

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: P563516

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032a-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2NWS23C3-NUV-HI-3500K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

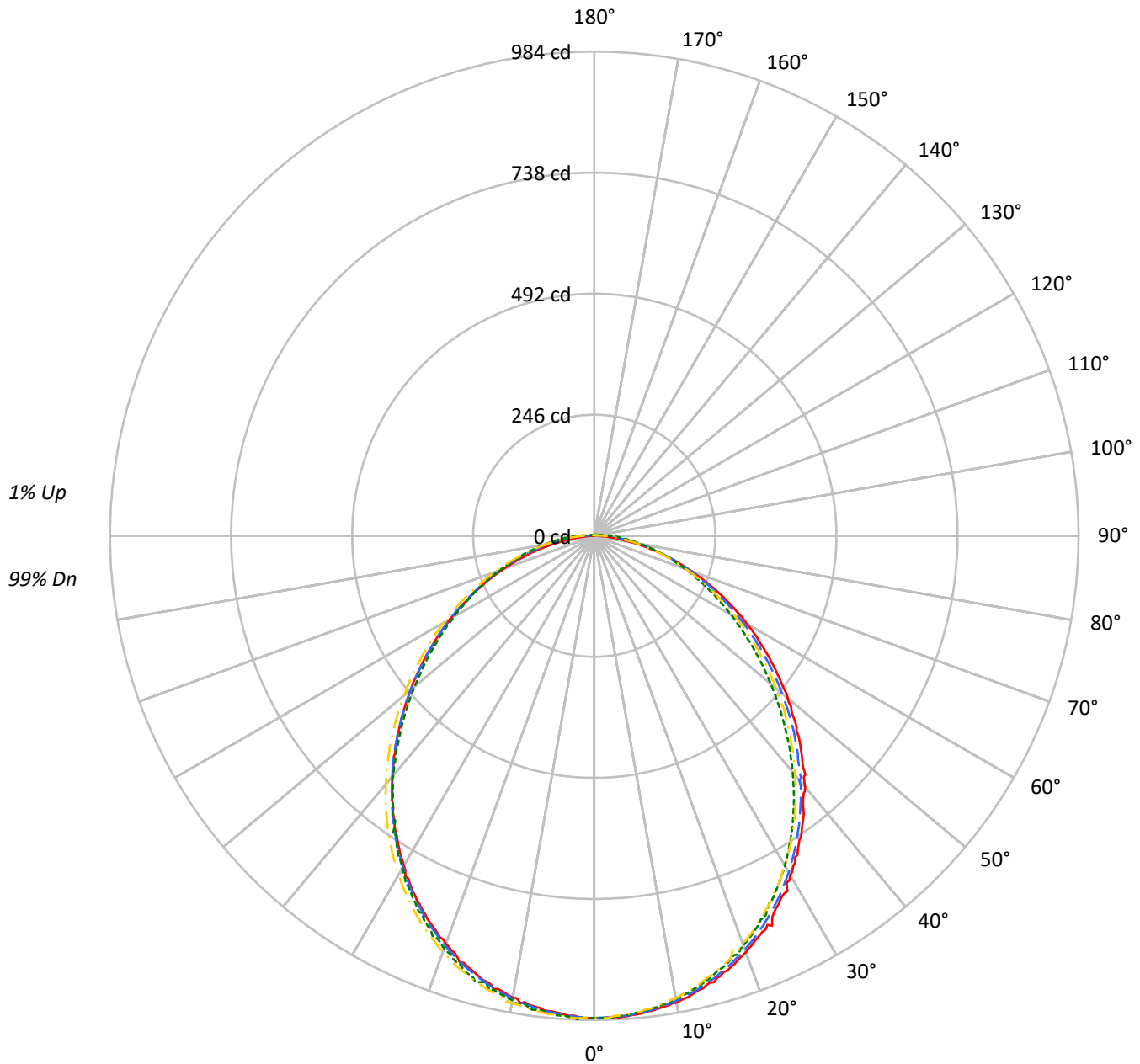
Lumens per Lamp: N/A
Luminaire Lumens: 2491.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 21.3
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					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	11913	11913	11913	11913
5°	11878	11685	11800	11694
10°	11810	11409	11676	11457
15°	11694	11103	11493	11229
20°	11479	10731	11248	10810
25°	11259	10295	10960	10407
30°	10923	9808	10612	9890
35°	10591	9233	10201	9262
40°	10220	8602	9796	8710
45°	9731	7924	9284	8040
50°	9249	7235	8780	7369
55°	8710	6550	8240	6707
60°	8130	5882	7674	6048
65°	7483	5236	6989	5427
70°	6726	4589	6215	4793
75°	5751	3921	5283	4167
80°	4460	3227	3950	3508
85°	2734	2623	2223	2827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	3.7
10°-20°	262.0	10.5
20°-30°	387.4	15.6
30°-40°	447.7	18.0
40°-50°	437.5	17.6
50°-60°	370.0	14.9
60°-70°	267.5	10.7
70°-80°	152.5	6.1
80°-90°	53.4	2.1
90°-100°	8.7	0.4
100°-110°	2.7	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°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	741.9	29.8
0°-40°	1189.6	47.8
0°-60°	1997.1	80.2
0°-90°	2470.6	99.2
90°-120°	13.6	0.5
90°-150°	18.5	0.7
90°-180°	20.0	0.8
0°-180°	2491.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	980	980	980	980	980	
5°	977	973	970	974	977	93
15°	940	926	923	937	940	264
25°	856	835	833	844	856	393
35°	734	704	707	706	734	458
45°	590	547	562	555	590	454
55°	435	392	412	401	435	389
65°	283	255	265	264	283	281
75°	141	142	130	151	141	150
85°	29	59	24	64	29	34
90°	2	32	0	33	2	2
95°	0	15	0	14	0	0
105°	1	4	1	5	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°	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9
0.5°	979.9	983.5	972.9	992.5	979.9	979.6	980.1	982.3	979.0	980.6	979.0
1°	980.6	982.1	972.2	987.7	979.5	979.8	979.7	983.4	980.7	979.8	978.4
1.5°	979.4	981.5	971.5	994.3	979.1	979.7	979.3	983.8	981.5	980.2	977.9
2°	979.6	979.2	971.1	991.2	979.4	978.7	980.1	980.8	979.4	979.2	979.8
2.5°	979.0	977.6	971.2	986.9	981.1	978.5	978.6	978.7	979.0	980.6	976.8
3°	980.1	979.3	971.2	987.4	978.6	978.8	978.6	983.5	977.2	977.1	976.5
3.5°	979.3	976.6	970.0	986.4	978.3	977.2	977.5	981.4	978.1	976.8	975.4
4°	978.5	982.9	975.0	990.9	977.6	977.0	976.5	977.2	976.3	976.3	975.4
4.5°	976.9	978.5	969.6	987.4	977.2	975.7	975.2	977.8	975.8	974.6	975.1
5°	976.9	979.8	968.0	983.8	976.3	974.7	975.3	975.4	974.4	973.2	971.8
5.5°	975.6	975.0	968.7	985.5	974.1	973.0	973.6	975.7	973.9	972.4	970.5
6°	974.7	978.5	966.3	980.3	973.1	972.8	972.9	970.1	972.2	970.7	970.1
6.5°	972.4	968.6	965.1	981.7	972.9	971.6	971.2	973.6	972.0	969.8	967.0
7°	972.6	975.5	963.6	981.0	971.3	969.6	969.7	980.5	970.8	967.8	967.2
7.5°	970.6	970.1	966.4	980.5	969.6	968.3	968.1	964.7	968.4	966.4	964.8
8°	968.9	969.3	961.2	979.2	967.2	966.3	966.0	968.5	965.3	964.6	961.4
8.5°	967.3	968.9	958.5	977.0	966.1	964.7	963.6	963.6	965.3	962.3	960.5
9°	966.3	971.8	958.6	973.5	964.0	963.2	962.4	963.6	961.7	963.4	957.6
9.5°	963.0	964.0	955.4	969.4	962.1	961.5	960.7	962.1	959.1	956.4	956.9
10°	963.7	962.9	953.8	971.6	959.7	959.1	958.6	957.6	959.7	954.8	955.1
10.5°	960.7	959.8	951.7	967.4	957.5	957.1	955.9	954.3	954.0	952.9	952.7
11°	957.8	956.4	951.5	966.5	956.9	954.1	953.8	954.7	953.6	951.1	950.1
11.5°	957.0	955.0	947.6	960.7	953.3	951.4	951.1	950.9	949.9	948.2	947.4
12°	953.1	953.0	946.0	959.2	951.0	949.6	948.9	948.1	944.6	945.7	943.7
12.5°	950.3	949.5	942.0	958.0	947.9	946.6	945.5	947.7	944.1	942.4	940.6
13°	947.1	949.5	946.5	953.0	945.4	944.1	943.2	941.5	941.3	940.1	937.9
13.5°	946.0	945.0	937.5	959.4	943.4	940.9	940.1	939.0	938.9	936.9	934.8
14°	941.4	943.1	935.7	951.1	939.1	937.8	936.9	937.8	936.2	933.2	931.3
14.5°	938.2	940.5	897.0	948.6	935.9	934.8	933.6	940.6	931.3	930.5	927.5
15°	939.5	935.8	925.7	938.7	933.7	931.5	930.6	931.5	929.8	926.5	924.5
15.5°	932.5	926.6	925.6	944.6	929.9	928.2	926.8	925.0	928.0	922.0	921.6
16°	930.5	931.4	921.9	931.4	925.6	924.8	923.6	923.0	920.7	917.7	918.1
16.5°	924.5	927.3	917.5	935.9	923.2	921.5	919.3	918.5	917.2	915.8	914.2
17°	924.4	922.4	938.4	931.0	919.7	917.8	916.5	915.5	912.8	912.8	909.5
17.5°	919.7	919.2	910.9	928.6	915.5	913.9	912.2	914.0	914.2	908.3	905.7
18°	916.6	916.0	905.5	923.8	911.5	910.6	909.0	908.8	906.2	901.3	901.8
18.5°	912.5	913.4	904.5	919.2	907.1	905.8	905.0	904.9	901.9	898.5	897.7
19°	908.1	909.1	902.5	915.2	904.2	902.0	901.0	901.4	897.8	900.0	893.2
19.5°	903.9	906.5	899.1	911.6	901.1	897.9	896.3	895.1	893.8	890.4	889.2
20°	900.7	897.8	893.8	907.6	896.2	893.4	892.2	889.6	889.0	886.1	884.6
20.5°	895.8	894.5	888.5	902.9	891.6	889.2	887.6	888.8	885.8	881.4	880.8
21°	891.9	891.1	883.2	897.9	887.2	884.9	883.7	882.7	880.6	876.4	875.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	878.6	882.4	869.9	883.1	873.5	870.7	870.0	870.5	865.6	862.6	860.5
23°	874.2	871.6	866.7	882.8	868.5	866.0	864.7	860.9	859.4	856.3	854.5
23.5°	872.8	872.1	859.9	877.7	863.6	861.6	861.1	860.3	854.8	849.9	849.6
24°	865.3	863.1	858.0	871.2	858.5	855.8	860.5	851.9	849.3	850.6	844.5
24.5°	871.2	858.8	849.7	861.7	853.3	850.7	848.8	847.5	843.8	843.1	838.4
25°	855.6	853.1	848.3	860.9	848.1	845.7	842.8	839.2	837.8	834.6	834.0
25.5°	848.1	847.4	839.2	858.7	843.1	840.0	837.1	838.7	833.0	826.5	828.2
26°	842.4	841.4	835.1	847.9	837.4	834.4	832.6	835.2	827.0	823.5	822.7
26.5°	838.1	837.7	828.4	842.8	832.6	828.7	827.3	823.1	820.7	817.9	814.5
