.8	2.7
109°	1.4	1.4	1.2	1.1	1.3	1.4	1.8	2.2	2.6	2.7	2.6
109.5°	1.5	1.5	1.3	1.1	1.4	1.4	1.7	2.1	2.4	2.6	2.5
110°	1.5	1.5	1.3	1.1	1.4	1.4	1.7	2.1	2.3	2.4	2.4
110.5°	1.5	1.5	1.3	1.2	1.4	1.5	1.6	2.0	2.2	2.3	2.3
111°	1.6	1.6	1.3	1.2	1.5	1.5	1.6	1.9	2.1	2.2	2.2



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.7	1.6	1.3	1.3	1.5	1.6	1.6	1.7	1.9	2.0	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	1.7	1.7	1.8	1.8	1.8
114°	1.8	1.6	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.8	1.8
114.5°	1.8	1.6	1.4	1.3	1.4	1.7	1.7	1.7	1.7	1.7	1.7
115°	1.8	1.7	1.5	1.3	1.4	1.8	1.8	1.7	1.7	1.7	1.7
115.5°	1.9	1.8	1.6	1.3	1.4	1.8	1.8	1.8	1.8	1.7	1.8
116°	1.9	1.9	1.6	1.3	1.5	1.8	1.9	1.8	1.8	1.8	1.8
116.5°	1.8	1.9	1.8	1.4	1.5	1.7	1.9	1.9	1.8	1.8	1.8
117°	1.8	1.9	1.9	1.4	1.5	1.5	1.9	1.9	1.9	1.8	1.9
117.5°	1.8	1.9	2.0	1.4	1.6	1.5	1.9	2.0	1.9	1.9	1.9
118°	1.7	1.9	2.1	1.5	1.6	1.5	2.0	2.0	2.0	1.9	2.0
118.5°	1.7	1.9	2.1	1.5	1.6	1.5	2.0	2.0	2.0	2.0	2.0
119°	1.7	1.9	2.1	1.5	1.7	1.5	1.9	2.0	2.0	2.0	2.0
119.5°	1.7	1.9	2.0	1.6	1.7	1.6	1.8	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	2.0	1.7	1.8	1.6	1.6	2.1	2.1	2.0	2.1
121°	1.8	2.0	2.0	1.8	1.8	1.7	1.6	2.0	2.1	2.1	2.1
121.5°	1.8	2.0	2.0	1.8	1.8	1.7	1.6	1.8	2.2	2.2	2.2
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	1.9	1.8	1.6	1.6	2.0	2.1	2.0
123°	1.8	2.0	2.2	1.9	1.9	1.8	1.7	1.6	1.8	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	2.3	2.1	2.0	1.9	1.7	1.6	1.6	1.6	1.6
124.5°	1.9	2.0	2.3	2.1	2.0	1.9	1.8	1.6	1.6	1.6	1.6
125°	1.9	2.1	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.6
125.5°	1.9	2.1	2.3	2.3	2.0	2.0	1.8	1.7	1.6	1.6	1.6
126°	1.9	2.1	2.2	2.4	2.1	2.0	1.9	1.7	1.7	1.6	1.7
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	2.2	2.7	2.2	2.1	2.0	1.8	1.8	1.7	1.8
128°	2.0	2.1	2.1	2.6	2.2	2.1	2.0	1.9	1.8	1.7	1.8
128.5°	2.0	2.1	2.1	2.6	2.2	2.1	2.0	1.9	1.8	1.8	1.8
129°	2.0	2.1	2.0	2.6	2.2	2.1	2.0	1.9	1.9	1.8	1.9
129.5°	1.9	2.1	1.9	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.9
130°	2.0	2.1	1.9	2.5	2.4	2.2	2.1	2.0	1.9	1.9	1.9
130.5°	2.0	2.1	2.0	2.4	2.4	2.2	2.1	2.0	2.0	1.9	2.0
131°	2.0	2.1	2.0	2.4	2.5	2.3	2.1	2.1	2.0	1.9	2.0
131.5°	2.0	2.1	2.0	2.4	2.5	2.3	2.1	2.1	2.0	2.0	2.0
132°	2.0	2.2	2.0	2.4	2.7	2.3	2.2	2.1	2.1	2.0	2.1
132.5°	2.1	2.2	2.1	2.4	2.8	2.4	2.2	2.1	2.1	2.0	2.1
133°	2.1	2.2	2.1	2.5	3.0	2.4	2.2	2.2	2.1	2.1	2.1
133.5°	2.1	2.2	2.1	2.5	3.2	2.4	2.3	2.2	2.1	2.1	2.1



TEST NUMBER: P563526

CATALOG NUMBER: 2NWS23C3-UNV-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	2.4	2.3	2.2	2.2	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	2.3	2.5	3.2	2.7	2.4	2.3	2.3	2.2	2.3
136.5°	2.1	2.2	2.3	2.5	3.1	2.8	2.5	2.4	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	2.3	2.3
137.5°	2.2	2.2	2.3	2.5	2.9	3.1	2.5	2.4	2.4	2.3	2.4
138°	2.2	2.2	2.4	2.4	2.9	3.3	2.6	2.5	2.4	2.3	2.4
138.5°	2.2	2.3	2.4	2.3	2.9	3.5	2.6	2.5	2.4	2.4	2.4
139°	2.2	2.3	2.4	2.3	2.9	3.6	2.7	2.5	2.4	2.4	2.5
139.5°	2.2	2.3	2.5	2.2	3.0	3.6	2.7	2.6	2.5	2.4	2.5
140°	2.2	2.2	2.5	2.2	3.0	3.6	2.8	2.6	2.5	2.5	2.5
140.5°	2.2	2.2	2.5	2.2	3.0	3.5	3.0	2.6	2.5	2.5	2.5
141°	2.3	2.2	2.5	2.2	3.0	3.4	3.2	2.7	2.6	2.5	2.6
141.5°	2.3	2.2	2.5	2.2	3.0	3.3	3.4	2.7	2.6	2.6	2.6
142°	2.3	2.2	2.5	2.2	3.0	3.2	3.6	2.8	2.7	2.6	2.7
142.5°	2.3	2.2	2.6	2.2	2.9	3.1	3.7	2.9	2.7	2.6	2.7
143°	2.3	2.3	2.6	2.3	2.8	3.0	3.7	3.1	2.8	2.7	2.8
143.5°	2.3	2.3	2.6	2.3	2.8	3.0	3.6	3.3	2.9	2.7	2.9
144°	2.3	2.3	2.6	2.3	2.7	3.0	3.5	3.5	3.0	2.9	3.0
144.5°	2.3	2.3	2.6	2.4	2.6	3.0	3.4	3.7	3.2	3.0	3.2
145°	2.3	2.3	2.7	2.4	2.5	3.1	3.3	3.8	3.4	3.2	3.4
145.5°	2.3	2.3	2.7	2.4	2.5	3.1	3.2	3.7	3.6	3.4	3.6
146°	2.3	2.3	2.7	2.4	2.4	3.1	3.1	3.6	3.8	3.6	3.7
146.5°	2.3	2.3	2.7	2.5	2.3	3.1	3.0	3.5	3.8	3.7	3.8
147°	2.3	2.2	2.7	2.5	2.3	3.0	3.0	3.4	3.7	3.8	3.7
147.5°	2.3	2.2	2.7	2.5	2.3	2.9	3.1	3.2	3.6	3.7	3.6
148°	2.3	2.2	2.7	2.5	2.2	2.9	3.1	3.1	3.4	3.5	3.5
148.5°	2.3	2.1	2.7	2.5	2.2	2.8	3.1	3.1	3.3	3.4	3.3
149°	2.2	2.2	2.7	2.6	2.2	2.7	3.1	3.0	3.2	3.2	3.2
149.5°	2.2	2.2	2.6	2.6	2.2	2.6	3.1	3.1	3.1	3.1	3.1
150°	2.2	2.2	2.6	2.6	2.3	2.5	3.1	3.1	3.1	3.1	3.1
150.5°	2.2	2.2	2.6	2.6	2.3	2.4	3.0	3.1	3.0	3.0	3.0
151°	2.3	2.2	2.6	2.6	2.3	2.3	2.9	3.1	3.1	3.0	3.1
151.5°	2.3	2.2	2.6	2.6	2.3	2.3	2.8	3.1	3.1	3.1	3.1
152°	2.3	2.2	2.6	2.7	2.3	2.2	2.7	3.1	3.1	3.1	3.1
152.5°	2.2	2.1	2.6	2.7	2.4	2.2	2.6	3.0	3.1	3.1	3.1
153°	2.2	2.1	2.6	2.7	2.4	2.2	2.5	2.9	3.1	3.1	3.1
153.5°	2.2	2.1	2.6	2.7	2.4	2.2	2.4	2.8	3.0	3.1	3.0
154°	2.2	2.1	2.6	2.7	2.4	2.2	2.3	2.7	2.9	3.0	2.9
154.5°	2.2	2.1	2.6	2.7	2.5	2.2	2.2	2.6	2.8	2.9	2.8
155°	2.3	2.1	2.6	2.7	2.5	2.3	2.2	2.4	2.7	2.8	2.7
155.5°	2.3	2.1	2.6	2.7	2.5	2.3	2.2	2.3	2.6	2.6	2.6
156°	2.3	2.1	2.6	2.7	2.5	2.3	2.2	2.3	2.4	2.5	2.5



