

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: P563525

Luminaire Tested: **2NWS23C3-UNV-HI-3500K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563525  
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-3500K  
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

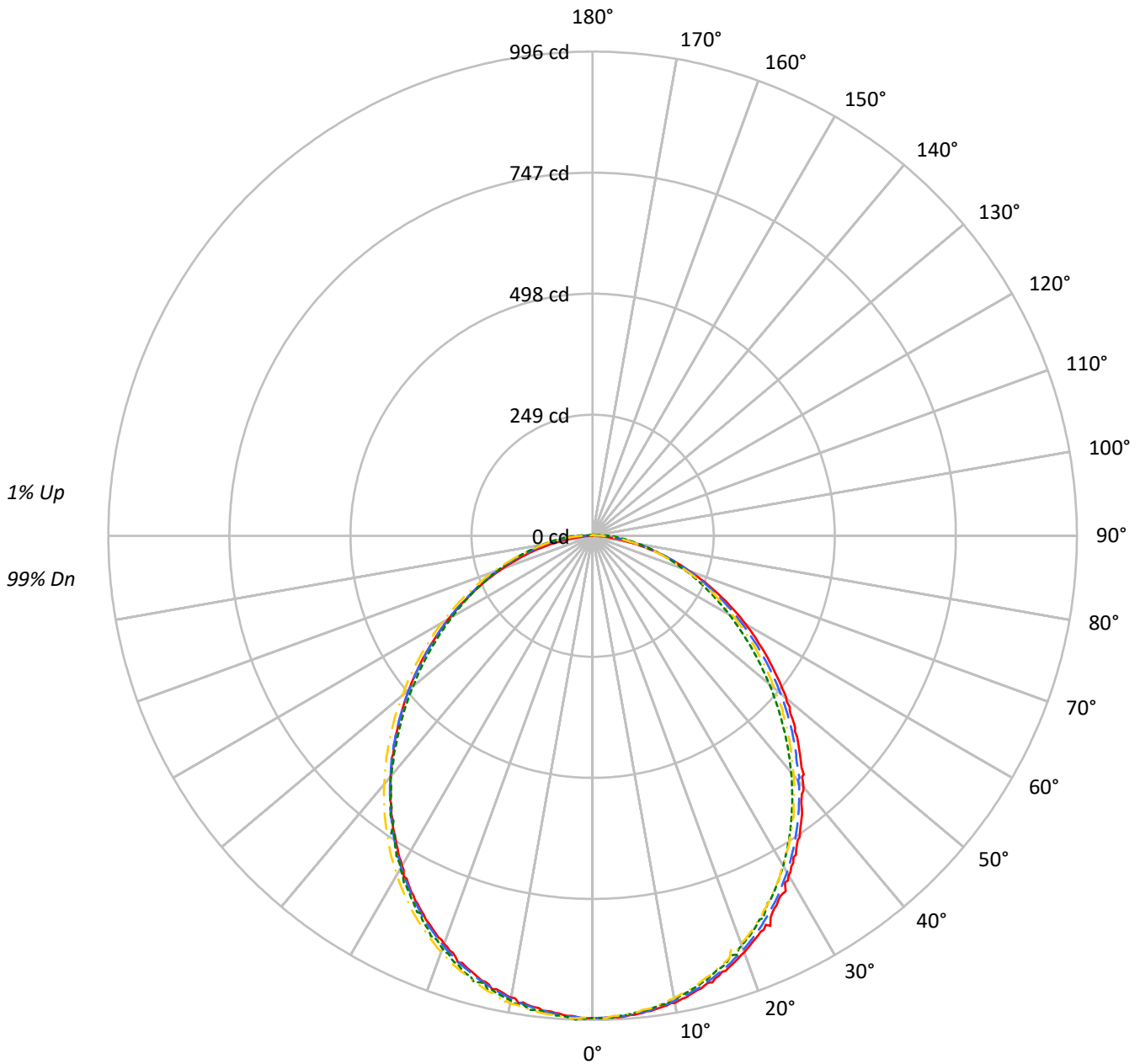
Lumens per Lamp: N/A  
Luminaire Lumens: 2522.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 21.8  
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°	12061	12061	12061	12061
5°	12027	11830	11948	11841
10°	11957	11550	11821	11599
15°	11840	11241	11636	11369
20°	11622	10864	11389	10944
25°	11400	10423	11097	10537
30°	11061	9929	10745	10013
35°	10723	9347	10327	9377
40°	10347	8709	9919	8819
45°	9852	8022	9399	8140
50°	9364	7324	8890	7462
55°	8818	6631	8344	6789
60°	8232	5956	7769	6123
65°	7576	5302	7077	5492
70°	6812	4645	6292	4852
75°	5820	3971	5348	4220
80°	4517	3268	4001	3553
85°	2772	2654	2252	2858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	3.7
10°-20°	265.3	10.5
20°-30°	392.2	15.6
30°-40°	453.3	18.0
40°-50°	443.0	17.6
50°-60°	374.6	14.9
60°-70°	270.9	10.7
70°-80°	154.4	6.1
80°-90°	54.1	2.1
90°-100°	8.8	0.4
100°-110°	2.8	0.1
110°-120°	2.1	0.1
120°-130°	1.8	0.1
130°-140°	1.6	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°	751.1	29.8
0°-40°	1204.4	47.8
0°-60°	2021.9	80.2
0°-90°	2501.3	99.2
90°-120°	13.8	0.5
90°-150°	18.8	0.7
90°-180°	21.0	0.8
0°-180°	2522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	992	992	992	992	992	
5°	989	985	983	986	989	94
15°	951	938	935	949	951	267
25°	866	845	843	854	866	398
35°	744	712	716	715	744	464
45°	597	554	569	562	597	460
55°	441	397	417	406	441	394
65°	287	258	268	268	287	284
75°	143	144	132	153	143	152
85°	29	60	24	64	29	34
90°	2	32	0	33	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°	1	2	2	2	1	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°	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1
0.5°	992.1	995.7	985.0	1004.9	992.1	991.8	992.3	994.5	991.1	992.8	991.1
1°	992.8	994.3	984.3	1000.0	991.7	992.0	991.9	995.7	992.9	992.0	990.5
1.5°	991.6	993.7	983.6	1006.7	991.3	991.9	991.5	996.1	993.7	992.4	990.1
2°	991.8	991.4	983.2	1003.5	991.6	990.8	992.3	993.0	991.6	991.3	992.0
2.5°	991.2	989.7	983.3	999.2	993.3	990.7	990.8	990.9	991.2	992.8	989.0
3°	992.3	991.5	983.2	999.7	990.8	990.9	990.7	995.7	989.3	989.3	988.7
3.5°	991.5	988.8	982.0	998.7	990.5	989.4	989.7	993.6	990.3	988.9	987.5
4°	990.7	995.1	987.1	1003.2	989.7	989.2	988.7	989.4	988.5	988.5	987.5
4.5°	989.1	990.7	981.7	999.7	989.3	987.8	987.3	990.0	988.0	986.7	987.2
5°	989.1	992.0	980.1	996.1	988.5	986.8	987.5	987.5	986.5	985.3	983.9
5.5°	987.8	987.2	980.8	997.8	986.3	985.1	985.7	987.8	986.0	984.5	982.6
6°	986.8	990.6	978.4	992.5	985.2	984.9	985.0	982.2	984.3	982.7	982.1
6.5°	984.5	980.7	977.1	993.9	985.0	983.7	983.3	985.7	984.1	981.8	979.1
7°	984.8	987.7	975.6	993.2	983.4	981.7	981.7	992.7	982.9	979.9	979.2
7.5°	982.7	982.1	978.5	992.7	981.7	980.3	980.1	976.7	980.5	978.4	976.8
8°	980.9	981.4	973.1	991.4	979.2	978.3	978.0	980.5	977.3	976.6	973.4
8.5°	979.3	980.9	970.4	989.2	978.1	976.8	975.6	975.6	977.3	974.3	972.5
9°	978.3	983.9	970.5	985.6	976.0	975.2	974.4	975.6	973.6	975.4	969.5
9.5°	975.0	976.0	967.3	981.4	974.1	973.4	972.6	974.1	971.0	968.3	968.8
10°	975.7	974.9	965.6	983.7	971.6	971.1	970.5	969.5	971.6	966.6	967.0
10.5°	972.7	971.7	963.6	979.5	969.4	969.0	967.8	966.2	965.9	964.7	964.5
11°	969.7	968.3	963.3	978.5	968.8	966.0	965.7	966.6	965.5	963.0	961.9
11.5°	968.9	966.9	959.4	972.7	965.1	963.3	962.9	962.8	961.7	960.0	959.2
12°	964.9	964.9	957.8	971.1	962.8	961.4	960.7	959.9	956.4	957.5	955.5
12.5°	962.1	961.3	953.7	969.9	959.7	958.4	957.3	959.5	955.8	954.1	952.4
13°	958.9	961.4	958.3	964.9	957.2	955.9	955.0	953.3	953.0	951.8	949.6
13.5°	957.8	956.8	949.2	971.3	955.1	952.7	951.8	950.7	950.6	948.5	946.5
14°	953.1	954.8	947.3	962.9	950.8	949.5	948.5	949.4	947.8	944.8	942.9
14.5°	949.9	952.2	908.2	960.4	947.6	946.5	945.2	952.3	942.9	942.0	939.0
15°	951.2	947.5	937.2	950.4	945.3	943.1	942.2	943.1	941.4	938.0	936.0
15.5°	944.1	938.1	937.2	956.4	941.4	939.8	938.3	936.6	939.6	933.4	933.1
16°	942.1	943.0	933.4	943.0	937.1	936.4	935.1	934.5	932.2	929.1	929.5
16.5°	936.0	938.8	928.9	947.6	934.7	933.0	930.7	929.9	928.6	927.2	925.6
17°	935.9	933.9	950.1	942.6	931.2	929.2	927.9	926.9	924.1	924.2	920.8
17.5°	931.1	930.7	922.3	940.2	926.9	925.3	923.5	925.4	925.6	919.6	916.9
18°	928.0	927.4	916.8	935.3	922.9	921.9	920.3	920.1	917.4	912.5	913.0
18.5°	923.8	924.7	915.7	930.6	918.4	917.0	916.2	916.2	913.1	909.6	908.9
19°	919.4	920.4	913.7	926.5	915.5	913.2	912.3	912.6	908.9	911.2	904.3
19.5°	915.1	917.8	910.3	922.9	912.3	909.0	907.4	906.2	905.0	901.5	900.3
20°	911.9	909.0	904.9	918.9	907.3	904.5	903.3	900.7	900.1	897.1	895.6
20.5°	906.9	905.6	899.5	914.2	902.7	900.3	898.7	899.9	896.8	892.4	891.8
21°	903.0	902.2	894.2	909.1	898.3	895.9	894.6	893.7	891.5	887.4	885.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	889.5	893.4	880.7	894.1	884.3	881.6	880.8	881.3	876.4	873.3	871.2
23°	885.1	882.4	877.5	893.8	879.3	876.8	875.5	871.7	870.1	867.0	865.1
23.5°	883.6	882.9	870.6	888.6	874.4	872.3	871.9	871.0	865.4	860.4	860.2
24°	876.1	873.8	868.7	882.1	869.2	866.4	871.2	862.5	859.9	861.2	855.0
24.5°	882.0	869.5	860.3	872.4	863.9	861.3	859.4	858.0	854.3	853.6	848.9
25°	866.3	863.7	858.9	871.6	858.6	856.3	853.3	849.6	848.2	845.0	844.4
25.5°	858.7	857.9	849.7	869.4	853.6	850.4	847.5	849.2	843.4	836.8	838.5
26°	852.9	851.9	845.4	858.4	847.8	844.8	843.0	845.5	837.3	833.8	832.9
26.5°	848.5	848.1	838.7	853.3	843.0	839.0	837.6	833.3	830.9	828.1	824.6
27°	841.8	841.7	829.9	846.2	836.9	833.9	830.7	828.3	825.7	821.9	820.5
27.5°	836.1	835.3	826.6	841.6	831.2	828.1	824.6	823.3	821.2	816.0	814.1
28°	833.4	830.8	820.8	835.7	825.0	822.4	819.3	818.0	812.3	809.8	807.6
28.5°	832.6	827.3	819.0	830.9	818.9	815.8	813.3	812.1	806.1	803.6	801.5
29°	815.7	818.1	810.7	823.0	812.9	809.6	807.6	803.2	800.6	796.7	794.6
29.5°	815.0	814.7	804.8	818.3	807.4	803.6	799.2	797.1	793.6	790.4	788.2
30°	806.8	803.5	796.1	813.9	801.1	797.7	793.5	795.3	787.5	783.9	781.9
30.5°	802.0	809.6	792.8	806.4	794.9	791.6	787.6	784.4	781.3	777.0	775.0
31°	793.5	795.7	785.3	798.4	788.5	785.0	781.2	777.3	774.0	770.0	768.7
31.5°	789.6	787.5	787.7	794.2	781.8	778.0	774.4	772.2	766.8	763.0	761.2
32°	779.7	781.8	774.3	792.4	775.3	771.6	767.3	763.9	759.9	756.2	753.7
32.5°	778.1	775.7	763.6	777.4	769.0	764.9	760.8	757.4	752.5	748.8	748.0
33°	769.1	769.6	762.2	773.1	762.5	758.5	753.8	750.0	744.9	742.0	740.1
33.5°	761.6	762.4	754.4	768.4	755.6	751.6	747.0	741.1	738.5	735.0	733.1
34°	754.6	753.8	749.2	769.2	748.7	744.5	739.5	738.8	731.1	728.0	724.5
34.5°	751.6	749.0	742.6	753.9	741.8	737.2	732.3	728.3	722.6	720.1	718.0
35°	743.5	741.9	734.1	747.9	735.4	730.9	725.3	721.2	717.1	712.5	710.3
35.5°	735.9	735.8	727.6	739.7	727.9	723.6	718.0	713.9	708.3	705.0	703.0
36°	729.8	728.2	720.9	731.3	721.3	716.8	710.4	705.5	700.5	697.5	696.3
36.5°	722.5	721.1	714.3	725.3	713.8	708.9	702.6	703.4	695.3	689.9	688.5
37°	715.9	713.8	707.6	719.2	707.4	701.9	696.3	689.7	687.5	682.4	680.4
37.5°	706.5	707.9	700.0	709.0	699.3	694.4	688.3	684.5	678.5	674.2	673.6
38°	697.0	700.2	693.1	703.0	692.1	687.8	680.7	675.4	671.3	666.4	665.0
38.5°	690.7	692.5	686.9	696.8	685.4	679.8	673.8	667.6	662.7	658.8	657.8
39°	683.6	685.3	678.9	690.8	678.2	672.1	664.3	662.8	654.5	650.9	648.9
39.5°	680.7	678.2	671.7	682.5	670.5	664.7	659.8	652.5	647.7	643.1	641.7
40°	674.7	671.1	664.4	666.6	655.1	657.4	651.5	643.5	639.3	635.1	633.5
40.5°	665.7	663.7	657.5	666.0	661.7	649.3	642.9	637.1	630.7	626.9	625.6
41°	656.5	656.3	649.5	659.3	645.8	641.9	634.6	632.2	625.1	618.8	617.5
41.5°	655.6	648.2	642.1	651.8	640.4	634.2	627.6	620.8	616.1	610.7	609.8
42°	642.3	640.6	634.6	644.2	628.6	626.3	619.1	614.9	607.4	602.7	601.0
42.5°	634.2	633.9	627.0	635.7	620.6	618.8	611.4	606.0	598.8	595.0	593.6
43°	627.1	626.4	619.8	632.1	616.9	611.2	603.5	597.5	590.9	586.7	585.5
43.5°	619.4	618.9	612.8	620.0	609.3	602.9	595.7	589.7	583.1	578.3	577.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	596.8	596.2	589.2	597.0	585.9	579.9	571.7	564.2	558.0	554.1	553.5
45.5°	589.4	588.4	581.7	589.3	578.3	572.1	564.0	555.3	550.5	546.0	545.5
46°	578.2	580.3	573.9	581.6	570.6	564.0	556.3	549.2	541.9	537.8	536.9
46.5°	573.9	572.3	566.0	574.0	562.6	555.8	547.9	541.2	534.0	529.8	528.8
47°	566.5	564.8	559.6	566.5	554.9	548.3	539.6	534.0	526.1	522.3	521.9
47.5°	557.3	556.7	549.3	558.0	547.0	540.0	531.7	525.6	517.7	513.8	512.8
48°	547.6	547.9	543.6	550.6	539.7	531.9	524.1	517.2	510.4	505.8	505.1
48.5°	541.2	542.2	535.3	542.7	531.3	524.0	516.0	509.5	501.1	497.4	496.6
49°	536.9	534.1	528.6	534.2	523.7	516.3	507.6	500.6	493.9	489.9	489.6
49.5°	525.5	524.3	520.0	525.9	515.5	508.6	500.7	491.9	485.7	481.8	480.2
50°	519.6	520.1	512.7	519.1	507.8	500.8	492.1	484.7	477.7	473.8	473.5
50.5°	513.0	509.2	503.8	510.7	499.9	492.1	484.0	477.6	469.7	465.8	464.2
51°	503.0	502.7	496.8	502.7	492.4	484.8	475.9	468.1	462.3	458.0	457.7
51.5°	495.1	493.5	488.9	494.5	484.2	476.6	468.1	461.3	453.9	450.0	449.3
52°	487.5	485.7	481.8	486.1	476.3	468.9	460.5	449.3	446.3	442.4	441.7
52.5°	479.9	479.2	474.1	478.8	468.8	461.2	452.6	445.0	438.6	434.6	433.4
53°	471.1	470.9	464.8	471.0	460.5	453.2	444.7	437.5	430.8	427.0	425.8
53.5°	463.8	463.7	455.8	463.8	453.1	445.6	437.1	429.6	423.0	419.4	418.4
54°	456.1	455.5	450.9	455.6	445.5	437.6	428.8	422.4	415.6	411.5	410.4
54.5°	447.7	446.9	442.3	447.5	437.0	430.2	421.4	417.8	408.2	404.1	403.9
55°	440.7	439.4	434.1	440.3	429.4	422.1	413.8	406.2	400.2	396.6	395.5
55.5°	432.7	432.2	428.8	430.3	421.9	414.7	405.9	399.0	392.9	389.0	388.7
56°	424.6	424.1	419.6	423.6	414.2	406.9	399.5	391.7	385.5	381.7	381.3
56.5°	416.9	415.6	414.8	415.7	406.3	399.3	391.3	383.6	378.1	374.2	374.0
57°	408.1	407.8	404.7	408.5	398.6	391.6	383.2	376.2	371.1	367.3	367.9
57.5°	401.0	399.7	396.5	402.4	391.1	384.1	376.3	368.7	363.2	359.8	358.4
58°	394.4	393.2	388.5	392.5	383.5	377.0	368.6	363.3	356.0	352.5	352.6
58.5°	385.6	384.5	380.4	384.8	375.8	369.1	361.1	354.2	349.2	345.7	345.2
59°	379.4	376.5	373.0	376.9	368.4	362.1	354.2	347.5	342.0	338.7	338.0
59.5°	370.2	370.2	365.3	369.7	360.9	354.2	347.0	340.2	334.9	331.4	331.2
60°	362.9	362.7	357.7	361.6	353.1	346.9	339.7	333.7	327.1	324.5	324.2
60.5°	354.9	354.8	350.2	354.1	345.8	339.6	332.1	326.4	320.6	317.8	317.2
61°	348.2	347.1	342.3	346.6	338.5	332.2	325.3	319.7	314.3	310.7	310.0
61.5°	340.6	338.9	334.6	339.3	331.1	325.0	317.8	312.6	307.3	304.0	303.9
62°	332.1	330.8	328.3	331.1	323.5	317.9	311.0	304.9	300.0	297.4	297.5
62.5°	324.9	324.1	319.8	323.4	316.5	310.6	304.0	298.3	294.2	290.8	289.6
63°	317.1	315.9	315.2	316.1	308.8	303.7	296.9	295.8	286.3	284.2	283.9
63.5°	309.7	308.5	306.6	308.6	301.9	296.5	290.5	285.3	280.5	277.6	277.3
64°	301.7	300.1	297.6	301.1	293.7	289.5	283.4	278.7	273.9	271.1	270.6
64.5°	294.5	293.5	290.6	293.9	287.6	282.7	276.8	271.1	267.4	265.0	264.7
65°	286.8	286.2	283.4	287.2	275.9	275.8	269.8	265.3	260.8	258.4	257.9
65.5°	279.4	278.5	275.6	279.1	272.8	269.0	263.1	259.0	254.6	252.1	251.6
66°	272.2	271.5	268.0	271.8	266.2	261.9	256.5	252.5	247.9	245.8	245.0





TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	249.6	249.6	247.3	249.8	245.4	241.5	236.7	233.3	229.3	227.4	226.6
68°	242.6	241.7	240.2	242.8	238.2	235.0	230.5	227.3	223.5	221.3	221.0
68.5°	234.5	233.8	232.8	235.4	231.5	228.3	224.3	221.1	217.7	215.6	214.6
69°	227.4	227.0	225.6	228.6	224.7	221.8	218.7	215.0	211.3	209.8	209.1
69.5°	220.3	220.0	217.3	223.2	218.0	215.3	211.7	208.7	205.6	203.7	202.9
70°	213.5	212.8	209.8	214.5	211.1	208.9	205.7	202.9	200.5	198.0	197.3
70.5°	205.7	205.7	204.0	207.7	204.5	202.4	199.5	196.7	194.1	192.2	191.5
71°	198.4	198.2	197.0	200.5	198.0	196.1	193.6	191.1	188.4	186.8	185.8
71.5°	191.4	192.0	189.9	194.1	191.6	189.8	187.6	185.4	182.7	181.2	180.9
72°	184.5	184.6	183.8	187.7	185.0	183.8	181.6	179.4	177.3	175.6	175.8
72.5°	177.8	177.7	176.7	180.4	178.5	177.6	175.5	173.9	171.3	170.1	169.9
73°	170.7	170.6	169.7	173.9	172.3	171.5	170.0	168.2	166.2	164.5	163.9
73.5°	163.7	163.1	162.9	167.3	166.0	165.5	164.0	162.6	160.7	159.4	158.7
74°	156.8	156.9	156.1	160.4	159.8	159.4	158.5	157.4	155.4	154.1	153.3
74.5°	150.0	149.7	149.5	154.0	153.6	153.7	152.8	151.5	150.1	148.9	147.9
75°	143.1	143.2	143.1	147.5	147.6	147.9	147.0	146.3	145.1	143.7	143.0
75.5°	136.4	136.4	137.4	143.2	141.6	142.0	141.5	140.9	139.9	138.4	137.7
76°	129.9	130.3	129.9	135.0	135.5	136.5	135.8	136.1	134.7	134.1	132.7
76.5°	123.0	123.6	124.1	129.0	129.6	130.8	131.0	130.6	129.8	128.8	127.8
77°	116.6	117.0	117.7	122.0	123.8	125.3	125.5	125.6	124.7	123.8	122.9
77.5°	110.8	110.4	112.0	116.6	118.2	119.6	119.9	120.1	119.9	118.9	118.0
78°	104.0	104.7	105.5	110.7	112.6	114.4	115.7	115.6	115.0	114.2	113.3
78.5°	97.5	98.0	99.7	105.0	107.0	109.2	110.2	110.8	110.4	109.7	108.8
79°	92.0	91.8	93.9	99.0	101.6	104.0	105.1	105.9	105.7	105.3	104.3
79.5°	85.7	85.6	87.6	93.6	96.2	98.8	100.3	101.2	101.1	100.6	99.7
80°	79.7	80.1	82.2	88.1	90.9	94.0	95.5	96.8	96.9	96.3	95.5
80.5°	73.9	74.4	76.9	82.5	85.9	88.9	90.8	92.4	92.6	92.1	91.1
81°	68.2	68.7	71.4	77.2	80.8	84.2	87.2	87.9	88.6	88.0	87.1
81.5°	63.1	63.7	66.5	72.2	75.8	79.4	82.4	83.8	84.2	84.0	83.2
82°	58.0	58.7	61.7	67.0	71.0	75.0	78.0	79.7	80.3	80.1	79.2
82.5°	52.9	53.7	56.9	62.5	66.1	70.5	73.6	75.9	76.4	76.2	75.1
83°	47.9	48.7	52.2	58.0	62.0	65.9	69.5	71.7	72.6	72.5	71.7
83.5°	42.8	43.7	47.4	53.5	58.0	62.2	65.8	68.0	69.0	68.9	68.2
84°	38.2	39.4	42.6	49.1	54.0	58.6	62.4	64.7	65.8	66.4	65.1
84.5°	33.6	34.6	38.2	44.6	50.1	55.0	59.0	61.4	62.6	63.1	61.9
85°	29.3	30.3	34.0	40.5	46.1	51.4	55.5	58.2	59.3	59.8	58.7
85.5°	25.2	26.2	30.0	36.6	42.5	47.9	52.1	54.9	56.1	56.6	55.6
86°	21.3	22.4	26.2	32.9	39.0	44.5	48.7	51.6	52.9	53.3	52.4
86.5°	17.7	18.7	22.8	29.5	35.6	41.2	45.6	48.6	49.9	50.2	49.4
87°	14.3	15.3	19.5	26.2	32.5	38.1	42.5	45.5	47.1	47.4	46.5
87.5°	11.1	12.2	16.6	23.2	29.5	35.3	39.7	42.7	44.3	44.6	43.7
88°	8.1	9.4	13.9	20.5	26.7	32.4	36.8	40.0	41.5	42.0	41.2
88.5°	6.5	7.0	11.5	18.0	24.1	29.7	34.2	37.4	39.0	39.5	38.6