27°	831.5	831.4	819.7	835.8	826.6	823.6	820.5	818.1	815.5	811.7	810.4
27.5°	825.8	825.0	816.4	831.3	821.0	817.9	814.4	813.2	811.1	805.9	804.0
28°	823.2	820.5	810.7	825.4	814.8	812.3	809.2	807.9	802.3	799.8	797.6
28.5°	822.4	817.1	808.9	820.7	808.8	805.7	803.3	802.1	796.2	793.7	791.7
29°	805.6	808.1	800.7	812.9	803.0	799.7	797.7	793.3	790.7	786.9	784.9
29.5°	805.0	804.7	794.9	808.3	797.5	793.7	789.4	787.3	783.8	780.7	778.6
30°	796.8	793.6	786.3	803.9	791.3	787.9	783.7	785.6	777.8	774.3	772.3
30.5°	792.2	799.6	783.1	796.5	785.2	781.8	777.9	774.7	771.7	767.5	765.4
31°	783.8	785.9	775.6	788.6	778.8	775.3	771.6	767.7	764.4	760.6	759.2
31.5°	779.9	777.9	778.0	784.4	772.2	768.5	764.9	762.7	757.4	753.6	751.8
32°	770.2	772.2	764.8	782.6	765.8	762.2	757.8	754.6	750.6	746.9	744.4
32.5°	768.6	766.2	754.3	767.9	759.5	755.5	751.4	748.1	743.2	739.6	738.8
33°	759.7	760.2	752.8	763.6	753.1	749.2	744.6	740.8	735.7	732.9	731.0
33.5°	752.3	753.1	745.2	758.9	746.3	742.4	737.9	732.0	729.4	725.9	724.1
34°	745.3	744.6	740.0	759.8	739.5	735.4	730.4	729.7	722.1	719.1	715.6
34.5°	742.3	739.8	733.5	744.6	732.7	728.1	723.3	719.4	713.7	711.3	709.1
35°	734.4	732.8	725.1	738.7	726.3	721.9	716.3	712.4	708.3	703.8	701.5
35.5°	726.9	726.8	718.7	730.6	719.0	714.7	709.2	705.1	699.6	696.4	694.4
36°	720.9	719.3	712.0	722.4	712.4	708.0	701.7	696.8	691.9	688.9	687.7
36.5°	713.7	712.2	705.5	716.3	705.0	700.1	694.0	694.7	686.8	681.4	680.0
37°	707.1	705.0	698.9	710.4	698.7	693.3	687.8	681.2	679.0	674.0	672.0
37.5°	697.9	699.2	691.4	700.3	690.7	685.9	679.9	676.1	670.2	665.9	665.3
38°	688.4	691.6	684.5	694.4	683.6	679.3	672.4	667.1	663.0	658.2	656.8
38.5°	682.2	684.0	678.4	688.3	677.0	671.4	665.5	659.4	654.6	650.7	649.7
39°	675.2	676.9	670.5	682.3	669.8	663.8	656.1	654.7	646.4	642.9	641.0
39.5°	672.3	669.8	663.5	674.1	662.3	656.5	651.7	644.5	639.7	635.2	633.8
40°	666.4	662.9	656.3	658.4	647.1	649.3	643.5	635.6	631.4	627.3	625.7
40.5°	657.5	655.5	649.4	657.8	653.6	641.3	635.0	629.3	622.9	619.2	617.9
41°	648.5	648.2	641.5	651.2	637.8	634.0	626.8	624.4	617.4	611.2	609.9
41.5°	647.5	640.3	634.2	643.8	632.5	626.4	619.9	613.2	608.6	603.2	602.4
42°	634.4	632.8	626.8	636.3	620.9	618.6	611.5	607.3	599.9	595.3	593.6
42.5°	626.4	626.1	619.3	627.9	612.9	611.2	603.9	598.6	591.5	587.7	586.3
43°	619.3	618.7	612.2	624.3	609.3	603.7	596.1	590.1	583.6	579.5	578.3
43.5°	611.7	611.3	605.3	612.4	601.8	595.5	588.3	582.4	575.9	571.2	570.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	589.5	588.9	581.9	589.7	578.7	572.8	564.7	557.3	551.1	547.3	546.7
45.5°	582.2	581.1	574.6	582.1	571.2	565.1	557.0	548.5	543.7	539.3	538.8
46°	571.1	573.1	566.8	574.4	563.6	557.1	549.5	542.5	535.3	531.2	530.3
46.5°	566.8	565.3	559.1	567.0	555.7	549.0	541.2	534.6	527.4	523.3	522.3
47°	559.6	557.8	552.7	559.5	548.1	541.6	532.9	527.4	519.6	515.9	515.4
47.5°	550.5	549.8	542.5	551.2	540.3	533.4	525.1	519.1	511.3	507.4	506.5
48°	540.9	541.2	536.9	543.8	533.1	525.4	517.6	510.9	504.2	499.5	498.9
48.5°	534.5	535.5	528.7	536.0	524.7	517.6	509.6	503.3	495.0	491.3	490.5
49°	530.3	527.6	522.1	527.6	517.3	510.0	501.3	494.4	487.8	483.9	483.5
49.5°	519.0	517.9	513.6	519.5	509.2	502.4	494.5	485.8	479.7	475.9	474.3
50°	513.2	513.7	506.4	512.7	501.6	494.7	486.0	478.8	471.8	468.0	467.7
50.5°	506.7	503.0	497.6	504.4	493.8	486.0	478.1	471.7	463.9	460.1	458.5
51°	496.9	496.5	490.7	496.6	486.4	478.9	470.1	462.4	456.6	452.4	452.1
51.5°	489.0	487.5	482.9	488.4	478.2	470.7	462.4	455.7	448.3	444.5	443.8
52°	481.5	479.7	475.8	480.1	470.5	463.1	454.8	443.7	440.8	436.9	436.3
52.5°	474.0	473.3	468.2	472.9	463.1	455.6	447.0	439.5	433.2	429.3	428.1
53°	465.3	465.2	459.1	465.3	454.8	447.7	439.3	432.2	425.5	421.8	420.5
53.5°	458.1	458.0	450.2	458.1	447.5	440.1	431.7	424.4	417.8	414.2	413.3
54°	450.5	449.9	445.4	450.0	440.0	432.3	423.5	417.2	410.5	406.4	405.4
54.5°	442.2	441.4	436.9	442.0	431.6	424.9	416.2	412.7	403.2	399.2	398.9
55°	435.3	434.0	428.8	434.9	424.1	416.9	408.7	401.2	395.3	391.8	390.6
55.5°	427.4	426.9	423.5	425.0	416.7	409.6	400.9	394.1	388.1	384.3	383.9
56°	419.4	418.9	414.4	418.4	409.2	401.9	394.6	386.9	380.8	377.0	376.6
56.5°	411.8	410.5	409.7	410.6	401.3	394.4	386.5	378.9	373.4	369.6	369.4
57°	403.1	402.8	399.7	403.5	393.7	386.8	378.5	371.6	366.5	362.8	363.3
57.5°	396.1	394.8	391.6	397.5	386.3	379.4	371.7	364.2	358.8	355.4	354.0
58°	389.5	388.3	383.7	387.6	378.7	372.4	364.0	358.8	351.6	348.2	348.3
58.5°	380.9	379.8	375.7	380.1	371.2	364.6	356.6	349.9	344.9	341.4	341.0
59°	374.7	371.9	368.4	372.3	363.9	357.6	349.8	343.3	337.8	334.6	333.9
59.5°	365.6	365.6	360.8	365.2	356.5	349.8	342.7	336.0	330.8	327.3	327.1
60°	358.4	358.3	353.3	357.2	348.7	342.6	335.5	329.6	323.0	320.5	320.2
60.5°	350.5	350.4	345.8	349.8	341.5	335.4	328.0	322.4	316.7	313.9	313.3
61°	343.9	342.9	338.1	342.4	334.3	328.1	321.3	315.8	310.4	306.9	306.1
61.5°	336.4	334.8	330.5	335.2	327.1	321.0	313.9	308.7	303.6	300.2	300.2
62°	328.0	326.8	324.2	327.0	319.5	314.0	307.2	301.2	296.3	293.7	293.9
62.5°	320.9	320.2	315.8	319.4	312.6	306.8	300.3	294.6	290.6	287.3	286.0
63°	313.2	312.0	311.4	312.3	305.0	300.0	293.2	292.2	282.7	280.7	280.4
63.5°	305.9	304.7	302.8	304.8	298.1	292.8	286.9	281.8	277.0	274.2	273.9
64°	298.0	296.4	293.9	297.4	290.1	286.0	279.9	275.3	270.5	267.7	267.2
64.5°	290.8	289.9	287.0	290.3	284.0	279.2	273.4	267.7	264.1	261.7	261.4
65°	283.3	282.6	279.9	283.7	272.5	272.4	266.5	262.0	257.6	255.2	254.7
65.5°	276.0	275.1	272.2	275.7	269.5	265.6	259.8	255.8	251.5	249.0	248.6
66°	268.8	268.2	264.7	268.5	263.0	258.7	253.4	249.4	244.8	242.8	242.0