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9
0.5°	1050.2	1054.7	1057.0	1053.5	1054.6	1052.1	1054.6	1054.4	1057.1	1032.5	1065.3
1°	1052.4	1052.8	1055.3	1052.2	1053.4	1052.6	1053.2	1054.1	1052.3	1043.7	1063.9
1.5°	1051.5	1053.3	1057.0	1053.0	1052.6	1050.0	1054.3	1054.1	1047.7	1045.8	1067.5
2°	1054.9	1053.9	1054.3	1050.5	1052.2	1050.0	1053.4	1051.7	1050.4	1043.2	1061.0
2.5°	1051.5	1051.8	1050.1	1050.2	1051.3	1050.3	1051.6	1050.0	1050.9	1043.8	1061.0
3°	1049.7	1051.6	1052.1	1048.5	1050.5	1049.9	1046.2	1050.6	1051.7	1049.0	1060.9
3.5°	1047.9	1036.7	1049.2	1048.8	1048.6	1047.6	1048.9	1049.0	1047.1	1040.0	1059.5
4°	1046.7	1044.4	1049.0	1047.3	1048.5	1045.6	1048.9	1046.4	1048.6	1038.0	1058.5
4.5°	1047.3	1049.9	1048.3	1045.7	1047.3	1048.1	1046.4	1045.7	1046.7	1034.5	1063.8
5°	1045.1	1061.3	1048.3	1044.4	1044.9	1041.5	1047.0	1043.8	1044.2	1038.3	1058.6
5.5°	1044.3	1045.8	1047.5	1043.0	1043.1	1041.2	1046.6	1043.6	1046.4	1036.2	1054.8
6°	1043.2	1043.4	1042.1	1041.6	1043.0	1041.4	1042.3	1043.4	1042.6	1034.0	1052.6
6.5°	1040.8	1041.9	1042.2	1040.0	1040.0	1039.0	1040.5	1038.8	1040.4	1033.1	1052.5
7°	1039.0	1043.1	1041.0	1039.2	1038.4	1037.9	1045.2	1038.0	1039.6	1029.7	1051.1
7.5°	1036.9	1037.8	1038.6	1036.7	1036.8	1035.3	1048.9	1036.6	1037.2	1029.5	1047.6
8°	1034.8	1036.5	1035.6	1034.1	1034.5	1031.4	1033.1	1034.6	1034.5	1028.3	1046.4
8.5°	1033.0	1033.9	1033.0	1032.4	1031.8	1029.0	1033.4	1030.7	1032.5	1027.5	1042.7
9°	1031.0	1031.4	1031.2	1029.4	1029.4	1026.8	1031.0	1034.3	1030.1	1019.6	1038.5
9.5°	1028.5	1029.4	1029.1	1026.3	1027.6	1024.6	1028.7	1024.9	1028.4	1023.4	1043.4
10°	1024.1	1026.7	1026.4	1025.2	1024.9	1023.7	1024.6	1024.7	1035.8	1018.9	1045.3
10.5°	1023.1	1024.4	1023.6	1022.0	1022.1	1021.2	1022.4	1022.5	1023.3	1015.0	1032.9
11°	1019.7	1020.3	1020.4	1019.0	1019.4	1017.4	1019.8	1018.5	1017.4	1012.0	1027.4
11.5°	1017.0	1018.2	1018.2	1016.9	1016.3	1016.1	1013.1	1015.5	1014.8	1008.3	1027.8
12°	1014.5	1015.2	1015.3	1012.7	1013.4	1012.0	1012.9	1012.8	1011.8	1005.4	1025.7
12.5°	1011.4	1011.4	1011.7	1009.2	1010.0	1009.7	1009.2	1015.0	1012.9	1005.6	1025.9
13°	1007.6	1008.3	1008.1	1007.4	1006.0	1007.1	1007.4	1006.5	1007.0	990.5	1017.9
13.5°	1004.1	1004.5	1005.2	1002.7	1003.8	1002.3	1004.4	1002.9	1003.2	1000.4	1016.4
14°	1000.4	1001.7	1000.9	998.7	999.7	997.4	998.9	1001.5	1000.2	985.6	1012.4
14.5°	997.5	997.0	995.7	995.8	996.4	994.4	995.7	997.5	996.7	981.1	1009.1
15°	994.0	994.5	995.1	992.5	992.2	990.7	994.2	993.0	992.3	986.8	1005.4
15.5°	989.6	989.9	989.6	988.4	988.2	986.1	989.6	988.3	989.2	983.9	1005.6
16°	986.4	988.6	985.5	984.3	984.5	984.6	983.8	984.6	986.1	977.0	996.9
16.5°	981.1	980.3	981.8	978.6	980.6	980.6	979.1	980.4	980.1	976.2	992.4
17°	977.5	978.6	977.1	977.2	976.6	974.7	979.2	975.9	978.0	972.1	990.5
17.5°	973.8	974.6	975.2	971.8	972.4	969.6	974.1	978.0	972.3	964.6	983.3
18°	968.6	969.7	969.9	968.3	967.7	966.2	968.8	968.2	969.9	962.2	979.3
18.5°	964.1	965.2	967.4	939.0	963.5	961.8	962.2	961.2	964.6	958.1	976.4
19°	959.5	936.6	960.2	963.8	957.6	956.7	958.3	958.6	959.0	952.6	971.8
19.5°	955.1	957.4	954.4	956.5	952.8	952.2	954.6	952.6	955.2	948.3	966.1
20°	950.7	950.8	949.6	943.5	949.3	947.2	950.0	949.2	950.1	945.2	961.2
20.5°	945.4	945.1	945.7	943.7	943.6	942.4	945.0	942.6	947.0	937.8	958.3
21°	939.8	947.1	940.5	938.6	940.1	937.6	938.6	940.3	935.8	937.2	950.4



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	924.4	923.5	926.0	922.8	923.5	922.0	923.0	923.6	925.6	919.6	937.4
23°	919.9	919.3	917.9	917.1	918.7	916.5	920.1	918.5	920.2	914.1	930.5
23.5°	903.7	915.8	914.2	916.3	912.6	910.6	911.5	913.9	913.4	906.1	925.9
24°	906.6	912.7	909.0	906.8	907.8	905.1	907.7	907.0	912.4	897.9	920.2
24.5°	901.3	902.3	900.3	901.4	901.2	899.9	901.9	901.5	903.8	895.7	914.6
25°	896.0	895.8	896.3	895.6	895.7	893.9	895.3	895.8	897.7	889.0	908.2
25.5°	889.0	889.6	891.2	888.7	890.3	888.1	888.8	889.4	887.8	885.3	902.6
26°	883.6	884.8	886.0	883.6	883.7	882.0	883.6	885.6	885.3	877.9	895.8
26.5°	876.9	876.7	878.5	876.1	877.3	875.4	878.0	877.5	882.1	873.3	890.0
27°	871.4	870.4	869.1	872.5	871.6	869.2	871.7	872.9	870.0	866.9	884.0
27.5°	864.6	866.4	868.2	865.2	865.0	862.9	865.0	865.9	866.9	860.3	878.0
28°	858.0	860.0	859.4	858.6	859.2	858.0	858.1	859.0	862.9	854.1	871.0
28.5°	851.9	851.1	854.4	852.9	852.7	849.4	852.1	852.2	851.1	845.3	864.7
29°	845.4	844.7	845.5	845.7	846.1	847.9	845.3	851.5	845.0	840.3	856.6
29.5°	837.7	840.3	840.1	836.0	838.8	837.9	838.5	838.9	839.7	835.3	864.8
30°	819.9	831.8	832.4	831.6	832.5	831.0	832.5	832.6	834.1	828.8	838.7
30.5°	817.5	823.2	826.7	826.1	826.1	823.6	825.3	825.3	827.6	824.9	837.3
31°	814.0	819.5	818.6	818.3	819.5	817.3	818.4	819.4	820.3	814.8	831.2
31.5°	809.7	813.1	811.8	812.9	812.3	810.0	811.3	812.9	812.7	806.2	825.2
32°	803.9	803.8	804.6	805.9	805.1	803.4	804.3	804.6	806.3	801.1	817.8
32.5°	794.3	795.9	798.0	800.5	797.9	796.8	796.9	798.4	799.8	794.0	812.3
33°	787.0	787.4	790.2	789.9	791.0	789.5	790.6	790.3	792.0	785.8	803.2
33.5°	781.2	781.9	783.4	783.8	784.2	782.5	781.7	783.6	783.3	780.4	795.8
34°	772.6	771.7	778.0	776.2	776.8	774.7	776.8	777.4	777.5	773.1	788.4
34.5°	763.6	766.0	769.0	767.9	769.5	768.3	768.5	771.0	770.1	764.3	780.8
35°	756.4	758.4	760.9	760.3	762.1	759.9	761.3	760.7	763.1	758.8	773.4
35.5°	747.6	752.1	758.9	753.1	754.7	753.1	754.1	755.0	755.3	751.2	766.8
36°	740.6	742.7	747.8	746.8	746.9	746.7	746.8	748.5	745.7	744.3	758.8
36.5°	733.3	729.2	737.6	738.4	738.9	738.6	739.1	739.0	741.3	736.4	750.2
37°	721.7	727.5	730.1	731.4	732.1	730.9	731.4	732.2	730.3	729.2	742.8
37.5°	715.3	719.1	722.1	722.8	724.3	723.2	723.8	726.9	725.5	720.7	735.9
38°	709.6	706.7	714.8	715.7	716.1	714.3	716.0	715.9	724.1	714.8	728.9
38.5°	703.8	706.3	707.2	708.7	708.9	707.3	707.7	709.6	708.3	705.4	719.9
39°	689.7	698.7	699.7	700.1	701.2	699.9	701.3	701.4	708.3	699.1	711.8
39.5°	685.1	688.4	690.4	692.2	693.2	692.5	693.1	694.6	695.1	689.3	707.7
40°	672.5	677.9	682.4	684.1	685.6	684.1	685.5	687.0	687.4	682.5	694.3
40.5°	668.6	673.3	675.0	675.4	677.7	676.1	677.1	677.3	677.9	674.1	688.5
41°	658.3	662.1	665.4	663.9	669.5	667.9	669.3	669.5	671.5	663.7	676.1
41.5°	651.4	652.7	657.2	659.3	661.5	661.4	661.4	661.6	662.8	660.6	668.8
42°	641.5	647.1	651.2	652.4	654.0	652.3	653.3	656.3	655.7	652.5	664.2
42.5°	633.0	638.4	642.3	643.4	644.7	645.2	645.4	644.1	646.6	642.7	657.1
43°	624.3	627.9	632.1	636.9	637.5	636.5	637.0	637.7	633.7	636.0	648.3
43.5°	616.4	623.0	624.2	626.3	629.0	627.9	629.3	631.0	630.6	626.4	642.8



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	589.9	597.3	599.1	601.7	604.8	604.1	604.9	604.8	606.3	604.2	615.3
45.5°	582.0	588.5	592.6	596.6	596.7	594.9	596.9	597.3	599.4	594.2	608.5
46°	573.4	579.8	583.6	585.1	588.6	588.0	588.2	589.2	590.5	586.1	600.4
46.5°	563.9	570.6	575.6	577.9	579.9	580.0	581.5	581.2	582.3	577.3	588.2
47°	556.1	564.1	566.7	569.1	572.0	572.0	572.3	572.0	573.3	571.0	580.6
47.5°	548.5	553.6	558.9	567.6	563.7	563.6	564.4	564.9	565.7	563.4	574.9
48°	539.4	544.8	551.2	553.7	555.8	555.4	555.4	556.5	558.3	557.9	564.5
48.5°	530.7	537.4	542.8	544.3	547.5	547.4	549.4	548.9	550.1	544.8	556.6
49°	523.0	527.9	532.2	534.8	539.2	538.9	539.8	540.6	540.7	539.2	550.6
49.5°	514.4	519.3	526.4	532.2	531.1	531.5	531.8	532.1	533.2	531.7	541.3
50°	505.8	511.4	518.3	521.0	523.3	523.0	523.4	524.0	525.0	522.0	534.6
50.5°	497.3	503.1	509.6	510.7	514.8	515.3	515.2	516.3	516.3	516.4	523.4
51°	489.3	495.0	500.4	504.2	506.4	506.8	508.5	508.6	508.5	503.8	515.6
51.5°	480.0	486.2	492.6	495.2	498.5	498.0	501.5	499.7	500.4	497.2	507.2
52°	472.4	478.1	485.3	487.4	490.3	490.1	491.7	492.0	492.6	491.2	499.5
52.5°	464.7	469.8	477.6	481.7	482.3	483.0	482.9	483.6	483.9	480.7	490.6
53°	456.4	462.2	469.4	472.5	474.0	475.6	474.5	475.0	475.8	475.0	484.1
53.5°	448.5	453.7	460.9	463.0	465.7	467.3	466.5	467.2	467.2	465.5	475.1
54°	439.4	445.5	451.9	454.6	458.0	458.3	460.5	459.2	459.6	457.7	465.6
54.5°	432.7	437.4	442.8	447.7	449.5	449.7	450.9	450.8	451.8	449.4	460.6
55°	423.7	430.1	436.5	439.7	441.8	442.0	442.3	442.9	443.6	441.8	449.2
55.5°	416.2	421.5	427.0	433.0	433.7	433.9	433.2	434.3	436.5	433.2	443.1
56°	407.9	413.7	420.1	423.9	425.8	428.8	425.6	426.7	427.5	425.3	433.2
56.5°	400.4	406.0	411.8	415.6	417.8	418.2	419.5	418.4	419.8	418.2	425.3
57°	393.0	397.9	405.3	407.1	409.6	409.7	410.2	410.3	410.0	409.6	419.3
57.5°	384.8	390.0	395.3	399.1	401.8	400.7	401.3	402.2	403.3	403.7	410.6
58°	377.2	382.5	388.2	392.0	393.5	394.3	393.8	394.6	395.5	393.7	398.2
58.5°	369.3	374.2	380.5	384.5	385.7	387.4	386.1	387.7	386.9	385.7	393.4
59°	361.9	366.7	371.7	375.3	378.2	378.9	378.6	378.3	378.4	377.7	385.7
59.5°	354.6	356.0	365.8	367.1	370.3	369.8	369.6	370.5	370.7	369.7	378.8
60°	347.3	351.4	356.7	359.6	362.9	362.0	361.6	363.8	363.3	362.9	370.7
60.5°	339.7	344.1	351.0	351.6	354.5	355.8	354.7	354.5	355.0	355.0	362.5
61°	332.2	336.8	339.9	344.7	346.0	347.5	346.8	345.2	347.3	346.7	354.8
61.5°	325.0	329.5	335.1	336.5	338.6	338.4	338.5	338.8	340.1	339.7	345.0
62°	317.8	321.8	326.8	329.1	330.8	331.0	330.8	330.8	331.9	331.5	339.2
62.5°	310.8	314.5	318.9	321.1	324.1	323.7	322.9	323.3	325.1	323.7	330.0
63°	303.3	307.4	311.5	313.5	315.8	315.7	314.9	315.0	316.6	316.0	323.1
63.5°	296.5	300.1	304.2	305.1	308.2	307.4	307.4	307.1	308.7	308.4	315.0
64°	289.5	293.0	296.5	300.0	300.9	300.3	299.4	300.5	302.8	300.5	307.8
64.5°	282.5	285.9	289.8	293.9	293.2	292.8	291.8	293.6	293.5	293.5	301.0
65°	275.7	279.0	282.4	285.0	285.3	284.6	284.0	284.5	285.1	286.0	291.6
65.5°	269.1	271.9	275.2	277.3	277.7	277.2	277.5	276.8	278.6	278.2	284.3
66°	262.0	265.2	268.0	269.8	270.8	269.8	268.9	269.1	271.1	270.8	277.2



