

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: P563527

Luminaire Tested: **2NWS23C3-UNV-HI-5000K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563527  
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-5000K  
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

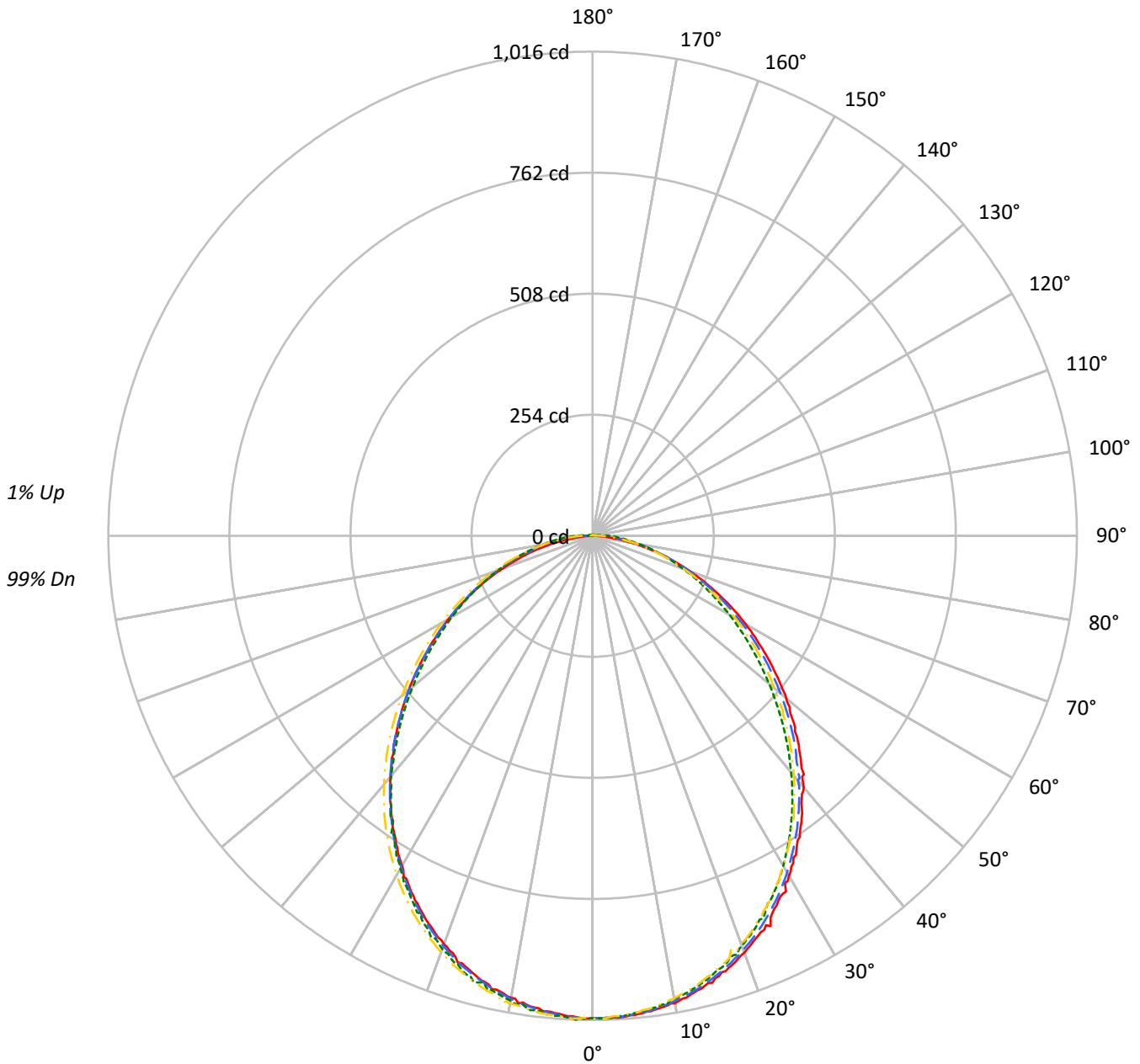
Lumens per Lamp: N/A  
Luminaire Lumens: 2574.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 21.7  
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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CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

### 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°	12310	12310	12310	12310
5°	12275	12074	12193	12084
10°	12203	11789	12065	11838
15°	12084	11472	11876	11603
20°	11861	11089	11623	11170
25°	11634	10638	11325	10754
30°	11288	10134	10966	10219
35°	10945	9540	10541	9570
40°	10562	8888	10123	9000
45°	10056	8187	9592	8308
50°	9557	7476	9074	7615
55°	9000	6768	8516	6930
60°	8402	6079	7930	6249
65°	7732	5410	7222	5607
70°	6952	4741	6423	4952
75°	5942	4054	5462	4308
80°	4607	3335	4080	3624
85°	2829	2712	2299	2920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	3.7
10°-20°	270.7	10.5
20°-30°	400.3	15.6
30°-40°	462.6	18.0
40°-50°	452.1	17.6
50°-60°	382.3	14.9
60°-70°	276.5	10.7
70°-80°	157.6	6.1
80°-90°	55.2	2.1
90°-100°	9.0	0.4
100°-110°	2.8	0.1
110°-120°	2.2	0.1
120°-130°	1.8	0.1
130°-140°	1.7	0.1
140°-150°	1.6	0.1
150°-160°	1.1	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	766.6	29.8
0°-40°	1229.2	47.8
0°-60°	2063.6	80.2
0°-90°	2552.9	99.2
90°-120°	14.0	0.5
90°-150°	19.1	0.7
90°-180°	21.0	0.8
0°-180°	2574.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1013	1013	1013	1013	1013	
5°	1010	1006	1003	1006	1010	96
15°	971	957	954	968	971	273
25°	884	862	861	872	884	407
35°	759	727	731	730	759	474
45°	609	566	581	574	609	470
55°	450	405	426	414	450	402
65°	293	264	273	273	293	290
75°	146	147	134	156	146	155
85°	30	61	24	66	30	35
90°	2	33	0	34	2	2
95°	0	15	0	14	0	0
105°	1	4	1	6	1	1
115°	2	2	2	4	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°	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
0.5°	1012.6	1016.3	1005.3	1025.6	1012.5	1012.3	1012.7	1015.1	1011.6	1013.3	1011.6
1°	1013.3	1014.8	1004.6	1020.6	1012.2	1012.5	1012.4	1016.2	1013.4	1012.5	1011.0
1.5°	1012.0	1014.2	1003.9	1027.4	1011.7	1012.4	1011.9	1016.6	1014.2	1012.8	1010.5
2°	1012.3	1011.8	1003.5	1024.2	1012.0	1011.3	1012.8	1013.5	1012.0	1011.8	1012.4
2.5°	1011.6	1010.1	1003.5	1019.8	1013.8	1011.1	1011.2	1011.3	1011.6	1013.3	1009.4
3°	1012.8	1011.9	1003.5	1020.3	1011.2	1011.4	1011.2	1016.3	1009.7	1009.7	1009.0
3.5°	1012.0	1009.1	1002.3	1019.3	1010.9	1009.8	1010.1	1014.1	1010.7	1009.3	1007.9
4°	1011.1	1015.7	1007.5	1023.9	1010.1	1009.6	1009.1	1009.8	1008.9	1008.8	1007.9
4.5°	1009.5	1011.1	1001.9	1020.3	1009.7	1008.2	1007.6	1010.4	1008.4	1007.1	1007.6
5°	1009.5	1012.5	1000.3	1016.6	1008.8	1007.2	1007.8	1007.9	1006.9	1005.6	1004.2
5.5°	1008.2	1007.5	1001.0	1018.4	1006.6	1005.4	1006.0	1008.2	1006.3	1004.8	1002.8
6°	1007.1	1011.1	998.5	1012.9	1005.5	1005.2	1005.3	1002.4	1004.6	1003.0	1002.4
6.5°	1004.8	1000.9	997.3	1014.4	1005.4	1004.0	1003.5	1006.0	1004.4	1002.1	999.3
7°	1005.1	1008.0	995.7	1013.7	1003.7	1002.0	1002.0	1013.1	1003.1	1000.1	999.4
7.5°	1003.0	1002.4	998.6	1013.2	1001.9	1000.6	1000.4	996.8	1000.7	998.6	996.9
8°	1001.2	1001.6	993.2	1011.8	999.4	998.5	998.2	1000.7	997.5	996.7	993.5
8.5°	999.5	1001.1	990.5	1009.6	998.3	996.9	995.7	995.7	997.4	994.4	992.5
9°	998.5	1004.2	990.5	1006.0	996.1	995.3	994.5	995.7	993.7	995.5	989.5
9.5°	995.1	996.2	987.2	1001.7	994.2	993.5	992.7	994.2	991.0	988.3	988.8
10°	995.8	995.0	985.6	1004.0	991.7	991.1	990.5	989.5	991.7	986.6	987.0
10.5°	992.7	991.7	983.4	999.7	989.4	989.0	987.8	986.1	985.8	984.6	984.4
11°	989.7	988.2	983.2	998.7	988.8	985.9	985.6	986.5	985.4	982.8	981.7
11.5°	988.9	986.8	979.2	992.7	985.0	983.1	982.7	982.6	981.6	979.8	979.0
12°	984.8	984.8	977.5	991.2	982.7	981.2	980.5	979.6	976.1	977.2	975.2
12.5°	981.9	981.2	973.4	989.9	979.5	978.2	977.0	979.2	975.5	973.8	972.0
13°	978.6	981.2	978.0	984.8	976.9	975.6	974.7	972.9	972.6	971.5	969.2
13.5°	977.5	976.5	968.8	991.4	974.8	972.3	971.4	970.3	970.2	968.1	966.0
14°	972.8	974.5	966.9	982.8	970.4	969.1	968.1	969.0	967.4	964.3	962.4
14.5°	969.5	971.8	926.9	980.2	967.1	966.0	964.7	971.9	962.3	961.5	958.4
15°	970.8	967.0	956.5	970.0	964.8	962.5	961.6	962.5	960.8	957.3	955.3
15.5°	963.5	957.5	956.5	976.1	960.8	959.2	957.6	955.9	958.9	952.7	952.3
16°	961.5	962.4	952.6	962.4	956.4	955.7	954.3	953.8	951.4	948.3	948.7
16.5°	955.3	958.2	948.1	967.1	954.0	952.2	949.9	949.1	947.8	946.3	944.7
17°	955.2	953.1	969.7	962.0	950.4	948.3	947.1	946.0	943.2	943.3	939.8
17.5°	950.3	949.8	941.3	959.6	946.0	944.4	942.6	944.5	944.7	938.6	935.9
18°	947.1	946.5	935.7	954.6	941.9	940.9	939.2	939.1	936.4	931.3	931.9
18.5°	942.9	943.8	934.6	949.8	937.3	935.9	935.1	935.1	931.9	928.4	927.7
19°	938.4	939.4	932.6	945.7	934.3	932.1	931.1	931.5	927.7	930.0	922.9
19.5°	934.0	936.7	929.1	941.9	931.2	927.8	926.1	924.9	923.6	920.1	918.8
20°	930.7	927.8	923.6	937.9	926.0	923.1	921.9	919.2	918.6	915.6	914.1
20.5°	925.6	924.3	918.1	933.0	921.3	918.9	917.2	918.4	915.3	910.8	910.2
21°	921.7	920.8	912.6	927.8	916.8	914.3	913.1	912.1	909.9	905.6	904.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	907.9	911.8	898.9	912.5	902.6	899.7	899.0	899.5	894.5	891.3	889.1
23°	903.4	900.6	895.6	912.2	897.4	894.9	893.5	889.6	888.0	884.8	883.0
23.5°	901.9	901.2	888.6	907.0	892.4	890.3	889.8	889.0	883.3	878.2	877.9
24°	894.2	891.8	886.6	900.2	887.1	884.3	889.2	880.3	877.6	879.0	872.6
24.5°	900.2	887.4	878.0	890.4	881.8	879.1	877.1	875.7	871.9	871.2	866.4
25°	884.1	881.5	876.6	889.6	876.3	873.9	870.9	867.2	865.7	862.4	861.8
25.5°	876.4	875.6	867.2	887.3	871.2	868.0	865.0	866.7	860.8	854.1	855.8
26°	870.4	869.5	862.9	876.1	865.3	862.2	860.3	863.0	854.5	851.0	850.1
26.5°	866.0	865.6	856.0	870.9	860.3	856.3	854.9	850.5	848.0	845.2	841.6
27°	859.2	859.1	847.0	863.7	854.2	851.1	847.8	845.3	842.7	838.8	837.4
27.5°	853.3	852.5	843.6	859.0	848.4	845.2	841.6	840.3	838.2	832.8	830.8
28°	850.6	847.9	837.7	852.9	842.0	839.3	836.2	834.9	829.0	826.5	824.2
28.5°	849.8	844.4	835.8	848.1	835.8	832.6	830.1	828.8	822.8	820.1	818.1
29°	832.5	835.0	827.4	840.0	829.7	826.3	824.3	819.7	817.1	813.1	811.0
29.5°	831.8	831.5	821.4	835.2	824.0	820.2	815.7	813.6	809.9	806.7	804.5
30°	823.4	820.0	812.5	830.7	817.6	814.2	809.8	811.7	803.7	800.1	798.0
30.5°	818.6	826.3	809.2	823.0	811.3	807.9	803.8	800.5	797.4	793.0	791.0
31°	809.9	812.1	801.5	814.9	804.7	801.2	797.3	793.3	789.9	785.9	784.5
31.5°	805.9	803.8	803.9	810.6	797.9	794.1	790.4	788.2	782.6	778.7	776.9
32°	795.8	797.9	790.3	808.7	791.3	787.6	783.1	779.7	775.6	771.8	769.2
32.5°	794.2	791.7	779.4	793.5	784.8	780.7	776.5	773.1	768.0	764.2	763.4
33°	785.0	785.5	777.9	789.1	778.2	774.1	769.4	765.5	760.3	757.3	755.3
33.5°	777.3	778.2	770.0	784.2	771.2	767.1	762.4	756.4	753.7	750.1	748.2
34°	770.1	769.4	764.6	785.1	764.2	759.9	754.7	754.0	746.2	743.0	739.4
34.5°	767.1	764.5	757.9	769.4	757.1	752.4	747.4	743.4	737.5	735.0	732.8
35°	758.9	757.2	749.3	763.4	750.5	746.0	740.2	736.1	731.9	727.2	724.9
35.5°	751.1	751.0	742.6	754.9	742.9	738.5	732.9	728.6	722.9	719.6	717.5
36°	744.9	743.2	735.7	746.4	736.2	731.6	725.1	720.0	715.0	711.8	710.6
36.5°	737.4	736.0	729.0	740.2	728.5	723.5	717.1	717.9	709.7	704.1	702.7
37°	730.7	728.5	722.2	734.1	722.0	716.4	710.7	703.9	701.7	696.5	694.4
37.5°	721.1	722.5	714.5	723.6	713.7	708.8	702.5	698.7	692.5	688.1	687.4
38°	711.4	714.6	707.3	717.5	706.4	701.9	694.8	689.3	685.1	680.1	678.7
38.5°	704.9	706.7	701.0	711.2	699.6	693.8	687.6	681.4	676.4	672.4	671.4
39°	697.7	699.5	692.9	705.0	692.1	685.9	678.0	676.5	668.0	664.3	662.3
39.5°	694.7	692.1	685.6	696.6	684.3	678.4	673.4	666.0	661.0	656.3	654.9
40°	688.7	685.0	678.1	680.3	668.6	671.0	665.0	656.8	652.5	648.2	646.5
40.5°	679.4	677.4	671.0	679.7	675.4	662.6	656.2	650.3	643.7	639.8	638.5
41°	670.1	669.8	662.9	672.9	659.1	655.1	647.7	645.3	638.0	631.6	630.3
41.5°	669.1	661.6	655.4	665.3	653.6	647.3	640.6	633.6	628.9	623.3	622.4
42°	655.6	653.8	647.7	657.5	641.6	639.2	631.9	627.5	619.9	615.1	613.4
42.5°	647.2	647.0	639.9	648.8	633.3	631.6	624.0	618.5	611.2	607.2	605.9
43°	640.0	639.3	632.6	645.1	629.6	623.8	615.9	609.8	603.1	598.8	597.5
43.5°	632.1	631.7	625.4	632.8	621.8	615.3	607.9	601.8	595.1	590.2	589.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	609.2	608.5	601.3	609.3	598.0	591.8	583.5	575.9	569.5	565.5	564.9
45.5°	601.6	600.5	593.7	601.5	590.2	583.9	575.6	566.8	561.8	557.3	556.7
46°	590.2	592.2	585.7	593.6	582.4	575.7	567.8	560.5	553.1	548.9	548.0
46.5°	585.7	584.1	577.7	585.8	574.2	567.3	559.2	552.4	545.0	540.7	539.7
47°	578.2	576.4	571.1	578.2	566.3	559.6	550.7	545.0	536.9	533.1	532.6
47.5°	568.8	568.2	560.6	569.5	558.3	551.1	542.6	536.4	528.3	524.4	523.4
48°	558.9	559.2	554.8	561.9	550.8	542.9	534.9	527.9	520.9	516.2	515.5
48.5°	552.3	553.4	546.3	553.9	542.2	534.8	526.6	520.0	511.5	507.7	506.8
49°	548.0	545.1	539.5	545.2	534.5	527.0	518.0	510.9	504.0	500.0	499.7
49.5°	536.3	535.1	530.8	536.8	526.1	519.1	511.0	502.0	495.7	491.7	490.1
50°	530.3	530.8	523.2	529.8	518.3	511.2	502.2	494.7	487.5	483.6	483.3
50.5°	523.6	519.7	514.2	521.2	510.2	502.2	494.0	487.4	479.4	475.4	473.7
51°	513.4	513.1	507.1	513.1	502.6	494.8	485.7	477.8	471.8	467.5	467.1
51.5°	505.3	503.7	499.0	504.7	494.2	486.4	477.8	470.9	463.3	459.3	458.5
52°	497.5	495.7	491.7	496.1	486.2	478.5	470.0	458.5	455.5	451.5	450.8
52.5°	489.8	489.1	483.8	488.7	478.5	470.8	461.9	454.2	447.6	443.6	442.3
53°	480.8	480.7	474.4	480.8	470.0	462.6	453.9	446.6	439.6	435.8	434.6
53.5°	473.3	473.2	465.2	473.4	462.4	454.8	446.1	438.5	431.7	428.0	427.0
54°	465.5	464.9	460.2	465.0	454.7	446.7	437.7	431.1	424.2	420.0	418.9
54.5°	457.0	456.1	451.4	456.8	446.0	439.0	430.1	426.4	416.6	412.5	412.2
55°	449.8	448.5	443.1	449.4	438.3	430.8	422.3	414.5	408.5	404.8	403.6
55.5°	441.6	441.1	437.6	439.2	430.6	423.3	414.3	407.2	401.0	397.1	396.7
56°	433.4	432.9	428.3	432.3	422.8	415.3	407.7	399.7	393.5	389.6	389.1
56.5°	425.5	424.1	423.3	424.2	414.6	407.6	399.4	391.5	385.9	382.0	381.7
57°	416.6	416.3	413.1	416.9	406.8	399.7	391.1	384.0	378.7	374.9	375.5
57.5°	409.3	407.9	404.7	410.7	399.1	392.0	384.1	376.3	370.7	367.2	365.8
58°	402.5	401.3	396.5	400.5	391.4	384.8	376.2	370.8	363.4	359.8	359.9
58.5°	393.6	392.4	388.3	392.7	383.5	376.7	368.5	361.6	356.4	352.8	352.4
59°	387.2	384.3	380.7	384.7	376.0	369.6	361.5	354.7	349.0	345.7	345.0
59.5°	377.8	377.8	372.8	377.4	368.3	361.5	354.1	347.2	341.8	338.2	338.0
60°	370.4	370.2	365.1	369.1	360.3	354.0	346.7	340.6	333.8	331.2	330.8
60.5°	362.2	362.1	357.4	361.4	352.9	346.6	338.9	333.1	327.2	324.4	323.8
61°	355.4	354.3	349.4	353.8	345.5	339.0	332.0	326.3	320.8	317.1	316.3
61.5°	347.6	345.9	341.5	346.3	338.0	331.7	324.3	319.0	313.7	310.2	310.2
62°	338.9	337.7	335.0	337.9	330.1	324.5	317.4	311.2	306.2	303.5	303.7
62.5°	331.6	330.8	326.4	330.1	323.0	317.0	310.3	304.4	300.3	296.8	295.6
63°	323.7	322.4	321.7	322.7	315.2	310.0	303.0	301.9	292.2	290.0	289.8
63.5°	316.1	314.8	312.9	315.0	308.1	302.6	296.5	291.2	286.2	283.3	283.1
64°	307.9	306.3	303.7	307.3	299.7	295.5	289.2	284.5	279.5	276.6	276.1
64.5°	300.5	299.5	296.6	300.0	293.5	288.5	282.5	276.6	272.9	270.4	270.1
65°	292.7	292.1	289.2	293.1	281.6	281.4	275.4	270.7	266.2	263.7	263.2
65.5°	285.1	284.2	281.3	284.9	278.4	274.5	268.5	264.3	259.9	257.3	256.8
66°	277.8	277.1	273.5	277.4	271.7	267.3	261.8	257.7	253.0	250.9	250.0





TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	254.8	254.7	252.4	254.9	250.4	246.5	241.6	238.2	234.0	232.1	231.3
68°	247.7	246.7	245.2	247.8	243.1	239.9	235.3	232.0	228.1	225.8	225.6
68.5°	239.3	238.7	237.6	240.3	236.2	233.0	229.0	225.6	222.2	220.0	219.0
69°	232.1	231.7	230.3	233.3	229.3	226.4	223.3	219.4	215.7	214.1	213.4
69.5°	224.9	224.5	221.7	227.8	222.5	219.7	216.1	213.0	209.8	207.9	207.0
70°	217.9	217.2	214.1	218.9	215.5	213.2	210.0	207.1	204.6	202.1	201.3
70.5°	210.0	210.0	208.2	212.0	208.8	206.6	203.6	200.8	198.1	196.1	195.5
71°	202.5	202.3	201.1	204.6	202.1	200.1	197.6	195.0	192.3	190.6	189.6
71.5°	195.4	196.0	193.8	198.1	195.5	193.7	191.5	189.2	186.5	184.9	184.6
72°	188.3	188.4	187.6	191.6	188.8	187.6	185.3	183.1	180.9	179.3	179.4
72.5°	181.4	181.3	180.3	184.1	182.2	181.2	179.1	177.5	174.9	173.6	173.4
73°	174.3	174.2	173.2	177.4	175.9	175.0	173.5	171.7	169.6	167.9	167.3
73.5°	167.0	166.4	166.3	170.7	169.4	169.0	167.3	166.0	164.1	162.7	161.9
74°	160.1	160.1	159.3	163.7	163.1	162.7	161.8	160.7	158.6	157.3	156.4
74.5°	153.1	152.8	152.6	157.2	156.8	156.9	155.9	154.6	153.2	151.9	151.0
75°	146.1	146.2	146.1	150.5	150.6	151.0	150.1	149.3	148.1	146.7	146.0
75.5°	139.2	139.2	140.2	146.2	144.5	144.9	144.5	143.8	142.8	141.2	140.6
76°	132.5	133.0	132.6	137.7	138.3	139.3	138.6	138.9	137.5	136.9	135.5
76.5°	125.5	126.2	126.6	131.7	132.3	133.5	133.7	133.3	132.4	131.4	130.4
77°	119.0	119.4	120.1	124.5	126.4	127.9	128.1	128.2	127.3	126.3	125.5
77.5°	113.1	112.7	114.3	119.0	120.7	122.1	122.3	122.6	122.3	121.4	120.5
78°	106.1	106.9	107.6	113.0	115.0	116.7	118.0	118.0	117.3	116.6	115.7
78.5°	99.5	100.1	101.7	107.2	109.2	111.4	112.5	113.1	112.7	112.0	111.0
79°	93.9	93.6	95.8	101.0	103.7	106.1	107.3	108.1	107.9	107.4	106.5
79.5°	87.5	87.4	89.4	95.5	98.2	100.8	102.3	103.3	103.2	102.6	101.7
80°	81.3	81.7	83.9	90.0	92.8	95.9	97.4	98.8	98.9	98.3	97.5
80.5°	75.4	76.0	78.5	84.2	87.6	90.7	92.7	94.3	94.5	94.0	93.0
81°	69.6	70.1	72.9	78.8	82.5	85.9	89.0	89.7	90.4	89.8	88.9
81.5°	64.4	65.0	67.8	73.7	77.4	81.1	84.1	85.5	85.9	85.7	84.9
82°	59.2	59.9	63.0	68.4	72.5	76.6	79.6	81.3	81.9	81.8	80.8
82.5°	54.0	54.8	58.1	63.8	67.4	72.0	75.2	77.5	78.0	77.8	76.6
83°	48.9	49.7	53.2	59.2	63.3	67.2	70.9	73.2	74.0	74.0	73.2
83.5°	43.7	44.6	48.4	54.6	59.2	63.5	67.2	69.4	70.4	70.3	69.6
84°	39.0	40.2	43.5	50.1	55.2	59.8	63.7	66.0	67.1	67.8	66.4
84.5°	34.2	35.3	39.0	45.5	51.1	56.2	60.2	62.7	63.8	64.4	63.2
85°	29.9	30.9	34.7	41.3	47.0	52.5	56.7	59.4	60.6	61.1	60.0
85.5°	25.7	26.8	30.7	37.3	43.3	48.9	53.2	56.0	57.3	57.7	56.7
86°	21.8	22.9	26.8	33.6	39.8	45.4	49.7	52.7	54.0	54.4	53.5
86.5°	18.1	19.1	23.2	30.1	36.3	42.1	46.5	49.6	51.0	51.3	50.5
87°	14.6	15.6	19.9	26.8	33.2	38.9	43.4	46.4	48.0	48.4	47.5
87.5°	11.3	12.5	16.9	23.7	30.1	36.0	40.5	43.6	45.3	45.6	44.6
88°	8.3	9.6	14.1	20.9	27.3	33.0	37.6	40.8	42.3	42.9	42.0
88.5°	6.6	7.1	11.8	18.3	24.6	30.3	34.9	38.1	39.8	40.3	39.4



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.9	2.9	6.7	11.9	17.7	23.2	27.5	30.8	32.5	33.0	32.3
90.5°	0.3	1.5	5.6	10.2	15.7	21.0	25.4	28.6	30.4	30.9	30.1
91°	0.2	1.0	4.5	8.7	14.0	19.1	23.4	26.5	28.3	28.8	28.1
91.5°	0.2	0.7	3.5	7.4	12.3	17.2	21.4	24.5	26.2	26.7	26.0
92°	0.2	0.5	2.4	6.4	10.8	15.5	19.6	22.6	24.3	24.9	24.3
92.5°	0.2	0.4	1.9	5.5	9.5	13.9	17.8	20.8	22.5	23.0	22.4
93°	0.1	0.4	1.5	4.6	8.2	12.5	16.2	19.1	20.8	21.3	20.6
93.5°	0.1	0.3	1.2	3.6	7.2	11.2	14.8	17.6	19.1	19.7	19.2
94°	0.1	0.3	1.0	3.1	6.4	10.0	13.4	16.1	17.7	18.2	17.6
94.5°	0.1	0.3	0.9	2.6	5.7	8.9	12.2	14.7	16.3	16.8	16.3
95°	0.2	0.3	0.8	2.3	4.9	7.9	11.0	13.6	14.9	15.4	14.9
95.5°	0.2	0.3	0.7	2.0	4.2	7.0	9.9	12.3	13.7	14.2	13.7
96°	0.2	0.3	0.6	1.8	3.7	6.4	8.9	11.1	12.6	13.0	12.5
96.5°	0.2	0.3	0.6	1.6	3.2	5.8	8.1	10.2	11.5	12.0	11.6
97°	0.2	0.3	0.5	1.5	2.9	5.1	7.3	9.3	10.6	11.0	10.6
97.5°	0.3	0.3	0.5	1.4	2.7	4.5	6.7	8.4	9.7	10.1	9.7
98°	0.3	0.4	0.5	1.2	2.4	4.1	6.1	7.7	8.8	9.2	8.9
98.5°	0.3	0.4	0.5	1.1	2.3	3.7	5.6	7.1	8.1	8.5	8.1
99°	0.4	0.4	0.5	1.0	2.1	3.5	5.0	6.6	7.4	7.8	7.5
99.5°	0.4	0.5	0.5	1.0	2.0	3.2	4.6	6.1	6.9	7.1	6.9
100°	0.5	0.6	0.6	0.9	1.9	3.1	4.3	5.7	6.4	6.7	6.4
100.5°	0.5	0.6	0.6	0.9	1.8	2.9	4.0	5.2	6.0	6.2	5.9
101°	0.6	0.6	0.6	0.9	1.7	2.7	3.8	4.9	5.5	5.7	5.4
101.5°	0.6	0.7	0.7	0.8	1.5	2.6	3.6	4.6	5.1	5.3	5.1
102°	0.6	0.7	0.7	0.8	1.5	2.4	3.4	4.4	4.9	5.0	4.9
102.5°	0.7	0.8	0.7	0.8	1.4	2.3	3.3	4.2	4.6	4.8	4.6
103°	0.7	0.8	0.7	0.9	1.3	2.2	3.1	3.9	4.4	4.6	4.4
103.5°	0.8	0.8	0.7	0.9	1.3	2.0	2.9	3.7	4.2	4.4	4.2
104°	0.8	0.9	0.7	0.9	1.2	1.9	2.8	3.5	4.0	4.2	4.0
104.5°	0.9	1.0	0.8	1.0	1.2	1.8	2.6	3.4	3.8	4.0	3.9
105°	0.9	1.1	0.8	1.0	1.1	1.7	2.5	3.2	3.6	3.8	3.7
105.5°	0.9	1.3	0.8	1.0	1.1	1.7	2.4	3.0	3.5	3.6	3.5
106°	1.0	1.4	0.8	1.1	1.1	1.6	2.2	2.9	3.3	3.4	3.3
106.5°	1.0	1.3	0.9	1.1	1.1	1.5	2.1	2.7	3.1	3.3	3.2
107°	1.0	1.2	0.9	1.1	1.2	1.5	2.0	2.6	3.0	3.1	3.0
107.5°	1.1	1.2	1.0	1.2	1.2	1.4	2.0	2.5	2.8	3.0	2.9
108°	1.1	1.2	1.0	1.1	1.2	1.4	1.9	2.3	2.7	2.8	2.7
108.5°	1.2	1.3	1.1	1.1	1.2	1.4	1.8	2.2	2.6	2.7	2.6
109°	1.3	1.4	1.2	1.1	1.3	1.4	1.7	2.2	2.5	2.6	2.5
109.5°	1.4	1.4	1.2	1.1	1.3	1.4	1.7	2.1	2.3	2.5	2.4
110°	1.4	1.5	1.2	1.1	1.3	1.4	1.6	2.0	2.2	2.3	2.3
110.5°	1.5	1.5	1.2	1.1	1.4	1.4	1.6	1.9	2.2	2.2	2.2
111°	1.5	1.5	1.2	1.1	1.4	1.4	1.5	1.8	2.1	2.1	2.1