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	246.5	246.5	244.3	246.7	242.4	238.5	233.8	230.5	226.5	224.6	223.9
68°	239.7	238.7	237.3	239.8	235.3	232.1	227.7	224.5	220.7	218.6	218.3
68.5°	231.6	231.0	230.0	232.5	228.6	225.5	221.6	218.4	215.0	212.9	212.0
69°	224.6	224.2	222.9	225.8	222.0	219.1	216.1	212.4	208.7	207.2	206.6
69.5°	217.6	217.3	214.6	220.5	215.4	212.6	209.1	206.2	203.1	201.2	200.4
70°	210.8	210.2	207.2	211.9	208.5	206.3	203.2	200.4	198.0	195.6	194.8
70.5°	203.2	203.2	201.5	205.2	202.0	199.9	197.1	194.3	191.7	189.8	189.2
71°	196.0	195.7	194.6	198.0	195.6	193.7	191.2	188.7	186.1	184.5	183.5
71.5°	189.1	189.7	187.6	191.7	189.2	187.4	185.3	183.1	180.5	179.0	178.7
72°	182.2	182.4	181.6	185.4	182.7	181.6	179.4	177.2	175.1	173.5	173.6
72.5°	175.6	175.5	174.5	178.2	176.3	175.4	173.4	171.8	169.2	168.0	167.8
73°	168.6	168.5	167.6	171.7	170.2	169.4	167.9	166.2	164.2	162.5	161.9
73.5°	161.7	161.0	160.9	165.2	164.0	163.5	162.0	160.6	158.8	157.5	156.7
74°	154.9	155.0	154.2	158.4	157.8	157.5	156.6	155.5	153.5	152.2	151.4
74.5°	148.1	147.9	147.7	152.1	151.7	151.8	150.9	149.6	148.3	147.0	146.1
75°	141.4	141.5	141.4	145.7	145.8	146.1	145.2	144.5	143.4	141.9	141.3
75.5°	134.7	134.7	135.7	141.5	139.8	140.3	139.8	139.2	138.2	136.7	136.1
76°	128.3	128.7	128.3	133.3	133.8	134.8	134.2	134.4	133.1	132.5	131.1
76.5°	121.4	122.1	122.5	127.5	128.0	129.2	129.4	129.0	128.2	127.2	126.2
77°	115.1	115.5	116.3	120.5	122.3	123.8	123.9	124.1	123.2	122.3	121.4
77.5°	109.5	109.0	110.6	115.2	116.8	118.1	118.4	118.7	118.4	117.4	116.6
78°	102.7	103.4	104.2	109.4	111.3	113.0	114.2	114.2	113.5	112.8	112.0
78.5°	96.3	96.8	98.4	103.8	105.7	107.8	108.9	109.5	109.1	108.4	107.5
79°	90.8	90.6	92.7	97.7	100.4	102.7	103.8	104.6	104.4	104.0	103.1
79.5°	84.7	84.6	86.5	92.4	95.0	97.6	99.0	100.0	99.9	99.3	98.4
80°	78.7	79.1	81.2	87.1	89.8	92.8	94.3	95.6	95.7	95.1	94.3
80.5°	73.0	73.5	75.9	81.5	84.8	87.8	89.7	91.2	91.4	91.0	90.0
81°	67.3	67.8	70.5	76.3	79.8	83.1	86.1	86.8	87.5	86.9	86.0
81.5°	62.3	62.9	65.6	71.3	74.9	78.5	81.4	82.7	83.2	82.9	82.2
82°	57.3	58.0	60.9	66.2	70.2	74.1	77.0	78.7	79.3	79.1	78.2
82.5°	52.3	53.0	56.2	61.7	65.2	69.7	72.7	75.0	75.5	75.3	74.1
83°	47.3	48.1	51.5	57.3	61.2	65.1	68.6	70.8	71.7	71.6	70.8
83.5°	42.3	43.2	46.8	52.9	57.3	61.5	65.0	67.1	68.1	68.1	67.4
84°	37.7	38.9	42.1	48.5	53.4	57.9	61.6	63.9	65.0	65.6	64.3
84.5°	33.1	34.2	37.8	44.0	49.4	54.3	58.2	60.7	61.8	62.4	61.1
85°	28.9	29.9	33.6	40.0	45.5	50.8	54.8	57.4	58.6	59.1	58.0
85.5°	24.9	25.9	29.7	36.1	41.9	47.3	51.5	54.2	55.4	55.9	54.9
86°	21.1	22.1	25.9	32.5	38.5	44.0	48.1	51.0	52.3	52.6	51.8
86.5°	17.5	18.5	22.5	29.2	35.1	40.7	45.0	48.0	49.3	49.6	48.8
87°	14.1	15.1	19.3	25.9	32.1	37.7	42.0	44.9	46.5	46.8	46.0
87.5°	11.0	12.1	16.4	22.9	29.1	34.8	39.2	42.2	43.8	44.1	43.2
88°	8.0	9.3	13.7	20.3	26.4	32.0	36.4	39.5	40.9	41.5	40.7
88.5°	6.4	6.9	11.4	17.7	23.8	29.4	33.8	36.9	38.5	39.0	38.2