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	242.2	244.8	247.2	248.0	248.3	246.9	246.1	246.7	248.2	247.3	255.4
68°	235.9	238.2	240.1	242.0	241.3	239.9	238.9	239.1	240.8	241.5	248.0
68.5°	229.4	231.4	233.4	234.0	234.0	232.3	231.4	232.0	233.1	234.1	240.8
69°	223.0	224.8	226.7	227.1	226.8	225.1	223.9	224.3	225.7	226.2	234.0
69.5°	216.8	218.3	219.7	219.8	219.4	217.4	216.4	216.4	218.0	219.1	226.0
70°	210.5	212.1	212.9	213.2	212.9	210.7	209.0	209.5	210.6	211.6	219.1
70.5°	204.1	205.4	206.5	206.2	205.4	203.1	201.7	202.3	203.7	206.1	211.9
71°	197.9	199.3	199.9	199.8	198.4	196.2	194.9	194.7	197.0	198.0	204.6
71.5°	191.9	193.1	193.9	193.3	191.6	189.6	187.5	187.8	189.6	191.1	199.0
72°	186.1	186.9	187.3	186.7	184.6	181.9	180.5	180.5	182.5	184.1	191.2
72.5°	180.1	181.0	180.5	179.9	177.8	175.0	173.1	173.7	174.8	177.3	183.1
73°	174.3	174.6	174.9	173.4	171.1	168.2	166.1	167.0	168.0	170.7	177.2
73.5°	168.6	168.9	168.3	166.9	164.6	161.0	159.3	160.2	161.3	164.1	170.8
74°	162.6	162.8	162.4	160.5	157.7	153.9	152.1	153.4	154.5	157.5	164.4
74.5°	157.1	157.0	156.5	154.2	151.4	147.7	145.2	146.6	147.8	150.9	158.0
75°	151.7	151.4	150.1	148.0	144.8	140.9	138.3	139.7	141.5	144.3	151.5
75.5°	146.2	145.7	144.8	141.9	138.6	134.8	131.7	132.6	134.6	137.8	145.1
76°	140.6	140.1	139.9	135.9	132.1	127.7	125.1	125.7	127.9	131.8	138.6
76.5°	135.3	134.5	133.2	129.9	126.0	121.6	118.4	119.3	121.3	124.5	132.3
77°	130.0	129.0	127.3	124.1	119.9	115.3	112.0	112.7	115.3	118.2	126.1
77.5°	124.7	123.6	121.6	118.1	113.8	108.4	105.6	106.1	108.2	112.0	120.0
78°	119.6	118.4	116.3	112.2	107.9	102.8	99.4	99.7	102.2	105.8	114.3
78.5°	114.7	113.3	110.6	106.7	102.2	96.9	93.3	93.5	95.7	99.8	107.9
79°	109.7	108.1	105.2	101.4	96.3	91.0	87.2	87.3	89.6	93.8	102.6
79.5°	104.7	103.0	100.1	95.9	90.8	85.1	81.1	81.2	83.4	88.0	96.2
80°	100.2	98.2	94.9	90.5	85.1	79.4	75.3	75.0	77.7	82.1	89.8
80.5°	95.6	93.4	90.2	85.4	79.9	74.0	69.3	69.4	72.1	76.7	85.5
81°	91.1	88.7	85.3	80.4	74.7	69.6	64.3	63.9	66.5	71.3	79.7
81.5°	86.8	84.3	80.4	75.5	69.1	64.6	59.3	58.3	60.8	66.2	75.0
82°	82.5	80.0	76.2	70.6	64.7	59.5	54.3	52.8	55.7	60.9	69.2
82.5°	78.4	75.7	71.7	66.4	60.2	54.4	49.3	47.7	50.6	56.0	64.2
83°	74.4	71.6	67.9	62.2	55.8	49.3	44.4	42.9	45.6	50.8	59.4
83.5°	70.3	68.0	64.0	58.1	51.3	44.8	39.8	38.2	40.9	46.3	54.8
84°	66.9	64.4	60.2	54.0	47.1	40.4	35.3	33.7	36.5	41.9	50.4
84.5°	63.6	60.8	56.3	49.8	43.0	36.0	31.1	29.3	32.1	37.8	46.2
85°	60.3	57.2	52.4	46.0	39.1	31.9	26.9	25.3	28.0	33.6	41.9
85.5°	57.0	53.6	48.9	42.4	35.3	28.2	23.0	21.8	24.1	30.0	38.0
86°	53.7	50.3	45.5	38.9	31.8	24.6	19.3	18.4	20.9	26.1	34.3
86.5°	50.5	47.0	42.1	35.7	28.5	21.3	15.9	14.9	17.8	22.8	30.7
87°	47.4	44.0	38.9	32.6	25.5	18.3	12.8	11.5	14.6	20.0	27.4
87.5°	44.6	41.1	36.1	29.7	22.6	15.5	10.1	8.0	11.4	17.3	24.2
88°	41.6	38.2	33.2	26.9	19.9	13.0	7.4	5.5	8.3	14.6	21.6
88.5°	39.0	35.5	30.5	24.4	17.5	10.8	6.0	3.5	6.0	11.8	19.0



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	31.5	28.2	23.5	17.7	11.6	6.2	1.8	0.2	1.9	5.6	11.2
90.5°	29.4	26.0	21.4	15.8	10.0	5.1	1.2	0.2	1.2	4.3	9.4
91°	27.2	23.9	19.4	14.1	8.5	4.0	0.9	0.2	0.9	3.3	7.8
91.5°	25.2	21.9	17.6	12.5	7.3	3.0	0.6	0.2	0.7	2.6	6.5
92°	23.2	20.2	15.9	11.0	6.4	2.4	0.5	0.2	0.6	2.1	5.3
92.5°	21.4	18.4	14.3	9.7	5.5	1.9	0.4	0.2	0.5	1.8	4.5
93°	19.7	16.8	12.9	8.5	4.6	1.5	0.3	0.2	0.5	1.6	3.8
93.5°	18.1	15.3	11.6	7.4	3.7	1.3	0.3	0.2	0.5	1.5	3.4
94°	16.6	13.9	10.4	6.7	3.2	1.1	0.3	0.2	0.5	1.4	3.0
94.5°	15.3	12.8	9.3	6.0	2.8	1.0	0.3	0.2	0.5	1.4	2.8
95°	14.0	11.5	8.3	5.2	2.5	0.9	0.3	0.2	0.5	1.4	2.7
95.5°	12.8	10.4	7.4	4.5	2.2	0.8	0.3	0.3	0.4	1.3	2.6
96°	11.7	9.5	6.8	4.0	2.0	0.7	0.3	0.3	0.4	1.3	2.5
96.5°	10.7	8.5	6.1	3.6	1.8	0.6	0.3	0.3	0.4	1.3	2.4
97°	9.7	7.8	5.5	3.2	1.7	0.6	0.3	0.4	0.4	1.2	2.4
97.5°	8.9	7.2	4.9	3.0	1.5	0.6	0.3	0.4	0.4	1.2	2.3
98°	8.1	6.6	4.5	2.8	1.4	0.5	0.4	0.4	0.4	1.2	2.3
98.5°	7.5	6.0	4.1	2.6	1.3	0.6	0.4	0.5	0.4	1.2	2.3
99°	6.9	5.4	3.8	2.4	1.2	0.6	0.4	0.5	0.4	1.2	2.2
99.5°	6.4	5.0	3.6	2.2	1.1	0.6	0.5	0.5	0.4	1.2	2.2
100°	5.9	4.6	3.4	2.1	1.0	0.6	0.5	0.6	0.5	1.2	2.2
100.5°	5.4	4.4	3.2	2.0	1.0	0.6	0.6	0.6	0.5	1.2	2.2
101°	5.1	4.2	3.1	1.8	1.0	0.7	0.6	0.6	0.5	1.1	2.1
101.5°	4.8	4.0	2.9	1.7	1.0	0.7	0.7	0.7	0.6	1.1	2.1
102°	4.6	3.8	2.7	1.6	0.9	0.8	0.8	0.8	0.6	1.2	2.1
102.5°	4.4	3.6	2.6	1.5	0.9	0.8	0.8	0.8	0.7	1.2	2.1
103°	4.2	3.4	2.5	1.5	1.0	0.8	0.9	0.9	0.8	1.2	2.2
103.5°	4.0	3.3	2.3	1.4	1.0	0.9	0.9	1.0	0.8	1.1	2.2
104°	3.8	3.1	2.2	1.4	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	1.0	1.1	2.1
105°	3.4	2.8	2.0	1.3	1.1	1.0	1.0	1.2	1.0	1.1	2.1
105.5°	3.3	2.6	1.9	1.3	1.1	1.0	1.1	1.2	1.1	1.1	2.2
106°	3.1	2.5	1.8	1.3	1.2	1.1	1.3	1.3	1.2	1.2	2.2
106.5°	3.0	2.4	1.8	1.3	1.2	1.1	1.5	1.4	1.4	1.2	2.1
107°	2.8	2.3	1.7	1.3	1.3	1.1	1.6	1.4	1.6	1.1	2.1
107.5°	2.7	2.2	1.6	1.3	1.3	1.1	1.7	1.5	1.6	1.2	2.1
108°	2.5	2.1	1.6	1.3	1.3	1.2	1.7	1.5	1.6	1.2	2.1
108.5°	2.4	2.0	1.5	1.3	1.3	1.2	1.7	1.6	1.6	1.2	2.0
109°	2.3	1.9	1.5	1.4	1.2	1.2	1.6	1.6	1.6	1.3	1.9
109.5°	2.2	1.8	1.5	1.4	1.2	1.3	1.6	1.6	1.5	1.3	1.9
110°	2.1	1.8	1.5	1.4	1.3	1.3	1.7	1.7	1.6	1.3	1.8
110.5°	2.0	1.7	1.6	1.4	1.3	1.3	1.7	1.7	1.6	1.4	1.8
111°	2.0	1.7	1.6	1.5	1.4	1.4	1.8	1.7	1.6	1.4	1.8