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.5	1.3	1.2	1.4	1.5	1.5	1.6	1.8	1.9	1.8
113°	1.6	1.5	1.2	1.2	1.3	1.6	1.6	1.6	1.7	1.8	1.8
113.5°	1.7	1.5	1.2	1.2	1.3	1.6	1.6	1.6	1.7	1.7	1.7
114°	1.7	1.5	1.3	1.2	1.3	1.6	1.6	1.6	1.7	1.7	1.7
114.5°	1.7	1.5	1.4	1.2	1.3	1.6	1.7	1.6	1.7	1.7	1.7
115°	1.8	1.6	1.4	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7
115.5°	1.8	1.7	1.5	1.3	1.4	1.7	1.8	1.7	1.7	1.7	1.7
116°	1.8	1.8	1.6	1.3	1.4	1.7	1.8	1.7	1.7	1.7	1.7
116.5°	1.8	1.8	1.7	1.3	1.4	1.6	1.8	1.8	1.7	1.7	1.7
117°	1.7	1.8	1.8	1.3	1.5	1.5	1.8	1.8	1.8	1.7	1.8
117.5°	1.7	1.8	2.0	1.4	1.5	1.4	1.8	1.9	1.8	1.8	1.8
118°	1.6	1.8	2.0	1.4	1.5	1.4	1.9	1.9	1.9	1.8	1.9
118.5°	1.6	1.8	2.0	1.4	1.6	1.5	1.9	1.9	1.9	1.9	1.9
119°	1.6	1.8	2.0	1.5	1.6	1.5	1.9	1.9	2.0	2.0	2.0
119.5°	1.6	1.8	2.0	1.5	1.6	1.5	1.7	2.0	1.9	2.0	2.0
120°	1.6	1.8	1.9	1.6	1.7	1.5	1.6	2.0	1.9	2.0	1.9
120.5°	1.7	1.9	1.9	1.6	1.7	1.6	1.5	2.0	2.0	2.0	2.0
121°	1.7	1.9	1.9	1.7	1.7	1.6	1.5	1.9	2.0	2.0	2.0
121.5°	1.7	1.9	1.9	1.7	1.7	1.6	1.5	1.8	2.1	2.1	2.1
122°	1.7	1.9	2.0	1.8	1.8	1.7	1.5	1.6	2.0	2.1	2.0
122.5°	1.7	1.9	2.0	1.8	1.8	1.7	1.6	1.5	1.9	2.0	1.9
123°	1.7	1.9	2.1	1.9	1.8	1.7	1.6	1.5	1.7	1.8	1.7
123.5°	1.8	1.9	2.1	1.9	1.8	1.8	1.6	1.5	1.6	1.7	1.6
124°	1.8	2.0	2.2	2.0	1.9	1.8	1.7	1.5	1.5	1.6	1.5
124.5°	1.8	2.0	2.2	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.5
125°	1.8	2.0	2.2	2.1	1.9	1.9	1.7	1.6	1.6	1.5	1.6
125.5°	1.8	2.0	2.2	2.2	2.0	1.9	1.8	1.6	1.6	1.5	1.6
126°	1.8	2.0	2.2	2.3	2.0	1.9	1.8	1.7	1.6	1.6	1.6
126.5°	1.8	2.0	2.1	2.4	2.0	1.9	1.8	1.7	1.6	1.6	1.6
127°	1.8	2.0	2.1	2.5	2.0	2.0	1.9	1.7	1.7	1.6	1.7
127.5°	1.9	2.0	2.1	2.6	2.1	2.0	1.9	1.8	1.7	1.6	1.7
128°	1.9	2.0	2.0	2.5	2.1	2.0	1.9	1.8	1.7	1.7	1.7
128.5°	1.9	2.0	2.0	2.5	2.1	2.0	1.9	1.8	1.8	1.7	1.8
129°	1.9	2.0	1.9	2.5	2.2	2.1	2.0	1.9	1.8	1.7	1.8
129.5°	1.8	2.0	1.8	2.4	2.2	2.1	2.0	1.9	1.8	1.8	1.8
130°	1.9	2.0	1.8	2.4	2.3	2.1	2.0	1.9	1.9	1.8	1.9
130.5°	1.9	2.0	1.9	2.3	2.3	2.1	2.0	1.9	1.9	1.8	1.9
131°	1.9	2.0	1.9	2.3	2.4	2.2	2.0	2.0	1.9	1.9	1.9
131.5°	2.0	2.0	2.0	2.3	2.4	2.2	2.1	2.0	1.9	1.9	1.9
132°	2.0	2.1	2.0	2.3	2.6	2.2	2.1	2.0	2.0	1.9	2.0
132.5°	2.0	2.1	2.0	2.3	2.7	2.3	2.1	2.0	2.0	2.0	2.0
133°	2.0	2.1	2.0	2.4	2.9	2.3	2.1	2.1	2.0	2.0	2.0
133.5°	2.0	2.1	2.0	2.4	3.1	2.3	2.2	2.1	2.0	2.0	2.0



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.0	2.1	2.1	2.4	3.2	2.4	2.3	2.2	2.1	2.1	2.1
135.5°	2.0	2.1	2.1	2.4	3.1	2.5	2.3	2.2	2.1	2.1	2.2
136°	2.0	2.1	2.2	2.4	3.0	2.6	2.3	2.2	2.2	2.1	2.2
136.5°	2.0	2.1	2.2	2.4	3.0	2.7	2.4	2.3	2.2	2.2	2.2
137°	2.1	2.1	2.2	2.4	2.9	2.8	2.4	2.3	2.2	2.2	2.2
137.5°	2.1	2.2	2.2	2.4	2.8	3.0	2.4	2.3	2.3	2.2	2.3
138°	2.1	2.2	2.3	2.3	2.8	3.2	2.5	2.4	2.3	2.2	2.3
138.5°	2.1	2.2	2.3	2.2	2.8	3.3	2.5	2.4	2.3	2.3	2.3
139°	2.1	2.2	2.3	2.2	2.8	3.4	2.5	2.4	2.3	2.3	2.4
139.5°	2.1	2.2	2.4	2.2	2.8	3.5	2.6	2.5	2.4	2.3	2.4
140°	2.1	2.1	2.4	2.1	2.9	3.4	2.7	2.5	2.4	2.4	2.4
140.5°	2.1	2.1	2.4	2.1	2.9	3.3	2.9	2.5	2.4	2.4	2.4
141°	2.2	2.1	2.4	2.1	2.9	3.2	3.1	2.6	2.5	2.4	2.5
141.5°	2.2	2.1	2.4	2.1	2.9	3.1	3.3	2.6	2.5	2.5	2.5
142°	2.2	2.1	2.4	2.1	2.9	3.0	3.4	2.7	2.5	2.5	2.5
142.5°	2.2	2.1	2.5	2.1	2.8	2.9	3.5	2.8	2.6	2.5	2.6
143°	2.2	2.2	2.5	2.2	2.7	2.9	3.6	3.0	2.7	2.6	2.7
143.5°	2.2	2.2	2.5	2.2	2.7	2.9	3.5	3.2	2.8	2.6	2.7
144°	2.2	2.2	2.5	2.2	2.6	2.9	3.4	3.4	2.9	2.7	2.9
144.5°	2.2	2.2	2.5	2.3	2.5	2.9	3.3	3.5	3.1	2.9	3.1
145°	2.2	2.2	2.6	2.3	2.4	3.0	3.1	3.6	3.3	3.1	3.3
145.5°	2.2	2.2	2.6	2.3	2.4	3.0	3.0	3.6	3.5	3.3	3.4
146°	2.2	2.2	2.6	2.3	2.3	3.0	3.0	3.5	3.6	3.4	3.6
146.5°	2.2	2.2	2.6	2.4	2.2	2.9	2.9	3.3	3.6	3.6	3.6
147°	2.2	2.1	2.6	2.4	2.2	2.9	2.9	3.2	3.5	3.6	3.6
147.5°	2.2	2.1	2.6	2.4	2.2	2.8	2.9	3.1	3.4	3.5	3.4
148°	2.2	2.1	2.6	2.4	2.1	2.7	3.0	3.0	3.3	3.4	3.3
148.5°	2.2	2.1	2.6	2.4	2.1	2.7	3.0	3.0	3.2	3.2	3.2
149°	2.1	2.1	2.6	2.5	2.1	2.6	3.0	2.9	3.0	3.1	3.1
149.5°	2.1	2.1	2.5	2.5	2.1	2.5	3.0	2.9	3.0	3.0	3.0
150°	2.1	2.1	2.5	2.5	2.2	2.4	2.9	3.0	2.9	2.9	2.9
150.5°	2.1	2.1	2.5	2.5	2.2	2.3	2.9	3.0	2.9	2.9	2.9
151°	2.2	2.1	2.5	2.5	2.2	2.2	2.8	3.0	3.0	2.9	2.9
151.5°	2.2	2.1	2.5	2.5	2.2	2.2	2.7	3.0	3.0	2.9	3.0
152°	2.2	2.1	2.5	2.5	2.2	2.1	2.6	3.0	3.0	3.0	3.0
152.5°	2.1	2.1	2.5	2.6	2.3	2.1	2.5	2.9	3.0	3.0	3.0
153°	2.1	2.0	2.5	2.6	2.3	2.1	2.4	2.8	3.0	3.0	2.9
153.5°	2.1	2.0	2.5	2.6	2.3	2.1	2.3	2.7	2.9	2.9	2.9
154°	2.1	2.0	2.5	2.6	2.3	2.1	2.2	2.6	2.8	2.9	2.8
154.5°	2.2	2.0	2.5	2.6	2.4	2.1	2.1	2.5	2.7	2.8	2.7
155°	2.2	2.0	2.5	2.6	2.4	2.2	2.1	2.3	2.6	2.7	2.6
155.5°	2.2	2.0	2.5	2.6	2.4	2.2	2.1	2.2	2.5	2.5	2.5
156°	2.2	2.0	2.5	2.5	2.4	2.2	2.1	2.2	2.3	2.4	2.4



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.2	2.0	2.4	2.6	2.5	2.3	2.1	2.1	2.1	2.1	2.1
158°	2.2	2.0	2.4	2.6	2.5	2.3	2.2	2.1	2.0	2.1	2.0
158.5°	2.2	2.0	2.4	2.6	2.5	2.4	2.2	2.1	2.0	2.0	2.0
159°	2.2	2.0	2.4	2.6	2.5	2.4	2.2	2.1	2.0	2.0	2.0
159.5°	2.2	2.0	2.4	2.6	2.5	2.4	2.3	2.2	2.1	2.0	2.0
160°	2.2	1.9	2.4	2.6	2.5	2.4	2.3	2.2	2.1	2.0	2.1
160.5°	2.2	1.9	2.4	2.5	2.5	2.5	2.3	2.2	2.1	2.1	2.1
161°	2.2	1.9	2.4	2.5	2.5	2.5	2.4	2.2	2.1	2.1	2.1
161.5°	2.2	1.9	2.3	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2
162°	2.0	1.9	2.3	2.5	2.5	2.5	2.4	2.3	2.2	2.2	2.2
162.5°	2.0	1.9	2.3	2.5	2.5	2.5	2.4	2.4	2.3	2.2	2.2
163°	1.9	1.9	2.3	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.3
163.5°	1.9	1.9	2.3	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.3
164°	1.9	1.9	2.3	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3
164.5°	1.8	1.9	2.3	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4
165°	1.8	1.9	2.3	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4
165.5°	1.8	1.9	2.3	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.5
166°	1.8	1.9	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
166.5°	1.8	1.8	2.0	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167°	1.7	1.7	2.0	2.4	2.5	2.5	2.6	2.5	2.5	2.5	2.5
167.5°	1.5	1.5	2.0	2.4	2.5	2.5	2.6	2.5	2.5	2.5	2.5
168°	1.5	1.5	2.0	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5
168.5°	1.5	1.5	1.8	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5
169°	1.5	1.5	1.6	2.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5
169.5°	1.5	1.5	1.5	2.0	2.2	2.5	2.5	2.5	2.5	2.5	2.5
170°	1.5	1.5	1.5	1.7	2.2	2.4	2.5	2.5	2.5	2.5	2.5
170.5°	1.5	1.5	1.5	1.6	2.1	2.3	2.4	2.5	2.5	2.5	2.5
171°	1.5	1.5	1.5	1.6	2.1	2.2	2.4	2.5	2.5	2.5	2.5
171.5°	1.5	1.5	1.5	1.6	2.1	2.1	2.4	2.4	2.4	2.5	2.5
172°	1.5	1.5	1.5	1.6	2.0	2.1	2.4	2.4	2.4	2.4	2.4
172.5°	1.5	1.5	1.5	1.5	2.0	2.1	2.4	2.4	2.4	2.4	2.4
173°	1.5	1.5	1.5	1.5	1.8	2.1	2.3	2.4	2.4	2.4	2.4
173.5°	1.4	1.5	1.5	1.5	1.6	2.1	2.3	2.4	2.4	2.4	2.3
174°	1.5	1.5	1.5	1.5	1.6	2.1	2.1	2.4	2.4	2.4	2.2
174.5°	1.5	1.5	1.5	1.6	1.6	2.0	2.1	2.3	2.4	2.4	2.2
175°	1.5	1.5	1.5	1.5	1.6	1.7	2.1	2.3	2.4	2.3	2.1
175.5°	1.5	1.5	1.5	1.5	1.5	1.6	2.1	2.1	2.3	2.2	2.1
176°	1.5	1.5	1.5	1.5	1.5	1.5	1.8	2.1	2.3	2.1	2.0
176.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.1	2.1	1.7
177°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.9	2.0	2.0	1.6
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.8	1.8	1.9	1.6
178°	1.5	1.5	1.5	1.6	1.5	1.5	1.6	1.8	1.7	1.6	1.5
178.5°	2.0	1.9	1.7	1.6	1.5	1.5	1.5	1.5	1.6	1.4	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: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
0.5°	1009.1	1013.4	1015.6	1012.2	1013.3	1010.8	1013.2	1013.1	1015.7	992.0	1023.6
1°	1011.2	1011.5	1013.9	1010.9	1012.1	1011.4	1011.9	1012.8	1011.1	1002.8	1022.2
1.5°	1010.3	1012.0	1015.6	1011.8	1011.3	1008.9	1013.0	1012.8	1006.6	1004.8	1025.7
2°	1013.5	1012.6	1012.9	1009.3	1010.9	1008.9	1012.1	1010.5	1009.2	1002.4	1019.4
2.5°	1010.3	1010.6	1008.9	1009.1	1010.1	1009.1	1010.4	1008.8	1009.7	1002.9	1019.4
3°	1008.5	1010.4	1010.9	1007.4	1009.3	1008.8	1005.2	1009.5	1010.5	1007.8	1019.3
3.5°	1006.8	996.1	1008.1	1007.7	1007.5	1006.6	1007.8	1007.9	1006.1	999.2	1018.0
4°	1005.7	1003.5	1007.9	1006.3	1007.4	1004.6	1007.8	1005.4	1007.5	997.3	1017.0
4.5°	1006.2	1008.8	1007.2	1004.8	1006.2	1007.0	1005.4	1004.8	1005.7	993.9	1022.1
5°	1004.2	1019.7	1007.2	1003.5	1004.0	1000.7	1006.0	1002.8	1003.3	997.6	1017.1
5.5°	1003.4	1004.8	1006.4	1002.1	1002.3	1000.4	1005.6	1002.7	1005.4	995.6	1013.4
6°	1002.3	1002.5	1001.3	1000.8	1002.1	1000.5	1001.5	1002.5	1001.8	993.5	1011.3
6.5°	1000.0	1001.1	1001.3	999.2	999.3	998.3	999.7	998.1	999.6	992.7	1011.3
7°	998.3	1002.3	1000.2	998.4	997.7	997.2	1004.2	997.3	998.8	989.4	1009.9
7.5°	996.3	997.1	997.9	996.0	996.2	994.7	1007.8	996.0	996.6	989.2	1006.5
8°	994.3	995.8	995.0	993.5	993.9	991.0	992.7	994.1	994.0	988.0	1005.4
8.5°	992.5	993.4	992.5	992.0	991.3	988.6	992.9	990.3	992.0	987.2	1001.8
9°	990.6	991.0	990.8	989.1	989.1	986.5	990.6	993.8	989.7	979.7	997.8
9.5°	988.1	989.1	988.8	986.1	987.3	984.4	988.4	984.7	988.0	983.3	1002.5
10°	984.0	986.5	986.1	985.0	984.8	983.6	984.5	984.5	995.2	978.9	1004.4
10.5°	983.0	984.3	983.5	982.0	982.0	981.2	982.3	982.4	983.2	975.2	992.4
11°	979.8	980.3	980.4	979.1	979.5	977.5	979.8	978.6	977.5	972.3	987.1
11.5°	977.1	978.3	978.3	977.0	976.5	976.3	973.4	975.7	975.0	968.8	987.5
12°	974.7	975.4	975.5	973.0	973.7	972.4	973.2	973.1	972.1	966.0	985.5
12.5°	971.8	971.8	972.1	969.6	970.4	970.1	969.7	975.2	973.2	966.2	985.7
13°	968.1	968.8	968.6	967.9	966.6	967.7	967.9	967.0	967.6	951.7	978.0
13.5°	964.7	965.2	965.8	963.4	964.4	963.0	965.1	963.6	963.9	961.2	976.5
14°	961.2	962.4	961.6	959.5	960.6	958.3	959.8	962.2	961.0	946.9	972.8
14.5°	958.4	957.9	956.7	956.8	957.3	955.5	956.7	958.4	957.7	942.7	969.6
15°	955.1	955.6	956.1	953.6	953.3	951.9	955.2	954.1	953.4	948.2	966.0
15.5°	950.8	951.1	950.8	949.7	949.5	947.5	950.8	949.6	950.5	945.3	966.2
16°	947.7	949.9	946.8	945.8	946.0	946.0	945.3	946.0	947.5	938.8	957.8
16.5°	942.6	941.9	943.3	940.3	942.2	942.2	940.7	942.0	941.7	938.0	953.5
17°	939.2	940.2	938.8	938.9	938.4	936.5	940.9	937.7	939.7	934.0	951.6
17.5°	935.7	936.4	937.0	933.7	934.2	931.6	935.9	939.7	934.2	926.8	944.7
18°	930.7	931.7	931.9	930.3	929.8	928.3	930.8	930.2	931.9	924.5	940.9
18.5°	926.3	927.3	929.5	902.2	925.7	924.1	924.5	923.5	926.8	920.6	938.1
19°	921.9	899.9	922.5	926.0	920.1	919.2	920.8	921.0	921.5	915.3	933.8
19.5°	917.7	919.9	917.0	919.0	915.5	914.9	917.2	915.3	917.8	911.1	928.3
20°	913.4	913.6	912.4	906.5	912.1	910.1	912.8	912.0	912.9	908.2	923.6
20.5°	908.3	908.0	908.6	906.7	906.6	905.4	908.0	905.7	909.9	901.1	920.7
21°	903.0	910.0	903.6	901.8	903.2	900.9	901.8	903.4	899.1	900.5	913.1