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.8	2.8	6.5	11.5	17.1	22.4	26.6	29.8	31.5	31.9	31.2
90.5°	0.3	1.5	5.4	9.9	15.2	20.4	24.6	27.6	29.4	29.9	29.1
91°	0.2	1.0	4.4	8.4	13.5	18.5	22.6	25.7	27.4	27.9	27.2
91.5°	0.2	0.7	3.4	7.1	11.9	16.7	20.7	23.7	25.4	25.9	25.1
92°	0.2	0.5	2.3	6.2	10.5	15.0	18.9	21.8	23.5	24.1	23.5
92.5°	0.1	0.4	1.8	5.3	9.2	13.5	17.2	20.1	21.8	22.3	21.7
93°	0.1	0.3	1.5	4.4	8.0	12.1	15.7	18.5	20.2	20.6	20.0
93.5°	0.1	0.3	1.2	3.5	7.0	10.8	14.3	17.0	18.5	19.1	18.5
94°	0.1	0.3	1.0	3.0	6.2	9.7	13.0	15.6	17.1	17.7	17.0
94.5°	0.1	0.3	0.9	2.5	5.5	8.6	11.8	14.2	15.8	16.3	15.8
95°	0.2	0.3	0.8	2.2	4.8	7.7	10.6	13.1	14.5	14.9	14.4
95.5°	0.2	0.3	0.7	1.9	4.0	6.8	9.6	11.9	13.3	13.8	13.3
96°	0.2	0.3	0.6	1.7	3.5	6.2	8.6	10.8	12.2	12.6	12.1
96.5°	0.2	0.3	0.6	1.6	3.1	5.6	7.8	9.9	11.1	11.6	11.2
97°	0.2	0.3	0.5	1.4	2.8	5.0	7.0	9.0	10.2	10.6	10.2
97.5°	0.3	0.3	0.5	1.3	2.6	4.3	6.5	8.2	9.3	9.8	9.4
98°	0.3	0.3	0.5	1.2	2.4	3.9	5.9	7.5	8.6	8.9	8.6
98.5°	0.3	0.4	0.5	1.1	2.2	3.6	5.4	6.8	7.8	8.2	7.8
99°	0.4	0.4	0.5	1.0	2.1	3.3	4.8	6.4	7.2	7.5	7.2
99.5°	0.4	0.5	0.5	0.9	1.9	3.1	4.5	5.9	6.7	6.9	6.7
100°	0.5	0.5	0.5	0.9	1.8	3.0	4.2	5.5	6.2	6.5	6.2
100.5°	0.5	0.6	0.6	0.9	1.7	2.8	3.9	5.0	5.8	6.0	5.7
101°	0.5	0.6	0.6	0.8	1.6	2.6	3.7	4.7	5.3	5.6	5.3
101.5°	0.6	0.7	0.6	0.8	1.5	2.5	3.5	4.5	5.0	5.1	4.9
102°	0.6	0.7	0.7	0.8	1.4	2.3	3.3	4.3	4.7	4.8	4.7
102.5°	0.7	0.7	0.7	0.8	1.3	2.2	3.2	4.0	4.4	4.6	4.5
103°	0.7	0.8	0.7	0.8	1.3	2.1	3.0	3.8	4.2	4.4	4.3
103.5°	0.8	0.8	0.7	0.9	1.2	2.0	2.8	3.6	4.1	4.2	4.1
104°	0.8	0.9	0.7	0.9	1.2	1.9	2.7	3.4	3.9	4.0	3.9
104.5°	0.8	0.9	0.7	0.9	1.1	1.8	2.5	3.2	3.7	3.8	3.7
105°	0.9	1.1	0.7	1.0	1.1	1.7	2.4	3.1	3.5	3.7	3.6
105.5°	0.9	1.2	0.8	1.0	1.1	1.6	2.3	2.9	3.3	3.5	3.4
106°	0.9	1.3	0.8	1.0	1.1	1.5	2.2	2.8	3.2	3.3	3.2
106.5°	1.0	1.3	0.8	1.1	1.1	1.5	2.1	2.6	3.0	3.2	3.1
107°	1.0	1.2	0.9	1.1	1.1	1.4	2.0	2.5	2.9	3.0	2.9
107.5°	1.0	1.2	0.9	1.1	1.1	1.4	1.9	2.4	2.7	2.9	2.8
108°	1.1	1.2	1.0	1.1	1.1	1.4	1.8	2.3	2.6	2.7	2.6
108.5°	1.2	1.2	1.1	1.1	1.2	1.3	1.7	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°	1.3	1.4	1.2	1.0	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	1.3	1.6	1.9	2.2	2.3	2.2
110.5°	1.4	1.4	1.2	1.1	1.3	1.3	1.5	1.8	2.1	2.2	2.1
111°	1.5	1.5	1.2	1.1	1.3	1.4	1.5	1.8	2.0	2.1	2.0



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.0	2.1	2.0	2.3	3.1	2.4	2.2	2.1	2.0	2.0	2.1
135.5°	2.0	2.1	2.1	2.3	3.0	2.4	2.2	2.1	2.1	2.0	2.1
136°	2.0	2.1	2.1	2.3	2.9	2.5	2.3	2.2	2.1	2.1	2.1
136.5°	2.0	2.1	2.1	2.3	2.9	2.6	2.3	2.2	2.1	2.1	2.1
137°	2.0	2.1	2.2	2.3	2.8	2.7	2.3	2.2	2.2	2.1	2.2
137.5°	2.0	2.1	2.2	2.3	2.7	2.9	2.3	2.3	2.2	2.1	2.2
138°	2.0	2.1	2.2	2.2	2.7	3.1	2.4	2.3	2.2	2.2	2.2
138.5°	2.0	2.1	2.2	2.2	2.7	3.2	2.4	2.3	2.2	2.2	2.3
139°	2.0	2.1	2.3	2.1	2.7	3.3	2.5	2.3	2.3	2.2	2.3
139.5°	2.0	2.1	2.3	2.1	2.7	3.4	2.5	2.4	2.3	2.3	2.3
140°	2.1	2.1	2.3	2.1	2.8	3.3	2.6	2.4	2.3	2.3	2.3
140.5°	2.1	2.0	2.3	2.0	2.8	3.2	2.8	2.4	2.4	2.3	2.4
141°	2.1	2.0	2.3	2.0	2.8	3.1	3.0	2.5	2.4	2.3	2.4
141.5°	2.1	2.0	2.3	2.1	2.8	3.0	3.2	2.5	2.4	2.4	2.4
142°	2.1	2.0	2.4	2.1	2.8	2.9	3.3	2.6	2.5	2.4	2.5
142.5°	2.1	2.1	2.4	2.1	2.7	2.8	3.4	2.7	2.5	2.4	2.5
143°	2.1	2.1	2.4	2.1	2.6	2.8	3.5	2.9	2.6	2.5	2.6
143.5°	2.1	2.2	2.4	2.1	2.6	2.8	3.4	3.1	2.7	2.5	2.7
144°	2.1	2.2	2.4	2.2	2.5	2.8	3.3	3.3	2.8	2.7	2.8
144.5°	2.1	2.2	2.4	2.2	2.4	2.8	3.2	3.4	3.0	2.8	3.0
145°	2.2	2.2	2.5	2.2	2.4	2.9	3.0	3.5	3.2	3.0	3.2
145.5°	2.2	2.2	2.5	2.2	2.3	2.9	2.9	3.5	3.4	3.2	3.3
146°	2.2	2.2	2.5	2.3	2.2	2.9	2.9	3.3	3.5	3.3	3.5
146.5°	2.2	2.1	2.5	2.3	2.2	2.8	2.8	3.2	3.5	3.5	3.5
147°	2.2	2.1	2.5	2.3	2.1	2.8	2.8	3.1	3.4	3.5	3.5
147.5°	2.2	2.0	2.5	2.3	2.1	2.7	2.8	3.0	3.3	3.4	3.3
148°	2.2	2.0	2.5	2.3	2.1	2.7	2.9	2.9	3.2	3.3	3.2
148.5°	2.1	2.0	2.5	2.4	2.1	2.6	2.9	2.9	3.1	3.1	3.1
149°	2.1	2.0	2.5	2.4	2.1	2.5	2.9	2.8	2.9	3.0	3.0
149.5°	2.1	2.0	2.5	2.4	2.1	2.4	2.9	2.8	2.9	2.9	2.9
150°	2.0	2.0	2.4	2.4	2.1	2.3	2.8	2.9	2.8	2.8	2.8
150.5°	2.1	2.0	2.4	2.4	2.1	2.2	2.8	2.9	2.8	2.8	2.8
151°	2.1	2.0	2.4	2.4	2.1	2.1	2.7	2.9	2.9	2.8	2.8
151.5°	2.1	2.0	2.4	2.5	2.1	2.1	2.6	2.9	2.9	2.8	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	2.0	2.4	2.8	2.9	2.9	2.9
153°	2.1	2.0	2.4	2.5	2.2	2.0	2.3	2.7	2.9	2.9	2.8
153.5°	2.1	2.0	2.4	2.5	2.2	2.0	2.2	2.6	2.8	2.8	2.8
154°	2.1	2.0	2.4	2.5	2.3	2.0	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	2.0	2.3	2.5	2.6	2.5
155.5°	2.1	2.0	2.4	2.5	2.3	2.1	2.0	2.2	2.4	2.5	2.4
156°	2.1	1.9	2.4	2.5	2.4	2.1	2.0	2.1	2.3	2.3	2.3