TEST NUMBER: P563526

CATALOG NUMBER: 2NWS23C3-UNV-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	1.5	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	1.7	1.6	1.7
113.5°	1.7	1.7	1.7	1.3	1.5	1.7	1.9	1.8	1.7	1.6	1.7
114°	1.7	1.8	1.7	1.3	1.5	1.7	1.9	1.9	1.7	1.7	1.6
114.5°	1.8	1.8	1.7	1.3	1.5	1.7	1.9	1.9	1.7	1.7	1.5
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	1.9	1.8	1.4	1.6	1.7	1.9	1.9	1.7	1.7	1.4
116°	1.8	1.9	1.8	1.4	1.6	1.8	1.9	1.9	1.7	1.8	1.4
116.5°	1.9	1.9	1.7	1.5	1.6	1.8	1.9	1.9	1.7	1.8	1.5
117°	1.9	1.9	1.6	1.5	1.6	1.9	1.9	1.9	1.7	1.8	1.5
117.5°	2.0	1.9	1.5	1.5	1.7	2.1	1.9	1.8	1.7	1.8	1.5
118°	2.0	2.0	1.5	1.6	1.7	2.2	1.9	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	1.6
119°	2.0	1.9	1.5	1.7	1.8	2.3	1.9	1.7	1.6	2.4	1.6
119.5°	2.0	1.8	1.6	1.7	1.8	2.3	1.9	1.8	1.7	2.4	1.6
120°	2.1	1.7	1.6	1.7	1.8	2.2	2.0	1.8	1.7	2.2	1.6
120.5°	2.1	1.6	1.6	1.7	1.9	2.2	2.0	1.8	1.7	2.1	1.7
121°	2.0	1.6	1.7	1.8	1.9	2.1	2.0	1.8	1.7	2.1	1.7
121.5°	1.9	1.6	1.7	1.8	2.0	2.1	2.0	1.8	1.8	2.2	1.7
122°	1.7	1.6	1.7	1.8	2.0	2.1	2.1	1.8	1.8	2.2	1.8
122.5°	1.6	1.6	1.8	1.9	2.0	2.1	2.1	1.8	1.8	2.1	1.8
123°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.9	1.8	2.1	1.9
123.5°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.9	1.8	2.1	1.9
124°	1.6	1.7	1.9	2.0	2.1	2.2	2.2	1.9	1.8	2.2	1.9
124.5°	1.6	1.8	1.9	2.0	2.2	2.2	2.2	1.9	1.9	2.2	1.9
125°	1.7	1.8	1.9	2.0	2.3	2.2	2.2	1.9	1.9	2.2	2.0
125.5°	1.7	1.8	2.0	2.1	2.4	2.2	2.2	1.9	1.9	2.2	2.0
126°	1.7	1.9	2.0	2.1	2.5	2.2	2.2	1.9	1.9	2.2	2.1
126.5°	1.8	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	2.1	2.2	2.7	2.2	2.2	1.9	1.9	2.2	2.2
127.5°	1.8	2.0	2.1	2.2	2.8	2.2	2.3	2.0	1.9	2.2	2.4
128°	1.9	2.0	2.1	2.2	2.8	2.2	2.3	2.0	2.0	2.2	2.6
128.5°	1.9	2.0	2.1	2.3	2.8	2.2	2.3	2.0	2.0	2.2	2.7
129°	1.9	2.0	2.2	2.3	2.7	2.2	2.3	2.0	2.0	2.2	2.8
129.5°	2.0	2.1	2.2	2.3	2.7	2.1	2.3	2.0	2.0	2.2	2.7
130°	2.0	2.1	2.2	2.4	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	2.5
131°	2.1	2.1	2.3	2.5	2.6	2.1	2.3	2.0	2.0	2.1	2.5
131.5°	2.1	2.2	2.3	2.5	2.6	2.1	2.3	2.0	2.0	2.1	2.5
132°	2.1	2.2	2.3	2.6	2.6	2.1	2.3	2.1	2.0	2.1	2.5
132.5°	2.1	2.2	2.4	2.8	2.6	2.1	2.3	2.1	2.0	2.1	2.5
133°	2.2	2.3	2.4	3.0	2.5	2.1	2.3	2.1	2.0	2.1	2.5
133.5°	2.2	2.3	2.4	3.1	2.5	2.1	2.3	2.1	2.1	2.1	2.5



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	2.3	2.4	2.5	3.4	2.6	2.2	2.4	2.1	2.1	2.1	2.6
135.5°	2.3	2.4	2.6	3.4	2.6	2.2	2.4	2.1	2.1	2.2	2.6
136°	2.3	2.4	2.6	3.3	2.6	2.3	2.4	2.1	2.1	2.2	2.6
136.5°	2.4	2.5	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	3.0	3.0	2.6	2.4	2.4	2.1	2.1	2.3	2.6
138°	2.5	2.6	3.2	3.0	2.6	2.4	2.5	2.1	2.2	2.3	2.6
138.5°	2.5	2.6	3.3	2.9	2.6	2.4	2.5	2.2	2.2	2.3	2.6
139°	2.5	2.7	3.5	2.9	2.5	2.5	2.5	2.2	2.2	2.4	2.6
139.5°	2.5	2.7	3.6	2.9	2.5	2.5	2.5	2.2	2.2	2.4	2.5
140°	2.6	2.8	3.6	2.9	2.4	2.5	2.5	2.2	2.2	2.4	2.5
140.5°	2.6	2.9	3.6	3.0	2.3	2.5	2.6	2.2	2.2	2.5	2.5
141°	2.7	3.1	3.5	3.0	2.3	2.6	2.6	2.2	2.2	2.5	2.5
141.5°	2.7	3.2	3.3	3.0	2.3	2.6	2.6	2.3	2.3	2.5	2.5
142°	2.8	3.4	3.2	3.0	2.3	2.6	2.6	2.3	2.3	2.5	2.4
142.5°	2.9	3.5	3.1	3.0	2.3	2.6	2.6	2.3	2.3	2.6	2.4
143°	3.0	3.7	3.1	3.0	2.3	2.6	2.5	2.3	2.3	2.6	2.4
143.5°	3.2	3.7	3.0	2.9	2.3	2.6	2.5	2.3	2.3	2.6	2.4
144°	3.4	3.6	3.0	2.9	2.3	2.6	2.5	2.3	2.3	2.6	2.4
144.5°	3.6	3.5	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°	3.8	3.2	3.1	2.7	2.4	2.6	2.4	2.3	2.3	2.7	2.4
146°	3.7	3.1	3.1	2.6	2.4	2.7	2.4	2.3	2.3	2.7	2.5
146.5°	3.6	3.1	3.1	2.5	2.4	2.7	2.4	2.3	2.3	2.7	2.5
147°	3.4	3.0	3.1	2.4	2.4	2.7	2.4	2.3	2.3	2.7	2.5
147.5°	3.3	3.0	3.0	2.4	2.4	2.7	2.4	2.3	2.3	2.7	2.5
148°	3.2	3.1	3.0	2.3	2.4	2.7	2.4	2.4	2.3	2.7	2.6
148.5°	3.1	3.1	2.9	2.3	2.5	2.7	2.4	2.4	2.3	2.7	2.6
149°	3.1	3.1	2.8	2.3	2.5	2.7	2.4	2.4	2.3	2.7	2.6
149.5°	3.0	3.1	2.7	2.2	2.5	2.7	2.4	2.4	2.3	2.7	2.6
150°	3.1	3.1	2.6	2.2	2.5	2.7	2.4	2.4	2.3	2.7	2.6
150.5°	3.1	3.0	2.5	2.2	2.5	2.7	2.3	2.4	2.3	2.7	2.7
151°	3.1	3.0	2.4	2.3	2.6	2.7	2.4	2.4	2.3	2.7	2.7
151.5°	3.1	2.9	2.4	2.3	2.6	2.7	2.4	2.4	2.2	2.7	2.7
152°	3.1	2.8	2.3	2.3	2.6	2.7	2.4	2.4	2.2	2.7	2.7
152.5°	3.0	2.7	2.2	2.3	2.6	2.7	2.5	2.3	2.2	2.7	2.8
153°	3.0	2.6	2.2	2.3	2.6	2.7	2.4	2.3	2.2	2.7	2.8
153.5°	2.9	2.5	2.2	2.4	2.6	2.7	2.4	2.3	2.2	2.7	2.8
154°	2.8	2.4	2.2	2.4	2.6	2.7	2.4	2.3	2.2	2.7	2.8
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	2.7	2.6	2.4	2.2	2.2	2.7	2.8
155.5°	2.4	2.2	2.2	2.5	2.7	2.6	2.4	2.3	2.2	2.7	2.8
156°	2.3	2.2	2.3	2.5	2.7	2.6	2.4	2.3	2.2	2.7	2.8



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9	1053.9
0.5°	1055.2	1053.4	1053.7	1059.0	1055.4	1054.2	1052.8	1053.5	1055.5	1055.0	1053.5
1°	1058.1	1052.7	1053.7	1055.1	1055.9	1055.6	1052.3	1052.5	1054.3	1052.7	1053.4
1.5°	1053.2	1053.3	1052.7	1054.6	1055.0	1052.9	1053.0	1054.2	1054.3	1055.2	1053.2
2°	1051.8	1052.3	1052.7	1054.7	1055.1	1057.9	1052.2	1051.3	1055.0	1055.1	1055.5
2.5°	1051.8	1051.8	1051.7	1057.2	1054.1	1054.0	1052.5	1052.6	1054.5	1057.0	1053.3
3°	1050.8	1051.3	1051.3	1053.0	1053.0	1053.4	1050.3	1052.1	1054.5	1055.4	1052.6
3.5°	1049.6	1050.5	1050.4	1051.1	1052.2	1051.5	1051.8	1051.1	1052.9	1053.7	1051.0
4°	1048.9	1048.7	1050.0	1052.8	1051.0	1051.3	1050.6	1050.5	1052.3	1051.6	1051.8
4.5°	1047.1	1047.6	1048.5	1053.2	1052.1	1051.7	1050.3	1049.8	1051.6	1051.8	1050.6
5°	1045.4	1047.2	1047.6	1049.3	1050.4	1047.5	1048.7	1048.6	1051.0	1051.2	1049.3
5.5°	1044.5	1045.2	1045.6	1053.6	1048.3	1050.6	1046.3	1047.8	1049.5	1050.8	1048.9
6°	1043.0	1043.6	1044.1	1047.3	1046.7	1045.6	1047.3	1046.8	1048.7	1049.2	1049.0
6.5°	1041.8	1041.9	1042.9	1044.1	1045.3	1043.8	1045.3	1045.4	1046.8	1048.2	1046.8
7°	1039.7	1040.2	1041.7	1043.6	1043.3	1044.2	1043.0	1043.0	1046.4	1047.3	1045.6
7.5°	1037.6	1038.9	1039.3	1040.9	1042.2	1045.0	1042.5	1042.2	1044.1	1044.7	1043.6
8°	1036.1	1036.9	1037.5	1040.5	1040.1	1040.2	1038.0	1040.2	1043.0	1043.7	1042.5
8.5°	1034.4	1034.1	1035.6	1037.6	1038.7	1034.5	1037.2	1038.1	1041.0	1041.6	1040.2
9°	1031.3	1032.0	1033.1	1034.8	1034.3	1037.0	1033.8	1036.6	1039.4	1039.7	1038.5
9.5°	1028.9	1029.9	1030.5	1033.9	1033.1	1035.8	1032.8	1034.3	1037.2	1039.3	1037.0
10°	1027.1	1027.8	1027.7	1031.6	1031.3	1031.2	1031.4	1032.7	1034.6	1040.5	1035.3
10.5°	1024.2	1024.2	1026.2	1028.9	1028.8	1028.6	1029.1	1029.5	1032.8	1035.8	1032.6
11°	1021.2	1022.0	1023.5	1027.8	1028.9	1026.0	1028.2	1027.2	1030.0	1051.8	1029.9
11.5°	1018.1	1019.2	1020.3	1026.3	1023.7	1022.9	1025.4	1024.7	1027.8	1027.8	1026.1
12°	1014.8	1016.3	1017.4	1019.7	1021.2	1020.2	1021.9	1022.5	1025.3	1025.5	1024.8
12.5°	1012.6	1013.5	1015.2	1015.6	1017.6	1016.3	1018.6	1020.2	1021.7	1023.0	1022.0
13°	1009.1	1010.5	1012.0	1014.4	1013.8	1018.9	1017.1	1016.5	1019.1	1020.2	1021.5
13.5°	1006.2	1006.7	1007.8	1020.2	1013.7	1008.2	1010.9	1015.0	1016.0	1017.6	1016.4
14°	1001.8	1003.5	1004.5	1007.3	1008.7	1005.7	1009.5	1010.4	1012.6	1014.1	1013.6
14.5°	998.7	1000.2	1000.6	1004.1	1005.8	1007.8	1004.8	1006.2	1009.9	1010.4	1010.4
15°	995.7	996.9	997.5	1000.5	1006.8	1007.7	1002.0	1004.0	1006.6	1008.1	1007.0
15.5°	992.2	992.3	993.7	994.5	996.1	998.5	998.0	1000.5	1003.2	1003.9	1004.3
16°	987.2	988.5	990.1	996.5	992.4	997.0	994.8	996.3	999.1	1001.1	999.5
16.5°	984.1	984.7	985.7	988.6	988.8	993.7	990.8	993.3	995.2	996.8	995.5
17°	980.2	981.0	982.0	985.9	985.7	987.4	987.3	988.7	990.8	993.3	992.2
17.5°	975.6	976.5	977.4	982.9	981.3	980.8	982.8	983.5	987.6	988.6	989.5
18°	971.0	972.1	973.9	974.4	976.6	979.1	979.3	980.1	983.1	985.1	985.8
18.5°	966.7	968.2	969.1	972.5	974.3	974.0	974.2	975.8	978.9	981.4	980.9
19°	962.0	963.5	964.7	970.5	968.6	966.7	969.0	973.1	974.2	976.3	976.5
19.5°	958.6	958.3	960.0	961.4	962.9	964.7	966.0	961.7	970.1	971.8	973.1
20°	952.7	953.8	955.2	958.4	957.6	959.9	960.2	960.4	965.5	967.9	968.2
20.5°	947.8	949.4	950.0	953.3	954.4	954.2	955.4	958.1	960.7	963.4	963.3
21°	942.2	943.8	945.3	948.5	945.9	947.4	949.7	954.7	954.4	958.1	958.4