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.8	2.8	6.5	11.7	17.3	22.7	26.9	30.2	31.9	32.3	31.6
90.5°	0.3	1.5	5.5	10.0	15.4	20.6	24.9	28.0	29.8	30.2	29.5
91°	0.2	1.0	4.4	8.5	13.7	18.7	22.9	26.0	27.7	28.2	27.5
91.5°	0.2	0.7	3.4	7.2	12.0	16.9	20.9	24.0	25.7	26.2	25.5
92°	0.2	0.5	2.3	6.3	10.6	15.2	19.2	22.1	23.8	24.4	23.8
92.5°	0.2	0.4	1.8	5.4	9.3	13.7	17.4	20.3	22.0	22.6	21.9
93°	0.1	0.3	1.5	4.5	8.1	12.2	15.9	18.7	20.4	20.9	20.2
93.5°	0.1	0.3	1.2	3.6	7.1	10.9	14.5	17.2	18.7	19.3	18.8
94°	0.1	0.3	1.0	3.0	6.3	9.8	13.1	15.8	17.4	17.9	17.2
94.5°	0.1	0.3	0.9	2.6	5.6	8.7	11.9	14.4	16.0	16.5	15.9
95°	0.2	0.3	0.8	2.2	4.8	7.8	10.8	13.3	14.6	15.1	14.6
95.5°	0.2	0.3	0.7	1.9	4.1	6.9	9.7	12.1	13.5	13.9	13.4
96°	0.2	0.3	0.6	1.7	3.6	6.3	8.7	10.9	12.3	12.8	12.2
96.5°	0.2	0.3	0.6	1.6	3.2	5.6	7.9	10.0	11.3	11.7	11.3
97°	0.2	0.3	0.5	1.5	2.9	5.0	7.1	9.1	10.3	10.8	10.3
97.5°	0.3	0.3	0.5	1.3	2.6	4.4	6.5	8.3	9.5	9.9	9.5
98°	0.3	0.3	0.5	1.2	2.4	4.0	6.0	7.6	8.7	9.0	8.7
98.5°	0.3	0.4	0.5	1.1	2.2	3.7	5.4	6.9	7.9	8.3	7.9
99°	0.4	0.4	0.5	1.0	2.1	3.4	4.9	6.5	7.3	7.6	7.3
99.5°	0.4	0.5	0.5	0.9	1.9	3.2	4.5	6.0	6.8	7.0	6.8
100°	0.5	0.5	0.5	0.9	1.8	3.0	4.2	5.5	6.3	6.5	6.3
100.5°	0.5	0.6	0.6	0.9	1.7	2.8	4.0	5.1	5.8	6.1	5.8
101°	0.5	0.6	0.6	0.8	1.6	2.7	3.8	4.8	5.3	5.6	5.3
101.5°	0.6	0.7	0.6	0.8	1.5	2.5	3.6	4.5	5.0	5.2	5.0
102°	0.6	0.7	0.7	0.8	1.4	2.4	3.4	4.3	4.8	4.9	4.8
102.5°	0.7	0.7	0.7	0.8	1.4	2.2	3.2	4.1	4.5	4.7	4.5
103°	0.7	0.8	0.7	0.8	1.3	2.1	3.0	3.9	4.3	4.5	4.3
103.5°	0.8	0.8	0.7	0.9	1.2	2.0	2.9	3.7	4.1	4.3	4.2
104°	0.8	0.9	0.7	0.9	1.2	1.9	2.7	3.5	3.9	4.1	4.0
104.5°	0.8	1.0	0.7	0.9	1.1	1.8	2.6	3.3	3.7	3.9	3.8
105°	0.9	1.1	0.8	1.0	1.1	1.7	2.4	3.1	3.6	3.7	3.6
105.5°	0.9	1.2	0.8	1.0	1.1	1.6	2.3	2.9	3.4	3.5	3.4
106°	0.9	1.3	0.8	1.0	1.1	1.6	2.2	2.8	3.2	3.4	3.3
106.5°	1.0	1.3	0.9	1.1	1.1	1.5	2.1	2.7	3.1	3.2	3.1
107°	1.0	1.2	0.9	1.1	1.1	1.5	2.0	2.5	2.9	3.1	3.0
107.5°	1.1	1.2	1.0	1.1	1.1	1.4	1.9	2.4	2.8	2.9	2.8
108°	1.1	1.2	1.0	1.1	1.1	1.4	1.8	2.3	2.6	2.8	2.7
108.5°	1.2	1.3	1.1	1.1	1.2	1.3	1.8	2.2	2.5	2.6	2.5
109°	1.3	1.3	1.1	1.1	1.2	1.3	1.7	2.1	2.4	2.5	2.4
109.5°	1.4	1.4	1.2	1.1	1.3	1.3	1.6	2.0	2.3	2.4	2.3
110°	1.4	1.4	1.2	1.1	1.3	1.4	1.6	1.9	2.2	2.3	2.2
110.5°	1.4	1.4	1.2	1.1	1.3	1.4	1.5	1.8	2.1	2.2	2.1
111°	1.5	1.5	1.2	1.1	1.4	1.4	1.5	1.8	2.0	2.1	2.0



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.5	1.2	1.2	1.4	1.5	1.5	1.6	1.8	1.8	1.8
113°	1.6	1.5	1.2	1.2	1.3	1.6	1.5	1.6	1.7	1.8	1.7
113.5°	1.6	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	1.6	1.7	1.6
114.5°	1.7	1.5	1.3	1.2	1.3	1.6	1.6	1.6	1.6	1.6	1.6
115°	1.7	1.6	1.4	1.2	1.3	1.7	1.7	1.6	1.6	1.6	1.6
115.5°	1.7	1.7	1.5	1.2	1.3	1.7	1.7	1.7	1.6	1.6	1.7
116°	1.7	1.8	1.5	1.3	1.4	1.7	1.8	1.7	1.7	1.7	1.7
116.5°	1.7	1.8	1.7	1.3	1.4	1.6	1.7	1.7	1.7	1.7	1.7
117°	1.7	1.8	1.8	1.3	1.4	1.4	1.7	1.8	1.7	1.7	1.7
117.5°	1.6	1.8	1.9	1.3	1.5	1.4	1.8	1.8	1.8	1.8	1.8
118°	1.6	1.8	2.0	1.4	1.5	1.4	1.9	1.9	1.8	1.8	1.8
118.5°	1.6	1.8	2.0	1.4	1.5	1.4	1.9	1.8	1.9	1.9	1.9
119°	1.6	1.8	2.0	1.4	1.6	1.4	1.8	1.9	1.9	1.9	1.9
119.5°	1.6	1.8	1.9	1.5	1.6	1.5	1.7	1.9	1.9	1.9	1.9
120°	1.6	1.8	1.9	1.5	1.6	1.5	1.5	2.0	1.9	1.9	1.9
120.5°	1.6	1.8	1.8	1.6	1.7	1.5	1.5	2.0	1.9	1.9	1.9
121°	1.6	1.8	1.8	1.6	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	1.7	2.0	2.0	2.0
122°	1.7	1.9	1.9	1.7	1.7	1.6	1.5	1.6	2.0	2.1	2.0
122.5°	1.7	1.9	2.0	1.8	1.8	1.7	1.5	1.5	1.8	2.0	1.8
123°	1.7	1.9	2.0	1.8	1.8	1.7	1.6	1.5	1.6	1.8	1.7
123.5°	1.7	1.9	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.6	1.5
124°	1.7	1.9	2.1	1.9	1.8	1.8	1.6	1.5	1.5	1.5	1.5
124.5°	1.8	1.9	2.1	2.0	1.9	1.8	1.7	1.5	1.5	1.5	1.5
125°	1.8	1.9	2.1	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.5
125.5°	1.8	1.9	2.1	2.2	1.9	1.8	1.7	1.6	1.5	1.5	1.5
126°	1.8	1.9	2.1	2.3	1.9	1.9	1.8	1.6	1.6	1.5	1.6
126.5°	1.8	2.0	2.1	2.4	2.0	1.9	1.8	1.7	1.6	1.5	1.6
127°	1.8	2.0	2.1	2.5	2.0	1.9	1.8	1.7	1.6	1.6	1.6
127.5°	1.8	2.0	2.0	2.5	2.0	1.9	1.8	1.7	1.7	1.6	1.7
128°	1.8	2.0	2.0	2.5	2.0	2.0	1.9	1.8	1.7	1.6	1.7
128.5°	1.9	2.0	2.0	2.4	2.1	2.0	1.9	1.8	1.7	1.7	1.7
129°	1.8	2.0	1.9	2.4	2.1	2.0	1.9	1.8	1.8	1.7	1.8
129.5°	1.8	2.0	1.8	2.4	2.2	2.0	1.9	1.8	1.8	1.7	1.8
130°	1.8	2.0	1.8	2.3	2.2	2.1	1.9	1.9	1.8	1.8	1.8
130.5°	1.9	1.9	1.8	2.3	2.3	2.1	2.0	1.9	1.8	1.8	1.8
131°	1.9	1.9	1.9	2.3	2.3	2.1	2.0	1.9	1.9	1.8	1.9
131.5°	1.9	2.0	1.9	2.2	2.4	2.2	2.0	1.9	1.9	1.9	1.9
132°	1.9	2.0	1.9	2.2	2.5	2.2	2.1	2.0	1.9	1.9	1.9
132.5°	1.9	2.0	1.9	2.3	2.7	2.2	2.1	2.0	2.0	1.9	2.0
133°	2.0	2.1	1.9	2.3	2.8	2.3	2.1	2.0	2.0	1.9	2.0
133.5°	2.0	2.1	2.0	2.4	3.0	2.3	2.1	2.1	2.0	2.0	2.0



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1
0.5°	988.7	992.9	995.1	991.7	992.8	990.4	992.8	992.6	995.2	972.0	1002.9
1°	990.8	991.1	993.4	990.5	991.6	991.0	991.5	992.3	990.7	982.5	1001.5
1.5°	989.9	991.6	995.1	991.3	990.9	988.5	992.5	992.3	986.3	984.5	1005.0
2°	993.1	992.2	992.5	988.9	990.5	988.5	991.7	990.0	988.8	982.1	998.8
2.5°	989.9	990.1	988.5	988.7	989.7	988.7	990.0	988.4	989.3	982.6	998.8
3°	988.2	990.0	990.5	987.0	988.9	988.4	984.9	989.1	990.1	987.5	998.7
3.5°	986.5	976.0	987.7	987.3	987.1	986.3	987.4	987.6	985.8	979.0	997.4
4°	985.4	983.2	987.5	985.9	987.1	984.3	987.5	985.1	987.1	977.2	996.4
4.5°	985.9	988.4	986.8	984.5	985.9	986.7	985.1	984.5	985.3	973.9	1001.5
5°	983.9	999.1	986.9	983.2	983.7	980.5	985.7	982.6	983.0	977.5	996.6
5.5°	983.1	984.5	986.1	981.9	982.0	980.2	985.3	982.4	985.0	975.5	993.0
6°	982.0	982.2	981.1	980.5	981.8	980.3	981.2	982.3	981.5	973.4	990.9
6.5°	979.8	980.9	981.1	979.0	979.1	978.1	979.5	977.9	979.4	972.6	990.8
7°	978.1	982.0	980.0	978.3	977.5	977.1	983.9	977.2	978.7	969.4	989.5
7.5°	976.1	977.0	977.7	975.9	976.1	974.6	987.4	975.8	976.4	969.2	986.2
8°	974.2	975.7	974.9	973.5	973.9	971.0	972.6	974.0	973.9	968.0	985.1
8.5°	972.4	973.3	972.5	971.9	971.3	968.7	972.9	970.3	971.9	967.3	981.6
9°	970.6	971.0	970.8	969.1	969.1	966.6	970.5	973.7	969.7	959.9	977.6
9.5°	968.2	969.1	968.8	966.2	967.4	964.5	968.4	964.8	968.1	963.4	982.2
10°	964.1	966.6	966.2	965.1	964.9	963.7	964.6	964.6	975.1	959.2	984.1
10.5°	963.2	964.4	963.6	962.1	962.2	961.4	962.5	962.6	963.3	955.5	972.4
11°	960.0	960.5	960.6	959.3	959.7	957.7	960.0	958.8	957.8	952.7	967.2
11.5°	957.4	958.6	958.6	957.3	956.8	956.6	953.7	955.9	955.3	949.2	967.6
12°	955.0	955.7	955.8	953.4	954.0	952.7	953.6	953.5	952.5	946.5	965.6
12.5°	952.2	952.1	952.4	950.0	950.8	950.5	950.1	955.5	953.6	946.7	965.8
13°	948.6	949.2	949.0	948.4	947.1	948.1	948.3	947.5	948.0	932.5	958.2
13.5°	945.3	945.7	946.3	944.0	944.9	943.5	945.6	944.1	944.4	941.8	956.8
14°	941.8	943.0	942.2	940.1	941.2	939.0	940.4	942.8	941.6	927.8	953.1
14.5°	939.0	938.6	937.3	937.5	938.0	936.2	937.4	939.0	938.3	923.6	950.0
15°	935.8	936.3	936.8	934.3	934.0	932.6	935.9	934.8	934.1	929.0	946.5
15.5°	931.6	931.9	931.6	930.5	930.3	928.3	931.6	930.4	931.3	926.2	946.7
16°	928.6	930.7	927.7	926.7	926.8	926.9	926.2	926.9	928.3	919.8	938.5
16.5°	923.6	922.9	924.2	921.3	923.1	923.2	921.7	922.9	922.7	919.0	934.2
17°	920.2	921.2	919.8	919.9	919.4	917.6	921.9	918.7	920.7	915.1	932.4
17.5°	916.8	917.5	918.0	914.8	915.4	912.8	917.0	920.7	915.3	908.1	925.6
18°	911.9	912.9	913.1	911.5	911.0	909.6	912.0	911.5	913.0	905.8	921.9
18.5°	907.6	908.6	910.7	884.0	907.0	905.4	905.8	904.9	908.0	902.0	919.1
19°	903.3	881.7	903.9	907.3	901.5	900.7	902.2	902.4	902.8	896.8	914.9
19.5°	899.1	901.3	898.5	900.4	897.0	896.4	898.7	896.8	899.2	892.7	909.5
20°	895.0	895.1	894.0	888.2	893.6	891.7	894.3	893.6	894.4	889.8	904.9
20.5°	890.0	889.7	890.2	888.4	888.3	887.2	889.7	887.4	891.5	882.9	902.1
21°	884.7	891.6	885.4	883.5	885.0	882.7	883.6	885.2	881.0	882.3	894.7