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516
CATALOG NUMBER: 2NWS23C3-NUV-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: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9
0.5°	976.5	980.7	982.8	979.5	980.6	978.2	980.6	980.4	982.9	960.0	990.6
1°	978.6	978.9	981.2	978.3	979.4	978.8	979.3	980.1	978.5	970.5	989.2
1.5°	977.7	979.4	982.8	979.1	978.7	976.4	980.3	980.1	974.1	972.4	992.6
2°	980.9	980.0	980.3	976.8	978.3	976.3	979.5	977.9	976.7	970.0	986.6
2.5°	977.7	978.0	976.4	976.5	977.5	976.6	977.8	976.3	977.1	970.5	986.6
3°	976.0	977.8	978.3	974.9	976.7	976.2	972.8	976.9	977.9	975.3	986.5
3.5°	974.4	964.0	975.6	975.2	975.0	974.1	975.3	975.4	973.7	967.0	985.2
4°	973.3	971.1	975.4	973.8	975.0	972.2	975.3	973.0	975.0	965.2	984.2
4.5°	973.8	976.3	974.7	972.4	973.8	974.6	973.0	972.4	973.2	961.9	989.2
5°	971.8	986.8	974.8	971.1	971.6	968.5	973.6	970.5	970.9	965.5	984.3
5.5°	971.1	972.4	974.0	969.8	969.9	968.2	973.2	970.4	972.9	963.5	980.8
6°	970.0	970.2	969.0	968.5	969.8	968.3	969.2	970.2	969.5	961.5	978.7
6.5°	967.8	968.8	969.0	967.0	967.1	966.1	967.5	965.9	967.4	960.6	978.6
7°	966.1	969.9	968.0	966.3	965.5	965.1	971.8	965.2	966.6	957.5	977.3
7.5°	964.1	964.9	965.7	963.9	964.1	962.6	975.3	963.9	964.4	957.3	974.0
8°	962.2	963.7	963.0	961.5	961.9	959.0	960.6	962.0	961.9	956.1	973.0
8.5°	960.5	961.4	960.5	960.0	959.4	956.7	960.9	958.3	960.0	955.4	969.5
9°	958.7	959.0	958.9	957.2	957.2	954.7	958.6	961.8	957.8	948.1	965.6
9.5°	956.3	957.2	956.9	954.3	955.5	952.7	956.5	953.0	956.2	951.6	970.2
10°	952.2	954.7	954.3	953.3	953.0	951.9	952.7	952.8	963.1	947.4	972.0
10.5°	951.3	952.5	951.7	950.3	950.3	949.5	950.7	950.7	951.5	943.8	960.4
11°	948.2	948.7	948.8	947.5	947.9	946.0	948.2	947.0	946.0	941.0	955.3
11.5°	945.6	946.8	946.8	945.5	945.0	944.8	942.0	944.2	943.5	937.6	955.7
12°	943.3	943.9	944.1	941.6	942.3	941.0	941.9	941.7	940.8	934.8	953.7
12.5°	940.5	940.4	940.7	938.4	939.1	938.8	938.4	943.8	941.9	935.1	953.9
13°	936.9	937.5	937.4	936.7	935.4	936.5	936.7	935.9	936.4	921.0	946.4
13.5°	933.6	934.0	934.7	932.4	933.3	931.9	934.0	932.5	932.8	930.2	945.0
14°	930.2	931.4	930.6	928.6	929.6	927.4	928.8	931.2	930.0	916.4	941.4
14.5°	927.5	927.1	925.8	925.9	926.5	924.7	925.9	927.5	926.8	912.3	938.3
15°	924.3	924.7	925.3	922.9	922.5	921.2	924.4	923.3	922.7	917.6	934.8
15.5°	920.2	920.5	920.1	919.1	918.9	916.9	920.2	918.9	919.8	914.8	935.0
16°	917.2	919.3	916.3	915.3	915.5	915.5	914.8	915.5	916.9	908.5	926.9
16.5°	912.2	911.5	912.9	910.0	911.8	911.8	910.4	911.6	911.3	907.7	922.7
17°	908.9	909.9	908.5	908.6	908.1	906.3	910.5	907.4	909.4	903.9	921.0
17.5°	905.5	906.2	906.8	903.6	904.1	901.6	905.7	909.4	904.1	896.9	914.3
18°	900.7	901.7	901.9	900.3	899.8	898.4	900.8	900.3	901.8	894.6	910.6
18.5°	896.4	897.4	899.6	873.1	895.9	894.3	894.6	893.7	896.9	890.9	907.9
19°	892.2	870.9	892.8	896.1	890.4	889.6	891.1	891.3	891.7	885.7	903.6
19.5°	888.1	890.2	887.4	889.3	885.9	885.4	887.7	885.7	888.2	881.8	898.3
20°	884.0	884.1	883.0	877.3	882.7	880.7	883.3	882.6	883.4	878.9	893.8
20.5°	879.0	878.8	879.3	877.5	877.3	876.3	878.7	876.5	880.6	872.0	891.1
21°	873.9	880.7	874.5	872.7	874.1	871.8	872.7	874.3	870.1	871.5	883.7



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	859.5	858.7	861.0	858.0	858.7	857.3	858.2	858.8	860.7	855.0	871.6
23°	855.4	854.8	853.5	852.7	854.2	852.2	855.5	854.0	855.6	850.0	865.2
23.5°	840.3	851.5	850.0	852.0	848.5	846.7	847.5	849.8	849.3	842.5	860.9
24°	843.0	848.7	845.2	843.2	844.1	841.6	844.0	843.3	848.3	834.9	855.6
24.5°	838.1	839.0	837.1	838.2	838.0	836.7	838.6	838.2	840.4	832.8	850.4
25°	833.2	832.9	833.4	832.7	832.9	831.2	832.5	832.9	834.7	826.6	844.5
25.5°	826.6	827.2	828.6	826.3	827.8	825.8	826.5	827.0	825.5	823.2	839.2
26°	821.6	822.7	823.8	821.6	821.7	820.1	821.6	823.5	823.2	816.3	833.0
26.5°	815.4	815.2	816.8	814.7	815.8	814.0	816.4	815.9	820.2	812.0	827.5
27°	810.3	809.4	808.1	811.3	810.5	808.2	810.5	811.6	809.0	806.0	822.0
27.5°	804.0	805.6	807.3	804.5	804.3	802.4	804.3	805.2	806.0	799.9	816.4
28°	797.8	799.6	799.1	798.4	798.9	797.7	797.9	798.7	802.4	794.2	809.8
28.5°	792.1	791.3	794.5	793.0	792.9	789.8	792.3	792.4	791.3	786.0	804.1
29°	786.0	785.4	786.2	786.3	786.7	788.4	786.0	791.7	785.7	781.3	796.4
29.5°	778.9	781.4	781.2	777.3	780.0	779.1	779.6	780.0	780.8	776.7	804.1
30°	762.4	773.4	774.0	773.2	774.1	772.7	774.1	774.1	775.6	770.6	779.9
30.5°	760.1	765.4	768.7	768.2	768.1	765.8	767.4	767.4	769.5	767.0	778.6
31°	756.9	762.0	761.2	760.8	762.0	759.9	760.9	761.9	762.8	757.6	772.9
31.5°	752.8	756.0	754.8	755.8	755.3	753.1	754.3	755.9	755.7	749.7	767.3
32°	747.4	747.4	748.2	749.4	748.6	747.1	747.9	748.1	749.7	744.8	760.4
32.5°	738.6	740.0	742.0	744.3	741.9	740.9	741.0	742.3	743.7	738.2	755.3
33°	731.8	732.1	734.8	734.5	735.4	734.1	735.1	734.9	736.4	730.6	746.8
33.5°	726.4	727.1	728.5	728.8	729.1	727.6	726.8	728.6	728.4	725.6	740.0
34°	718.3	717.5	723.4	721.7	722.3	720.3	722.3	722.8	722.9	718.9	733.1
34.5°	710.0	712.3	715.1	714.0	715.5	714.4	714.6	716.9	716.1	710.6	726.0
35°	703.3	705.2	707.5	707.0	708.6	706.6	707.9	707.3	709.6	705.5	719.1
35.5°	695.2	699.3	705.6	700.2	701.7	700.2	701.2	702.0	702.3	698.5	713.0
36°	688.7	690.5	695.3	694.4	694.5	694.3	694.4	696.0	693.4	692.1	705.5
36.5°	681.8	678.1	685.8	686.6	687.1	686.8	687.2	687.1	689.3	684.7	697.6
37°	671.0	676.4	678.9	680.1	680.7	679.6	680.1	680.9	679.0	678.0	690.7
37.5°	665.1	668.6	671.5	672.0	673.5	672.5	673.0	675.8	674.6	670.1	684.3
38°	659.8	657.1	664.6	665.5	665.9	664.2	665.8	665.7	673.3	664.6	677.7
38.5°	654.4	656.7	657.6	658.9	659.2	657.6	658.0	659.8	658.6	655.9	669.3
39°	641.3	649.7	650.6	651.0	652.0	650.7	652.1	652.1	658.6	650.0	661.8
39.5°	637.0	640.1	642.0	643.6	644.6	643.9	644.5	645.9	646.3	640.9	658.0
40°	625.3	630.3	634.6	636.1	637.5	636.1	637.4	638.8	639.2	634.7	645.6
40.5°	621.6	626.1	627.6	628.0	630.2	628.7	629.6	629.7	630.4	626.8	640.2
41°	612.1	615.6	618.7	617.3	622.5	621.1	622.3	622.5	624.4	617.2	628.7
41.5°	605.7	606.9	611.1	613.1	615.1	615.0	615.0	615.1	616.3	614.2	621.9
42°	596.5	601.6	605.5	606.7	608.1	606.5	607.4	610.3	609.7	606.7	617.6
42.5°	588.5	593.6	597.2	598.3	599.4	599.9	600.1	598.9	601.2	597.6	611.0
43°	580.5	583.8	587.8	592.2	592.7	591.9	592.3	593.0	589.2	591.3	602.8
43.5°	573.2	579.3	580.4	582.3	584.8	583.8	585.2	586.7	586.3	582.4	597.6