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	927.4	928.2	929.6	929.3	932.7	933.7	934.7	936.0	942.0	942.8	944.2
23°	922.2	923.1	924.3	923.3	926.2	928.6	929.5	930.5	935.6	938.0	937.9
23.5°	916.5	917.5	918.3	921.7	920.4	923.5	923.8	926.2	930.3	933.1	933.7
24°	910.7	912.1	913.0	916.6	917.5	917.4	918.9	921.2	924.8	927.7	928.2
24.5°	904.8	906.1	906.8	913.9	909.6	906.6	912.8	915.9	919.5	921.6	923.2
25°	899.0	899.9	901.0	903.3	902.4	907.3	906.9	909.9	913.1	916.4	916.9
25.5°	893.0	894.5	895.1	896.4	899.2	899.9	900.4	903.3	907.8	911.0	912.5
26°	887.7	888.5	889.5	890.4	892.6	892.5	895.3	897.7	900.4	905.0	905.1
26.5°	881.8	882.4	882.5	884.8	885.5	886.8	890.2	890.1	895.8	898.6	900.5
27°	875.1	875.9	877.0	879.7	879.1	879.7	881.9	885.1	882.3	892.9	893.5
27.5°	869.4	869.1	869.9	873.1	873.1	873.6	877.8	878.8	883.7	886.3	888.8
28°	862.1	862.7	863.7	864.5	864.5	866.9	868.2	873.8	876.7	880.2	882.2
28.5°	856.3	856.4	857.6	857.2	859.3	864.0	860.6	864.7	870.2	875.1	875.1
29°	849.2	850.3	851.1	856.5	852.0	854.0	853.4	862.1	865.0	868.6	869.4
29.5°	842.7	843.2	844.1	844.9	846.9	846.7	849.9	852.9	857.4	861.7	862.1
30°	836.2	836.4	836.9	839.7	838.6	839.7	842.1	840.9	850.6	855.0	856.4
30.5°	829.2	829.6	830.0	831.9	831.6	831.1	835.1	838.9	844.0	847.9	849.7
31°	822.1	822.8	823.3	823.8	824.6	825.3	825.8	833.7	837.0	841.5	846.7
31.5°	815.9	816.1	815.9	817.2	816.0	820.3	819.7	822.1	829.5	833.9	836.4
32°	808.6	809.0	809.1	811.4	810.8	810.1	812.6	819.3	823.2	827.8	829.7
32.5°	801.9	801.6	801.6	802.6	802.2	803.7	805.9	809.5	815.7	821.0	823.3
33°	794.4	794.7	794.5	793.9	794.6	792.6	797.8	803.8	808.4	813.5	815.8
33.5°	787.3	787.0	786.4	787.0	788.1	783.0	790.2	793.8	801.1	806.4	808.6
34°	779.9	779.3	779.0	780.1	779.8	787.8	781.8	788.2	794.0	798.5	800.9
34.5°	773.1	772.7	772.0	772.8	771.0	770.9	775.2	780.6	786.3	791.4	793.6
35°	765.3	764.7	764.1	765.2	763.7	759.3	768.2	770.3	778.5	784.0	787.4
35.5°	757.8	757.2	756.2	757.3	756.1	758.7	760.2	764.5	771.3	776.5	779.6
36°	750.1	749.5	748.6	751.0	748.6	751.0	751.2	754.9	763.4	769.2	772.8
36.5°	743.7	742.5	741.2	741.4	739.6	738.8	745.4	748.5	755.7	762.1	764.9
37°	735.0	734.8	733.0	731.6	730.6	732.4	734.4	741.1	747.5	754.1	757.3
37.5°	727.1	726.4	724.7	724.8	724.8	724.3	727.7	732.7	739.3	746.2	750.8
38°	719.4	718.5	717.2	717.4	714.9	714.5	718.8	725.2	731.9	738.0	740.7
38.5°	711.8	710.7	709.2	709.1	707.4	707.5	710.8	716.8	724.0	730.2	733.8
39°	704.1	702.6	701.1	703.0	698.4	697.9	701.9	708.6	715.9	722.5	726.6
39.5°	696.4	695.1	692.8	691.5	690.7	694.5	693.2	700.6	707.7	714.3	718.5
40°	688.0	686.5	684.5	683.2	682.5	683.1	684.7	692.1	699.5	706.8	709.6
40.5°	680.2	679.0	676.5	675.7	673.1	675.2	676.5	683.1	690.8	698.0	702.4
41°	672.3	670.6	667.9	666.6	670.6	666.5	668.8	674.3	682.9	690.5	695.1
41.5°	664.7	662.4	660.1	665.3	657.4	656.8	661.0	665.6	675.1	682.0	687.0
42°	656.3	654.7	652.0	650.0	647.3	649.2	651.8	657.4	666.9	673.7	678.3
42.5°	648.0	646.0	643.5	640.9	639.2	641.6	643.1	649.2	658.5	665.3	670.3
43°	639.9	638.0	635.2	632.0	632.0	631.1	635.1	640.9	649.5	657.4	663.2
43.5°	632.2	629.9	626.8	625.0	622.6	622.1	626.4	631.5	641.0	648.8	654.1



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	607.5	604.9	601.4	601.0	598.0	597.2	600.7	608.8	616.6	624.0	629.3
45.5°	599.2	596.5	593.5	591.1	588.4	588.8	591.5	597.3	607.9	616.0	622.0
46°	591.3	588.4	585.0	582.0	580.5	580.4	582.4	593.0	599.3	607.8	612.7
46.5°	582.7	579.7	576.8	575.5	572.2	571.8	575.1	583.0	590.8	599.4	604.4
47°	574.6	571.8	567.9	565.2	561.0	563.4	566.2	575.5	582.3	590.8	596.0
47.5°	566.6	563.5	559.9	555.7	555.2	554.8	557.7	566.0	573.9	582.3	588.1
48°	558.1	555.4	551.3	549.1	546.3	546.3	549.8	555.3	565.4	573.7	579.9
48.5°	549.9	547.0	543.2	539.5	536.9	537.7	541.1	546.3	557.0	565.7	573.2
49°	541.5	539.0	534.6	532.4	525.8	529.6	532.1	539.7	548.6	556.9	562.6
49.5°	533.5	530.4	526.3	523.4	521.1	520.9	523.5	528.8	540.2	549.0	555.7
50°	525.0	522.0	518.1	515.0	512.1	512.7	515.7	522.2	531.9	540.2	544.1
50.5°	516.9	513.8	510.0	506.7	503.2	504.1	506.9	515.0	523.3	531.7	537.3
51°	509.0	505.4	501.7	498.6	495.9	496.0	498.7	503.8	515.1	523.6	529.4
51.5°	501.2	497.3	493.3	489.9	487.2	487.4	490.8	497.3	506.4	514.9	521.5
52°	492.2	489.3	485.2	482.3	479.1	479.5	482.4	487.0	498.4	507.2	513.3
52.5°	484.2	480.9	476.7	473.7	470.7	471.3	474.2	479.4	489.7	498.4	504.6
53°	475.1	472.8	468.9	465.9	462.6	463.3	466.0	473.2	482.0	490.3	496.0
53.5°	452.7	464.5	460.9	456.4	454.0	454.9	457.8	463.9	473.0	481.9	488.0
54°	459.7	456.7	452.6	447.3	446.3	447.3	450.0	457.1	465.3	473.7	479.9
54.5°	451.1	448.5	444.5	442.9	439.0	439.1	442.1	449.6	457.0	465.4	471.3
55°	443.1	440.7	436.4	433.8	430.0	431.4	433.8	439.3	448.8	457.3	463.6
55.5°	436.2	432.7	428.7	425.5	421.7	423.3	426.0	433.1	440.8	449.2	455.6
56°	426.6	424.7	420.6	417.0	414.8	415.1	418.4	424.6	432.7	441.3	446.8
56.5°	419.7	416.7	412.9	409.5	407.6	407.6	410.5	416.8	424.9	433.0	438.9
57°	411.4	408.8	404.9	403.1	401.3	399.5	402.5	409.1	416.8	425.3	430.5
57.5°	405.2	400.6	397.0	394.1	392.2	392.2	395.3	401.2	409.0	417.0	422.6
58°	396.3	393.1	389.4	386.3	385.6	384.2	387.5	393.1	401.3	408.8	414.7
58.5°	388.4	385.5	381.9	379.0	379.0	377.0	379.8	385.4	393.2	401.1	406.7
59°	380.4	377.6	374.2	370.5	364.1	369.2	372.4	378.1	385.7	393.3	398.7
59.5°	372.6	369.8	366.8	363.9	361.0	361.9	365.4	370.4	378.0	385.3	390.7
60°	364.7	361.9	359.0	356.8	354.3	354.4	357.3	362.6	370.4	377.4	382.2
60.5°	359.4	354.8	351.9	348.8	346.7	347.2	350.3	355.7	362.9	369.6	374.8
61°	349.0	347.1	344.2	341.4	339.7	340.0	342.8	348.1	355.2	362.5	366.6
61.5°	344.2	339.8	336.9	334.9	332.3	332.9	335.3	341.0	347.5	354.4	359.2
62°	334.1	331.9	329.1	326.7	325.1	325.8	328.5	333.3	339.9	346.9	351.3
62.5°	326.4	324.5	322.0	320.2	319.2	318.5	321.1	326.0	332.6	339.0	343.2
63°	319.4	317.1	314.9	312.4	310.7	311.8	314.2	318.6	325.4	331.6	335.4
63.5°	311.5	310.0	307.8	305.2	304.3	304.4	307.1	311.5	318.0	324.3	328.3
64°	304.4	302.8	300.7	298.5	297.3	297.9	300.2	304.5	310.5	316.6	320.4
64.5°	296.5	295.4	293.6	291.4	291.0	290.9	293.5	297.5	303.4	309.2	312.8
65°	289.3	288.2	286.5	285.2	284.1	284.4	286.5	290.9	296.6	302.1	305.5
65.5°	282.3	281.0	279.5	278.5	277.0	277.2	279.4	283.9	289.6	294.4	297.7
66°	275.0	273.9	272.4	270.9	270.0	270.9	272.7	277.1	282.3	287.0	290.5