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	870.2	869.4	871.8	868.7	869.4	868.0	868.9	869.5	871.4	865.7	882.4
23°	866.0	865.4	864.1	863.4	864.9	862.8	866.1	864.7	866.3	860.5	876.0
23.5°	850.8	862.1	860.6	862.6	859.1	857.3	858.0	860.4	859.9	853.0	871.6
24°	853.5	859.2	855.8	853.7	854.6	852.1	854.5	853.8	858.9	845.3	866.3
24.5°	848.5	849.4	847.6	848.6	848.4	847.1	849.0	848.7	850.8	843.2	861.0
25°	843.5	843.3	843.8	843.1	843.2	841.5	842.8	843.3	845.1	836.9	855.0
25.5°	836.9	837.5	839.0	836.6	838.1	836.1	836.8	837.3	835.8	833.5	849.7
26°	831.8	832.9	834.0	831.8	831.9	830.3	831.8	833.7	833.4	826.4	843.3
26.5°	825.5	825.3	827.0	824.8	825.9	824.1	826.5	826.0	830.4	822.1	837.8
27°	820.4	819.4	818.2	821.4	820.6	818.2	820.6	821.7	819.0	816.1	832.2
27.5°	814.0	815.6	817.3	814.5	814.3	812.3	814.3	815.2	816.1	809.9	826.6
28°	807.7	809.6	809.0	808.3	808.8	807.7	807.8	808.6	812.4	804.1	819.9
28.5°	802.0	801.2	804.3	802.9	802.7	799.7	802.1	802.3	801.2	795.7	814.1
29°	795.8	795.2	796.0	796.1	796.5	798.2	795.8	801.6	795.4	791.0	806.4
29.5°	788.6	791.1	790.9	787.0	789.7	788.8	789.3	789.7	790.5	786.3	814.1
30°	771.8	783.1	783.6	782.9	783.7	782.3	783.7	783.8	785.2	780.2	789.6
30.5°	769.6	774.9	778.2	777.7	777.7	775.3	777.0	776.9	779.1	776.5	788.3
31°	766.3	771.5	770.6	770.3	771.5	769.4	770.4	771.4	772.2	767.0	782.5
31.5°	762.2	765.4	764.2	765.2	764.7	762.5	763.7	765.3	765.1	759.0	776.9
32°	756.7	756.7	757.5	758.7	758.0	756.4	757.2	757.4	759.1	754.1	769.8
32.5°	747.8	749.3	751.2	753.6	751.1	750.1	750.2	751.6	752.9	747.4	764.7
33°	740.9	741.2	743.9	743.6	744.6	743.2	744.3	744.0	745.6	739.7	756.1
33.5°	735.4	736.1	737.5	737.9	738.2	736.6	735.9	737.6	737.4	734.6	749.2
34°	727.3	726.5	732.4	730.7	731.3	729.3	731.2	731.8	731.9	727.8	742.2
34.5°	718.8	721.1	724.0	722.9	724.4	723.3	723.5	725.8	725.0	719.5	735.1
35°	712.1	714.0	716.3	715.8	717.4	715.4	716.7	716.1	718.4	714.3	728.1
35.5°	703.8	708.0	714.4	708.9	710.5	708.9	709.9	710.8	711.0	707.2	721.9
36°	697.2	699.1	704.0	703.0	703.2	702.9	703.1	704.7	702.0	700.7	714.3
36.5°	690.3	686.5	694.4	695.1	695.6	695.3	695.8	695.7	697.8	693.2	706.3
37°	679.4	684.8	687.3	688.5	689.2	688.0	688.6	689.3	687.5	686.4	699.2
37.5°	673.4	677.0	679.8	680.4	681.8	680.9	681.3	684.3	683.0	678.5	692.8
38°	668.0	665.3	672.9	673.7	674.1	672.5	674.1	674.0	681.7	672.9	686.2
38.5°	662.5	664.9	665.8	667.1	667.4	665.8	666.2	668.0	666.8	664.0	677.7
39°	649.3	657.8	658.7	659.1	660.1	658.8	660.2	660.2	666.8	658.1	670.1
39.5°	644.9	648.1	649.9	651.6	652.6	651.9	652.5	653.9	654.3	648.9	666.2
40°	633.1	638.2	642.5	644.0	645.4	644.0	645.3	646.8	647.2	642.5	653.6
40.5°	629.4	633.8	635.4	635.8	638.0	636.5	637.4	637.6	638.2	634.6	648.2
41°	619.7	623.3	626.4	625.0	630.3	628.8	630.1	630.3	632.2	624.8	636.5
41.5°	613.2	614.4	618.7	620.7	622.7	622.7	622.7	622.8	624.0	621.9	629.6
42°	603.9	609.1	613.1	614.2	615.7	614.1	615.0	617.9	617.2	614.3	625.3
42.5°	595.9	601.0	604.7	605.7	606.9	607.4	607.6	606.4	608.7	605.0	618.6
43°	587.8	591.1	595.1	599.6	600.1	599.2	599.6	600.3	596.5	598.7	610.3
43.5°	580.3	586.5	587.6	589.6	592.1	591.1	592.5	594.0	593.6	589.6	605.1





TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	555.3	562.3	564.0	566.5	569.4	568.7	569.5	569.4	570.8	568.8	579.2
45.5°	547.9	554.0	557.8	561.7	561.7	560.1	562.0	562.3	564.3	559.4	572.9
46°	539.8	545.9	549.4	550.8	554.1	553.6	553.8	554.7	555.9	551.7	565.2
46.5°	530.9	537.2	541.9	544.0	545.9	546.0	547.4	547.2	548.2	543.5	553.8
47°	523.5	531.0	533.5	535.7	538.5	538.4	538.8	538.5	539.7	537.6	546.6
47.5°	516.4	521.1	526.1	534.4	530.7	530.6	531.3	531.8	532.6	530.4	541.2
48°	507.8	512.9	518.9	521.3	523.2	522.9	522.8	523.9	525.6	525.2	531.4
48.5°	499.6	505.9	511.0	512.4	515.4	515.3	517.2	516.8	517.8	512.9	524.0
49°	492.4	496.9	501.1	503.5	507.6	507.3	508.2	508.9	509.0	507.6	518.3
49.5°	484.3	488.9	495.5	501.1	500.0	500.4	500.6	501.0	502.0	500.5	509.5
50°	476.1	481.4	487.9	490.4	492.6	492.4	492.7	493.3	494.2	491.4	503.3
50.5°	468.2	473.6	479.8	480.8	484.7	485.1	485.0	486.0	486.0	486.1	492.7
51°	460.6	465.9	471.1	474.6	476.7	477.1	478.7	478.8	478.7	474.2	485.4
51.5°	451.9	457.7	463.7	466.2	469.3	468.9	472.1	470.4	471.1	468.0	477.5
52°	444.7	450.1	456.8	458.8	461.6	461.4	462.8	463.2	463.7	462.4	470.2
52.5°	437.5	442.3	449.6	453.5	454.1	454.7	454.6	455.2	455.5	452.5	461.9
53°	429.7	435.1	441.9	444.8	446.2	447.7	446.7	447.1	447.9	447.2	455.7
53.5°	422.2	427.1	433.9	435.9	438.4	439.9	439.1	439.8	439.8	438.2	447.3
54°	413.7	419.4	425.4	428.0	431.1	431.5	433.6	432.3	432.7	430.9	438.3
54.5°	407.3	411.7	416.9	421.5	423.2	423.4	424.5	424.3	425.3	423.1	433.6
55°	398.9	404.9	410.9	414.0	416.0	416.1	416.4	417.0	417.6	415.9	422.9
55.5°	391.8	396.8	402.0	407.6	408.3	408.5	407.8	408.9	410.9	407.8	417.1
56°	384.0	389.4	395.4	399.0	400.8	403.6	400.6	401.7	402.4	400.4	407.8
56.5°	377.0	382.2	387.7	391.2	393.3	393.7	394.9	393.9	395.2	393.7	400.3
57°	370.0	374.6	381.6	383.2	385.6	385.7	386.2	386.3	386.0	385.6	394.7
57.5°	362.2	367.1	372.1	375.7	378.3	377.2	377.7	378.6	379.7	380.0	386.5
58°	355.1	360.1	365.5	369.1	370.4	371.2	370.7	371.5	372.3	370.6	374.9
58.5°	347.7	352.2	358.2	361.9	363.1	364.7	363.5	365.0	364.2	363.1	370.3
59°	340.7	345.3	349.9	353.3	356.0	356.7	356.4	356.1	356.2	355.6	363.1
59.5°	333.9	335.1	344.4	345.6	348.6	348.1	348.0	348.8	348.9	348.0	356.6
60°	326.9	330.8	335.8	338.5	341.7	340.8	340.4	342.5	342.1	341.6	349.0
60.5°	319.8	323.9	330.4	331.0	333.7	334.9	333.9	333.8	334.2	334.2	341.3
61°	312.7	317.1	320.0	324.5	325.7	327.1	326.5	325.0	327.0	326.4	334.0
61.5°	306.0	310.2	315.5	316.8	318.8	318.6	318.6	318.9	320.1	319.7	324.8
62°	299.1	302.9	307.6	309.8	311.4	311.6	311.4	311.4	312.4	312.1	319.3
62.5°	292.6	296.1	300.3	302.3	305.1	304.7	304.0	304.4	306.0	304.8	310.6
63°	285.6	289.4	293.2	295.1	297.3	297.2	296.4	296.6	298.1	297.5	304.2
63.5°	279.1	282.5	286.4	287.3	290.1	289.4	289.4	289.1	290.6	290.4	296.6
64°	272.5	275.8	279.2	282.4	283.3	282.7	281.8	282.9	285.0	282.9	289.8
64.5°	266.0	269.1	272.8	276.7	276.0	275.7	274.7	276.4	276.3	276.3	283.3
65°	259.5	262.7	265.9	268.3	268.6	268.0	267.4	267.9	268.4	269.2	274.5
65.5°	253.3	256.0	259.1	261.0	261.5	260.9	261.3	260.6	262.3	261.9	267.6
66°	246.6	249.6	252.3	254.0	254.9	254.0	253.2	253.3	255.2	255.0	261.0



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	228.0	230.4	232.7	233.5	233.8	232.4	231.7	232.3	233.6	232.8	240.4
68°	222.1	224.2	226.0	227.8	227.1	225.8	224.9	225.1	226.7	227.3	233.5
68.5°	216.0	217.8	219.7	220.3	220.3	218.7	217.8	218.4	219.4	220.4	226.7
69°	210.0	211.6	213.4	213.8	213.5	211.9	210.8	211.2	212.5	212.9	220.2
69.5°	204.1	205.5	206.8	207.0	206.5	204.7	203.7	203.7	205.3	206.3	212.7
70°	198.1	199.6	200.4	200.7	200.4	198.4	196.8	197.2	198.3	199.2	206.3
70.5°	192.2	193.4	194.4	194.1	193.4	191.2	189.9	190.4	191.8	194.0	199.5
71°	186.3	187.6	188.2	188.1	186.8	184.7	183.5	183.3	185.5	186.4	192.6
71.5°	180.7	181.8	182.5	181.9	180.4	178.5	176.5	176.8	178.5	179.9	187.3
72°	175.2	175.9	176.3	175.7	173.8	171.2	169.9	169.9	171.8	173.3	180.0
72.5°	169.6	170.4	170.0	169.4	167.4	164.7	163.0	163.6	164.6	167.0	172.3
73°	164.1	164.4	164.7	163.2	161.0	158.3	156.4	157.2	158.2	160.7	166.8
73.5°	158.7	159.0	158.4	157.1	155.0	151.6	149.9	150.8	151.8	154.5	160.8
74°	153.1	153.2	152.9	151.1	148.5	144.9	143.2	144.4	145.5	148.3	154.7
74.5°	147.9	147.8	147.4	145.1	142.5	139.0	136.7	138.1	139.1	142.1	148.7
75°	142.8	142.5	141.3	139.4	136.4	132.6	130.2	131.5	133.2	135.9	142.6
75.5°	137.6	137.1	136.3	133.6	130.5	126.9	124.0	124.8	126.8	129.7	136.6
76°	132.3	131.9	131.7	128.0	124.4	120.2	117.8	118.3	120.4	124.0	130.5
76.5°	127.4	126.6	125.4	122.3	118.6	114.5	111.5	112.3	114.2	117.2	124.6
77°	122.4	121.5	119.9	116.8	112.9	108.5	105.4	106.1	108.5	111.3	118.7
77.5°	117.4	116.4	114.4	111.1	107.1	102.0	99.4	99.9	101.8	105.4	113.0
78°	112.6	111.4	109.5	105.6	101.6	96.8	93.5	93.8	96.2	99.6	107.6
78.5°	108.0	106.6	104.1	100.5	96.2	91.2	87.8	88.0	90.1	93.9	101.6
79°	103.3	101.7	99.1	95.4	90.7	85.7	82.1	82.1	84.4	88.3	96.6
79.5°	98.6	97.0	94.2	90.3	85.4	80.1	76.4	76.4	78.5	82.8	90.6
80°	94.4	92.4	89.4	85.2	80.1	74.8	70.9	70.6	73.2	77.3	84.5
80.5°	90.0	88.0	85.0	80.4	75.2	69.7	65.3	65.3	67.8	72.2	80.5
81°	85.7	83.5	80.3	75.7	70.3	65.6	60.6	60.2	62.6	67.1	75.0
81.5°	81.7	79.4	75.7	71.1	65.1	60.8	55.9	54.9	57.3	62.3	70.6
82°	77.7	75.3	71.8	66.5	60.9	56.0	51.2	49.7	52.4	57.3	65.1
82.5°	73.8	71.3	67.5	62.5	56.7	51.2	46.4	44.9	47.6	52.7	60.4
83°	70.0	67.4	63.9	58.6	52.5	46.4	41.8	40.4	42.9	47.8	55.9
83.5°	66.1	64.0	60.3	54.7	48.3	42.2	37.5	35.9	38.5	43.6	51.6
84°	63.0	60.6	56.6	50.8	44.3	38.0	33.2	31.7	34.3	39.5	47.5
84.5°	59.9	57.2	53.0	46.9	40.5	33.9	29.3	27.6	30.2	35.6	43.5
85°	56.8	53.9	49.4	43.3	36.8	30.1	25.3	23.8	26.3	31.6	39.5
85.5°	53.7	50.5	46.0	40.0	33.2	26.5	21.7	20.6	22.7	28.2	35.8
86°	50.6	47.3	42.8	36.7	29.9	23.1	18.1	17.3	19.7	24.6	32.3
86.5°	47.6	44.3	39.6	33.6	26.8	20.0	15.0	14.0	16.7	21.4	28.9
87°	44.6	41.4	36.7	30.7	24.0	17.2	12.1	10.8	13.7	18.8	25.8
87.5°	41.9	38.6	34.0	28.0	21.3	14.6	9.5	7.6	10.7	16.3	22.7
88°	39.2	36.0	31.3	25.4	18.8	12.2	7.0	5.2	7.8	13.7	20.3
88.5°	36.7	33.4	28.7	23.0	16.5	10.2	5.6	3.2	5.6	11.1	17.9