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	548.5	555.3	557.1	559.5	562.4	561.7	562.5	562.4	563.7	561.8	572.1
45.5°	541.2	547.2	551.0	554.7	554.8	553.2	555.1	555.4	557.4	552.5	565.8
46°	533.2	539.1	542.7	544.0	547.3	546.8	547.0	547.8	549.1	544.9	558.3
46.5°	524.4	530.6	535.2	537.3	539.2	539.3	540.7	540.4	541.5	536.8	547.0
47°	517.1	524.5	527.0	529.1	531.9	531.8	532.2	531.9	533.0	531.0	539.9
47.5°	510.0	514.7	519.7	527.8	524.1	524.0	524.8	525.3	526.0	523.8	534.5
48°	501.5	506.6	512.5	514.9	516.8	516.5	516.4	517.5	519.2	518.8	524.9
48.5°	493.5	499.7	504.7	506.1	509.0	509.0	510.9	510.4	511.5	506.6	517.5
49°	486.3	490.8	494.9	497.3	501.4	501.1	502.0	502.6	502.8	501.4	512.0
49.5°	478.3	482.9	489.4	494.9	493.8	494.2	494.4	494.8	495.8	494.3	503.3
50°	470.3	475.5	481.9	484.4	486.6	486.3	486.7	487.2	488.2	485.4	497.1
50.5°	462.4	467.8	473.9	474.9	478.7	479.2	479.1	480.0	480.0	480.2	486.7
51°	454.9	460.2	465.3	468.8	470.9	471.2	472.8	472.9	472.8	468.4	479.4
51.5°	446.3	452.1	458.0	460.4	463.5	463.1	466.3	464.6	465.3	462.3	471.6
52°	439.3	444.6	451.2	453.2	455.9	455.7	457.2	457.5	458.0	456.7	464.4
52.5°	432.1	436.9	444.0	447.9	448.5	449.1	449.0	449.6	449.9	446.9	456.2
53°	424.4	429.7	436.4	439.3	440.7	442.2	441.2	441.6	442.4	441.7	450.1
53.5°	417.0	421.9	428.5	430.5	433.0	434.5	433.7	434.4	434.4	432.8	441.8
54°	408.6	414.2	420.2	422.7	425.8	426.2	428.2	427.0	427.4	425.6	432.9
54.5°	402.3	406.7	411.7	416.3	418.0	418.2	419.3	419.1	420.1	417.9	428.3
55°	394.0	399.9	405.9	408.9	410.8	411.0	411.3	411.8	412.5	410.8	417.7
55.5°	387.0	392.0	397.1	402.6	403.3	403.5	402.8	403.8	405.8	402.8	412.0
56°	379.3	384.7	390.6	394.1	395.9	398.7	395.7	396.7	397.5	395.4	402.8
56.5°	372.3	377.5	382.9	386.4	388.4	388.8	390.1	389.1	390.3	388.9	395.4
57°	365.4	370.0	376.9	378.5	380.8	381.0	381.4	381.5	381.3	380.8	389.8
57.5°	357.8	362.6	367.5	371.1	373.6	372.6	373.1	374.0	375.0	375.3	381.8
58°	350.8	355.6	361.0	364.5	365.9	366.6	366.2	366.9	367.7	366.0	370.3
58.5°	343.4	347.9	353.8	357.5	358.7	360.2	359.0	360.5	359.7	358.6	365.8
59°	336.5	341.0	345.6	349.0	351.7	352.3	352.0	351.7	351.8	351.2	358.6
59.5°	329.7	331.0	340.2	341.4	344.3	343.8	343.7	344.5	344.6	343.7	352.2
60°	322.9	326.7	331.6	334.4	337.5	336.6	336.2	338.3	337.8	337.4	344.7
60.5°	315.8	320.0	326.3	327.0	329.6	330.8	329.8	329.7	330.1	330.1	337.1
61°	308.9	313.2	316.1	320.5	321.7	323.1	322.5	321.0	322.9	322.4	329.9
61.5°	302.2	306.4	311.6	312.9	314.9	314.7	314.7	315.0	316.2	315.8	320.8
62°	295.5	299.2	303.8	306.0	307.6	307.8	307.5	307.6	308.6	308.3	315.4
62.5°	289.0	292.4	296.6	298.6	301.4	301.0	300.3	300.6	302.3	301.0	306.8
63°	282.0	285.8	289.6	291.5	293.7	293.6	292.8	292.9	294.4	293.8	300.4
63.5°	275.7	279.1	282.9	283.7	286.5	285.8	285.8	285.6	287.1	286.8	292.9
64°	269.2	272.4	275.7	278.9	279.8	279.2	278.4	279.4	281.5	279.4	286.2
64.5°	262.7	265.8	269.4	273.3	272.6	272.3	271.3	273.0	272.9	272.9	279.8
65°	256.3	259.4	262.6	265.0	265.3	264.7	264.1	264.6	265.1	265.9	271.1
65.5°	250.2	252.8	255.9	257.8	258.3	257.7	258.0	257.4	259.0	258.7	264.3
66°	243.6	246.6	249.2	250.9	251.8	250.9	250.1	250.2	252.1	251.8	257.8