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	253.6	252.9	252.1	251.4	251.1	251.4	253.2	256.8	261.6	265.8	267.5
68°	247.0	246.2	245.5	245.4	244.3	244.8	246.7	250.1	254.9	258.9	261.1
68.5°	239.2	239.4	239.2	238.2	237.8	238.5	240.2	243.9	248.1	251.7	253.5
69°	232.4	232.5	232.1	231.7	231.4	232.2	233.9	237.3	241.4	244.7	246.0
69.5°	225.1	225.8	225.7	225.4	225.5	226.0	227.8	230.9	234.9	238.1	239.0
70°	219.4	219.3	219.4	219.0	218.9	219.7	221.5	224.5	228.0	231.1	232.3
70.5°	211.2	212.7	213.1	212.7	212.4	213.6	215.8	218.4	221.6	224.3	224.9
71°	204.4	206.2	206.7	207.0	207.1	207.8	209.5	211.8	215.1	217.6	218.6
71.5°	198.4	199.7	200.3	200.6	201.1	201.7	203.6	205.8	209.0	211.0	211.3
72°	191.8	193.1	194.0	194.4	194.9	195.8	197.3	199.7	202.4	204.3	204.9
72.5°	184.9	186.9	188.0	188.9	189.2	189.8	191.4	193.6	196.3	198.0	197.9
73°	178.3	180.6	181.9	182.9	182.9	184.1	185.8	187.5	189.9	191.4	191.5
73.5°	172.4	174.4	176.0	177.0	177.8	178.3	179.7	181.8	183.9	185.0	184.2
74°	166.4	168.8	170.3	171.1	172.6	172.9	173.9	175.9	177.9	178.8	178.1
74.5°	160.3	163.1	164.7	165.7	167.1	167.6	168.6	170.1	171.8	172.5	171.8
75°	154.3	157.5	159.1	160.3	161.7	162.2	163.3	164.8	166.1	166.6	165.6
75.5°	148.2	151.8	153.4	154.9	156.2	156.9	157.9	159.4	160.5	160.7	159.3
76°	136.3	146.1	147.8	149.5	150.8	151.6	152.6	154.1	154.9	154.8	153.1
76.5°	136.5	139.4	142.0	143.8	145.3	146.3	147.2	148.7	149.3	148.8	146.8
77°	129.3	133.9	136.6	139.0	139.8	141.1	142.1	143.0	143.6	143.1	140.6
77.5°	124.0	127.6	131.1	133.8	134.8	135.9	136.9	137.6	138.0	137.1	134.3
78°	118.4	121.5	125.6	128.3	129.8	130.8	131.6	131.9	132.3	131.0	128.2
78.5°	112.5	116.9	120.4	123.1	124.7	125.7	126.6	127.0	127.1	125.6	122.4
79°	106.6	112.6	115.2	117.8	119.5	120.8	121.6	121.9	121.3	119.9	116.5
79.5°	101.1	106.0	110.2	113.0	114.8	115.9	116.7	117.0	116.3	114.3	110.4
80°	95.6	101.4	105.2	108.1	110.8	111.2	111.9	111.9	111.1	109.0	105.1
80.5°	91.1	95.8	100.4	103.5	105.5	106.7	107.1	107.1	106.1	103.7	99.3
81°	85.2	90.6	95.5	99.1	100.9	102.0	102.5	102.3	101.2	98.4	94.2
81.5°	80.2	86.1	90.8	94.2	96.1	97.5	97.9	97.5	96.2	93.4	88.5
82°	75.5	82.7	86.3	89.8	92.1	93.1	93.6	92.9	91.4	88.4	83.4
82.5°	70.8	76.6	81.8	85.6	87.4	88.7	88.9	88.6	86.8	83.7	78.3
83°	66.1	72.3	77.3	81.1	83.1	84.5	84.8	84.1	82.4	78.7	73.4
83.5°	61.7	68.0	73.1	76.8	79.2	80.4	80.6	79.8	77.8	74.1	68.6
84°	58.0	63.7	69.0	72.8	75.4	76.4	76.7	75.7	73.5	69.7	64.1
84.5°	53.2	59.8	64.9	68.7	70.6	72.4	72.4	71.5	69.2	65.4	59.5
85°	49.2	55.6	60.9	64.8	67.2	68.5	68.5	67.5	65.1	61.1	55.1
85.5°	45.4	51.7	57.1	60.9	63.4	64.7	64.8	63.6	61.2	57.0	51.0
86°	41.4	48.1	53.4	57.5	59.7	61.1	61.1	59.8	57.2	52.9	46.9
86.5°	37.8	44.3	49.8	53.7	56.3	57.5	57.3	56.4	53.4	49.2	43.4
87°	34.4	41.0	46.3	50.4	52.8	54.0	53.9	52.6	49.8	45.4	39.4
87.5°	31.2	37.6	43.0	46.9	49.5	50.7	50.6	49.1	46.4	41.9	35.7
88°	28.0	34.4	39.8	43.8	46.2	47.4	47.3	45.8	43.0	38.4	32.3
88.5°	25.1	31.4	36.6	40.6	43.2	44.2	44.1	42.6	39.7	35.2	29.1



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	17.9	23.2	28.2	32.2	34.4	35.5	35.3	33.6	30.7	26.3	21.0
90.5°	15.7	20.9	25.7	29.3	31.8	32.8	32.6	31.1	28.0	23.6	18.8
91°	13.5	19.0	23.2	26.9	29.2	30.2	30.0	28.4	25.4	21.2	16.7
91.5°	11.4	17.0	21.0	24.5	26.9	27.8	27.5	25.9	23.1	19.2	14.5
92°	9.7	15.1	19.2	22.4	24.6	25.4	25.2	23.7	20.8	17.3	12.3
92.5°	8.4	13.2	17.4	20.3	22.3	23.3	23.0	21.4	19.0	15.4	10.2
93°	7.2	11.3	15.6	18.6	20.4	21.3	21.0	19.5	17.3	13.4	8.8
93.5°	6.3	9.9	13.8	17.0	18.8	19.4	19.1	17.9	15.5	11.5	7.7
94°	5.5	8.7	12.1	15.4	17.2	17.9	17.6	16.4	13.7	10.1	6.6
94.5°	4.9	7.7	10.8	13.7	15.6	16.4	16.1	14.8	12.0	9.0	5.8
95°	4.4	6.9	9.7	12.1	14.0	14.9	14.6	13.2	10.8	8.0	5.2
95.5°	4.1	6.2	8.7	10.9	12.4	13.4	13.1	11.6	9.6	7.1	4.7
96°	3.9	5.7	7.9	9.9	11.3	11.9	11.7	10.6	8.7	6.5	4.4
96.5°	3.8	5.3	7.2	9.1	10.4	10.9	10.6	9.6	7.9	5.9	4.1
97°	3.6	5.1	6.7	8.3	9.5	9.9	9.7	8.8	7.3	5.5	4.0
97.5°	3.5	4.9	6.3	7.7	8.7	9.1	9.0	8.1	6.8	5.3	3.8
98°	3.4	4.7	6.0	7.3	8.1	8.5	8.3	7.6	6.4	5.1	3.7
98.5°	3.4	4.6	5.8	6.9	7.7	8.0	7.8	7.2	6.1	4.9	3.6
99°	3.3	4.5	5.7	6.7	7.3	7.6	7.4	6.9	5.9	4.8	3.5
99.5°	3.2	4.4	5.5	6.5	7.1	7.3	7.2	6.7	5.8	4.7	3.5
100°	3.2	4.3	5.4	6.3	6.9	7.1	7.0	6.5	5.7	4.6	3.4
100.5°	3.2	4.2	5.3	6.2	6.7	6.9	6.8	6.3	5.5	4.5	3.4
101°	3.2	4.2	5.2	6.1	6.6	6.8	6.7	6.2	5.4	4.4	3.3
101.5°	3.1	4.1	5.1	5.9	6.5	6.7	6.5	6.1	5.3	4.3	3.3
102°	3.1	4.1	5.0	5.8	6.3	6.5	6.4	6.0	5.2	4.2	3.2
102.5°	3.0	4.0	4.9	5.7	6.2	6.4	6.3	5.8	5.1	4.2	3.2
103°	3.0	4.0	4.8	5.6	6.1	6.3	6.2	5.7	5.0	4.1	3.1
103.5°	3.0	3.9	4.8	5.5	6.0	6.2	6.1	5.6	4.9	4.1	3.1
104°	3.0	3.9	4.7	5.4	5.9	6.1	6.0	5.5	4.9	4.0	3.0
104.5°	3.0	3.9	4.7	5.3	5.8	6.0	5.9	5.5	4.8	4.0	3.0
105°	2.9	3.8	4.6	5.3	5.7	5.9	5.8	5.4	4.8	4.0	2.9
105.5°	2.9	3.8	4.6	5.2	5.6	5.8	5.7	5.3	4.7	3.9	2.9
106°	2.9	3.7	4.5	5.2	5.6	5.7	5.6	5.2	4.7	3.8	2.9
106.5°	2.9	3.7	4.5	5.1	5.5	5.6	5.5	5.2	4.6	3.8	2.9
107°	2.9	3.7	4.4	5.1	5.4	5.6	5.5	5.1	4.6	3.7	2.9
107.5°	2.9	3.6	4.4	5.0	5.4	5.5	5.4	5.1	4.5	3.7	2.9
108°	2.9	3.6	4.3	5.0	5.4	5.5	5.4	5.0	4.4	3.7	2.9
108.5°	2.9	3.6	4.3	4.9	5.3	5.4	5.3	5.0	4.3	3.6	2.8
109°	2.9	3.6	4.2	4.8	5.3	5.4	5.3	4.9	4.3	3.6	2.8
109.5°	2.8	3.6	4.2	4.8	5.2	5.3	5.2	4.8	4.3	3.6	2.7
110°	2.8	3.5	4.1	4.7	5.1	5.2	5.1	4.7	4.2	3.6	2.7
110.5°	2.8	3.5	4.1	4.7	5.0	5.2	5.0	4.7	4.2	3.5	2.7
111°	2.8	3.5	4.1	4.6	5.0	5.1	5.0	4.6	4.2	3.5	2.6