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	29.6	26.5	22.1	16.6	10.9	5.8	1.7	0.2	1.7	5.3	10.6
90.5°	27.7	24.5	20.1	14.9	9.4	4.8	1.2	0.2	1.2	4.1	8.9
91°	25.6	22.5	18.3	13.2	8.0	3.8	0.8	0.2	0.8	3.1	7.4
91.5°	23.7	20.7	16.6	11.7	6.8	2.8	0.6	0.2	0.6	2.5	6.1
92°	21.9	19.0	15.0	10.3	6.0	2.2	0.4	0.2	0.5	2.0	5.0
92.5°	20.2	17.3	13.5	9.1	5.2	1.8	0.4	0.2	0.5	1.7	4.2
93°	18.6	15.8	12.1	8.0	4.3	1.4	0.3	0.1	0.5	1.5	3.6
93.5°	17.1	14.4	10.9	7.0	3.5	1.2	0.3	0.1	0.5	1.4	3.2
94°	15.7	13.1	9.8	6.3	3.0	1.1	0.2	0.2	0.4	1.4	2.9
94.5°	14.4	12.0	8.7	5.6	2.6	0.9	0.3	0.2	0.4	1.3	2.7
95°	13.2	10.8	7.8	4.9	2.3	0.8	0.3	0.2	0.4	1.3	2.5
95.5°	12.0	9.8	7.0	4.2	2.1	0.7	0.3	0.2	0.4	1.2	2.4
96°	11.0	8.9	6.4	3.8	1.9	0.6	0.3	0.3	0.4	1.2	2.3
96.5°	10.1	8.0	5.8	3.4	1.7	0.6	0.3	0.3	0.4	1.2	2.3
97°	9.2	7.3	5.2	3.1	1.6	0.6	0.3	0.3	0.4	1.2	2.2
97.5°	8.4	6.7	4.6	2.8	1.4	0.5	0.3	0.4	0.4	1.2	2.2
98°	7.7	6.2	4.2	2.6	1.3	0.5	0.3	0.4	0.4	1.2	2.1
98.5°	7.0	5.6	3.9	2.4	1.2	0.5	0.4	0.4	0.4	1.1	2.1
99°	6.5	5.1	3.6	2.3	1.1	0.5	0.4	0.5	0.4	1.1	2.1
99.5°	6.0	4.7	3.4	2.1	1.0	0.6	0.5	0.5	0.4	1.1	2.1
100°	5.6	4.3	3.2	2.0	1.0	0.6	0.5	0.5	0.4	1.1	2.0
100.5°	5.1	4.1	3.0	1.8	0.9	0.6	0.5	0.6	0.5	1.1	2.0
101°	4.8	3.9	2.9	1.7	0.9	0.6	0.6	0.6	0.5	1.1	2.0
101.5°	4.5	3.7	2.7	1.6	0.9	0.7	0.6	0.6	0.5	1.1	2.0
102°	4.3	3.6	2.6	1.5	0.9	0.7	0.7	0.7	0.6	1.1	2.0
102.5°	4.1	3.4	2.4	1.4	0.9	0.7	0.8	0.8	0.7	1.1	2.0
103°	3.9	3.2	2.3	1.4	0.9	0.8	0.8	0.8	0.7	1.1	2.0
103.5°	3.8	3.1	2.2	1.3	0.9	0.8	0.8	0.9	0.8	1.1	2.0
104°	3.6	2.9	2.1	1.3	0.9	0.8	0.9	1.0	0.8	1.1	2.0
104.5°	3.4	2.8	2.0	1.2	1.0	0.9	0.9	1.1	0.9	1.1	2.0
105°	3.2	2.6	1.9	1.2	1.0	0.9	1.0	1.1	1.0	1.1	2.0
105.5°	3.1	2.5	1.8	1.2	1.1	1.0	1.1	1.2	1.0	1.1	2.0
106°	2.9	2.4	1.7	1.2	1.1	1.0	1.2	1.2	1.1	1.1	2.0
106.5°	2.8	2.2	1.6	1.2	1.1	1.0	1.4	1.3	1.3	1.1	2.0
107°	2.6	2.1	1.6	1.2	1.2	1.0	1.5	1.3	1.5	1.1	2.0
107.5°	2.5	2.1	1.5	1.2	1.2	1.1	1.6	1.4	1.5	1.1	2.0
108°	2.4	2.0	1.5	1.2	1.2	1.1	1.6	1.4	1.5	1.1	2.0
108.5°	2.3	1.9	1.4	1.3	1.2	1.1	1.6	1.5	1.5	1.1	1.9
109°	2.2	1.8	1.4	1.3	1.2	1.2	1.5	1.5	1.5	1.2	1.8
109.5°	2.1	1.7	1.4	1.3	1.2	1.2	1.5	1.5	1.4	1.2	1.8
110°	2.0	1.7	1.4	1.3	1.2	1.2	1.6	1.6	1.5	1.3	1.7
110.5°	1.9	1.6	1.5	1.3	1.2	1.3	1.6	1.6	1.5	1.3	1.7
111°	1.8	1.6	1.5	1.4	1.3	1.3	1.6	1.6	1.5	1.3	1.7



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**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	1.4	1.7	1.7	1.5	1.4	1.6
113°	1.6	1.6	1.6	1.3	1.4	1.5	1.7	1.7	1.6	1.5	1.6
113.5°	1.6	1.6	1.6	1.3	1.4	1.6	1.7	1.7	1.6	1.5	1.6
114°	1.6	1.6	1.6	1.2	1.4	1.6	1.8	1.8	1.6	1.6	1.5
114.5°	1.6	1.7	1.6	1.2	1.4	1.6	1.8	1.8	1.6	1.6	1.4
115°	1.7	1.7	1.7	1.3	1.4	1.6	1.8	1.8	1.6	1.6	1.3
115.5°	1.7	1.8	1.7	1.3	1.5	1.6	1.8	1.8	1.6	1.6	1.3
116°	1.7	1.8	1.7	1.3	1.5	1.7	1.8	1.8	1.6	1.6	1.3
116.5°	1.8	1.8	1.6	1.4	1.5	1.7	1.8	1.8	1.6	1.7	1.4
117°	1.8	1.8	1.5	1.4	1.5	1.8	1.8	1.7	1.6	1.7	1.4
117.5°	1.9	1.8	1.4	1.4	1.6	2.0	1.8	1.7	1.6	1.7	1.4
118°	1.9	1.9	1.4	1.5	1.6	2.1	1.8	1.7	1.5	1.9	1.4
118.5°	1.9	1.9	1.4	1.5	1.6	2.1	1.8	1.6	1.5	2.1	1.5
119°	1.9	1.8	1.4	1.6	1.7	2.2	1.8	1.6	1.5	2.2	1.5
119.5°	1.9	1.7	1.5	1.6	1.7	2.1	1.8	1.6	1.6	2.2	1.5
120°	2.0	1.6	1.5	1.6	1.7	2.1	1.8	1.7	1.6	2.1	1.5
120.5°	2.0	1.5	1.5	1.6	1.8	2.0	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	1.6	2.0	1.6
121.5°	1.7	1.5	1.6	1.7	1.8	1.9	1.9	1.7	1.7	2.0	1.6
122°	1.6	1.5	1.6	1.7	1.9	1.9	1.9	1.7	1.7	2.0	1.7
122.5°	1.5	1.5	1.7	1.8	1.9	1.9	2.0	1.7	1.7	2.0	1.7
123°	1.5	1.6	1.7	1.8	1.9	2.0	2.0	1.8	1.7	2.0	1.7
123.5°	1.5	1.6	1.7	1.8	2.0	2.0	2.0	1.8	1.7	2.0	1.8
124°	1.5	1.6	1.8	1.8	2.0	2.0	2.0	1.8	1.7	2.1	1.8
124.5°	1.5	1.6	1.8	1.9	2.1	2.1	2.0	1.8	1.8	2.1	1.8
125°	1.6	1.7	1.8	1.9	2.1	2.1	2.1	1.8	1.8	2.1	1.9
125.5°	1.6	1.7	1.8	1.9	2.2	2.1	2.1	1.8	1.8	2.1	1.9
126°	1.6	1.8	1.9	2.0	2.3	2.1	2.1	1.8	1.8	2.1	1.9
126.5°	1.7	1.8	1.9	2.0	2.4	2.1	2.1	1.8	1.8	2.1	2.0
127°	1.7	1.8	1.9	2.0	2.5	2.1	2.1	1.8	1.8	2.1	2.1
127.5°	1.7	1.8	2.0	2.1	2.6	2.1	2.1	1.8	1.8	2.1	2.2
128°	1.8	1.9	2.0	2.1	2.6	2.1	2.1	1.9	1.8	2.1	2.4
128.5°	1.8	1.9	2.0	2.1	2.6	2.1	2.1	1.9	1.8	2.1	2.6
129°	1.8	1.9	2.0	2.2	2.6	2.0	2.1	1.9	1.9	2.0	2.6
129.5°	1.9	1.9	2.1	2.2	2.5	2.0	2.2	1.9	1.9	2.0	2.5
130°	1.9	2.0	2.1	2.2	2.5	2.0	2.2	1.9	1.9	2.0	2.4
130.5°	1.9	2.0	2.1	2.3	2.4	2.0	2.1	1.9	1.9	2.0	2.3
131°	1.9	2.0	2.1	2.3	2.4	2.0	2.1	1.9	1.9	2.0	2.3
131.5°	2.0	2.0	2.2	2.4	2.4	2.0	2.2	1.9	1.9	2.0	2.4
132°	2.0	2.1	2.2	2.5	2.4	2.0	2.2	1.9	1.9	1.9	2.4
132.5°	2.0	2.1	2.2	2.6	2.4	2.0	2.2	1.9	1.9	1.9	2.4
133°	2.0	2.1	2.3	2.8	2.4	2.0	2.2	1.9	1.9	1.9	2.3
133.5°	2.1	2.1	2.3	2.9	2.4	2.0	2.2	2.0	1.9	2.0	2.3