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	225.2	227.6	229.8	230.6	230.9	229.5	228.8	229.4	230.8	230.0	237.4
68°	219.4	221.4	223.3	225.0	224.3	223.0	222.1	222.3	223.9	224.5	230.6
68.5°	213.3	215.1	217.0	217.6	217.6	216.0	215.1	215.7	216.7	217.7	223.9
69°	207.4	209.0	210.8	211.2	210.9	209.3	208.2	208.6	209.9	210.3	217.5
69.5°	201.6	203.0	204.3	204.4	204.0	202.2	201.2	201.2	202.7	203.8	210.1
70°	195.7	197.2	198.0	198.2	198.0	195.9	194.4	194.8	195.8	196.7	203.8
70.5°	189.8	191.0	192.0	191.7	191.0	188.9	187.6	188.1	189.4	191.6	197.0
71°	184.0	185.3	185.9	185.8	184.5	182.5	181.2	181.0	183.2	184.1	190.2
71.5°	178.5	179.5	180.3	179.7	178.2	176.3	174.3	174.6	176.3	177.7	185.0
72°	173.0	173.8	174.2	173.6	171.6	169.1	167.9	167.8	169.7	171.2	177.7
72.5°	167.5	168.3	167.9	167.3	165.3	162.7	161.0	161.5	162.5	164.9	170.2
73°	162.1	162.3	162.7	161.2	159.1	156.4	154.4	155.2	156.2	158.8	164.8
73.5°	156.7	157.0	156.5	155.2	153.1	149.7	148.1	148.9	150.0	152.6	158.8
74°	151.2	151.3	151.0	149.2	146.7	143.1	141.4	142.7	143.7	146.5	152.8
74.5°	146.1	146.0	145.5	143.4	140.7	137.3	135.0	136.4	137.4	140.3	146.9
75°	141.1	140.7	139.6	137.7	134.7	131.0	128.6	129.9	131.5	134.2	140.9
75.5°	135.9	135.4	134.6	131.9	128.9	125.3	122.5	123.3	125.2	128.1	134.9
76°	130.7	130.2	130.1	126.4	122.8	118.7	116.3	116.9	118.9	122.5	128.9
76.5°	125.8	125.0	123.9	120.8	117.1	113.1	110.1	110.9	112.8	115.8	123.1
77°	120.8	120.0	118.4	115.4	111.5	107.2	104.1	104.8	107.2	109.9	117.2
77.5°	116.0	115.0	113.0	109.8	105.8	100.8	98.2	98.7	100.6	104.1	111.6
78°	111.2	110.1	108.1	104.3	100.3	95.6	92.4	92.7	95.1	98.4	106.3
78.5°	106.6	105.3	102.8	99.3	95.0	90.1	86.7	86.9	88.9	92.8	100.4
79°	102.0	100.5	97.9	94.3	89.6	84.6	81.1	81.1	83.4	87.2	95.4
79.5°	97.4	95.8	93.0	89.2	84.4	79.1	75.4	75.5	77.5	81.8	89.5
80°	93.2	91.3	88.3	84.2	79.1	73.9	70.0	69.7	72.3	76.4	83.5
80.5°	88.9	86.9	83.9	79.4	74.3	68.9	64.5	64.5	67.0	71.3	79.5
81°	84.7	82.5	79.3	74.8	69.4	64.8	59.8	59.4	61.9	66.3	74.1
81.5°	80.7	78.4	74.8	70.2	64.3	60.0	55.2	54.2	56.6	61.5	69.7
82°	76.7	74.3	70.9	65.6	60.1	55.3	50.5	49.1	51.8	56.6	64.3
82.5°	72.9	70.4	66.7	61.7	56.0	50.6	45.9	44.4	47.0	52.0	59.7
83°	69.1	66.6	63.1	57.9	51.9	45.8	41.3	39.9	42.4	47.3	55.2
83.5°	65.3	63.2	59.5	54.0	47.7	41.7	37.0	35.5	38.0	43.1	51.0
84°	62.2	59.9	55.9	50.2	43.8	37.5	32.8	31.3	33.9	39.0	46.9
84.5°	59.2	56.5	52.3	46.3	40.0	33.5	28.9	27.3	29.8	35.2	42.9
85°	56.1	53.2	48.8	42.8	36.3	29.7	25.0	23.5	26.0	31.3	39.0
85.5°	53.0	49.9	45.5	39.5	32.8	26.2	21.4	20.3	22.4	27.9	35.3
86°	49.9	46.7	42.3	36.2	29.6	22.8	17.9	17.1	19.5	24.3	31.9
86.5°	47.0	43.7	39.2	33.2	26.5	19.8	14.8	13.9	16.5	21.2	28.5
87°	44.1	40.9	36.2	30.3	23.7	17.0	11.9	10.7	13.6	18.6	25.5
87.5°	41.4	38.2	33.6	27.6	21.0	14.4	9.4	7.5	10.6	16.1	22.5
88°	38.7	35.5	30.9	25.1	18.5	12.1	6.9	5.1	7.7	13.5	20.0
88.5°	36.2	33.0	28.3	22.7	16.3	10.0	5.6	3.2	5.6	11.0	17.6



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	29.3	26.2	21.8	16.4	10.8	5.7	1.7	0.2	1.7	5.2	10.5
90.5°	27.3	24.2	19.9	14.7	9.3	4.7	1.1	0.2	1.1	4.0	8.8
91°	25.3	22.3	18.1	13.1	7.9	3.7	0.8	0.2	0.8	3.1	7.3
91.5°	23.4	20.4	16.3	11.6	6.7	2.8	0.6	0.2	0.6	2.4	6.0
92°	21.6	18.7	14.8	10.2	5.9	2.2	0.4	0.2	0.5	2.0	4.9
92.5°	19.9	17.1	13.3	9.0	5.1	1.7	0.4	0.2	0.5	1.7	4.1
93°	18.3	15.6	12.0	7.9	4.3	1.4	0.3	0.1	0.5	1.5	3.5
93.5°	16.9	14.2	10.8	6.9	3.5	1.2	0.3	0.1	0.4	1.4	3.1
94°	15.5	13.0	9.7	6.2	3.0	1.1	0.2	0.2	0.4	1.3	2.8
94.5°	14.2	11.9	8.6	5.5	2.6	0.9	0.3	0.2	0.4	1.3	2.6
95°	13.0	10.7	7.7	4.8	2.3	0.8	0.3	0.2	0.4	1.3	2.5
95.5°	11.9	9.7	6.9	4.2	2.0	0.7	0.3	0.2	0.4	1.2	2.4
96°	10.8	8.8	6.3	3.7	1.9	0.6	0.3	0.3	0.4	1.2	2.3
96.5°	9.9	7.9	5.7	3.3	1.7	0.6	0.3	0.3	0.4	1.2	2.2
97°	9.1	7.2	5.1	3.0	1.5	0.5	0.3	0.3	0.4	1.1	2.2
97.5°	8.3	6.7	4.5	2.8	1.4	0.5	0.3	0.4	0.4	1.1	2.1
98°	7.6	6.1	4.1	2.6	1.3	0.5	0.3	0.4	0.4	1.1	2.1
98.5°	6.9	5.6	3.8	2.4	1.2	0.5	0.4	0.4	0.4	1.1	2.1
99°	6.4	5.0	3.6	2.2	1.1	0.5	0.4	0.5	0.4	1.1	2.1
99.5°	6.0	4.6	3.3	2.1	1.0	0.5	0.4	0.5	0.4	1.1	2.0
100°	5.5	4.3	3.2	1.9	0.9	0.6	0.5	0.5	0.4	1.1	2.0
100.5°	5.0	4.1	3.0	1.8	0.9	0.6	0.5	0.5	0.4	1.1	2.0
101°	4.7	3.9	2.8	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	3.5	2.5	1.5	0.9	0.7	0.7	0.7	0.6	1.1	2.0
102.5°	4.1	3.3	2.4	1.4	0.9	0.7	0.7	0.7	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°	3.7	3.0	2.2	1.3	0.9	0.8	0.8	0.9	0.8	1.1	2.0
104°	3.5	2.8	2.1	1.3	0.9	0.8	0.9	1.0	0.8	1.0	2.0
104.5°	3.4	2.7	2.0	1.2	1.0	0.9	0.9	1.1	0.9	1.0	2.0
105°	3.2	2.6	1.9	1.2	1.0	0.9	1.0	1.1	0.9	1.0	2.0
105.5°	3.0	2.4	1.8	1.2	1.0	0.9	1.0	1.2	1.0	1.1	2.0
106°	2.9	2.3	1.7	1.2	1.1	1.0	1.2	1.2	1.1	1.1	2.0
106.5°	2.7	2.2	1.6	1.2	1.1	1.0	1.3	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	2.0	1.5	1.2	1.2	1.1	1.6	1.4	1.5	1.1	2.0
108°	2.4	1.9	1.5	1.2	1.2	1.1	1.6	1.4	1.5	1.1	1.9
108.5°	2.3	1.8	1.4	1.2	1.2	1.1	1.5	1.5	1.5	1.1	1.9
109°	2.2	1.8	1.4	1.3	1.1	1.1	1.5	1.5	1.4	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	1.7
110°	2.0	1.6	1.4	1.3	1.2	1.2	1.6	1.5	1.5	1.2	1.7
110.5°	1.9	1.6	1.4	1.3	1.2	1.2	1.6	1.6	1.5	1.3	1.7
111°	1.8	1.6	1.5	1.3	1.3	1.3	1.6	1.6	1.5	1.3	1.7