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.7	3.5	4.0	4.5	4.8	4.9	4.8	4.5	4.1	3.4	2.5
113°	2.5	3.4	4.0	4.5	4.8	4.8	4.8	4.5	4.0	3.3	2.4
113.5°	2.4	3.4	4.0	4.4	4.7	4.8	4.7	4.5	4.0	3.3	2.3
114°	2.3	3.4	3.9	4.4	4.7	4.8	4.7	4.4	3.9	3.2	2.2
114.5°	2.2	3.3	3.9	4.4	4.7	4.7	4.7	4.4	3.9	3.2	2.1
115°	2.2	3.3	3.9	4.3	4.6	4.7	4.6	4.3	3.8	3.2	2.0
115.5°	2.1	3.2	3.9	4.3	4.6	4.7	4.6	4.3	3.8	3.1	2.0
116°	2.1	3.2	3.9	4.3	4.5	4.6	4.5	4.3	3.8	3.0	1.9
116.5°	2.0	3.1	3.8	4.2	4.5	4.6	4.5	4.2	3.7	2.9	1.9
117°	2.0	2.9	3.8	4.2	4.5	4.6	4.5	4.2	3.7	2.8	1.8
117.5°	2.0	2.8	3.7	4.2	4.4	4.5	4.4	4.1	3.6	2.7	1.8
118°	1.9	2.7	3.6	4.1	4.4	4.5	4.4	4.1	3.5	2.6	1.7
118.5°	1.9	2.6	3.6	4.1	4.3	4.4	4.3	4.0	3.4	2.5	1.7
119°	1.9	2.5	3.5	4.0	4.3	4.4	4.3	4.0	3.3	2.4	1.7
119.5°	1.8	2.4	3.4	3.9	4.2	4.3	4.3	3.9	3.2	2.3	1.6
120°	1.8	2.4	3.2	3.9	4.2	4.3	4.2	3.8	3.1	2.3	1.6
120.5°	1.7	2.3	3.1	3.8	4.1	4.2	4.1	3.7	3.0	2.2	1.5
121°	1.6	2.3	2.9	3.7	4.0	4.1	4.0	3.6	2.9	2.1	1.4
121.5°	1.6	2.2	2.8	3.6	3.9	4.0	3.9	3.5	2.8	2.1	1.3
122°	1.6	2.2	2.7	3.5	3.8	3.9	3.8	3.4	2.7	2.0	1.3
122.5°	1.6	2.2	2.7	3.3	3.7	3.8	3.7	3.3	2.6	2.0	1.3
123°	1.6	2.1	2.6	3.1	3.6	3.7	3.6	3.1	2.5	2.0	1.3
123.5°	1.7	2.1	2.5	3.0	3.4	3.6	3.5	3.0	2.5	1.9	1.4
124°	1.7	2.0	2.5	2.9	3.3	3.4	3.3	2.9	2.4	1.9	1.4
124.5°	1.7	2.0	2.4	2.8	3.1	3.3	3.2	2.8	2.3	1.9	1.4
125°	1.7	1.9	2.4	2.8	3.0	3.2	3.0	2.7	2.3	1.8	1.5
125.5°	1.8	1.7	2.3	2.7	2.9	3.1	3.0	2.7	2.2	1.6	1.5
126°	1.8	1.6	2.3	2.6	2.9	3.0	2.9	2.6	2.2	1.5	1.5
126.5°	1.8	1.6	2.2	2.6	2.8	2.9	2.8	2.5	2.2	1.5	1.6
127°	1.8	1.7	2.2	2.5	2.7	2.8	2.7	2.5	2.1	1.5	1.6
127.5°	1.9	1.7	2.1	2.4	2.6	2.7	2.6	2.4	2.1	1.5	1.6
128°	1.9	1.7	2.1	2.4	2.6	2.7	2.6	2.3	2.0	1.6	1.6
128.5°	1.9	1.7	1.9	2.4	2.5	2.6	2.5	2.3	1.9	1.6	1.7
129°	2.0	1.8	1.8	2.3	2.5	2.5	2.4	2.2	1.7	1.6	1.7
129.5°	2.0	1.8	1.7	2.2	2.4	2.5	2.4	2.2	1.6	1.7	1.7
130°	2.0	1.8	1.7	2.2	2.4	2.4	2.3	2.1	1.6	1.7	1.8
130.5°	2.1	1.9	1.7	2.1	2.3	2.4	2.3	2.0	1.6	1.7	1.8
131°	2.1	1.9	1.7	1.9	2.3	2.3	2.2	1.9	1.6	1.8	1.8
131.5°	2.2	1.9	1.7	1.7	2.2	2.3	2.2	1.7	1.6	1.8	1.9
132°	2.2	1.9	1.8	1.7	2.1	2.2	2.1	1.6	1.7	1.8	1.9
132.5°	2.2	2.0	1.8	1.7	1.9	2.1	1.9	1.6	1.7	1.9	2.0
133°	2.3	2.0	1.8	1.7	1.7	1.9	1.7	1.6	1.7	1.9	2.0
133.5°	2.3	2.1	1.9	1.7	1.7	1.7	1.6	1.7	1.8	1.9	2.0



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

CATALOG NUMBER: 2NWS23C3-UNV-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	2.6	2.6	2.5	2.5	2.6	2.7
158°	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.7
158.5°	2.5	2.6	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.7	2.8
159°	2.5	2.6	2.5	2.4	2.4	2.5	2.5	2.5	2.6	2.7	2.8
159.5°	2.7	2.7	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.7	2.8
160°	2.8	2.7	2.6	2.5	2.4	2.4	2.5	2.5	2.6	2.8	2.8
160.5°	2.8	2.5	2.6	2.5	2.5	2.5	2.5	2.5	2.7	2.8	2.8
161°	2.8	2.4	2.6	2.5	2.5	2.5	2.5	2.6	2.7	2.8	2.8
161.5°	2.8	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	2.7	2.6	2.6	2.5	2.6	2.6	2.7	2.9	2.8
162.5°	2.3	2.8	2.7	2.7	2.6	2.6	2.6	2.7	2.8	2.9	2.8
163°	2.2	2.8	2.7	2.7	2.6	2.6	2.6	2.7	2.8	2.9	2.8
163.5°	2.5	2.8	2.5	2.7	2.7	2.7	2.7	2.7	2.8	2.9	2.8
164°	2.7	2.8	2.5	2.8	2.7	2.7	2.7	2.8	2.8	2.9	2.8
164.5°	2.7	2.8	2.7	2.8	2.7	2.7	2.8	2.8	2.9	2.9	2.8
165°	2.7	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8
165.5°	2.7	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8
166°	2.6	2.2	2.8	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.8
166.5°	2.6	2.5	2.8	2.5	2.8	2.8	2.8	2.9	2.9	2.9	2.8
167°	2.6	2.7	2.8	2.5	2.8	2.8	2.8	2.9	2.9	2.9	2.7
167.5°	2.5	2.7	2.8	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.7
168°	2.4	2.7	2.5	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.7
168.5°	2.3	2.5	2.1	2.8	2.8	2.9	2.8	2.9	2.9	2.8	2.7
169°	2.0	2.4	2.1	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.7
169.5°	1.8	2.4	2.3	2.8	2.6	2.8	2.8	2.8	2.8	2.8	2.6
170°	1.8	2.0	2.5	2.7	2.5	2.8	2.8	2.8	2.8	2.8	2.4
170.5°	1.8	1.8	2.4	2.6	2.6	2.8	2.8	2.8	2.8	2.7	2.4
171°	1.8	1.8	2.3	2.4	2.7	2.8	2.8	2.8	2.8	2.7	2.4
171.5°	1.8	1.8	1.8	2.0	2.7	2.7	2.8	2.8	2.7	2.7	2.4
172°	1.7	1.8	1.8	1.9	2.5	2.7	2.7	2.7	2.7	2.6	2.3
172.5°	1.7	1.8	1.8	1.9	2.4	2.6	2.7	2.7	2.6	2.6	2.3
173°	1.7	1.8	1.8	1.8	2.4	2.5	2.7	2.7	2.6	2.5	2.3
173.5°	1.7	1.8	1.8	1.8	2.4	2.4	2.6	2.6	2.6	2.4	2.2
174°	1.6	1.7	1.8	1.8	2.1	2.4	2.6	2.6	2.6	2.3	2.1
174.5°	1.7	1.7	1.8	1.8	1.8	2.3	2.5	2.5	2.5	2.2	1.8
175°	1.7	1.7	1.7	1.8	1.7	2.2	2.3	2.5	2.3	2.2	1.7
175.5°	1.7	1.7	1.7	1.7	1.7	2.1	2.2	2.5	2.2	2.1	1.7
176°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.3	2.1	1.7	1.7
176.5°	1.7	1.7	1.6	1.7	1.7	1.7	2.1	2.0	2.0	1.7	1.7
177°	1.7	1.7	1.7	1.6	1.6	1.6	2.0	1.8	1.9	1.7	1.7
177.5°	1.6	1.6	1.7	1.7	1.7	1.6	1.5	1.7	1.8	1.6	1.6
178°	1.7	1.6	1.7	1.6	1.6	1.6	1.5	1.6	1.7	1.6	1.6
178.5°	1.9	1.7	1.7	1.6	1.6	1.5	1.3	1.5	1.4	1.6	1.6



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1053.9	1053.9	1053.9	1053.9
0.5°	1054.5	1052.6	1049.4	1053.9
1°	1053.8	1053.1	1056.2	1054.6
1.5°	1054.6	1052.5	1053.6	1053.3
2°	1053.8	1052.5	1053.3	1053.6
2.5°	1054.2	1051.8	1054.5	1052.9
3°	1053.2	1051.9	1052.6	1054.1
3.5°	1053.4	1051.1	1052.7	1053.2
4°	1052.2	1050.1	1054.0	1052.4
4.5°	1051.2	1051.1	1050.5	1050.6
5°	1051.3	1049.4	1051.3	1050.6
5.5°	1050.1	1048.4	1048.5	1049.3
6°	1049.8	1049.0	1050.4	1048.2
6.5°	1047.3	1045.6	1047.5	1045.8
7°	1045.6	1044.7	1046.5	1046.1
7.5°	1043.9	1044.2	1045.7	1043.9
8°	1042.5	1040.8	1042.8	1042.0
8.5°	1041.2	1040.0	1040.7	1040.3
9°	1039.7	1038.1	1038.8	1039.2
9.5°	1037.1	1037.3	1038.7	1035.6
10°	1035.2	1034.1	1038.1	1036.4
10.5°	1033.4	1031.8	1025.8	1033.2
11°	1030.7	1030.2	1030.1	1030.1
11.5°	1028.6	1026.2	1032.3	1029.2
12°	1025.9	1024.4	1032.6	1025.0
12.5°	1022.9	1022.1	1018.8	1022.0
13°	1021.0	1019.5	1019.8	1018.6
13.5°	1017.4	1016.9	1020.2	1017.4
14°	1014.6	1012.4	1014.2	1012.4
14.5°	1011.5	1010.3	1014.0	1009.0
15°	1007.5	1007.5	1011.2	1010.4
15.5°	1004.6	1002.9	1000.0	1002.8
16°	1001.6	999.3	998.8	1000.8
16.5°	998.4	996.1	1002.6	994.3
17°	993.9	991.1	992.6	994.1
17.5°	989.4	988.3	992.3	989.1
18°	986.4	985.3	987.9	985.7
18.5°	982.6	979.4	981.5	981.3
19°	977.7	977.6	977.8	976.6
19.5°	973.4	971.2	973.4	972.1
20°	969.3	966.7	970.3	968.7
20.5°	965.3	963.6	964.0	963.4
21°	960.2	960.0	961.4	959.3



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	945.7	943.7	950.7	944.9
23°	940.6	939.5	940.8	940.2
23.5°	935.5	935.4	938.9	938.6
24°	929.2	927.8	929.1	930.6
24.5°	924.4	923.6	924.5	936.9
25°	918.6	916.9	918.3	920.2
25.5°	913.2	912.4	913.9	912.1
26°	907.5	904.7	908.4	905.9
26.5°	902.7	902.4	901.9	901.3
27°	896.6	895.8	897.2	894.3
27.5°	890.5	888.8	891.0	888.1
28°	884.4	883.3	884.3	885.3
28.5°	877.8	876.9	878.8	884.5
29°	871.9	870.3	872.7	866.4
29.5°	865.3	865.3	866.2	865.8
30°	858.6	857.6	859.1	857.0
30.5°	852.3	852.2	852.6	851.9
31°	845.8	845.7	846.6	842.9
31.5°	838.9	837.3	840.0	838.7
32°	832.2	832.6	833.1	828.3
32.5°	825.4	826.2	826.6	826.6
33°	818.8	816.2	819.2	817.0
33.5°	811.8	812.0	812.7	809.0
34°	804.1	805.3	805.5	801.5
34.5°	797.1	797.5	798.5	798.4
35°	789.9	790.3	791.1	789.8
35.5°	783.0	782.9	783.1	781.7
36°	775.3	775.7	779.4	775.3
36.5°	768.0	767.3	767.9	767.5
37°	760.2	760.3	761.9	760.5
37.5°	752.6	752.3	753.3	750.5
38°	745.1	745.0	746.8	740.4
38.5°	738.0	738.1	736.6	733.7
39°	729.9	731.0	731.0	726.1
39.5°	722.2	721.7	722.4	723.0
40°	713.8	714.4	716.8	716.7
40.5°	706.3	707.2	708.7	707.1
41°	698.1	699.3	699.9	697.4
41.5°	690.6	691.7	692.8	696.4
42°	683.1	683.5	685.3	682.3
42.5°	674.8	674.3	674.6	673.6
43°	666.4	667.0	668.9	666.1
43.5°	658.4	659.0	660.1	657.9