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	2.1	2.2	2.4	3.2	2.4	2.1	2.2	2.0	2.0	2.0	2.4
135.5°	2.2	2.3	2.4	3.2	2.4	2.1	2.2	2.0	2.0	2.0	2.4
136°	2.2	2.3	2.5	3.1	2.5	2.1	2.3	1.9	2.0	2.1	2.4
136.5°	2.2	2.3	2.6	3.0	2.5	2.1	2.3	2.0	2.0	2.1	2.5
137°	2.2	2.3	2.6	2.9	2.5	2.2	2.3	2.0	2.0	2.1	2.5
137.5°	2.3	2.4	2.8	2.8	2.5	2.2	2.3	2.0	2.0	2.1	2.5
138°	2.3	2.4	3.0	2.8	2.4	2.3	2.3	2.0	2.0	2.2	2.4
138.5°	2.3	2.5	3.1	2.7	2.4	2.3	2.3	2.0	2.0	2.2	2.4
139°	2.4	2.5	3.3	2.7	2.4	2.3	2.4	2.1	2.1	2.2	2.4
139.5°	2.4	2.5	3.4	2.7	2.3	2.4	2.4	2.1	2.1	2.3	2.4
140°	2.4	2.6	3.4	2.8	2.3	2.4	2.4	2.1	2.1	2.3	2.4
140.5°	2.5	2.7	3.4	2.8	2.2	2.4	2.4	2.1	2.1	2.3	2.3
141°	2.5	2.9	3.2	2.8	2.2	2.4	2.4	2.1	2.1	2.3	2.3
141.5°	2.6	3.0	3.1	2.9	2.1	2.4	2.4	2.1	2.1	2.4	2.3
142°	2.6	3.2	3.0	2.9	2.1	2.4	2.4	2.1	2.1	2.4	2.3
142.5°	2.7	3.3	2.9	2.8	2.1	2.4	2.4	2.1	2.1	2.4	2.3
143°	2.9	3.4	2.9	2.8	2.1	2.4	2.4	2.2	2.1	2.4	2.3
143.5°	3.0	3.4	2.8	2.8	2.2	2.5	2.3	2.2	2.2	2.4	2.3
144°	3.2	3.4	2.8	2.7	2.2	2.4	2.3	2.2	2.2	2.5	2.3
144.5°	3.4	3.2	2.8	2.7	2.2	2.5	2.3	2.2	2.2	2.5	2.3
145°	3.5	3.1	2.9	2.6	2.2	2.5	2.3	2.2	2.2	2.5	2.3
145.5°	3.5	3.0	2.9	2.5	2.2	2.5	2.3	2.1	2.2	2.5	2.3
146°	3.5	2.9	2.9	2.4	2.2	2.5	2.3	2.1	2.2	2.5	2.3
146.5°	3.3	2.9	2.9	2.4	2.2	2.5	2.3	2.1	2.2	2.5	2.3
147°	3.2	2.9	2.9	2.3	2.3	2.5	2.3	2.2	2.2	2.5	2.4
147.5°	3.1	2.8	2.9	2.2	2.3	2.5	2.3	2.2	2.2	2.5	2.4
148°	3.0	2.9	2.8	2.2	2.3	2.5	2.3	2.2	2.2	2.6	2.4
148.5°	2.9	2.9	2.7	2.1	2.3	2.5	2.3	2.2	2.1	2.6	2.4
149°	2.9	2.9	2.7	2.1	2.3	2.5	2.3	2.2	2.1	2.6	2.4
149.5°	2.9	2.9	2.6	2.1	2.4	2.5	2.3	2.2	2.1	2.5	2.4
150°	2.9	2.9	2.5	2.1	2.4	2.5	2.2	2.2	2.1	2.5	2.4
150.5°	2.9	2.9	2.4	2.1	2.4	2.5	2.2	2.2	2.1	2.6	2.5
151°	2.9	2.8	2.3	2.1	2.4	2.5	2.2	2.2	2.1	2.6	2.5
151.5°	2.9	2.7	2.2	2.1	2.4	2.5	2.3	2.2	2.1	2.6	2.6
152°	2.9	2.6	2.2	2.1	2.4	2.5	2.3	2.2	2.1	2.6	2.6
152.5°	2.9	2.5	2.1	2.2	2.4	2.5	2.3	2.2	2.1	2.6	2.6
153°	2.8	2.4	2.1	2.2	2.5	2.5	2.2	2.2	2.1	2.6	2.6
153.5°	2.7	2.3	2.1	2.2	2.5	2.5	2.2	2.2	2.1	2.6	2.6
154°	2.6	2.2	2.1	2.2	2.5	2.5	2.2	2.1	2.1	2.5	2.6
154.5°	2.5	2.2	2.1	2.3	2.5	2.5	2.2	2.1	2.1	2.5	2.6
155°	2.4	2.1	2.1	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6
155.5°	2.3	2.1	2.1	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6
156°	2.2	2.0	2.1	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1
0.5°	993.4	991.6	991.9	996.9	993.5	992.4	991.1	991.7	993.7	993.2	991.7
1°	996.1	991.0	991.9	993.3	994.0	993.8	990.6	990.8	992.5	991.0	991.7
1.5°	991.5	991.6	991.0	992.8	993.1	991.2	991.2	992.4	992.5	993.4	991.4
2°	990.2	990.7	991.0	992.9	993.2	995.9	990.5	989.7	993.2	993.2	993.6
2.5°	990.2	990.2	990.1	995.2	992.3	992.2	990.8	990.9	992.7	995.1	991.6
3°	989.2	989.7	989.7	991.3	991.3	991.7	988.8	990.4	992.7	993.5	990.9
3.5°	988.1	989.0	988.9	989.5	990.6	989.9	990.2	989.5	991.2	991.9	989.4
4°	987.4	987.3	988.5	991.1	989.4	989.7	989.0	988.9	990.6	990.0	990.2
4.5°	985.8	986.2	987.0	991.5	990.5	990.1	988.8	988.3	989.9	990.2	989.0
5°	984.2	985.8	986.2	987.8	988.9	986.2	987.3	987.2	989.4	989.6	987.9
5.5°	983.3	984.0	984.3	991.9	986.8	989.1	985.0	986.4	988.0	989.2	987.4
6°	981.9	982.4	982.9	986.0	985.3	984.3	985.9	985.5	987.2	987.7	987.5
6.5°	980.8	980.8	981.8	983.0	984.0	982.6	984.1	984.2	985.4	986.8	985.4
7°	978.8	979.2	980.7	982.5	982.1	983.0	981.9	981.9	985.1	986.0	984.3
7.5°	976.8	978.0	978.4	979.9	981.1	983.8	981.4	981.1	982.9	983.5	982.4
8°	975.4	976.1	976.7	979.5	979.1	979.3	977.1	979.2	981.9	982.6	981.4
8.5°	973.8	973.5	974.9	976.8	977.8	973.9	976.4	977.2	980.0	980.5	979.2
9°	970.9	971.5	972.5	974.1	973.7	976.3	973.2	975.9	978.5	978.8	977.7
9.5°	968.6	969.5	970.1	973.3	972.5	975.1	972.2	973.7	976.4	978.4	976.2
10°	966.9	967.6	967.4	971.2	970.9	970.7	971.0	972.2	974.0	979.6	974.6
10.5°	964.1	964.2	966.0	968.6	968.5	968.3	968.8	969.2	972.2	975.1	972.1
11°	961.4	962.1	963.5	967.6	968.6	965.9	967.9	967.0	969.7	990.2	969.5
11.5°	958.5	959.5	960.5	966.1	963.7	963.0	965.3	964.6	967.6	967.6	965.9
12°	955.4	956.8	957.7	960.0	961.3	960.5	962.0	962.6	965.2	965.4	964.8
12.5°	953.3	954.1	955.7	956.1	957.9	956.7	958.9	960.5	961.8	963.1	962.1
13°	950.0	951.3	952.7	955.0	954.4	959.2	957.5	957.0	959.4	960.4	961.6
13.5°	947.2	947.7	948.8	960.4	954.3	949.1	951.7	955.5	956.5	957.9	956.9
14°	943.1	944.7	945.6	948.3	949.5	946.8	950.3	951.2	953.3	954.7	954.2
14.5°	940.2	941.6	942.0	945.3	946.8	948.7	946.0	947.2	950.8	951.2	951.2
15°	937.3	938.5	939.1	941.9	947.8	948.7	943.3	945.2	947.6	949.0	948.0
15.5°	934.0	934.2	935.5	936.2	937.8	940.0	939.5	941.9	944.4	945.1	945.4
16°	929.4	930.5	932.1	938.1	934.3	938.5	936.5	937.9	940.6	942.5	940.9
16.5°	926.5	927.0	927.9	930.7	930.8	935.4	932.8	935.1	936.8	938.4	937.2
17°	922.8	923.6	924.5	928.1	928.0	929.5	929.4	930.8	932.8	935.1	934.0
17.5°	918.5	919.3	920.1	925.3	923.8	923.3	925.2	925.9	929.7	930.7	931.5
18°	914.1	915.1	916.8	917.3	919.4	921.8	921.9	922.6	925.5	927.3	928.1
18.5°	910.1	911.5	912.3	915.5	917.2	916.9	917.1	918.6	921.5	923.9	923.4
19°	905.6	907.0	908.2	913.6	911.8	910.0	912.2	916.1	917.1	919.0	919.3
19.5°	902.4	902.2	903.8	905.1	906.5	908.1	909.3	905.3	913.3	914.9	916.1
20°	896.8	897.9	899.3	902.2	901.5	903.7	903.9	904.1	908.9	911.2	911.4
20.5°	892.2	893.7	894.4	897.5	898.5	898.3	899.4	901.9	904.4	906.9	906.8
21°	887.0	888.4	889.9	893.0	890.4	891.9	894.1	898.7	898.5	901.9	902.3





TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	873.0	873.8	875.1	874.9	878.0	879.0	880.0	881.1	886.8	887.6	888.9
23°	868.1	869.0	870.1	869.2	871.9	874.1	875.0	876.0	880.7	883.1	882.9
23.5°	862.8	863.7	864.5	867.7	866.5	869.3	869.6	871.9	875.8	878.4	879.0
24°	857.4	858.6	859.5	862.9	863.7	863.6	865.1	867.2	870.6	873.3	873.8
24.5°	851.8	853.0	853.7	860.3	856.3	853.4	859.3	862.3	865.6	867.6	869.1
25°	846.4	847.2	848.2	850.4	849.5	854.2	853.8	856.6	859.6	862.7	863.2
25.5°	840.7	842.1	842.6	843.8	846.5	847.2	847.6	850.3	854.6	857.6	859.0
26°	835.7	836.4	837.3	838.2	840.3	840.2	842.8	845.1	847.7	851.9	852.0
26.5°	830.1	830.7	830.8	832.9	833.6	834.9	838.0	838.0	843.3	845.9	847.8
27°	823.9	824.6	825.6	828.1	827.6	828.1	830.2	833.2	830.6	840.6	841.1
27.5°	818.4	818.2	819.0	821.9	821.9	822.4	826.3	827.3	831.9	834.4	836.7
28°	811.6	812.2	813.1	813.8	813.9	816.1	817.3	822.6	825.3	828.6	830.5
28.5°	806.1	806.3	807.4	807.0	808.9	813.4	810.2	814.0	819.2	823.8	823.9
29°	799.5	800.5	801.2	806.3	802.1	804.0	803.4	811.6	814.3	817.7	818.5
29.5°	793.3	793.8	794.6	795.4	797.2	797.1	800.1	802.9	807.2	811.2	811.6
30°	787.2	787.4	787.8	790.5	789.4	790.5	792.7	791.6	800.7	804.9	806.2
30.5°	780.6	781.0	781.3	783.2	782.9	782.4	786.1	789.8	794.6	798.2	799.9
31°	773.9	774.6	775.1	775.6	776.3	776.9	777.4	784.9	787.9	792.2	797.1
31.5°	768.1	768.2	768.1	769.3	768.2	772.3	771.7	773.9	780.9	785.0	787.4
32°	761.2	761.6	761.7	763.8	763.3	762.6	764.9	771.3	775.0	779.3	781.0
32.5°	754.9	754.6	754.6	755.6	755.2	756.6	758.7	762.1	767.9	772.9	775.0
33°	747.8	748.1	747.9	747.4	748.1	746.1	751.1	756.7	761.1	765.9	767.9
33.5°	741.2	740.9	740.3	740.9	741.9	737.1	743.9	747.3	754.1	759.1	761.2
34°	734.2	733.6	733.3	734.4	734.1	741.6	736.0	742.0	747.5	751.7	753.9
34.5°	727.8	727.4	726.7	727.5	725.8	725.7	729.8	734.9	740.2	745.0	747.1
35°	720.4	719.9	719.3	720.4	719.0	714.8	723.1	725.2	732.9	738.0	741.3
35.5°	713.4	712.8	711.9	713.0	711.8	714.2	715.7	719.7	726.1	731.0	733.9
36°	706.2	705.6	704.8	707.0	704.7	707.0	707.1	710.7	718.7	724.1	727.5
36.5°	700.1	699.0	697.8	697.9	696.3	695.5	701.8	704.6	711.5	717.4	720.0
37°	691.9	691.7	690.0	688.7	687.8	689.4	691.3	697.7	703.7	709.9	712.9
37.5°	684.5	683.8	682.2	682.4	682.4	681.8	685.0	689.7	696.0	702.4	706.8
38°	677.2	676.4	675.2	675.4	673.0	672.6	676.7	682.7	689.0	694.8	697.3
38.5°	670.1	669.0	667.6	667.5	665.9	666.0	669.2	674.8	681.6	687.4	690.8
39°	662.8	661.4	660.1	661.8	657.5	657.0	660.7	667.1	673.9	680.2	684.0
39.5°	655.5	654.4	652.2	651.0	650.3	653.8	652.6	659.6	666.3	672.4	676.4
40°	647.7	646.2	644.4	643.2	642.5	643.1	644.6	651.5	658.5	665.4	668.0
40.5°	640.4	639.2	636.8	636.1	633.7	635.6	636.9	643.1	650.3	657.1	661.2
41°	632.9	631.3	628.7	627.5	631.3	627.4	629.6	634.8	642.9	650.1	654.4
41.5°	625.8	623.6	621.4	626.3	618.9	618.3	622.2	626.6	635.6	642.0	646.8
42°	617.8	616.4	613.8	611.9	609.3	611.2	613.6	618.9	627.8	634.3	638.5
42.5°	610.0	608.2	605.8	603.4	601.7	604.0	605.4	611.2	619.9	626.4	631.0
43°	602.4	600.6	598.0	595.0	595.0	594.1	597.9	603.4	611.4	618.8	624.3
43.5°	595.1	593.0	590.1	588.4	586.1	585.6	589.7	594.5	603.4	610.8	615.8



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	571.9	569.5	566.1	565.8	563.0	562.2	565.5	573.1	580.5	587.5	592.4
45.5°	564.1	561.6	558.7	556.5	553.9	554.3	556.8	562.3	572.2	579.9	585.6
46°	556.6	553.9	550.7	547.9	546.5	546.4	548.2	558.2	564.2	572.2	576.8
46.5°	548.6	545.7	543.0	541.7	538.6	538.3	541.4	548.9	556.1	564.2	569.0
47°	540.9	538.2	534.6	532.1	528.1	530.4	533.0	541.7	548.2	556.2	561.1
47.5°	533.4	530.4	527.1	523.2	522.6	522.3	525.1	532.8	540.3	548.2	553.6
48°	525.4	522.8	519.0	516.9	514.3	514.3	517.6	522.8	532.3	540.1	545.9
48.5°	517.7	514.9	511.4	507.9	505.5	506.2	509.4	514.3	524.3	532.5	539.7
49°	509.7	507.4	503.2	501.2	495.0	498.6	500.9	508.1	516.4	524.3	529.6
49.5°	502.2	499.3	495.5	492.8	490.6	490.4	492.9	497.8	508.6	516.8	523.2
50°	494.2	491.5	487.7	484.8	482.1	482.7	485.5	491.6	500.7	508.6	512.2
50.5°	486.6	483.7	480.1	477.0	473.7	474.6	477.2	484.8	492.7	500.6	505.8
51°	479.1	475.7	472.3	469.4	466.9	466.9	469.5	474.3	484.9	492.9	498.4
51.5°	471.8	468.1	464.4	461.1	458.7	458.9	462.1	468.1	476.8	484.8	491.0
52°	463.3	460.6	456.8	454.0	451.0	451.4	454.2	458.5	469.2	477.4	483.2
52.5°	455.8	452.7	448.7	445.9	443.2	443.6	446.4	451.3	461.0	469.2	475.1
53°	447.3	445.0	441.4	438.6	435.5	436.1	438.6	445.4	453.8	461.6	467.0
53.5°	426.2	437.3	433.9	429.7	427.4	428.2	430.9	436.7	445.3	453.7	459.4
54°	432.8	430.0	426.1	421.0	420.2	421.0	423.6	430.3	438.0	446.0	451.8
54.5°	424.7	422.2	418.5	417.0	413.3	413.4	416.2	423.3	430.3	438.1	443.6
55°	417.1	414.8	410.9	408.4	404.8	406.1	408.4	413.6	422.5	430.5	436.4
55.5°	410.6	407.4	403.6	400.6	397.0	398.5	401.0	407.7	415.0	422.9	428.9
56°	401.6	399.8	396.0	392.6	390.5	390.8	393.8	399.7	407.3	415.5	420.7
56.5°	395.1	392.3	388.7	385.5	383.7	383.7	386.5	392.4	400.0	407.6	413.2
57°	387.3	384.9	381.2	379.5	377.8	376.1	378.9	385.1	392.4	400.4	405.3
57.5°	381.5	377.2	373.8	371.0	369.2	369.2	372.1	377.7	385.0	392.6	397.8
58°	373.1	370.0	366.6	363.7	363.0	361.7	364.8	370.1	377.8	384.9	390.4
58.5°	365.6	362.9	359.5	356.8	356.8	354.9	357.5	362.8	370.1	377.6	382.8
59°	358.1	355.5	352.3	348.8	342.8	347.6	350.5	356.0	363.1	370.2	375.3
59.5°	350.8	348.2	345.3	342.6	339.9	340.7	344.0	348.7	355.8	362.7	367.8
60°	343.3	340.7	337.9	335.9	333.6	333.6	336.3	341.4	348.7	355.2	359.8
60.5°	338.3	334.0	331.3	328.4	326.4	326.8	329.8	334.9	341.6	347.9	352.8
61°	328.5	326.8	324.0	321.4	319.8	320.1	322.7	327.7	334.4	341.2	345.2
61.5°	324.0	319.9	317.2	315.2	312.8	313.4	315.7	321.0	327.2	333.6	338.2
62°	314.5	312.4	309.8	307.6	306.1	306.7	309.2	313.7	319.9	326.5	330.8
62.5°	307.3	305.5	303.1	301.4	300.5	299.8	302.3	306.9	313.1	319.1	323.0
63°	300.7	298.5	296.5	294.1	292.5	293.5	295.7	299.9	306.4	312.2	315.7
63.5°	293.2	291.8	289.8	287.3	286.4	286.6	289.1	293.2	299.4	305.3	309.1
64°	286.6	285.0	283.0	281.0	279.8	280.4	282.6	286.7	292.3	298.0	301.6
64.5°	279.1	278.1	276.4	274.3	273.9	273.9	276.3	280.1	285.6	291.1	294.5
65°	272.4	271.3	269.7	268.5	267.5	267.7	269.7	273.9	279.2	284.4	287.6
65.5°	265.8	264.6	263.1	262.2	260.8	261.0	263.0	267.2	272.6	277.2	280.3
66°	258.9	257.9	256.4	255.1	254.2	255.0	256.7	260.9	265.8	270.2	273.4