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	888.1	887.3	889.7	886.6	887.3	885.9	886.8	887.4	889.3	883.5	900.6
23°	883.9	883.3	881.9	881.2	882.7	880.6	884.0	882.5	884.1	878.3	894.0
23.5°	868.3	879.9	878.3	880.3	876.8	874.9	875.7	878.1	877.6	870.6	889.6
24°	871.1	877.0	873.4	871.3	872.2	869.6	872.1	871.4	876.6	862.7	884.1
24.5°	866.0	866.9	865.0	866.1	865.9	864.6	866.5	866.2	868.4	860.6	878.7
25°	860.9	860.7	861.2	860.5	860.6	858.9	860.2	860.6	862.5	854.2	872.6
25.5°	854.2	854.8	856.3	853.9	855.4	853.3	854.0	854.5	853.0	850.6	867.2
26°	849.0	850.1	851.2	848.9	849.0	847.4	849.0	850.9	850.6	843.5	860.7
26.5°	842.6	842.3	844.0	841.8	843.0	841.1	843.6	843.1	847.6	839.1	855.1
27°	837.3	836.3	835.0	838.3	837.5	835.1	837.5	838.7	835.9	832.9	849.4
27.5°	830.8	832.4	834.2	831.3	831.1	829.1	831.1	832.0	832.9	826.6	843.6
28°	824.3	826.2	825.7	825.0	825.5	824.3	824.5	825.3	829.1	820.7	836.8
28.5°	818.5	817.7	820.9	819.5	819.3	816.1	818.7	818.8	817.7	812.1	830.9
29°	812.2	811.6	812.4	812.5	812.9	814.7	812.2	818.1	811.8	807.4	823.0
29.5°	804.9	807.4	807.2	803.2	805.9	805.0	805.6	806.0	806.8	802.5	830.9
30°	787.8	799.2	799.8	799.0	799.9	798.4	799.9	799.9	801.4	796.3	805.9
30.5°	785.4	790.9	794.3	793.7	793.7	791.3	793.0	793.0	795.2	792.5	804.5
31°	782.1	787.4	786.5	786.2	787.4	785.2	786.3	787.3	788.2	782.9	798.6
31.5°	777.9	781.2	780.0	781.0	780.5	778.2	779.5	781.1	780.9	774.6	792.9
32°	772.3	772.3	773.1	774.3	773.6	771.9	772.8	773.0	774.7	769.7	785.7
32.5°	763.2	764.7	766.7	769.1	766.6	765.5	765.7	767.1	768.5	762.8	780.4
33°	756.2	756.5	759.2	758.9	760.0	758.5	759.6	759.3	760.9	755.0	771.7
33.5°	750.6	751.3	752.7	753.1	753.4	751.8	751.0	752.8	752.6	749.8	764.6
34°	742.3	741.5	747.5	745.7	746.3	744.3	746.3	746.9	747.0	742.8	757.5
34.5°	733.7	736.0	738.9	737.8	739.4	738.2	738.4	740.8	739.9	734.3	750.2
35°	726.8	728.7	731.1	730.5	732.2	730.1	731.5	730.9	733.2	729.0	743.1
35.5°	718.3	722.6	729.1	723.6	725.1	723.5	724.6	725.4	725.7	721.8	736.7
36°	711.6	713.6	718.5	717.5	717.7	717.4	717.5	719.2	716.5	715.2	729.0
36.5°	704.5	700.6	708.7	709.5	710.0	709.7	710.1	710.0	712.2	707.5	720.8
37°	693.4	698.9	701.5	702.7	703.4	702.2	702.7	703.5	701.6	700.6	713.7
37.5°	687.3	690.9	693.8	694.4	695.9	694.9	695.4	698.4	697.1	692.5	707.1
38°	681.8	679.0	686.8	687.6	688.0	686.3	688.0	687.9	695.7	686.7	700.3
38.5°	676.2	678.6	679.5	680.9	681.1	679.6	679.9	681.8	680.6	677.7	691.6
39°	662.6	671.3	672.3	672.7	673.8	672.4	673.8	673.9	680.6	671.7	683.9
39.5°	658.2	661.4	663.4	665.1	666.1	665.4	666.0	667.4	667.8	662.3	680.0
40°	646.2	651.3	655.7	657.2	658.7	657.2	658.6	660.1	660.5	655.8	667.1
40.5°	642.4	646.9	648.5	648.9	651.2	649.6	650.6	650.7	651.4	647.7	661.5
41°	632.5	636.1	639.4	637.8	643.3	641.7	643.0	643.3	645.2	637.7	649.6
41.5°	625.8	627.1	631.5	633.5	635.6	635.5	635.5	635.6	636.8	634.7	642.6
42°	616.4	621.7	625.7	626.9	628.4	626.7	627.7	630.6	630.0	627.0	638.2
42.5°	608.2	613.3	617.1	618.2	619.4	619.9	620.1	618.9	621.3	617.5	631.3
43°	599.9	603.3	607.3	612.0	612.5	611.6	612.0	612.7	608.8	611.0	622.9
43.5°	592.3	598.6	599.8	601.7	604.3	603.3	604.7	606.3	605.9	601.8	617.6





TEST NUMBER: P563527

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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	566.8	573.8	575.6	578.1	581.1	580.4	581.2	581.1	582.5	580.6	591.1
45.5°	559.2	565.5	569.3	573.2	573.3	571.6	573.6	573.9	575.9	570.9	584.7
46°	551.0	557.1	560.7	562.1	565.5	565.0	565.2	566.1	567.4	563.1	576.9
46.5°	541.8	548.3	553.1	555.2	557.2	557.3	558.7	558.4	559.5	554.7	565.2
47°	534.3	542.0	544.5	546.8	549.6	549.5	549.9	549.6	550.8	548.6	557.9
47.5°	527.0	531.9	537.0	545.4	541.6	541.5	542.3	542.8	543.5	541.3	552.3
48°	518.2	523.5	529.6	532.0	534.0	533.7	533.6	534.7	536.5	536.1	542.4
48.5°	509.9	516.3	521.5	523.0	526.0	525.9	527.9	527.4	528.5	523.5	534.8
49°	502.5	507.2	511.4	513.9	518.1	517.8	518.7	519.4	519.5	518.1	529.0
49.5°	494.2	498.9	505.7	511.4	510.3	510.7	510.9	511.3	512.3	510.8	520.0
50°	486.0	491.3	498.0	500.5	502.8	502.5	502.9	503.5	504.4	501.6	513.6
50.5°	477.8	483.4	489.6	490.7	494.7	495.1	495.0	496.0	496.0	496.2	502.9
51°	470.1	475.6	480.8	484.4	486.6	486.9	488.5	488.7	488.6	484.0	495.4
51.5°	461.2	467.2	473.3	475.8	479.0	478.5	481.9	480.1	480.8	477.7	487.4
52°	453.9	459.4	466.3	468.3	471.1	470.9	472.4	472.7	473.3	471.9	479.9
52.5°	446.5	451.4	458.8	462.8	463.4	464.1	463.9	464.6	464.9	461.8	471.4
53°	438.5	444.1	451.0	454.0	455.4	457.0	455.9	456.3	457.1	456.4	465.1
53.5°	430.9	435.9	442.8	444.9	447.4	449.0	448.2	448.9	448.8	447.2	456.5
54°	422.2	428.0	434.2	436.8	440.0	440.4	442.5	441.2	441.6	439.8	447.4
54.5°	415.7	420.2	425.5	430.2	431.9	432.1	433.2	433.1	434.1	431.8	442.6
55°	407.1	413.2	419.4	422.5	424.5	424.7	425.0	425.6	426.3	424.5	431.6
55.5°	399.9	405.0	410.3	416.0	416.7	416.9	416.2	417.3	419.4	416.2	425.7
56°	391.9	397.5	403.6	407.3	409.1	412.0	408.9	409.9	410.7	408.6	416.2
56.5°	384.7	390.1	395.7	399.3	401.4	401.8	403.1	402.0	403.3	401.8	408.6
57°	377.6	382.3	389.4	391.1	393.5	393.7	394.1	394.2	394.0	393.5	402.8
57.5°	369.7	374.7	379.8	383.4	386.1	385.0	385.5	386.4	387.5	387.8	394.5
58°	362.5	367.5	373.0	376.7	378.1	378.8	378.4	379.1	380.0	378.2	382.6
58.5°	354.8	359.5	365.6	369.4	370.6	372.2	370.9	372.5	371.7	370.6	377.9
59°	347.7	352.4	357.1	360.6	363.4	364.0	363.7	363.4	363.5	362.9	370.6
59.5°	340.7	342.0	351.5	352.8	355.8	355.3	355.1	356.0	356.1	355.2	363.9
60°	333.7	337.6	342.7	345.5	348.7	347.8	347.4	349.6	349.1	348.7	356.2
60.5°	326.4	330.6	337.2	337.8	340.6	341.8	340.8	340.7	341.1	341.1	348.3
61°	319.2	323.6	326.6	331.1	332.4	333.9	333.2	331.7	333.7	333.1	340.9
61.5°	312.3	316.6	322.0	323.3	325.4	325.2	325.2	325.5	326.7	326.3	331.5
62°	305.3	309.1	314.0	316.2	317.9	318.0	317.8	317.9	318.9	318.5	325.9
62.5°	298.6	302.2	306.4	308.5	311.4	311.0	310.3	310.6	312.3	311.0	317.0
63°	291.4	295.4	299.3	301.2	303.5	303.4	302.5	302.7	304.2	303.6	310.5
63.5°	284.9	288.4	292.3	293.2	296.1	295.4	295.4	295.1	296.6	296.4	302.7
64°	278.2	281.5	284.9	288.2	289.1	288.5	287.7	288.7	290.9	288.7	295.8
64.5°	271.4	274.7	278.4	282.4	281.7	281.4	280.4	282.1	282.0	282.0	289.2
65°	264.9	268.1	271.3	273.8	274.1	273.5	272.9	273.4	273.9	274.8	280.1
65.5°	258.5	261.3	264.4	266.4	266.9	266.3	266.6	266.0	267.7	267.3	273.2
66°	251.7	254.8	257.5	259.2	260.2	259.2	258.4	258.5	260.5	260.2	266.3