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	633.7	633.7	635.4	634.0
45.5°	625.9	625.8	627.1	626.1
46°	617.3	617.9	619.8	614.2
46.5°	609.0	609.9	610.7	609.6
47°	600.9	600.6	603.3	601.8
47.5°	592.5	593.4	594.4	592.0
48°	584.4	585.8	586.4	581.7
48.5°	576.0	578.0	577.5	574.9
49°	567.7	568.9	569.4	570.4
49.5°	559.5	560.6	561.8	558.2
50°	550.8	552.1	552.4	552.0
50.5°	542.9	544.6	544.0	545.0
51°	534.6	535.5	536.0	534.3
51.5°	526.6	527.9	527.8	525.9
52°	517.7	519.2	520.0	517.8
52.5°	509.4	511.0	511.0	509.8
53°	501.5	502.4	503.2	500.4
53.5°	493.2	494.6	494.8	492.6
54°	484.6	485.8	486.5	484.5
54.5°	476.5	477.7	477.9	475.6
55°	468.4	469.1	469.8	468.2
55.5°	460.5	461.2	462.0	459.6
56°	451.6	452.6	453.7	451.1
56.5°	443.7	444.4	445.2	442.9
57°	435.4	436.2	437.1	433.6
57.5°	427.1	428.4	427.7	426.0
58°	419.1	420.2	420.5	418.9
58.5°	410.9	412.1	412.0	409.6
59°	402.8	403.6	404.1	403.0
59.5°	394.6	395.5	395.7	393.2
60°	386.6	387.6	387.6	385.5
60.5°	378.7	379.4	379.5	377.0
61°	370.7	371.4	371.7	369.9
61.5°	363.0	363.0	364.0	361.8
62°	354.8	355.7	355.7	352.8
62.5°	346.7	347.4	347.1	345.1
63°	338.8	339.4	338.9	336.9
63.5°	331.0	331.3	331.4	329.0
64°	323.1	323.1	322.6	320.5
64.5°	315.6	315.7	315.2	312.8
65°	307.8	308.3	307.1	304.7
65.5°	300.1	299.9	299.0	296.8
66°	292.5	292.3	292.3	289.1



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	269.7	269.0	268.0	265.2
68°	262.4	261.3	260.3	257.8
68.5°	254.8	254.0	252.5	249.1
69°	247.4	245.9	244.6	241.6
69.5°	240.0	238.6	236.9	234.0
70°	232.7	230.8	229.2	226.8
70.5°	225.4	223.6	221.5	218.5
71°	218.1	216.2	214.1	210.8
71.5°	211.1	209.2	206.7	203.4
72°	203.9	201.3	199.2	196.0
72.5°	196.7	194.4	191.5	188.8
73°	189.8	186.9	184.5	181.4
73.5°	183.0	180.0	177.2	173.9
74°	176.2	173.1	170.2	166.6
74.5°	169.6	166.3	163.1	159.3
75°	163.1	159.4	156.0	152.0
75.5°	156.6	152.6	148.9	144.9
76°	150.0	145.8	141.9	137.9
76.5°	143.5	138.9	135.0	130.6
77°	137.2	132.4	128.3	123.8
77.5°	130.6	125.8	121.7	117.7
78°	124.3	119.2	114.9	110.5
78.5°	118.2	112.9	108.5	103.5
79°	112.0	106.6	101.7	97.7
79.5°	105.9	100.0	95.2	91.1
80°	100.0	94.1	89.1	84.6
80.5°	94.2	88.1	82.8	78.5
81°	88.6	82.2	76.8	72.4
81.5°	83.0	76.5	71.0	67.0
82°	77.5	70.8	65.1	61.6
82.5°	72.2	65.4	59.8	56.2
83°	66.9	60.2	54.3	50.9
83.5°	62.0	54.9	49.0	45.5
84°	57.4	50.1	44.2	40.5
84.5°	52.6	45.3	39.3	35.6
85°	48.3	40.7	34.6	31.1
85.5°	44.0	36.5	30.4	26.7
86°	39.9	32.4	26.2	22.7
86.5°	35.9	28.4	22.8	18.8
87°	32.3	24.8	19.4	15.2
87.5°	28.8	21.9	16.0	11.8
88°	25.4	18.9	12.6	8.6
88.5°	22.3	16.0	9.3	6.9



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	15.0	8.1	3.3	1.9
90.5°	12.5	6.4	2.2	0.3
91°	10.1	4.9	1.5	0.2
91.5°	8.4	3.8	1.0	0.2
92°	7.0	3.0	0.8	0.2
92.5°	5.8	2.4	0.7	0.2
93°	4.9	2.1	0.6	0.1
93.5°	4.2	1.9	0.6	0.1
94°	3.7	1.8	0.6	0.1
94.5°	3.3	1.7	0.6	0.1
95°	3.1	1.6	0.5	0.2
95.5°	2.9	1.5	0.5	0.2
96°	2.8	1.5	0.5	0.2
96.5°	2.7	1.5	0.5	0.2
97°	2.6	1.4	0.5	0.3
97.5°	2.5	1.4	0.5	0.3
98°	2.5	1.4	0.5	0.3
98.5°	2.4	1.3	0.5	0.4
99°	2.4	1.3	0.4	0.4
99.5°	2.4	1.3	0.4	0.5
100°	2.3	1.3	0.5	0.5
100.5°	2.3	1.3	0.5	0.5
101°	2.2	1.3	0.5	0.6
101.5°	2.2	1.2	0.5	0.6
102°	2.2	1.3	0.6	0.7
102.5°	2.2	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	1.1	0.8	0.9
105°	2.1	1.0	0.8	0.9
105.5°	2.0	1.0	0.8	1.0
106°	2.0	1.0	0.9	1.0
106.5°	2.0	1.0	0.9	1.0
107°	1.9	1.0	0.9	1.1
107.5°	1.9	1.0	1.0	1.1
108°	1.9	1.0	1.0	1.2
108.5°	1.8	1.0	1.1	1.3
109°	1.8	1.0	1.1	1.4
109.5°	1.7	1.0	1.1	1.5
110°	1.7	1.1	1.2	1.5
110.5°	1.6	1.1	1.2	1.5
111°	1.6	1.1	1.2	1.6



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.3	2.3	2.3	2.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	953.9	955.2	942.7	959.0	949.0	947.1	944.7	944.4	941.2	938.4	936.0
22°	949.3	938.9	939.9	953.6	944.3	941.8	939.5	936.6	935.4	932.5	931.8



44°	649.4	648.9	643.4	651.8	639.2	632.6	624.4	617.3	610.1	606.0	604.0
44.5°	642.3	640.5	633.6	643.6	631.0	623.6	615.6	608.7	601.8	597.3	595.7



66.5°	280.7	280.3	277.0	282.9	275.1	270.9	265.2	261.3	257.1	254.5	254.0
67°	272.8	272.4	269.4	273.7	267.7	263.6	258.5	254.8	250.3	247.9	247.1



89°	5.3	5.9	10.0	16.6	23.0	28.9	33.6	37.1	38.9	39.3	38.4
89.5°	3.6	4.5	8.1	14.4	20.6	26.4	31.1	34.5	36.3	36.7	35.8



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



134°	2.1	2.2	2.1	2.5	3.3	2.5	2.3	2.2	2.2	2.1	2.2
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	2.6	2.7	2.6	2.3	2.2	2.2	2.3	2.4	2.3
157°	2.3	2.1	2.5	2.7	2.6	2.4	2.2	2.2	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°	2.3	2.3	2.2	2.2	1.9	1.7	1.5	1.4	1.2	1.2	1.2





21.5°	934.7	930.3	936.6	933.2	933.7	933.6	932.7	934.4	941.5	929.5	942.9
22°	932.5	931.1	929.9	929.0	928.9	927.1	929.7	928.7	928.3	921.3	941.0



44°	607.2	611.1	615.1	620.8	620.8	620.4	621.3	621.8	624.3	618.7	631.7
44.5°	598.5	604.0	609.2	611.2	613.4	612.7	613.2	613.9	614.4	610.8	622.7



66.5°	255.6	258.3	261.1	262.4	263.1	261.8	261.1	262.0	262.7	263.2	269.7
67°	248.9	251.3	254.1	255.1	255.5	254.4	253.4	254.6	255.1	256.0	262.5



89°	36.4	32.9	28.1	22.0	15.4	8.9	4.6	1.7	4.2	9.1	16.4
89.5°	33.9	30.5	25.7	19.7	13.3	7.2	3.2	0.2	2.8	7.3	13.8



111.5°	1.9	1.7	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	1.8	1.6	1.5	1.7



134°	2.2	2.3	2.5	3.3	2.6	2.2	2.3	2.1	2.1	2.1	2.5
134.5°	2.3	2.3	2.5	3.4	2.6	2.2	2.3	2.1	2.1	2.1	2.5



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



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





21.5°	938.1	937.8	940.0	942.5	942.3	943.5	944.4	945.5	950.4	953.6	952.1
22°	932.2	933.3	935.1	940.7	938.8	943.8	940.0	941.2	945.8	948.4	949.2



44°	623.4	621.5	618.5	617.8	613.9	614.9	617.1	624.0	632.7	640.9	645.7
44.5°	615.6	613.5	610.4	608.5	603.7	605.1	609.1	616.2	625.0	632.6	638.1



66.5°	267.7	267.0	265.8	264.5	263.9	264.2	266.4	270.5	275.5	279.9	283.7
67°	260.8	259.8	258.7	258.6	257.0	257.9	259.6	263.3	268.5	272.8	276.3



89°	22.4	28.4	33.7	37.7	40.1	41.2	41.0	39.5	36.5	32.0	26.1
89.5°	20.2	25.9	30.9	34.7	37.2	38.3	38.1	36.5	33.6	29.1	23.2



111.5°	2.7	3.5	4.1	4.6	4.9	5.0	4.9	4.6	4.1	3.5	2.6
112°	2.7	3.4	4.0	4.6	4.9	4.9	4.9	4.6	4.1	3.4	2.6



134°	2.4	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.1
134.5°	2.6	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.1



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



179°	2.1	2.2	1.8	1.6	1.5	1.4	1.1	1.2	1.3	1.6	1.6
179.5°	2.3	2.3	1.9	1.6	1.3	1.2	1.2	1.1	1.4	1.4	1.7





21.5°	955.4	953.9	957.2	953.9
22°	950.2	950.4	950.5	949.3



44°	650.2	650.8	650.6	649.4
44.5°	642.3	643.4	643.3	642.3



66.5°	284.9	284.8	283.5	280.7
67°	277.4	276.7	275.6	272.8



89°	19.8	13.1	6.9	5.3
89.5°	17.4	10.2	4.9	3.6



111.5°	1.6	1.2	1.2	1.6
112°	1.6	1.2	1.3	1.6



134°	2.1	2.1	2.1	2.1
134.5°	2.1	2.2	2.1	2.1



156.5°	2.9	2.8	2.2	2.3
157°	2.9	2.8	2.2	2.3



179°	1.7	1.9	2.1	2.2
179.5°	2.0	2.2	2.2	2.3



(END OF REPORT)