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	238.8	238.1	237.3	236.6	236.4	236.7	238.3	241.7	246.3	250.3	251.9
68°	232.5	231.8	231.1	231.0	230.0	230.4	232.2	235.5	239.9	243.7	245.8
68.5°	225.2	225.4	225.2	224.2	223.9	224.5	226.1	229.6	233.5	236.9	238.6
69°	218.8	218.9	218.5	218.1	217.8	218.5	220.2	223.4	227.2	230.4	231.5
69.5°	212.0	212.6	212.5	212.2	212.3	212.7	214.4	217.3	221.1	224.1	225.0
70°	206.6	206.4	206.5	206.2	206.1	206.8	208.5	211.4	214.7	217.5	218.7
70.5°	198.8	200.3	200.6	200.3	200.0	201.1	203.1	205.6	208.6	211.2	211.7
71°	192.4	194.1	194.5	194.9	195.0	195.6	197.2	199.4	202.5	204.9	205.8
71.5°	186.8	188.0	188.6	188.8	189.3	189.8	191.6	193.7	196.8	198.6	198.9
72°	180.6	181.8	182.6	183.0	183.5	184.3	185.8	188.0	190.5	192.4	192.9
72.5°	174.1	175.9	177.0	177.9	178.1	178.7	180.1	182.2	184.8	186.4	186.3
73°	167.9	170.0	171.3	172.2	172.1	173.3	174.9	176.5	178.8	180.2	180.3
73.5°	162.3	164.2	165.7	166.6	167.4	167.9	169.2	171.1	173.2	174.2	173.4
74°	156.6	158.9	160.4	161.1	162.5	162.8	163.7	165.6	167.4	168.3	167.6
74.5°	150.9	153.6	155.0	156.0	157.3	157.7	158.7	160.1	161.7	162.4	161.8
75°	145.3	148.2	149.7	150.9	152.2	152.7	153.7	155.1	156.4	156.8	155.9
75.5°	139.5	142.9	144.4	145.8	147.1	147.7	148.7	150.1	151.1	151.3	150.0
76°	128.3	137.6	139.1	140.7	142.0	142.7	143.6	145.1	145.8	145.7	144.1
76.5°	128.5	131.3	133.6	135.4	136.8	137.7	138.6	140.0	140.5	140.1	138.2
77°	121.7	126.1	128.6	130.9	131.7	132.9	133.8	134.6	135.2	134.7	132.4
77.5°	116.8	120.1	123.4	126.0	126.9	128.0	128.9	129.6	129.9	129.1	126.4
78°	111.4	114.4	118.3	120.8	122.2	123.2	123.8	124.2	124.6	123.4	120.7
78.5°	105.9	110.0	113.4	115.9	117.4	118.3	119.1	119.6	119.6	118.2	115.3
79°	100.4	106.0	108.4	110.9	112.5	113.7	114.4	114.8	114.2	112.9	109.6
79.5°	95.2	99.8	103.7	106.4	108.0	109.1	109.8	110.1	109.4	107.6	103.9
80°	90.0	95.4	99.0	101.8	104.3	104.7	105.4	105.4	104.6	102.6	99.0
80.5°	85.8	90.2	94.5	97.4	99.3	100.4	100.8	100.8	99.8	97.6	93.5
81°	80.2	85.3	89.9	93.3	95.0	96.0	96.5	96.3	95.2	92.6	88.7
81.5°	75.5	81.1	85.5	88.6	90.5	91.8	92.2	91.8	90.6	87.9	83.3
82°	71.1	77.8	81.2	84.5	86.7	87.7	88.1	87.5	86.1	83.2	78.5
82.5°	66.7	72.1	77.0	80.6	82.3	83.5	83.7	83.4	81.7	78.8	73.7
83°	62.2	68.0	72.8	76.4	78.3	79.5	79.9	79.2	77.5	74.1	69.1
83.5°	58.1	64.0	68.8	72.3	74.6	75.6	75.9	75.1	73.2	69.8	64.6
84°	54.6	60.0	64.9	68.5	71.0	71.9	72.2	71.3	69.2	65.6	60.3
84.5°	50.1	56.3	61.1	64.7	66.5	68.1	68.2	67.3	65.2	61.6	56.0
85°	46.3	52.4	57.3	61.0	63.2	64.4	64.5	63.5	61.3	57.5	51.9
85.5°	42.7	48.7	53.7	57.4	59.7	60.9	61.0	59.8	57.6	53.7	48.0
86°	39.0	45.2	50.3	54.1	56.2	57.5	57.5	56.3	53.8	49.8	44.2
86.5°	35.6	41.7	46.8	50.6	53.0	54.1	54.0	53.1	50.3	46.3	40.8
87°	32.4	38.6	43.6	47.5	49.7	50.9	50.8	49.6	46.9	42.7	37.1
87.5°	29.4	35.4	40.5	44.2	46.6	47.7	47.6	46.3	43.7	39.5	33.6
88°	26.4	32.4	37.4	41.2	43.5	44.6	44.5	43.1	40.4	36.1	30.4
88.5°	23.6	29.6	34.5	38.2	40.6	41.6	41.6	40.1	37.4	33.1	27.4



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	16.9	21.8	26.5	30.3	32.4	33.4	33.2	31.6	28.9	24.7	19.8
90.5°	14.8	19.7	24.2	27.6	29.9	30.9	30.7	29.3	26.4	22.3	17.7
91°	12.7	17.9	21.9	25.3	27.5	28.5	28.2	26.8	24.0	19.9	15.7
91.5°	10.7	16.0	19.8	23.1	25.3	26.2	25.9	24.4	21.7	18.1	13.7
92°	9.1	14.2	18.1	21.1	23.1	23.9	23.7	22.3	19.6	16.3	11.6
92.5°	7.9	12.4	16.4	19.1	21.0	22.0	21.7	20.2	17.9	14.5	9.6
93°	6.8	10.6	14.7	17.5	19.2	20.0	19.8	18.4	16.3	12.7	8.3
93.5°	5.9	9.3	13.0	16.0	17.7	18.3	18.0	16.9	14.6	10.8	7.2
94°	5.2	8.2	11.4	14.5	16.2	16.9	16.6	15.4	12.9	9.5	6.2
94.5°	4.6	7.3	10.2	12.9	14.7	15.4	15.2	13.9	11.3	8.5	5.5
95°	4.2	6.5	9.1	11.4	13.2	14.0	13.8	12.4	10.1	7.5	4.9
95.5°	3.9	5.9	8.2	10.3	11.7	12.6	12.4	11.0	9.0	6.7	4.4
96°	3.7	5.4	7.4	9.3	10.6	11.2	11.0	9.9	8.2	6.1	4.1
96.5°	3.5	5.0	6.8	8.5	9.7	10.2	10.0	9.0	7.5	5.6	3.9
97°	3.4	4.8	6.3	7.8	8.9	9.3	9.2	8.3	6.9	5.2	3.7
97.5°	3.3	4.6	5.9	7.3	8.2	8.6	8.4	7.6	6.4	5.0	3.6
98°	3.2	4.5	5.7	6.8	7.7	8.0	7.8	7.1	6.0	4.8	3.5
98.5°	3.2	4.3	5.5	6.5	7.2	7.5	7.4	6.7	5.8	4.6	3.4
99°	3.1	4.2	5.3	6.3	6.9	7.1	7.0	6.4	5.6	4.5	3.3
99.5°	3.1	4.2	5.2	6.1	6.7	6.9	6.8	6.3	5.5	4.4	3.3
100°	3.0	4.1	5.1	6.0	6.5	6.7	6.6	6.1	5.3	4.3	3.2
100.5°	3.0	4.0	5.0	5.8	6.3	6.5	6.4	6.0	5.2	4.2	3.2
101°	3.0	3.9	4.9	5.7	6.2	6.4	6.3	5.8	5.1	4.1	3.1
101.5°	2.9	3.9	4.8	5.6	6.1	6.3	6.1	5.7	5.0	4.1	3.1
102°	2.9	3.8	4.7	5.5	6.0	6.1	6.0	5.6	4.9	4.0	3.0
102.5°	2.9	3.8	4.6	5.4	5.8	6.0	5.9	5.5	4.8	3.9	3.0
103°	2.8	3.7	4.6	5.3	5.7	5.9	5.8	5.4	4.7	3.9	3.0
103.5°	2.8	3.7	4.5	5.2	5.6	5.8	5.7	5.3	4.7	3.8	2.9
104°	2.8	3.7	4.4	5.1	5.6	5.7	5.6	5.2	4.6	3.8	2.9
104.5°	2.8	3.7	4.4	5.0	5.5	5.6	5.5	5.1	4.5	3.8	2.8
105°	2.8	3.6	4.3	5.0	5.4	5.5	5.4	5.1	4.5	3.7	2.8
105.5°	2.8	3.5	4.3	4.9	5.3	5.4	5.3	5.0	4.4	3.7	2.7
106°	2.7	3.5	4.3	4.9	5.2	5.4	5.3	4.9	4.4	3.6	2.7
106.5°	2.7	3.5	4.2	4.8	5.2	5.3	5.2	4.9	4.3	3.5	2.7
107°	2.7	3.4	4.2	4.8	5.1	5.2	5.1	4.8	4.3	3.5	2.7
107.5°	2.7	3.4	4.1	4.7	5.1	5.2	5.1	4.8	4.2	3.5	2.7
108°	2.7	3.4	4.1	4.7	5.0	5.1	5.0	4.7	4.1	3.4	2.7
108.5°	2.7	3.4	4.0	4.6	5.0	5.1	5.0	4.7	4.1	3.4	2.6
109°	2.7	3.4	4.0	4.5	4.9	5.1	5.0	4.6	4.0	3.4	2.6
109.5°	2.7	3.3	3.9	4.5	4.9	5.0	4.9	4.5	4.0	3.4	2.6
110°	2.7	3.3	3.9	4.4	4.8	4.9	4.8	4.5	4.0	3.4	2.5
110.5°	2.6	3.3	3.9	4.4	4.7	4.8	4.7	4.4	3.9	3.3	2.5
111°	2.6	3.3	3.9	4.4	4.7	4.8	4.7	4.4	3.9	3.3	2.5



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	992.1	992.1	992.1	992.1
0.5°	992.7	990.9	987.9	992.1
1°	992.1	991.4	994.3	992.8
1.5°	992.8	990.8	991.8	991.6
2°	992.1	990.8	991.5	991.8
2.5°	992.4	990.1	992.7	991.2
3°	991.4	990.3	990.9	992.3
3.5°	991.7	989.5	991.0	991.5
4°	990.5	988.6	992.2	990.7
4.5°	989.6	989.5	988.9	989.1
5°	989.7	987.9	989.7	989.1
5.5°	988.5	987.0	987.1	987.8
6°	988.3	987.5	988.8	986.8
6.5°	985.9	984.3	986.1	984.5
7°	984.4	983.5	985.1	984.8
7.5°	982.7	983.0	984.4	982.7
8°	981.4	979.8	981.7	980.9
8.5°	980.2	979.1	979.7	979.3
9°	978.7	977.3	977.9	978.3
9.5°	976.4	976.5	977.8	975.0
10°	974.6	973.5	977.2	975.7
10.5°	972.9	971.3	965.6	972.7
11°	970.3	969.8	969.7	969.7
11.5°	968.3	966.1	971.8	968.9
12°	965.8	964.3	972.1	964.9
12.5°	963.0	962.2	959.0	962.1
13°	961.2	959.7	960.1	958.9
13.5°	957.8	957.3	960.4	957.8
14°	955.2	953.1	954.8	953.1
14.5°	952.2	951.1	954.5	949.9
15°	948.4	948.5	951.9	951.2
15.5°	945.8	944.1	941.4	944.1
16°	942.9	940.7	940.3	942.1
16.5°	939.9	937.7	943.9	936.0
17°	935.7	933.0	934.5	935.9
17.5°	931.4	930.4	934.2	931.1
18°	928.6	927.6	930.0	928.0
18.5°	925.0	922.0	924.0	923.8
19°	920.4	920.3	920.5	919.4
19.5°	916.4	914.3	916.4	915.1
20°	912.5	910.0	913.4	911.9
20.5°	908.8	907.1	907.5	906.9
21°	903.9	903.7	905.1	903.0