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	232.7	235.2	237.5	238.3	238.6	237.2	236.5	237.1	238.5	237.6	245.4
68°	226.7	228.8	230.7	232.5	231.8	230.5	229.5	229.7	231.4	232.0	238.3
68.5°	220.4	222.3	224.2	224.8	224.8	223.2	222.3	222.9	224.0	225.0	231.4
69°	214.3	216.0	217.8	218.2	217.9	216.3	215.1	215.6	216.8	217.3	224.8
69.5°	208.3	209.8	211.1	211.2	210.8	208.9	207.9	207.9	209.5	210.6	217.1
70°	202.2	203.8	204.6	204.8	204.6	202.4	200.8	201.3	202.4	203.3	210.5
70.5°	196.1	197.4	198.4	198.1	197.4	195.2	193.8	194.3	195.7	198.0	203.6
71°	190.2	191.5	192.1	192.0	190.6	188.6	187.3	187.0	189.3	190.3	196.6
71.5°	184.4	185.5	186.3	185.7	184.1	182.2	180.1	180.5	182.2	183.6	191.2
72°	178.8	179.5	180.0	179.4	177.3	174.8	173.4	173.4	175.3	176.9	183.7
72.5°	173.1	173.9	173.5	172.8	170.8	168.1	166.3	166.9	168.0	170.4	175.9
73°	167.5	167.7	168.1	166.6	164.4	161.6	159.6	160.4	161.5	164.1	170.3
73.5°	161.9	162.2	161.7	160.4	158.2	154.7	153.0	153.9	155.0	157.7	164.1
74°	156.2	156.4	156.0	154.2	151.6	147.9	146.1	147.4	148.5	151.4	157.9
74.5°	150.9	150.8	150.4	148.1	145.4	141.9	139.5	140.9	142.0	145.0	151.8
75°	145.8	145.4	144.2	142.2	139.2	135.3	132.9	134.3	135.9	138.7	145.6
75.5°	140.5	140.0	139.1	136.3	133.1	129.5	126.6	127.4	129.4	132.4	139.4
76°	135.0	134.6	134.4	130.6	126.9	122.7	120.2	120.8	122.9	126.6	133.1
76.5°	130.0	129.2	128.0	124.8	121.0	116.8	113.8	114.6	116.6	119.6	127.2
77°	124.9	124.0	122.3	119.2	115.2	110.8	107.6	108.3	110.7	113.6	121.1
77.5°	119.8	118.8	116.8	113.4	109.3	104.1	101.5	102.0	103.9	107.6	115.3
78°	114.9	113.7	111.7	107.8	103.7	98.8	95.5	95.7	98.2	101.7	109.8
78.5°	110.2	108.8	106.3	102.6	98.2	93.1	89.6	89.8	91.9	95.9	103.7
79°	105.4	103.8	101.1	97.4	92.5	87.5	83.8	83.8	86.1	90.1	98.6
79.5°	100.6	99.0	96.1	92.2	87.2	81.7	77.9	78.0	80.1	84.5	92.4
80°	96.3	94.3	91.2	87.0	81.8	76.3	72.3	72.0	74.7	78.9	86.3
80.5°	91.9	89.8	86.7	82.0	76.8	71.1	66.6	66.7	69.2	73.7	82.2
81°	87.5	85.3	81.9	77.3	71.7	66.9	61.8	61.4	63.9	68.5	76.5
81.5°	83.4	81.0	77.3	72.5	66.4	62.0	57.0	56.0	58.4	63.6	72.0
82°	79.3	76.8	73.2	67.8	62.1	57.1	52.2	50.8	53.5	58.5	66.4
82.5°	75.3	72.7	68.9	63.8	57.9	52.2	47.4	45.9	48.6	53.8	61.7
83°	71.4	68.8	65.2	59.8	53.6	47.3	42.7	41.2	43.8	48.8	57.0
83.5°	67.5	65.3	61.5	55.8	49.3	43.1	38.3	36.7	39.3	44.5	52.6
84°	64.3	61.9	57.8	51.8	45.3	38.8	33.9	32.4	35.0	40.3	48.4
84.5°	61.1	58.4	54.1	47.9	41.3	34.6	29.9	28.2	30.8	36.3	44.3
85°	58.0	55.0	50.4	44.2	37.5	30.7	25.9	24.3	26.9	32.3	40.3
85.5°	54.8	51.5	47.0	40.8	33.9	27.1	22.1	21.0	23.1	28.8	36.5
86°	51.6	48.3	43.7	37.4	30.6	23.6	18.5	17.7	20.1	25.1	33.0
86.5°	48.5	45.2	40.5	34.3	27.4	20.4	15.3	14.3	17.1	21.9	29.5
87°	45.6	42.3	37.4	31.3	24.5	17.6	12.3	11.0	14.0	19.2	26.3
87.5°	42.8	39.4	34.7	28.5	21.7	14.9	9.7	7.7	11.0	16.6	23.2
88°	40.0	36.7	31.9	25.9	19.1	12.5	7.1	5.3	7.9	14.0	20.7
88.5°	37.4	34.1	29.3	23.4	16.8	10.4	5.8	3.3	5.7	11.4	18.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	30.3	27.1	22.6	17.0	11.1	5.9	1.7	0.2	1.8	5.4	10.8
90.5°	28.2	25.0	20.5	15.2	9.6	4.9	1.2	0.2	1.2	4.2	9.1
91°	26.2	23.0	18.7	13.5	8.2	3.9	0.8	0.2	0.8	3.2	7.5
91.5°	24.2	21.1	16.9	12.0	7.0	2.8	0.6	0.2	0.7	2.5	6.2
92°	22.3	19.4	15.3	10.6	6.1	2.3	0.5	0.2	0.6	2.0	5.1
92.5°	20.6	17.7	13.8	9.3	5.3	1.8	0.4	0.2	0.5	1.7	4.3
93°	19.0	16.1	12.4	8.1	4.4	1.5	0.3	0.1	0.5	1.6	3.7
93.5°	17.4	14.7	11.1	7.1	3.6	1.2	0.3	0.1	0.5	1.5	3.2
94°	16.0	13.4	10.0	6.4	3.1	1.1	0.2	0.2	0.5	1.4	2.9
94.5°	14.7	12.3	8.9	5.7	2.7	1.0	0.3	0.2	0.4	1.3	2.7
95°	13.4	11.0	8.0	5.0	2.4	0.9	0.3	0.2	0.4	1.3	2.6
95.5°	12.3	10.0	7.1	4.3	2.1	0.7	0.3	0.2	0.4	1.3	2.5
96°	11.2	9.1	6.5	3.8	1.9	0.7	0.3	0.3	0.4	1.2	2.4
96.5°	10.3	8.2	5.9	3.4	1.7	0.6	0.3	0.3	0.4	1.2	2.3
97°	9.4	7.4	5.3	3.1	1.6	0.6	0.3	0.3	0.4	1.2	2.3
97.5°	8.6	6.9	4.7	2.9	1.5	0.5	0.3	0.4	0.4	1.2	2.2
98°	7.8	6.3	4.3	2.7	1.3	0.5	0.3	0.4	0.4	1.2	2.2
98.5°	7.2	5.7	3.9	2.5	1.2	0.5	0.4	0.4	0.4	1.2	2.2
99°	6.7	5.2	3.7	2.3	1.1	0.5	0.4	0.5	0.4	1.2	2.1
99.5°	6.2	4.8	3.5	2.1	1.0	0.6	0.5	0.5	0.4	1.1	2.1
100°	5.7	4.4	3.3	2.0	1.0	0.6	0.5	0.5	0.4	1.1	2.1
100.5°	5.2	4.2	3.1	1.9	0.9	0.6	0.5	0.6	0.5	1.1	2.1
101°	4.9	4.0	2.9	1.8	0.9	0.7	0.6	0.6	0.5	1.1	2.1
101.5°	4.6	3.8	2.8	1.7	0.9	0.7	0.7	0.7	0.6	1.1	2.1
102°	4.4	3.6	2.6	1.6	0.9	0.7	0.7	0.7	0.6	1.1	2.1
102.5°	4.2	3.5	2.5	1.5	0.9	0.8	0.8	0.8	0.7	1.1	2.1
103°	4.0	3.3	2.4	1.4	0.9	0.8	0.8	0.8	0.7	1.1	2.1
103.5°	3.8	3.1	2.2	1.3	0.9	0.8	0.9	0.9	0.8	1.1	2.1
104°	3.7	2.9	2.1	1.3	1.0	0.9	0.9	1.0	0.9	1.1	2.1
104.5°	3.5	2.8	2.0	1.3	1.0	0.9	0.9	1.1	0.9	1.1	2.1
105°	3.3	2.7	1.9	1.2	1.0	0.9	1.0	1.1	1.0	1.1	2.1
105.5°	3.1	2.5	1.8	1.2	1.1	1.0	1.1	1.2	1.0	1.1	2.1
106°	3.0	2.4	1.7	1.2	1.1	1.0	1.2	1.2	1.1	1.1	2.1
106.5°	2.8	2.3	1.7	1.2	1.2	1.0	1.4	1.3	1.4	1.1	2.0
107°	2.7	2.2	1.6	1.2	1.2	1.1	1.5	1.4	1.6	1.1	2.0
107.5°	2.6	2.1	1.6	1.2	1.2	1.1	1.6	1.4	1.6	1.1	2.0
108°	2.4	2.0	1.5	1.3	1.2	1.1	1.6	1.5	1.5	1.1	2.0
108.5°	2.3	1.9	1.5	1.3	1.2	1.1	1.6	1.5	1.5	1.2	1.9
109°	2.2	1.8	1.5	1.3	1.2	1.2	1.6	1.5	1.5	1.2	1.8
109.5°	2.1	1.8	1.5	1.3	1.2	1.2	1.6	1.6	1.5	1.2	1.8
110°	2.0	1.7	1.5	1.4	1.2	1.2	1.6	1.6	1.5	1.3	1.8
110.5°	2.0	1.7	1.5	1.4	1.3	1.3	1.7	1.6	1.5	1.3	1.7
111°	1.9	1.6	1.5	1.4	1.3	1.3	1.7	1.7	1.5	1.3	1.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.7	1.6	1.6	1.4	1.4	1.5	1.7	1.7	1.6	1.5	1.6
113°	1.7	1.6	1.6	1.4	1.4	1.5	1.8	1.7	1.6	1.5	1.6
113.5°	1.7	1.7	1.7	1.3	1.4	1.6	1.8	1.8	1.6	1.5	1.6
114°	1.7	1.7	1.7	1.2	1.4	1.6	1.8	1.8	1.6	1.6	1.5
114.5°	1.7	1.7	1.7	1.2	1.5	1.6	1.8	1.8	1.6	1.6	1.4
115°	1.7	1.7	1.7	1.3	1.5	1.6	1.8	1.9	1.6	1.7	1.4
115.5°	1.7	1.8	1.8	1.3	1.5	1.7	1.8	1.9	1.6	1.7	1.4
116°	1.8	1.8	1.7	1.4	1.5	1.7	1.8	1.8	1.6	1.7	1.4
116.5°	1.8	1.8	1.6	1.4	1.5	1.8	1.8	1.8	1.6	1.7	1.4
117°	1.8	1.8	1.5	1.4	1.6	1.9	1.8	1.8	1.6	1.7	1.4
117.5°	1.9	1.8	1.4	1.5	1.6	2.0	1.8	1.7	1.6	1.8	1.4
118°	1.9	1.9	1.4	1.5	1.6	2.1	1.8	1.7	1.6	1.9	1.5
118.5°	1.9	1.9	1.4	1.5	1.7	2.2	1.8	1.7	1.6	2.1	1.5
119°	1.9	1.9	1.5	1.6	1.7	2.2	1.8	1.7	1.6	2.3	1.5
119.5°	1.9	1.7	1.5	1.6	1.7	2.2	1.8	1.7	1.6	2.3	1.6
120°	2.0	1.6	1.5	1.6	1.8	2.1	1.9	1.7	1.6	2.1	1.6
120.5°	2.0	1.5	1.6	1.7	1.8	2.1	1.9	1.7	1.6	2.0	1.6
121°	1.9	1.5	1.6	1.7	1.8	2.0	1.9	1.7	1.7	2.0	1.6
121.5°	1.8	1.5	1.6	1.7	1.9	2.0	2.0	1.7	1.7	2.1	1.7
122°	1.6	1.5	1.7	1.8	1.9	2.0	2.0	1.8	1.7	2.1	1.7
122.5°	1.5	1.6	1.7	1.8	1.9	2.0	2.0	1.8	1.7	2.0	1.7
123°	1.5	1.6	1.7	1.8	2.0	2.0	2.0	1.8	1.7	2.0	1.8
123.5°	1.5	1.6	1.8	1.8	2.0	2.0	2.0	1.8	1.8	2.0	1.8
124°	1.5	1.7	1.8	1.9	2.1	2.1	2.1	1.8	1.8	2.1	1.8
124.5°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.8	1.8	2.1	1.9
125°	1.6	1.7	1.8	2.0	2.2	2.1	2.1	1.8	1.8	2.1	1.9
125.5°	1.6	1.7	1.9	2.0	2.3	2.1	2.1	1.8	1.8	2.2	1.9
126°	1.7	1.8	1.9	2.0	2.4	2.1	2.1	1.9	1.8	2.2	2.0
126.5°	1.7	1.8	1.9	2.0	2.5	2.1	2.1	1.9	1.8	2.2	2.0
127°	1.7	1.8	2.0	2.1	2.6	2.1	2.1	1.9	1.8	2.1	2.1
127.5°	1.8	1.9	2.0	2.1	2.6	2.1	2.2	1.9	1.9	2.1	2.3
128°	1.8	1.9	2.0	2.1	2.7	2.1	2.2	1.9	1.9	2.1	2.5
128.5°	1.8	1.9	2.0	2.2	2.7	2.1	2.2	1.9	1.9	2.1	2.6
129°	1.9	2.0	2.1	2.2	2.6	2.1	2.2	1.9	1.9	2.1	2.7
129.5°	1.9	2.0	2.1	2.2	2.6	2.1	2.2	1.9	1.9	2.1	2.6
130°	1.9	2.0	2.1	2.3	2.5	2.0	2.2	1.9	1.9	2.0	2.4
130.5°	1.9	2.0	2.2	2.3	2.5	2.0	2.2	1.9	1.9	2.0	2.4
131°	2.0	2.0	2.2	2.4	2.5	2.0	2.2	1.9	1.9	2.0	2.4
131.5°	2.0	2.1	2.2	2.4	2.5	2.0	2.2	2.0	1.9	2.0	2.4
132°	2.0	2.1	2.2	2.5	2.5	2.0	2.2	2.0	1.9	2.0	2.4
132.5°	2.0	2.1	2.3	2.7	2.5	2.0	2.2	2.0	2.0	2.0	2.4
133°	2.1	2.2	2.3	2.8	2.4	2.0	2.2	2.0	2.0	2.0	2.4
133.5°	2.1	2.2	2.3	3.0	2.4	2.1	2.2	2.0	2.0	2.0	2.4



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	2.1	2.1	2.3	2.5	2.6	2.5	2.3	2.1	2.0	2.4	2.6
158°	2.1	2.1	2.3	2.5	2.5	2.5	2.3	2.1	1.9	2.2	2.5
158.5°	2.1	2.2	2.3	2.5	2.5	2.5	2.3	2.1	1.8	2.1	2.6
159°	2.1	2.2	2.3	2.5	2.5	2.5	2.3	2.1	1.8	2.1	2.6
159.5°	2.1	2.2	2.4	2.5	2.5	2.5	2.3	2.2	1.8	2.2	2.5
160°	2.2	2.3	2.4	2.5	2.6	2.4	2.3	2.1	1.9	2.3	2.3
160.5°	2.2	2.3	2.4	2.5	2.5	2.3	2.2	2.1	2.0	2.3	2.2
161°	2.2	2.3	2.4	2.5	2.5	2.3	2.0	1.9	2.0	2.3	2.3
161.5°	2.3	2.4	2.5	2.5	2.4	2.2	1.8	1.9	2.0	2.3	2.6
162°	2.3	2.4	2.5	2.5	2.4	2.2	1.8	2.0	2.0	2.3	2.6
162.5°	2.3	2.4	2.5	2.4	2.4	2.1	2.0	2.0	2.0	2.3	2.6
163°	2.3	2.5	2.5	2.4	2.4	2.0	2.1	1.9	2.0	2.2	2.5
163.5°	2.4	2.5	2.5	2.4	2.4	2.1	2.2	1.9	2.0	2.2	2.5
164°	2.4	2.5	2.5	2.5	2.2	2.2	2.2	1.9	1.9	2.2	2.5
164.5°	2.4	2.5	2.5	2.5	2.1	2.2	2.1	1.9	1.9	2.3	2.5
165°	2.5	2.5	2.5	2.5	2.1	2.2	2.1	1.9	1.9	2.2	2.5
165.5°	2.5	2.5	2.4	2.5	2.2	2.3	2.0	2.0	1.9	2.1	2.5
166°	2.5	2.6	2.4	2.3	2.3	2.2	1.9	1.9	1.7	2.0	2.5
166.5°	2.5	2.6	2.5	2.0	2.4	2.2	1.9	1.7	1.6	2.0	2.4
167°	2.5	2.6	2.5	2.0	2.3	2.1	1.8	1.6	1.6	1.9	2.3
167.5°	2.5	2.5	2.5	2.3	2.2	1.9	1.6	1.6	1.6	1.7	2.1
168°	2.5	2.4	2.5	2.4	2.1	1.7	1.6	1.6	1.6	1.6	1.8
168.5°	2.5	2.4	2.5	2.4	2.1	1.6	1.6	1.6	1.6	1.6	1.7
169°	2.5	2.4	2.3	2.2	1.8	1.6	1.5	1.6	1.6	1.6	1.7
169.5°	2.5	2.5	2.0	2.1	1.6	1.6	1.5	1.6	1.6	1.6	1.7
170°	2.5	2.5	1.8	1.9	1.6	1.5	1.5	1.6	1.6	1.6	1.7
170.5°	2.4	2.4	2.0	1.7	1.6	1.5	1.5	1.6	1.6	1.6	1.7
171°	2.3	2.2	2.1	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.7
171.5°	2.2	2.2	1.8	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.7
172°	2.2	2.1	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.7
172.5°	2.2	1.9	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.7
173°	2.2	1.7	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.7
173.5°	2.2	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.7
174°	2.1	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6
174.5°	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6
175°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6
175.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6
176°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
176.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
177°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7
178°	1.6	1.6	1.6	1.6	1.7	1.8	1.8	2.0	1.9	1.8	1.7
178.5°	1.5	1.6	1.8	1.7	1.9	2.1	2.2	2.2	2.2	2.1	2.0



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**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: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
0.5°	1013.8	1012.1	1012.4	1017.5	1014.0	1012.8	1011.5	1012.2	1014.2	1013.7	1012.2
1°	1016.6	1011.4	1012.4	1013.8	1014.5	1014.3	1011.0	1011.3	1013.0	1011.4	1012.1
1.5°	1012.0	1012.0	1011.4	1013.3	1013.6	1011.7	1011.7	1012.9	1013.0	1013.8	1011.9
2°	1010.6	1011.1	1011.5	1013.4	1013.7	1016.4	1010.9	1010.1	1013.7	1013.7	1014.1
2.5°	1010.6	1010.6	1010.5	1015.7	1012.8	1012.7	1011.3	1011.3	1013.2	1015.6	1012.0
3°	1009.6	1010.1	1010.1	1011.7	1011.7	1012.1	1009.2	1010.9	1013.1	1014.0	1011.3
3.5°	1008.5	1009.4	1009.3	1009.9	1011.0	1010.3	1010.6	1009.9	1011.6	1012.4	1009.8
4°	1007.8	1007.6	1008.9	1011.5	1009.8	1010.1	1009.4	1009.3	1011.1	1010.4	1010.6
4.5°	1006.1	1006.6	1007.4	1012.0	1010.9	1010.5	1009.1	1008.7	1010.4	1010.6	1009.4
5°	1004.5	1006.1	1006.5	1008.2	1009.3	1006.5	1007.6	1007.5	1009.8	1010.0	1008.2
5.5°	1003.6	1004.3	1004.6	1012.3	1007.2	1009.5	1005.3	1006.7	1008.3	1009.6	1007.8
6°	1002.1	1002.7	1003.2	1006.3	1005.7	1004.6	1006.2	1005.8	1007.6	1008.1	1007.9
6.5°	1001.0	1001.1	1002.0	1003.2	1004.3	1002.9	1004.4	1004.5	1005.7	1007.2	1005.8
7°	999.0	999.4	1000.9	1002.7	1002.4	1003.3	1002.2	1002.1	1005.4	1006.3	1004.6
7.5°	996.9	998.1	998.6	1000.1	1001.3	1004.1	1001.6	1001.3	1003.2	1003.8	1002.7
8°	995.5	996.2	996.8	999.7	999.3	999.5	997.3	999.4	1002.1	1002.8	1001.6
8.5°	993.9	993.6	995.0	996.9	998.0	994.0	996.5	997.4	1000.2	1000.8	999.4
9°	990.9	991.5	992.6	994.2	993.7	996.4	993.3	996.0	998.7	999.0	997.8
9.5°	988.5	989.5	990.1	993.4	992.6	995.2	992.3	993.8	996.6	998.6	996.4
10°	986.9	987.5	987.4	991.2	990.9	990.7	991.0	992.2	994.1	999.8	994.7
10.5°	984.0	984.1	985.9	988.5	988.4	988.3	988.8	989.2	992.3	995.2	992.2
11°	981.2	981.9	983.3	987.5	988.6	985.8	987.9	987.0	989.6	1010.6	989.5
11.5°	978.2	979.3	980.3	986.1	983.6	982.8	985.2	984.5	987.5	987.5	985.8
12°	975.1	976.5	977.5	979.8	981.1	980.3	981.8	982.4	985.1	985.3	984.7
12.5°	972.9	973.8	975.4	975.8	977.7	976.5	978.6	980.3	981.6	982.9	981.9
13°	969.6	970.9	972.3	974.7	974.1	978.9	977.2	976.7	979.2	980.2	981.4
13.5°	966.8	967.3	968.3	980.2	974.0	968.7	971.3	975.2	976.2	977.7	976.6
14°	962.5	964.2	965.1	967.9	969.1	966.3	969.9	970.8	973.0	974.4	973.9
14.5°	959.6	961.0	961.4	964.8	966.3	968.3	965.5	966.7	970.4	970.8	970.8
15°	956.7	957.9	958.4	961.3	967.3	968.2	962.7	964.7	967.2	968.6	967.5
15.5°	953.3	953.4	954.8	955.5	957.1	959.4	958.9	961.3	963.9	964.6	964.9
16°	948.5	949.7	951.3	957.4	953.6	957.9	955.8	957.3	960.0	961.9	960.3
16.5°	945.6	946.1	947.0	949.9	950.0	954.7	952.0	954.4	956.2	957.8	956.5
17°	941.8	942.6	943.5	947.2	947.1	948.7	948.6	950.0	952.0	954.4	953.3
17.5°	937.4	938.2	939.1	944.4	942.8	942.3	944.3	944.9	948.9	949.9	950.7
18°	932.9	934.0	935.7	936.2	938.3	940.8	940.9	941.6	944.5	946.5	947.2
18.5°	928.9	930.2	931.1	934.4	936.1	935.8	936.0	937.6	940.5	943.0	942.4
19°	924.3	925.8	926.9	932.5	930.6	928.8	931.0	935.0	936.0	938.0	938.2
19.5°	921.0	920.8	922.4	923.7	925.2	926.8	928.1	924.0	932.1	933.7	934.9
20°	915.3	916.4	917.8	920.8	920.1	922.3	922.5	922.8	927.7	930.0	930.2
20.5°	910.6	912.2	912.8	916.0	917.0	916.8	918.0	920.5	923.0	925.6	925.5
21°	905.3	906.8	908.2	911.4	908.8	910.3	912.5	917.3	917.0	920.5	920.9





TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	891.0	891.8	893.1	892.9	896.1	897.1	898.1	899.3	905.1	905.9	907.2
23°	886.0	886.9	888.1	887.1	889.9	892.2	893.1	894.0	898.9	901.3	901.1
23.5°	880.6	881.5	882.3	885.6	884.4	887.3	887.6	889.9	893.8	896.5	897.1
24°	875.1	876.3	877.2	880.6	881.5	881.4	882.9	885.1	888.6	891.3	891.8
24.5°	869.3	870.6	871.3	878.1	873.9	871.0	877.0	880.0	883.4	885.5	887.0
25°	863.8	864.7	865.7	867.9	867.0	871.8	871.4	874.3	877.3	880.5	881.0
25.5°	858.0	859.5	860.0	861.2	864.0	864.6	865.1	867.9	872.2	875.3	876.7
26°	852.9	853.7	854.6	855.5	857.6	857.6	860.2	862.5	865.1	869.5	869.6
26.5°	847.2	847.8	847.9	850.1	850.8	852.1	855.3	855.2	860.7	863.4	865.3
27°	840.8	841.6	842.6	845.2	844.7	845.2	847.3	850.4	847.8	857.9	858.4
27.5°	835.3	835.0	835.8	838.9	838.8	839.3	843.4	844.4	849.1	851.6	854.0
28°	828.3	828.9	829.8	830.6	830.6	832.9	834.1	839.5	842.3	845.7	847.6
28.5°	822.7	822.9	824.0	823.6	825.6	830.1	826.9	830.8	836.1	840.8	840.8
29°	815.9	817.0	817.7	822.9	818.6	820.5	819.9	828.3	831.1	834.5	835.4
29.5°	809.7	810.2	811.0	811.8	813.7	813.5	816.6	819.5	823.8	827.9	828.3
30°	803.5	803.6	804.1	806.8	805.7	806.8	809.1	807.9	817.2	821.5	822.8
30.5°	796.7	797.1	797.5	799.3	799.0	798.6	802.3	806.1	811.0	814.6	816.4
31°	789.9	790.6	791.0	791.5	792.3	792.9	793.4	801.1	804.2	808.5	813.5
31.5°	783.9	784.1	783.9	785.2	784.0	788.2	787.6	789.9	797.0	801.2	803.6
32°	776.9	777.3	777.4	779.6	779.0	778.3	780.7	787.2	790.9	795.3	797.1
32.5°	770.5	770.2	770.2	771.1	770.8	772.2	774.3	777.8	783.7	788.8	791.0
33°	763.2	763.6	763.3	762.8	763.5	761.5	766.6	772.3	776.8	781.6	783.8
33.5°	756.4	756.1	755.5	756.1	757.2	752.3	759.2	762.7	769.7	774.8	776.9
34°	749.3	748.7	748.5	749.5	749.2	756.9	751.2	757.3	762.9	767.2	769.5
34.5°	742.8	742.4	741.7	742.5	740.8	740.7	744.8	750.0	755.5	760.3	762.5
35°	735.3	734.7	734.2	735.2	733.8	729.5	738.1	740.1	748.0	753.3	756.6
35.5°	728.1	727.5	726.6	727.7	726.4	729.0	730.4	734.5	741.1	746.0	749.0
36°	720.7	720.2	719.3	721.5	719.3	721.6	721.7	725.3	733.5	739.1	742.6
36.5°	714.6	713.4	712.2	712.3	710.6	709.8	716.2	719.1	726.1	732.2	734.9
37°	706.2	706.0	704.3	702.9	702.0	703.7	705.6	712.1	718.2	724.6	727.6
37.5°	698.6	697.9	696.3	696.4	696.4	695.9	699.2	704.0	710.4	716.9	721.3
38°	691.2	690.4	689.1	689.3	686.9	686.5	690.6	696.8	703.2	709.1	711.7
38.5°	683.9	682.8	681.4	681.3	679.6	679.8	683.0	688.7	695.6	701.6	705.0
39°	676.5	675.1	673.7	675.4	671.0	670.5	674.4	680.8	687.8	694.2	698.1
39.5°	669.1	667.9	665.7	664.4	663.7	667.3	666.0	673.2	680.0	686.3	690.3
40°	661.1	659.6	657.7	656.5	655.8	656.3	657.9	665.0	672.0	679.1	681.8
40.5°	653.6	652.4	650.0	649.2	646.8	648.7	650.0	656.3	663.7	670.7	674.9
41°	645.9	644.3	641.7	640.4	644.3	640.4	642.6	647.9	656.1	663.5	667.8
41.5°	638.7	636.5	634.2	639.2	631.6	631.0	635.1	639.5	648.7	655.2	660.1
42°	630.6	629.1	626.4	624.6	621.9	623.8	626.3	631.7	640.7	647.3	651.7
42.5°	622.6	620.7	618.3	615.8	614.1	616.4	617.9	623.8	632.7	639.3	644.0
43°	614.8	613.0	610.3	607.3	607.2	606.3	610.2	615.8	624.0	631.6	637.2
43.5°	607.4	605.3	602.2	600.5	598.2	597.7	601.9	606.7	615.9	623.4	628.5



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	583.7	581.2	577.8	577.4	574.6	573.8	577.2	584.9	592.5	599.6	604.6
45.5°	575.7	573.2	570.2	567.9	565.3	565.8	568.3	573.9	584.0	591.8	597.6
46°	568.1	565.3	562.1	559.2	557.7	557.7	559.5	569.7	575.8	584.0	588.7
46.5°	559.9	557.0	554.2	552.9	549.7	549.4	552.5	560.2	567.6	575.9	580.7
47°	552.1	549.3	545.6	543.0	539.0	541.3	544.0	552.9	559.5	567.6	572.7
47.5°	544.4	541.4	537.9	534.0	533.4	533.1	535.9	543.8	551.4	559.5	565.0
48°	536.2	533.6	529.7	527.6	524.9	524.9	528.3	533.5	543.3	551.2	557.1
48.5°	528.4	525.5	521.9	518.4	515.9	516.6	519.9	524.9	535.1	543.5	550.8
49°	520.2	517.8	513.6	511.5	505.2	508.9	511.2	518.6	527.1	535.1	540.6
49.5°	512.6	509.6	505.7	502.9	500.7	500.5	503.0	508.1	519.0	527.5	534.0
50°	504.4	501.6	497.8	494.8	492.0	492.6	495.5	501.8	511.1	519.1	522.8
50.5°	496.6	493.7	490.0	486.9	483.5	484.3	487.0	494.8	502.8	510.9	516.3
51°	489.0	485.5	482.0	479.0	476.5	476.6	479.1	484.0	494.9	503.0	508.7
51.5°	481.5	477.8	473.9	470.7	468.1	468.3	471.6	477.8	486.6	494.8	501.1
52°	472.9	470.1	466.2	463.4	460.3	460.7	463.5	467.9	478.9	487.3	493.2
52.5°	465.2	462.0	458.0	455.1	452.3	452.8	455.6	460.6	470.5	478.9	484.9
53°	456.5	454.2	450.5	447.7	444.5	445.1	447.7	454.6	463.1	471.1	476.6
53.5°	435.0	446.3	442.8	438.5	436.2	437.0	439.8	445.7	454.5	463.0	468.9
54°	441.7	438.8	434.9	429.7	428.9	429.7	432.3	439.2	447.0	455.2	461.1
54.5°	433.4	430.9	427.1	425.6	421.8	421.9	424.8	432.0	439.1	447.1	452.8
55°	425.7	423.4	419.3	416.8	413.1	414.5	416.8	422.1	431.2	439.4	445.4
55.5°	419.1	415.8	411.9	408.9	405.1	406.7	409.3	416.1	423.5	431.6	437.8
56°	409.9	408.1	404.1	400.7	398.5	398.8	402.0	408.0	415.7	424.0	429.3
56.5°	403.3	400.3	396.7	393.4	391.6	391.6	394.5	400.5	408.3	416.0	421.7
57°	395.3	392.8	389.0	387.3	385.6	383.9	386.7	393.0	400.5	408.6	413.7
57.5°	389.4	384.9	381.5	378.6	376.8	376.8	379.8	385.5	392.9	400.7	406.0
58°	380.8	377.7	374.1	371.2	370.5	369.1	372.3	377.7	385.6	392.8	398.4
58.5°	373.2	370.4	367.0	364.1	364.2	362.2	364.9	370.3	377.8	385.4	390.7
59°	365.5	362.8	359.5	355.9	349.8	354.7	357.8	363.3	370.6	377.9	383.0
59.5°	358.0	355.3	352.4	349.6	346.9	347.7	351.1	355.9	363.2	370.2	375.4
60°	350.4	347.7	344.9	342.8	340.4	340.5	343.3	348.4	355.8	362.6	367.3
60.5°	345.3	340.9	338.1	335.1	333.1	333.5	336.6	341.8	348.7	355.1	360.1
61°	335.3	333.5	330.7	328.0	326.4	326.7	329.4	334.5	341.3	348.3	352.3
61.5°	330.7	326.5	323.7	321.7	319.3	319.9	322.2	327.7	333.9	340.5	345.1
62°	321.0	318.9	316.2	313.9	312.4	313.1	315.6	320.2	326.5	333.3	337.6
62.5°	313.6	311.8	309.4	307.6	306.7	306.0	308.5	313.2	319.5	325.7	329.7
63°	306.9	304.7	302.6	300.2	298.6	299.6	301.8	306.1	312.7	318.6	322.2
63.5°	299.3	297.8	295.8	293.2	292.4	292.5	295.1	299.3	305.6	311.6	315.4
64°	292.5	290.9	288.9	286.8	285.6	286.2	288.4	292.6	298.4	304.2	307.8
64.5°	284.9	283.8	282.1	280.0	279.6	279.5	282.0	285.9	291.5	297.1	300.6
65°	278.0	276.9	275.3	274.0	273.0	273.3	275.2	279.5	285.0	290.2	293.5
65.5°	271.3	270.0	268.5	267.6	266.1	266.4	268.4	272.8	278.2	282.9	286.1
66°	264.3	263.2	261.7	260.3	259.4	260.3	262.0	266.3	271.2	275.8	279.1



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	243.7	243.0	242.2	241.5	241.3	241.6	243.3	246.7	251.4	255.4	257.0
68°	237.3	236.6	235.9	235.8	234.8	235.2	237.0	240.3	244.9	248.7	250.9
68.5°	229.8	230.0	229.8	228.9	228.5	229.1	230.8	234.3	238.3	241.8	243.5
69°	223.3	223.4	223.0	222.6	222.3	223.1	224.7	228.0	231.9	235.1	236.3
69.5°	216.3	217.0	216.9	216.6	216.7	217.1	218.9	221.8	225.7	228.7	229.6
70°	210.8	210.7	210.8	210.4	210.3	211.1	212.8	215.7	219.1	222.0	223.2
70.5°	202.9	204.4	204.7	204.4	204.1	205.3	207.3	209.9	212.9	215.5	216.1
71°	196.3	198.1	198.6	198.9	199.0	199.7	201.2	203.5	206.6	209.1	210.1
71.5°	190.6	191.8	192.5	192.7	193.2	193.8	195.6	197.7	200.9	202.7	203.0
72°	184.3	185.5	186.4	186.8	187.3	188.1	189.6	191.9	194.5	196.3	196.9
72.5°	177.7	179.6	180.7	181.5	181.8	182.4	183.9	186.0	188.6	190.2	190.2
73°	171.3	173.5	174.8	175.8	175.7	176.9	178.5	180.2	182.5	183.9	184.0
73.5°	165.6	167.6	169.1	170.0	170.8	171.4	172.7	174.6	176.7	177.8	177.0
74°	159.9	162.2	163.7	164.4	165.8	166.1	167.1	169.0	170.9	171.8	171.1
74.5°	154.1	156.7	158.2	159.2	160.6	161.0	162.0	163.4	165.0	165.8	165.1
75°	148.3	151.3	152.8	154.0	155.3	155.9	156.9	158.3	159.6	160.1	159.1
75.5°	142.4	145.9	147.4	148.8	150.1	150.8	151.7	153.2	154.2	154.4	153.1
76°	130.9	140.4	142.0	143.6	144.9	145.6	146.6	148.1	148.8	148.7	147.1
76.5°	131.1	134.0	136.4	138.2	139.6	140.5	141.4	142.9	143.4	143.0	141.1
77°	124.2	128.7	131.3	133.6	134.4	135.6	136.5	137.4	138.0	137.5	135.1
77.5°	119.2	122.6	126.0	128.6	129.5	130.6	131.6	132.2	132.6	131.8	129.0
78°	113.7	116.8	120.7	123.3	124.7	125.7	126.4	126.8	127.2	125.9	123.2
78.5°	108.1	112.3	115.7	118.3	119.8	120.8	121.6	122.0	122.1	120.6	117.6
79°	102.5	108.1	110.7	113.2	114.8	116.1	116.8	117.1	116.6	115.2	111.9
79.5°	97.1	101.8	105.9	108.6	110.3	111.4	112.1	112.4	111.7	109.8	106.1
80°	91.9	97.4	101.0	103.9	106.5	106.8	107.5	107.5	106.8	104.8	101.0
80.5°	87.5	92.1	96.4	99.4	101.4	102.5	102.9	102.9	101.9	99.7	95.4
81°	81.9	87.1	91.8	95.2	96.9	98.0	98.5	98.3	97.2	94.5	90.5
81.5°	77.1	82.7	87.3	90.5	92.4	93.7	94.1	93.7	92.5	89.7	85.0
82°	72.6	79.4	82.9	86.3	88.5	89.5	89.9	89.3	87.9	84.9	80.1
82.5°	68.1	73.6	78.6	82.2	84.0	85.2	85.5	85.1	83.4	80.4	75.2
83°	63.5	69.4	74.3	77.9	79.9	81.1	81.5	80.8	79.1	75.7	70.5
83.5°	59.3	65.3	70.3	73.8	76.1	77.2	77.5	76.7	74.7	71.2	65.9
84°	55.7	61.2	66.3	69.9	72.5	73.4	73.7	72.8	70.7	67.0	61.6
84.5°	51.2	57.5	62.3	66.1	67.8	69.5	69.6	68.7	66.5	62.9	57.1
85°	47.3	53.4	58.5	62.3	64.5	65.8	65.8	64.9	62.6	58.7	52.9
85.5°	43.6	49.7	54.8	58.6	60.9	62.2	62.2	61.1	58.8	54.8	49.0
86°	39.8	46.2	51.3	55.3	57.4	58.7	58.7	57.5	54.9	50.9	45.1
86.5°	36.3	42.6	47.8	51.6	54.1	55.2	55.1	54.2	51.4	47.2	41.7
87°	33.1	39.4	44.5	48.5	50.8	51.9	51.8	50.6	47.9	43.6	37.9
87.5°	30.0	36.2	41.4	45.1	47.6	48.7	48.6	47.2	44.6	40.3	34.3
88°	26.9	33.1	38.2	42.0	44.4	45.5	45.4	44.0	41.3	36.9	31.0
88.5°	24.1	30.2	35.2	39.0	41.5	42.5	42.4	41.0	38.1	33.8	28.0



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	17.2	22.3	27.1	30.9	33.0	34.1	33.9	32.3	29.5	25.2	20.2
90.5°	15.1	20.1	24.7	28.2	30.6	31.5	31.3	29.9	26.9	22.7	18.1
91°	13.0	18.2	22.3	25.9	28.1	29.0	28.8	27.3	24.4	20.3	16.0
91.5°	10.9	16.4	20.2	23.6	25.8	26.7	26.4	24.9	22.1	18.5	13.9
92°	9.3	14.5	18.5	21.5	23.6	24.4	24.2	22.7	20.0	16.6	11.8
92.5°	8.1	12.7	16.7	19.5	21.5	22.4	22.1	20.6	18.3	14.8	9.8
93°	6.9	10.8	15.0	17.9	19.6	20.4	20.2	18.8	16.6	12.9	8.5
93.5°	6.0	9.5	13.3	16.3	18.1	18.7	18.4	17.2	14.9	11.1	7.4
94°	5.3	8.4	11.6	14.8	16.5	17.2	16.9	15.7	13.2	9.7	6.4
94.5°	4.7	7.4	10.4	13.2	15.0	15.8	15.5	14.2	11.5	8.6	5.6
95°	4.2	6.6	9.3	11.6	13.5	14.3	14.1	12.7	10.3	7.6	5.0
95.5°	3.9	6.0	8.4	10.5	11.9	12.8	12.6	11.2	9.2	6.8	4.5
96°	3.7	5.5	7.6	9.5	10.9	11.4	11.2	10.1	8.4	6.2	4.2
96.5°	3.6	5.1	6.9	8.7	9.9	10.4	10.2	9.2	7.6	5.7	4.0
97°	3.5	4.9	6.4	8.0	9.1	9.5	9.3	8.4	7.0	5.3	3.8
97.5°	3.4	4.7	6.1	7.4	8.4	8.8	8.6	7.8	6.5	5.1	3.7
98°	3.3	4.5	5.8	7.0	7.8	8.2	8.0	7.3	6.1	4.9	3.6
98.5°	3.2	4.4	5.6	6.6	7.4	7.7	7.5	6.9	5.9	4.7	3.5
99°	3.2	4.3	5.4	6.4	7.0	7.3	7.1	6.6	5.7	4.6	3.4
99.5°	3.1	4.2	5.3	6.2	6.8	7.0	6.9	6.4	5.6	4.5	3.3
100°	3.1	4.2	5.2	6.1	6.6	6.8	6.7	6.2	5.4	4.4	3.3
100.5°	3.0	4.1	5.1	5.9	6.5	6.7	6.6	6.1	5.3	4.3	3.2
101°	3.0	4.0	5.0	5.8	6.3	6.5	6.4	5.9	5.2	4.2	3.2
101.5°	3.0	3.9	4.9	5.7	6.2	6.4	6.3	5.8	5.1	4.1	3.1
102°	3.0	3.9	4.8	5.6	6.1	6.3	6.1	5.7	5.0	4.1	3.1
102.5°	2.9	3.9	4.7	5.5	6.0	6.1	6.0	5.6	4.9	4.0	3.1
103°	2.9	3.8	4.7	5.4	5.9	6.0	5.9	5.5	4.8	4.0	3.0
103.5°	2.9	3.8	4.6	5.3	5.8	5.9	5.8	5.4	4.7	3.9	3.0
104°	2.9	3.8	4.5	5.2	5.7	5.8	5.7	5.3	4.7	3.9	2.9
104.5°	2.8	3.7	4.5	5.1	5.6	5.7	5.6	5.2	4.6	3.8	2.9
105°	2.8	3.7	4.4	5.1	5.5	5.6	5.5	5.2	4.6	3.8	2.8
105.5°	2.8	3.6	4.4	5.0	5.4	5.6	5.4	5.1	4.5	3.7	2.8
106°	2.8	3.5	4.4	5.0	5.4	5.5	5.4	5.0	4.5	3.7	2.8
106.5°	2.8	3.5	4.3	4.9	5.3	5.4	5.3	5.0	4.4	3.6	2.8
107°	2.8	3.5	4.2	4.9	5.2	5.4	5.2	4.9	4.4	3.6	2.8
107.5°	2.8	3.5	4.2	4.8	5.2	5.3	5.2	4.9	4.3	3.5	2.8
108°	2.8	3.4	4.1	4.8	5.1	5.2	5.2	4.8	4.2	3.5	2.7
108.5°	2.7	3.4	4.1	4.7	5.1	5.2	5.1	4.8	4.2	3.5	2.7
109°	2.7	3.4	4.0	4.6	5.0	5.2	5.1	4.7	4.1	3.5	2.7
109.5°	2.7	3.4	4.0	4.6	5.0	5.1	5.0	4.6	4.1	3.4	2.6
110°	2.7	3.4	4.0	4.5	4.9	5.0	4.9	4.6	4.0	3.4	2.6
110.5°	2.7	3.4	4.0	4.5	4.8	4.9	4.8	4.5	4.0	3.4	2.6
111°	2.6	3.4	3.9	4.4	4.8	4.9	4.8	4.4	4.0	3.4	2.5



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.5	3.3	3.9	4.3	4.6	4.7	4.6	4.3	3.9	3.2	2.4
113°	2.4	3.3	3.8	4.3	4.6	4.6	4.6	4.3	3.9	3.2	2.3
113.5°	2.3	3.3	3.8	4.3	4.5	4.6	4.5	4.3	3.8	3.1	2.2
114°	2.2	3.2	3.8	4.2	4.5	4.6	4.5	4.2	3.8	3.1	2.1
114.5°	2.1	3.2	3.7	4.2	4.5	4.5	4.5	4.2	3.7	3.1	2.0
115°	2.1	3.1	3.7	4.2	4.4	4.5	4.4	4.2	3.7	3.1	2.0
115.5°	2.0	3.1	3.7	4.1	4.4	4.5	4.4	4.1	3.6	3.0	1.9
116°	2.0	3.0	3.7	4.1	4.4	4.4	4.4	4.1	3.6	2.9	1.8
116.5°	1.9	3.0	3.7	4.1	4.3	4.4	4.3	4.0	3.6	2.8	1.8
117°	1.9	2.8	3.6	4.0	4.3	4.4	4.3	4.0	3.5	2.7	1.7
117.5°	1.9	2.7	3.5	4.0	4.2	4.3	4.2	4.0	3.4	2.6	1.7
118°	1.8	2.5	3.5	4.0	4.2	4.3	4.2	3.9	3.4	2.5	1.7
118.5°	1.8	2.5	3.4	3.9	4.2	4.3	4.2	3.9	3.3	2.4	1.6
119°	1.8	2.4	3.4	3.9	4.1	4.2	4.1	3.8	3.2	2.3	1.6
119.5°	1.8	2.3	3.2	3.8	4.1	4.2	4.1	3.7	3.1	2.2	1.6
120°	1.7	2.3	3.1	3.7	4.0	4.1	4.0	3.6	3.0	2.2	1.5
120.5°	1.6	2.2	2.9	3.6	3.9	4.1	3.9	3.5	2.9	2.1	1.5
121°	1.5	2.2	2.8	3.6	3.8	4.0	3.8	3.4	2.8	2.0	1.3
121.5°	1.5	2.1	2.7	3.5	3.7	3.8	3.7	3.3	2.6	2.0	1.2
122°	1.5	2.1	2.6	3.3	3.7	3.7	3.6	3.2	2.6	1.9	1.2
122.5°	1.5	2.1	2.6	3.2	3.6	3.7	3.6	3.1	2.5	1.9	1.2
123°	1.6	2.0	2.5	3.0	3.4	3.6	3.5	3.0	2.4	1.9	1.3
123.5°	1.6	2.0	2.4	2.9	3.3	3.5	3.3	2.9	2.4	1.8	1.3
124°	1.6	2.0	2.4	2.8	3.1	3.3	3.2	2.8	2.3	1.8	1.3
124.5°	1.6	1.9	2.3	2.7	3.0	3.2	3.0	2.7	2.2	1.8	1.4
125°	1.7	1.8	2.3	2.6	2.9	3.0	2.9	2.6	2.2	1.7	1.4
125.5°	1.7	1.6	2.2	2.6	2.8	2.9	2.8	2.5	2.1	1.6	1.4
126°	1.7	1.6	2.2	2.5	2.7	2.9	2.8	2.5	2.1	1.4	1.5
126.5°	1.7	1.6	2.2	2.5	2.7	2.8	2.7	2.4	2.1	1.4	1.5
127°	1.8	1.6	2.1	2.4	2.6	2.7	2.6	2.4	2.0	1.4	1.5
127.5°	1.8	1.6	2.1	2.3	2.5	2.6	2.5	2.3	2.0	1.5	1.5
128°	1.8	1.6	2.0	2.3	2.5	2.6	2.5	2.2	1.9	1.5	1.6
128.5°	1.9	1.7	1.9	2.3	2.4	2.5	2.4	2.2	1.8	1.5	1.6
129°	1.9	1.7	1.7	2.2	2.4	2.4	2.3	2.2	1.7	1.6	1.6
129.5°	1.9	1.7	1.6	2.2	2.3	2.4	2.3	2.1	1.5	1.6	1.7
130°	2.0	1.7	1.6	2.1	2.3	2.3	2.2	2.0	1.5	1.6	1.7
130.5°	2.0	1.8	1.6	2.0	2.2	2.3	2.2	2.0	1.5	1.7	1.7
131°	2.0	1.8	1.7	1.9	2.2	2.2	2.1	1.8	1.5	1.7	1.8
131.5°	2.1	1.8	1.7	1.7	2.1	2.2	2.1	1.6	1.6	1.7	1.8
132°	2.1	1.9	1.7	1.6	2.0	2.1	2.0	1.5	1.6	1.8	1.8
132.5°	2.1	1.9	1.7	1.6	1.8	2.0	1.8	1.5	1.6	1.8	1.9
133°	2.2	1.9	1.8	1.6	1.6	1.8	1.6	1.6	1.7	1.8	1.9
133.5°	2.2	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.9	1.9



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.6	2.1	1.9	1.8	1.7	1.6	1.6	1.7	1.8	2.0	2.1
135.5°	2.8	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.9	2.0	2.3
136°	2.8	2.1	2.0	1.8	1.7	1.7	1.7	1.8	1.9	2.0	2.5
136.5°	2.8	2.2	2.0	1.9	1.8	1.7	1.7	1.8	1.9	2.1	2.6
137°	2.7	2.2	2.0	1.9	1.8	1.8	1.8	1.8	2.0	2.1	2.5
137.5°	2.6	2.3	2.1	1.9	1.8	1.8	1.8	1.9	2.0	2.2	2.3
138°	2.6	2.3	2.1	2.0	1.9	1.8	1.9	1.9	2.0	2.2	2.2
138.5°	2.6	2.4	2.1	2.0	1.9	1.9	1.9	2.0	2.1	2.2	2.2
139°	2.6	2.4	2.2	2.0	1.9	1.9	1.9	2.0	2.1	2.3	2.3
139.5°	2.6	2.6	2.2	2.1	2.0	1.9	2.0	2.0	2.1	2.3	2.3
140°	2.6	2.7	2.2	2.1	2.0	2.0	2.0	2.1	2.2	2.5	2.3
140.5°	2.6	2.9	2.3	2.1	2.0	2.0	2.0	2.1	2.2	2.6	2.3
141°	2.6	3.0	2.3	2.2	2.1	2.0	2.1	2.1	2.2	2.8	2.3
141.5°	2.6	2.9	2.4	2.2	2.1	2.1	2.1	2.2	2.3	2.8	2.3
142°	2.6	2.7	2.4	2.2	2.2	2.1	2.1	2.2	2.3	2.7	2.3
142.5°	2.7	2.6	2.5	2.3	2.2	2.2	2.2	2.2	2.4	2.6	2.4
143°	2.7	2.6	2.6	2.3	2.2	2.2	2.2	2.3	2.5	2.5	2.4
143.5°	2.7	2.7	2.8	2.4	2.3	2.2	2.2	2.3	2.6	2.5	2.4
144°	2.7	2.7	3.0	2.4	2.3	2.3	2.3	2.4	2.8	2.5	2.4
144.5°	2.6	2.7	3.0	2.5	2.3	2.3	2.3	2.4	2.9	2.6	2.4
145°	2.6	2.7	2.9	2.6	2.4	2.3	2.4	2.5	2.8	2.5	2.4
145.5°	2.6	2.6	2.7	2.8	2.4	2.4	2.4	2.7	2.7	2.5	2.4
146°	2.6	2.7	2.7	3.0	2.5	2.4	2.5	2.8	2.6	2.5	2.4
146.5°	2.5	2.7	2.7	3.1	2.7	2.5	2.6	2.9	2.6	2.6	2.4
147°	2.5	2.7	2.7	3.0	2.9	2.7	2.8	2.9	2.6	2.6	2.4
147.5°	2.5	2.7	2.7	2.8	3.0	2.9	2.9	2.7	2.6	2.6	2.3
148°	2.4	2.7	2.7	2.7	3.0	3.0	3.0	2.6	2.6	2.6	2.3
148.5°	2.4	2.7	2.6	2.7	2.9	3.0	2.8	2.6	2.6	2.6	2.3
149°	2.4	2.7	2.7	2.7	2.7	2.8	2.7	2.6	2.6	2.6	2.3
149.5°	2.4	2.7	2.7	2.7	2.6	2.7	2.6	2.6	2.6	2.6	2.3
150°	2.3	2.6	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.3
150.5°	2.3	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.7	2.6	2.3
151°	2.3	2.5	2.7	2.7	2.7	2.7	2.7	2.6	2.7	2.5	2.3
151.5°	2.3	2.5	2.7	2.7	2.6	2.7	2.6	2.6	2.7	2.5	2.3
152°	2.4	2.5	2.7	2.7	2.6	2.6	2.6	2.7	2.7	2.5	2.4
152.5°	2.3	2.4	2.7	2.7	2.7	2.6	2.7	2.7	2.7	2.5	2.4
153°	2.4	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.4
153.5°	2.4	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.4
154°	2.4	2.4	2.5	2.7	2.7	2.7	2.7	2.7	2.5	2.4	2.5
154.5°	2.5	2.3	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.5
155°	2.5	2.3	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.5
155.5°	2.5	2.3	2.4	2.5	2.6	2.7	2.6	2.6	2.5	2.5	2.5
156°	2.6	2.4	2.4	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**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: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1012.6	1012.6	1012.6	1012.6
0.5°	1013.2	1011.4	1008.3	1012.6
1°	1012.5	1011.8	1014.8	1013.3
1.5°	1013.3	1011.3	1012.3	1012.0
2°	1012.5	1011.3	1012.0	1012.3
2.5°	1012.9	1010.5	1013.2	1011.6
3°	1011.9	1010.7	1011.4	1012.8
3.5°	1012.2	1009.9	1011.4	1012.0
4°	1010.9	1008.9	1012.7	1011.1
4.5°	1010.0	1009.9	1009.3	1009.5
5°	1010.1	1008.3	1010.1	1009.5
5.5°	1008.9	1007.3	1007.4	1008.2
6°	1008.6	1007.9	1009.2	1007.1
6.5°	1006.2	1004.6	1006.5	1004.8
7°	1004.7	1003.8	1005.4	1005.1
7.5°	1003.0	1003.3	1004.7	1003.0
8°	1001.6	1000.0	1001.9	1001.2
8.5°	1000.4	999.2	999.9	999.5
9°	998.9	997.4	998.1	998.5
9.5°	996.5	996.6	998.0	995.1
10°	994.7	993.6	997.4	995.8
10.5°	992.9	991.3	985.6	992.7
11°	990.3	989.8	989.7	989.7
11.5°	988.3	986.0	991.9	988.9
12°	985.7	984.2	992.2	984.8
12.5°	982.8	982.1	978.8	981.9
13°	981.0	979.5	979.9	978.6
13.5°	977.5	977.0	980.2	977.5
14°	974.9	972.7	974.5	972.8
14.5°	971.9	970.7	974.2	969.5
15°	968.0	968.0	971.5	970.8
15.5°	965.3	963.5	960.8	963.5
16°	962.3	960.1	959.7	961.5
16.5°	959.2	957.0	963.3	955.3
17°	954.9	952.2	953.7	955.2
17.5°	950.6	949.6	953.4	950.3
18°	947.7	946.7	949.2	947.1
18.5°	944.1	941.0	943.0	942.9
19°	939.3	939.3	939.4	938.4
19.5°	935.3	933.2	935.3	934.0
20°	931.3	928.8	932.3	930.7
20.5°	927.5	925.8	926.2	925.6
21°	922.6	922.3	923.7	921.7



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	908.7	906.7	913.5	907.9
23°	903.7	902.6	904.0	903.4
23.5°	898.8	898.7	902.1	901.9
24°	892.8	891.4	892.6	894.2
24.5°	888.2	887.4	888.3	900.2
25°	882.6	881.0	882.3	884.1
25.5°	877.4	876.7	878.1	876.4
26°	872.0	869.3	872.8	870.4
26.5°	867.3	867.0	866.5	866.0
27°	861.5	860.7	862.1	859.2
27.5°	855.6	854.0	856.0	853.3
28°	849.7	848.7	849.7	850.6
28.5°	843.4	842.6	844.3	849.8
29°	837.7	836.2	838.5	832.5
29.5°	831.4	831.4	832.2	831.8
30°	824.9	824.0	825.4	823.4
30.5°	818.9	818.8	819.2	818.6
31°	812.7	812.6	813.4	809.9
31.5°	806.0	804.5	807.0	805.9
32°	799.6	800.0	800.4	795.8
32.5°	793.0	793.8	794.2	794.2
33°	786.7	784.2	787.1	785.0
33.5°	780.0	780.2	780.8	777.3
34°	772.6	773.7	774.0	770.1
34.5°	765.8	766.2	767.2	767.1
35°	758.9	759.3	760.1	758.9
35.5°	752.3	752.2	752.4	751.1
36°	744.9	745.3	748.8	744.9
36.5°	737.9	737.2	737.8	737.4
37°	730.4	730.5	732.1	730.7
37.5°	723.1	722.8	723.8	721.1
38°	715.9	715.8	717.6	711.4
38.5°	709.1	709.2	707.8	704.9
39°	701.3	702.3	702.4	697.7
39.5°	693.9	693.4	694.1	694.7
40°	685.8	686.4	688.7	688.7
40.5°	678.6	679.4	680.9	679.4
41°	670.7	671.9	672.5	670.1
41.5°	663.5	664.6	665.6	669.1
42°	656.3	656.7	658.4	655.6
42.5°	648.3	647.9	648.1	647.2
43°	640.3	640.9	642.7	640.0
43.5°	632.6	633.2	634.2	632.1