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	890.3	888.4	895.0	889.5
23°	885.4	884.4	885.7	885.1
23.5°	880.7	880.6	883.9	883.6
24°	874.8	873.4	874.6	876.1
24.5°	870.2	869.4	870.3	882.0
25°	864.8	863.2	864.5	866.3
25.5°	859.7	858.9	860.4	858.7
26°	854.4	851.7	855.2	852.9
26.5°	849.8	849.5	849.0	848.5
27°	844.1	843.3	844.6	841.8
27.5°	838.3	836.7	838.7	836.1
28°	832.6	831.5	832.5	833.4
28.5°	826.3	825.5	827.3	832.6
29°	820.8	819.3	821.6	815.7
29.5°	814.6	814.6	815.4	815.0
30°	808.2	807.4	808.8	806.8
30.5°	802.4	802.3	802.7	802.0
31°	796.3	796.1	797.0	793.5
31.5°	789.8	788.2	790.7	789.6
32°	783.4	783.8	784.2	779.7
32.5°	777.0	777.8	778.1	778.1
33°	770.8	768.3	771.2	769.1
33.5°	764.2	764.4	765.1	761.6
34°	757.0	758.1	758.3	754.6
34.5°	750.4	750.8	751.7	751.6
35°	743.6	744.0	744.8	743.5
35.5°	737.1	737.0	737.2	735.9
36°	729.9	730.3	733.7	729.8
36.5°	723.0	722.3	722.9	722.5
37°	715.7	715.8	717.3	715.9
37.5°	708.5	708.2	709.1	706.5
38°	701.4	701.4	703.1	697.0
38.5°	694.7	694.8	693.5	690.7
39°	687.2	688.1	688.2	683.6
39.5°	679.9	679.4	680.1	680.7
40°	672.0	672.5	674.7	674.7
40.5°	664.9	665.7	667.1	665.7
41°	657.2	658.3	658.9	656.5
41.5°	650.1	651.1	652.2	655.6
42°	643.0	643.4	645.1	642.3
42.5°	635.2	634.8	635.1	634.2
43°	627.4	627.9	629.7	627.1
43.5°	619.8	620.4	621.4	619.4



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	596.5	596.6	598.2	596.8
45.5°	589.2	589.1	590.4	589.4
46°	581.1	581.7	583.5	578.2
46.5°	573.3	574.1	574.9	573.9
47°	565.7	565.4	568.0	566.5
47.5°	557.8	558.7	559.6	557.3
48°	550.1	551.4	552.1	547.6
48.5°	542.3	544.1	543.7	541.2
49°	534.4	535.5	536.1	536.9
49.5°	526.7	527.7	528.9	525.5
50°	518.5	519.8	520.0	519.6
50.5°	511.1	512.7	512.1	513.0
51°	503.2	504.1	504.6	503.0
51.5°	495.7	497.0	496.9	495.1
52°	487.4	488.7	489.5	487.5
52.5°	479.5	481.0	481.1	479.9
53°	472.1	473.0	473.7	471.1
53.5°	464.3	465.6	465.8	463.8
54°	456.2	457.4	458.0	456.1
54.5°	448.5	449.7	449.9	447.7
55°	440.9	441.6	442.2	440.7
55.5°	433.5	434.2	434.9	432.7
56°	425.1	426.1	427.1	424.6
56.5°	417.7	418.3	419.1	416.9
57°	409.9	410.6	411.5	408.1
57.5°	402.0	403.3	402.6	401.0
58°	394.6	395.5	395.9	394.4
58.5°	386.8	387.9	387.9	385.6
59°	379.2	380.0	380.4	379.4
59.5°	371.5	372.3	372.5	370.2
60°	364.0	364.9	364.8	362.9
60.5°	356.5	357.2	357.3	354.9
61°	349.0	349.7	350.0	348.2
61.5°	341.8	341.8	342.6	340.6
62°	334.0	334.8	334.9	332.1
62.5°	326.4	327.1	326.8	324.9
63°	319.0	319.5	319.1	317.1
63.5°	311.6	311.9	312.0	309.7
64°	304.2	304.2	303.7	301.7
64.5°	297.1	297.2	296.8	294.5
65°	289.8	290.2	289.1	286.8
65.5°	282.5	282.3	281.5	279.4
66°	275.4	275.2	275.1	272.2



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	253.9	253.2	252.3	249.6
68°	247.0	246.0	245.0	242.6
68.5°	239.9	239.1	237.7	234.5
69°	232.9	231.5	230.2	227.4
69.5°	226.0	224.7	223.0	220.3
70°	219.0	217.3	215.7	213.5
70.5°	212.2	210.5	208.6	205.7
71°	205.3	203.6	201.5	198.4
71.5°	198.7	196.9	194.6	191.4
72°	192.0	189.5	187.5	184.5
72.5°	185.2	183.0	180.3	177.8
73°	178.7	175.9	173.7	170.7
73.5°	172.3	169.4	166.9	163.7
74°	165.8	163.0	160.2	156.8
74.5°	159.7	156.5	153.5	150.0
75°	153.5	150.1	146.9	143.1
75.5°	147.4	143.7	140.2	136.4
76°	141.2	137.2	133.5	129.9
76.5°	135.1	130.8	127.1	123.0
77°	129.1	124.7	120.8	116.6
77.5°	123.0	118.4	114.6	110.8
78°	117.1	112.2	108.2	104.0
78.5°	111.3	106.3	102.2	97.5
79°	105.4	100.3	95.7	92.0
79.5°	99.7	94.2	89.6	85.7
80°	94.1	88.6	83.8	79.7
80.5°	88.7	82.9	78.0	73.9
81°	83.4	77.3	72.3	68.2
81.5°	78.1	72.0	66.8	63.1
82°	73.0	66.7	61.3	58.0
82.5°	68.0	61.6	56.3	52.9
83°	63.0	56.6	51.1	47.9
83.5°	58.4	51.7	46.1	42.8
84°	54.1	47.2	41.6	38.2
84.5°	49.5	42.7	37.0	33.6
85°	45.5	38.3	32.6	29.3
85.5°	41.4	34.3	28.6	25.2
86°	37.5	30.5	24.6	21.3
86.5°	33.8	26.7	21.4	17.7
87°	30.4	23.3	18.3	14.3
87.5°	27.1	20.6	15.1	11.1
88°	23.9	17.8	11.9	8.1
88.5°	21.0	15.1	8.7	6.5



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	14.1	7.6	3.1	1.8
90.5°	11.8	6.0	2.1	0.3
91°	9.5	4.6	1.4	0.2
91.5°	7.9	3.6	1.0	0.2
92°	6.6	2.8	0.8	0.2
92.5°	5.4	2.3	0.6	0.2
93°	4.6	2.0	0.6	0.1
93.5°	3.9	1.8	0.6	0.1
94°	3.4	1.6	0.5	0.1
94.5°	3.1	1.6	0.5	0.1
95°	2.9	1.5	0.5	0.2
95.5°	2.7	1.4	0.5	0.2
96°	2.6	1.4	0.5	0.2
96.5°	2.5	1.4	0.4	0.2
97°	2.4	1.3	0.4	0.2
97.5°	2.4	1.3	0.4	0.3
98°	2.3	1.3	0.4	0.3
98.5°	2.3	1.2	0.4	0.3
99°	2.2	1.2	0.4	0.4
99.5°	2.2	1.2	0.4	0.4
100°	2.2	1.2	0.4	0.5
100.5°	2.1	1.2	0.4	0.5
101°	2.1	1.2	0.5	0.5
101.5°	2.1	1.2	0.5	0.6
102°	2.0	1.2	0.5	0.6
102.5°	2.0	1.2	0.6	0.7
103°	2.0	1.1	0.6	0.7
103.5°	2.0	1.1	0.6	0.8
104°	2.0	1.1	0.7	0.8
104.5°	2.0	1.0	0.7	0.8
105°	1.9	1.0	0.7	0.9
105.5°	1.9	1.0	0.8	0.9
106°	1.9	0.9	0.8	0.9
106.5°	1.9	1.0	0.8	1.0
107°	1.8	1.0	0.9	1.0
107.5°	1.8	0.9	0.9	1.1
108°	1.7	0.9	0.9	1.1
108.5°	1.7	0.9	1.0	1.2
109°	1.7	0.9	1.0	1.3
109.5°	1.6	1.0	1.1	1.4
110°	1.6	1.0	1.1	1.4
110.5°	1.5	1.0	1.1	1.4
111°	1.5	1.1	1.1	1.5



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P563525

CATALOG NUMBER: 2NWS23C3-UNV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
180°	2.1	2.1	2.1	2.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	898.0	899.3	887.4	902.8	893.4	891.6	889.3	889.0	886.0	883.4	881.1
22°	893.7	883.9	884.8	897.7	889.0	886.6	884.4	881.7	880.6	877.8	877.2



44°	611.3	610.9	605.7	613.6	601.7	595.5	587.8	581.1	574.3	570.5	568.6
44.5°	604.6	603.0	596.4	605.9	594.0	587.1	579.5	573.0	566.6	562.3	560.8





66.5°	264.2	263.8	260.7	266.3	258.9	255.0	249.7	246.0	242.0	239.6	239.1
67°	256.8	256.4	253.7	257.7	252.1	248.1	243.4	239.9	235.6	233.4	232.6



89°	4.9	5.6	9.4	15.7	21.7	27.2	31.7	34.9	36.6	37.0	36.2
89.5°	3.4	4.2	7.6	13.5	19.4	24.9	29.2	32.4	34.1	34.6	33.7



111.5°	1.5	1.5	1.2	1.1	1.4	1.4	1.5	1.7	1.9	2.0	1.9
112°	1.5	1.5	1.2	1.2	1.4	1.5	1.5	1.7	1.8	1.9	1.9



134°	2.0	2.1	2.0	2.4	3.1	2.3	2.2	2.1	2.0	2.0	2.0
134.5°	2.0	2.1	2.0	2.3	3.1	2.4	2.2	2.1	2.1	2.0	2.1



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



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





21.5°	879.9	875.8	881.7	878.5	878.9	878.9	878.1	879.7	886.3	875.0	887.6
22°	877.8	876.5	875.4	874.6	874.5	872.7	875.2	874.3	873.9	867.3	885.9





44°	571.6	575.3	579.1	584.4	584.4	584.0	584.9	585.3	587.7	582.4	594.7
44.5°	563.4	568.6	573.5	575.4	577.4	576.8	577.2	578.0	578.4	575.0	586.2



66.5°	240.6	243.1	245.8	247.0	247.6	246.5	245.8	246.7	247.3	247.8	253.9
67°	234.3	236.5	239.2	240.2	240.5	239.5	238.5	239.7	240.1	241.0	247.1



89°	34.3	31.0	26.4	20.7	14.5	8.4	4.3	1.6	4.0	8.6	15.4
89.5°	31.9	28.7	24.2	18.6	12.5	6.8	3.0	0.2	2.7	6.8	13.0



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



134°	2.1	2.2	2.3	3.1	2.4	2.0	2.2	2.0	1.9	2.0	2.3
134.5°	2.1	2.2	2.4	3.2	2.4	2.1	2.2	2.0	2.0	2.0	2.4



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



179°	1.4	1.5	1.8	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
179.5°	1.1	1.5	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1







21.5°	883.1	882.8	884.9	887.2	887.1	888.2	889.0	890.1	894.7	897.7	896.3
22°	877.6	878.6	880.3	885.6	883.8	888.5	884.9	886.0	890.3	892.8	893.6



44°	586.9	585.0	582.2	581.6	577.9	578.9	581.0	587.5	595.6	603.3	607.9
44.5°	579.5	577.6	574.6	572.8	568.3	569.7	573.4	580.1	588.3	595.5	600.7



66.5°	252.0	251.4	250.2	249.0	248.4	248.7	250.8	254.6	259.4	263.5	267.0
67°	245.5	244.6	243.6	243.4	241.9	242.8	244.4	247.9	252.7	256.8	260.1



89°	21.1	26.8	31.8	35.5	37.8	38.8	38.6	37.2	34.4	30.2	24.6
89.5°	19.0	24.4	29.1	32.7	35.1	36.0	35.9	34.4	31.6	27.4	21.8



111.5°	2.6	3.3	3.8	4.3	4.6	4.7	4.6	4.3	3.9	3.2	2.4
112°	2.5	3.2	3.8	4.3	4.6	4.7	4.6	4.3	3.9	3.2	2.4



134°	2.3	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.9	1.9
134.5°	2.4	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.9	2.0



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



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







21.5°	899.4	898.0	901.1	898.0
22°	894.5	894.7	894.8	893.7



44°	612.1	612.7	612.5	611.3
44.5°	604.7	605.7	605.6	604.6



66.5°	268.2	268.1	266.9	264.2
67°	261.1	260.5	259.5	256.8



89°	18.7	12.3	6.5	4.9
89.5°	16.4	9.6	4.6	3.4



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



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



156.5°	2.7	2.6	2.1	2.2
157°	2.7	2.6	2.1	2.1





179°	1.6	1.8	2.0	2.1
179.5°	1.8	2.0	2.1	2.1



(END OF REPORT)