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	608.8	608.9	610.5	609.2
45.5°	601.4	601.3	602.6	601.6
46°	593.1	593.7	595.5	590.2
46.5°	585.1	586.0	586.8	585.7
47°	577.4	577.1	579.7	578.2
47.5°	569.3	570.2	571.1	568.8
48°	561.5	562.8	563.5	558.9
48.5°	553.4	555.3	554.9	552.3
49°	545.4	546.6	547.1	548.0
49.5°	537.6	538.6	539.8	536.3
50°	529.2	530.5	530.8	530.3
50.5°	521.6	523.3	522.7	523.6
51°	513.6	514.5	515.0	513.4
51.5°	505.9	507.2	507.1	505.3
52°	497.4	498.8	499.6	497.5
52.5°	489.4	491.0	491.0	489.8
53°	481.8	482.7	483.5	480.8
53.5°	473.9	475.2	475.4	473.3
54°	465.6	466.8	467.4	465.5
54.5°	457.8	459.0	459.2	457.0
55°	450.0	450.7	451.3	449.8
55.5°	442.5	443.1	443.9	441.6
56°	433.9	434.9	435.9	433.4
56.5°	426.3	427.0	427.8	425.5
57°	418.3	419.1	420.0	416.6
57.5°	410.3	411.6	410.9	409.3
58°	402.7	403.7	404.1	402.5
58.5°	394.8	395.9	395.9	393.6
59°	387.0	387.8	388.3	387.2
59.5°	379.2	380.0	380.2	377.8
60°	371.5	372.4	372.4	370.4
60.5°	363.9	364.5	364.6	362.2
61°	356.2	356.9	357.2	355.4
61.5°	348.8	348.8	349.7	347.6
62°	340.9	341.7	341.8	338.9
62.5°	333.2	333.8	333.5	331.6
63°	325.5	326.1	325.7	323.7
63.5°	318.1	318.4	318.4	316.1
64°	310.5	310.5	309.9	307.9
64.5°	303.2	303.3	302.9	300.5
65°	295.7	296.2	295.1	292.7
65.5°	288.3	288.1	287.3	285.1
66°	281.1	280.9	280.8	277.8



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	259.2	258.5	257.5	254.8
68°	252.1	251.0	250.1	247.7
68.5°	244.8	244.0	242.6	239.3
69°	237.7	236.3	235.0	232.1
69.5°	230.6	229.3	227.6	224.9
70°	223.6	221.8	220.2	217.9
70.5°	216.6	214.9	212.9	210.0
71°	209.6	207.8	205.7	202.5
71.5°	202.8	201.0	198.6	195.4
72°	196.0	193.4	191.4	188.3
72.5°	189.0	186.8	184.0	181.4
73°	182.3	179.6	177.2	174.3
73.5°	175.8	172.9	170.3	167.0
74°	169.3	166.3	163.5	160.1
74.5°	163.0	159.8	156.7	153.1
75°	156.7	153.2	149.9	146.1
75.5°	150.4	146.6	143.1	139.2
76°	144.2	140.1	136.3	132.5
76.5°	137.9	133.5	129.7	125.5
77°	131.8	127.3	123.3	119.0
77.5°	125.5	120.9	116.9	113.1
78°	119.5	114.6	110.4	106.1
78.5°	113.6	108.5	104.3	99.5
79°	107.6	102.4	97.7	93.9
79.5°	101.7	96.1	91.5	87.5
80°	96.1	90.4	85.6	81.3
80.5°	90.5	84.7	79.6	75.4
81°	85.1	78.9	73.7	69.6
81.5°	79.7	73.5	68.2	64.4
82°	74.5	68.0	62.5	59.2
82.5°	69.4	62.9	57.4	54.0
83°	64.3	57.8	52.2	48.9
83.5°	59.6	52.7	47.1	43.7
84°	55.2	48.2	42.5	39.0
84.5°	50.6	43.6	37.7	34.2
85°	46.4	39.1	33.3	29.9
85.5°	42.3	35.1	29.2	25.7
86°	38.3	31.1	25.1	21.8
86.5°	34.5	27.3	21.9	18.1
87°	31.0	23.8	18.6	14.6
87.5°	27.6	21.0	15.4	11.3
88°	24.4	18.2	12.1	8.3
88.5°	21.4	15.4	8.9	6.6



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	14.4	7.8	3.2	1.9
90.5°	12.0	6.1	2.1	0.3
91°	9.7	4.7	1.4	0.2
91.5°	8.1	3.7	1.0	0.2
92°	6.7	2.9	0.8	0.2
92.5°	5.6	2.3	0.7	0.2
93°	4.7	2.0	0.6	0.1
93.5°	4.0	1.8	0.6	0.1
94°	3.5	1.7	0.5	0.1
94.5°	3.2	1.6	0.5	0.1
95°	2.9	1.5	0.5	0.2
95.5°	2.8	1.5	0.5	0.2
96°	2.7	1.4	0.5	0.2
96.5°	2.6	1.4	0.5	0.2
97°	2.5	1.4	0.5	0.2
97.5°	2.4	1.3	0.4	0.3
98°	2.4	1.3	0.4	0.3
98.5°	2.3	1.3	0.4	0.3
99°	2.3	1.2	0.4	0.4
99.5°	2.3	1.2	0.4	0.4
100°	2.2	1.2	0.4	0.5
100.5°	2.2	1.2	0.5	0.5
101°	2.1	1.2	0.5	0.6
101.5°	2.1	1.2	0.5	0.6
102°	2.1	1.2	0.5	0.6
102.5°	2.1	1.2	0.6	0.7
103°	2.1	1.2	0.6	0.7
103.5°	2.0	1.1	0.7	0.8
104°	2.0	1.1	0.7	0.8
104.5°	2.0	1.0	0.7	0.9
105°	2.0	1.0	0.8	0.9
105.5°	2.0	1.0	0.8	0.9
106°	1.9	1.0	0.8	1.0
106.5°	1.9	1.0	0.8	1.0
107°	1.9	1.0	0.9	1.0
107.5°	1.8	1.0	0.9	1.1
108°	1.8	0.9	1.0	1.1
108.5°	1.7	0.9	1.0	1.2
109°	1.7	1.0	1.0	1.3
109.5°	1.7	1.0	1.1	1.4
110°	1.6	1.0	1.1	1.4
110.5°	1.5	1.0	1.1	1.5
111°	1.5	1.1	1.2	1.5



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
135°	2.1	2.1	2.0	2.0
135.5°	2.1	2.1	2.1	2.0
136°	2.1	2.2	2.1	2.0
136.5°	2.2	2.2	2.1	2.0
137°	2.2	2.2	2.1	2.1
137.5°	2.2	2.3	2.1	2.1
138°	2.2	2.3	2.1	2.1
138.5°	2.2	2.3	2.1	2.1
139°	2.2	2.4	2.1	2.1
139.5°	2.2	2.4	2.1	2.1
140°	2.2	2.4	2.1	2.1
140.5°	2.2	2.5	2.2	2.1
141°	2.2	2.5	2.2	2.2
141.5°	2.2	2.5	2.2	2.2
142°	2.2	2.6	2.2	2.2
142.5°	2.2	2.6	2.2	2.2
143°	2.2	2.6	2.2	2.2
143.5°	2.3	2.6	2.2	2.2
144°	2.3	2.7	2.2	2.2
144.5°	2.3	2.7	2.2	2.2
145°	2.4	2.7	2.2	2.2
145.5°	2.4	2.7	2.2	2.2
146°	2.5	2.7	2.2	2.2
146.5°	2.5	2.8	2.2	2.2
147°	2.5	2.8	2.2	2.2
147.5°	2.5	2.8	2.2	2.2
148°	2.6	2.8	2.2	2.2
148.5°	2.6	2.8	2.2	2.2
149°	2.6	2.8	2.2	2.1
149.5°	2.6	2.8	2.2	2.1
150°	2.7	2.8	2.2	2.1
150.5°	2.7	2.8	2.2	2.1
151°	2.7	2.8	2.2	2.2
151.5°	2.7	2.8	2.2	2.2
152°	2.7	2.7	2.2	2.2
152.5°	2.7	2.7	2.2	2.1
153°	2.8	2.7	2.2	2.1
153.5°	2.8	2.7	2.1	2.1
154°	2.8	2.7	2.1	2.1
154.5°	2.8	2.7	2.1	2.2
155°	2.8	2.7	2.1	2.2
155.5°	2.8	2.7	2.1	2.2
156°	2.8	2.7	2.1	2.2



TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
157.5°	2.8	2.7	2.1	2.2
158°	2.8	2.7	2.1	2.2
158.5°	2.8	2.6	2.1	2.2
159°	2.8	2.6	2.1	2.2
159.5°	2.8	2.6	2.1	2.2
160°	2.7	2.6	2.1	2.2
160.5°	2.7	2.6	2.1	2.2
161°	2.7	2.6	2.1	2.2
161.5°	2.7	2.6	2.1	2.2
162°	2.7	2.6	2.1	2.0
162.5°	2.7	2.6	2.1	2.0
163°	2.7	2.6	2.1	1.9
163.5°	2.7	2.5	2.1	1.9
164°	2.7	2.5	2.1	1.9
164.5°	2.7	2.5	2.1	1.8
165°	2.6	2.5	2.1	1.8
165.5°	2.6	2.5	2.0	1.8
166°	2.6	2.4	2.0	1.8
166.5°	2.5	2.3	2.1	1.8
167°	2.5	2.3	2.0	1.7
167.5°	2.5	2.3	2.0	1.5
168°	2.5	2.2	2.0	1.5
168.5°	2.4	2.2	1.8	1.5
169°	2.2	2.0	1.6	1.5
169.5°	2.2	1.6	1.6	1.5
170°	2.2	1.6	1.5	1.5
170.5°	2.2	1.6	1.6	1.5
171°	2.1	1.6	1.6	1.5
171.5°	2.1	1.6	1.6	1.5
172°	1.9	1.6	1.6	1.5
172.5°	1.7	1.6	1.6	1.5
173°	1.6	1.6	1.5	1.5
173.5°	1.6	1.6	1.5	1.4
174°	1.6	1.5	1.5	1.5
174.5°	1.6	1.5	1.5	1.5
175°	1.6	1.5	1.5	1.5
175.5°	1.6	1.5	1.5	1.5
176°	1.5	1.5	1.5	1.5
176.5°	1.5	1.5	1.6	1.5
177°	1.6	1.6	1.6	1.5
177.5°	1.6	1.6	1.6	1.5
178°	1.6	1.6	1.6	1.5
178.5°	1.5	1.6	1.7	2.0





TEST NUMBER: P563527

CATALOG NUMBER: 2NWS23C3-UNV-HI-5000K

**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°	916.5	917.8	905.7	921.4	911.8	909.9	907.6	907.4	904.3	901.6	899.3
22°	912.1	902.1	903.1	916.2	907.3	904.9	902.6	899.9	898.7	895.9	895.3



44°	624.0	623.5	618.2	626.3	614.1	607.8	599.9	593.1	586.1	582.2	580.4
44.5°	617.1	615.4	608.7	618.4	606.2	599.2	591.5	584.9	578.3	573.8	572.4





66.5°	269.7	269.3	266.1	271.8	264.3	260.3	254.8	251.1	247.0	244.6	244.1
67°	262.1	261.7	258.9	263.0	257.3	253.2	248.4	244.9	240.4	238.2	237.4



89°	5.0	5.7	9.6	16.0	22.1	27.8	32.3	35.6	37.4	37.8	36.9
89.5°	3.4	4.3	7.8	13.8	19.8	25.4	29.8	33.1	34.8	35.3	34.4



111.5°	1.5	1.5	1.2	1.2	1.4	1.5	1.5	1.7	2.0	2.0	2.0
112°	1.6	1.5	1.2	1.2	1.5	1.5	1.5	1.7	1.9	2.0	1.9



134°	2.0	2.1	2.0	2.4	3.2	2.4	2.2	2.1	2.1	2.0	2.1
134.5°	2.0	2.1	2.1	2.4	3.2	2.4	2.2	2.2	2.1	2.0	2.1



156.5°	2.2	2.0	2.5	2.5	2.5	2.2	2.1	2.1	2.2	2.3	2.2
157°	2.2	2.0	2.4	2.6	2.5	2.3	2.1	2.1	2.1	2.2	2.2



179°	2.2	2.1	2.0	1.8	1.6	1.5	1.6	1.2	1.4	1.2	1.3
179.5°	2.2	2.2	2.1	2.1	1.8	1.7	1.4	1.3	1.1	1.1	1.1





21.5°	898.1	893.8	899.9	896.6	897.1	897.0	896.2	897.8	904.6	893.0	905.9
22°	895.9	894.6	893.4	892.6	892.5	890.7	893.3	892.3	891.9	885.2	904.1





44°	583.4	587.2	591.0	596.5	596.5	596.1	596.9	597.4	599.8	594.5	606.9
44.5°	575.1	580.3	585.3	587.2	589.3	588.7	589.1	589.9	590.3	586.9	598.2



66.5°	245.5	248.1	250.9	252.1	252.7	251.5	250.9	251.8	252.4	252.9	259.1
67°	239.1	241.4	244.1	245.1	245.5	244.4	243.5	244.6	245.1	245.9	252.2



89°	35.0	31.6	27.0	21.2	14.8	8.5	4.4	1.6	4.0	8.8	15.7
89.5°	32.6	29.3	24.7	18.9	12.8	6.9	3.1	0.2	2.7	7.0	13.3



111.5°	1.8	1.6	1.5	1.4	1.3	1.4	1.7	1.7	1.6	1.4	1.7
112°	1.7	1.6	1.6	1.5	1.4	1.4	1.7	1.7	1.6	1.4	1.6



134°	2.1	2.2	2.4	3.1	2.5	2.1	2.2	2.0	2.0	2.0	2.4
134.5°	2.2	2.2	2.4	3.2	2.5	2.1	2.2	2.0	2.0	2.0	2.4



156.5°	2.2	2.1	2.2	2.4	2.6	2.5	2.3	2.2	2.1	2.5	2.7
157°	2.1	2.1	2.2	2.4	2.6	2.5	2.3	2.2	2.0	2.5	2.6



179°	1.4	1.5	1.9	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2
179.5°	1.1	1.5	1.8	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.2







21.5°	901.3	901.0	903.2	905.5	905.4	906.5	907.3	908.4	913.2	916.2	914.8
22°	895.7	896.7	898.4	903.9	902.0	906.8	903.1	904.3	908.7	911.3	912.0



44°	599.0	597.1	594.2	593.6	589.8	590.8	593.0	599.6	607.9	615.8	620.4
44.5°	591.5	589.5	586.4	584.6	580.0	581.4	585.3	592.0	600.5	607.8	613.1



66.5°	257.2	256.5	255.4	254.1	253.5	253.8	255.9	259.9	264.7	268.9	272.5
67°	250.5	249.6	248.6	248.5	246.9	247.8	249.5	253.0	258.0	262.1	265.4



89°	21.5	27.3	32.4	36.2	38.5	39.6	39.4	37.9	35.1	30.8	25.1
89.5°	19.4	24.9	29.7	33.4	35.8	36.8	36.6	35.1	32.3	28.0	22.3



111.5°	2.6	3.3	3.9	4.4	4.7	4.8	4.7	4.4	4.0	3.3	2.5
112°	2.6	3.3	3.9	4.4	4.7	4.7	4.7	4.4	3.9	3.3	2.5



134°	2.3	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.9	2.0
134.5°	2.5	2.0	1.9	1.7	1.6	1.6	1.6	1.7	1.8	1.9	2.0



156.5°	2.6	2.4	2.4	2.5	2.5	2.6	2.5	2.5	2.4	2.5	2.6
157°	2.6	2.4	2.3	2.4	2.5	2.5	2.5	2.5	2.4	2.5	2.6



179°	2.0	2.1	1.7	1.5	1.4	1.3	1.1	1.2	1.3	1.5	1.5
179.5°	2.2	2.2	1.8	1.6	1.2	1.2	1.1	1.0	1.3	1.3	1.7







21.5°	918.0	916.5	919.7	916.5
22°	913.0	913.1	913.3	912.1



44°	624.7	625.3	625.1	624.0
44.5°	617.1	618.2	618.1	617.1



66.5°	273.7	273.7	272.4	269.7
67°	266.5	265.9	264.8	262.1



89°	19.1	12.6	6.6	5.0
89.5°	16.7	9.8	4.7	3.4



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



134°	2.0	2.1	2.0	2.0
134.5°	2.0	2.1	2.0	2.0



156.5°	2.8	2.7	2.1	2.2
157°	2.8	2.7	2.1	2.2





179°	1.6	1.8	2.0	2.2
179.5°	1.9	2.1	2.2	2.2



(END OF REPORT)