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.6	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	1.5	1.5	1.6
113.5°	1.6	1.6	1.6	1.2	1.4	1.5	1.7	1.7	1.5	1.5	1.5
114°	1.6	1.6	1.6	1.2	1.4	1.6	1.7	1.7	1.5	1.5	1.5
114.5°	1.6	1.7	1.6	1.2	1.4	1.6	1.8	1.8	1.5	1.6	1.4
115°	1.6	1.7	1.7	1.2	1.4	1.6	1.8	1.8	1.6	1.6	1.3
115.5°	1.7	1.7	1.7	1.3	1.4	1.6	1.8	1.8	1.6	1.6	1.3
116°	1.7	1.8	1.7	1.3	1.5	1.6	1.8	1.8	1.6	1.6	1.3
116.5°	1.7	1.8	1.6	1.3	1.5	1.7	1.8	1.8	1.6	1.6	1.3
117°	1.8	1.7	1.5	1.4	1.5	1.8	1.8	1.7	1.5	1.7	1.4
117.5°	1.8	1.8	1.4	1.4	1.6	1.9	1.7	1.7	1.5	1.7	1.4
118°	1.9	1.8	1.4	1.5	1.6	2.0	1.7	1.6	1.5	1.8	1.4
118.5°	1.8	1.9	1.4	1.5	1.6	2.1	1.7	1.6	1.5	2.1	1.5
119°	1.8	1.8	1.4	1.5	1.6	2.1	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	1.5	2.2	1.5
120°	1.9	1.5	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	1.7	2.0	1.8	1.7	1.6	2.0	1.6
121°	1.9	1.5	1.5	1.6	1.8	2.0	1.9	1.7	1.6	1.9	1.6
121.5°	1.7	1.5	1.6	1.7	1.8	1.9	1.9	1.7	1.6	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	1.6
122.5°	1.5	1.5	1.6	1.7	1.9	1.9	1.9	1.7	1.7	2.0	1.7
123°	1.5	1.5	1.7	1.8	1.9	1.9	2.0	1.7	1.7	1.9	1.7
123.5°	1.5	1.6	1.7	1.8	1.9	2.0	2.0	1.7	1.7	2.0	1.7
124°	1.5	1.6	1.7	1.8	2.0	2.0	2.0	1.7	1.7	2.0	1.8
124.5°	1.5	1.6	1.8	1.9	2.0	2.0	2.0	1.8	1.7	2.1	1.8
125°	1.5	1.7	1.8	1.9	2.1	2.1	2.0	1.8	1.7	2.1	1.8
125.5°	1.6	1.7	1.8	1.9	2.2	2.1	2.0	1.8	1.8	2.1	1.9
126°	1.6	1.7	1.8	1.9	2.3	2.1	2.1	1.8	1.8	2.1	1.9
126.5°	1.6	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	1.9	2.0	2.6	2.0	2.1	1.8	1.8	2.0	2.2
128°	1.7	1.8	2.0	2.1	2.6	2.0	2.1	1.8	1.8	2.0	2.4
128.5°	1.8	1.9	2.0	2.1	2.6	2.0	2.1	1.8	1.8	2.0	2.5
129°	1.8	1.9	2.0	2.1	2.5	2.0	2.1	1.8	1.8	2.0	2.6
129.5°	1.8	1.9	2.0	2.2	2.5	2.0	2.1	1.9	1.8	2.0	2.5
130°	1.9	1.9	2.0	2.2	2.5	2.0	2.1	1.9	1.8	2.0	2.4
130.5°	1.9	2.0	2.1	2.2	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	1.9	2.1	1.9	1.9	1.9	2.3
131.5°	1.9	2.0	2.1	2.4	2.4	1.9	2.1	1.9	1.9	1.9	2.3
132°	2.0	2.0	2.2	2.5	2.4	1.9	2.1	1.9	1.9	1.9	2.4
132.5°	2.0	2.1	2.2	2.6	2.4	2.0	2.1	1.9	1.9	1.9	2.3
133°	2.0	2.1	2.2	2.7	2.4	2.0	2.1	1.9	1.9	1.9	2.3
133.5°	2.0	2.1	2.3	2.9	2.4	2.0	2.2	1.9	1.9	1.9	2.3



TEST NUMBER: P563516

CATALOG NUMBER: 2NWS23C3-NUV-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	2.0	2.2	2.0	1.9	2.0	2.4
135.5°	2.1	2.2	2.4	3.2	2.4	2.1	2.2	1.9	2.0	2.0	2.4
136°	2.2	2.3	2.4	3.1	2.4	2.1	2.2	1.9	2.0	2.0	2.4
136.5°	2.2	2.3	2.5	3.0	2.4	2.1	2.2	2.0	2.0	2.1	2.5
137°	2.2	2.3	2.6	2.9	2.5	2.1	2.3	2.0	2.0	2.1	2.5
137.5°	2.2	2.4	2.8	2.8	2.5	2.2	2.3	2.0	2.0	2.1	2.4
138°	2.3	2.4	2.9	2.7	2.4	2.2	2.3	2.0	2.0	2.1	2.4
138.5°	2.3	2.4	3.1	2.7	2.4	2.3	2.3	2.0	2.0	2.2	2.4
139°	2.3	2.5	3.2	2.7	2.3	2.3	2.3	2.0	2.0	2.2	2.4
139.5°	2.4	2.5	3.4	2.7	2.3	2.3	2.4	2.0	2.0	2.2	2.4
140°	2.4	2.6	3.4	2.7	2.2	2.3	2.4	2.1	2.1	2.3	2.3
140.5°	2.4	2.7	3.3	2.8	2.2	2.4	2.4	2.1	2.1	2.3	2.3
141°	2.5	2.8	3.2	2.8	2.1	2.4	2.4	2.1	2.1	2.3	2.3
141.5°	2.5	3.0	3.1	2.8	2.1	2.4	2.4	2.1	2.1	2.3	2.3
142°	2.6	3.2	3.0	2.8	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	2.2
143°	2.8	3.4	2.8	2.8	2.1	2.4	2.3	2.1	2.1	2.4	2.2
143.5°	3.0	3.4	2.8	2.7	2.1	2.4	2.3	2.1	2.1	2.4	2.2
144°	3.2	3.3	2.8	2.7	2.1	2.4	2.3	2.1	2.1	2.4	2.2
144.5°	3.3	3.2	2.8	2.6	2.2	2.4	2.3	2.1	2.1	2.4	2.2
145°	3.5	3.1	2.8	2.5	2.2	2.4	2.3	2.1	2.1	2.5	2.2
145.5°	3.5	3.0	2.8	2.5	2.2	2.5	2.2	2.1	2.1	2.5	2.3
146°	3.4	2.9	2.9	2.4	2.2	2.5	2.2	2.1	2.1	2.5	2.3
146.5°	3.3	2.9	2.9	2.3	2.2	2.5	2.2	2.1	2.1	2.5	2.3
147°	3.2	2.8	2.9	2.3	2.2	2.5	2.2	2.1	2.1	2.5	2.3
147.5°	3.0	2.8	2.8	2.2	2.3	2.5	2.2	2.2	2.1	2.5	2.4
148°	2.9	2.8	2.8	2.1	2.3	2.5	2.2	2.2	2.1	2.5	2.4
148.5°	2.9	2.9	2.7	2.1	2.3	2.5	2.3	2.2	2.1	2.5	2.4
149°	2.8	2.9	2.6	2.1	2.3	2.5	2.3	2.2	2.1	2.5	2.4
149.5°	2.8	2.9	2.5	2.1	2.3	2.5	2.3	2.2	2.1	2.5	2.4
150°	2.9	2.9	2.4	2.1	2.3	2.5	2.2	2.2	2.1	2.5	2.4
150.5°	2.9	2.8	2.4	2.1	2.4	2.5	2.2	2.2	2.1	2.5	2.5
151°	2.9	2.8	2.3	2.1	2.4	2.5	2.2	2.2	2.1	2.5	2.5
151.5°	2.9	2.7	2.2	2.1	2.4	2.5	2.2	2.2	2.1	2.5	2.5
152°	2.9	2.6	2.1	2.1	2.4	2.5	2.3	2.2	2.1	2.5	2.5
152.5°	2.8	2.5	2.1	2.1	2.4	2.5	2.3	2.2	2.1	2.5	2.6
153°	2.8	2.4	2.1	2.2	2.4	2.5	2.2	2.1	2.1	2.5	2.6
153.5°	2.7	2.3	2.0	2.2	2.4	2.5	2.2	2.1	2.0	2.5	2.6
154°	2.6	2.2	2.0	2.2	2.4	2.5	2.2	2.1	2.0	2.5	2.6
154.5°	2.5	2.1	2.0	2.2	2.5	2.5	2.2	2.1	2.0	2.5	2.6
155°	2.3	2.1	2.0	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6
155.5°	2.2	2.0	2.1	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6
156°	2.1	2.0	2.1	2.3	2.5	2.4	2.2	2.1	2.0	2.5	2.6



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516
CATALOG NUMBER: 2NWS23C3-NUV-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: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9	979.9
0.5°	981.1	979.4	979.7	984.7	981.3	980.2	978.9	979.6	981.5	981.0	979.5
1°	983.8	978.8	979.8	981.1	981.8	981.6	978.4	978.7	980.3	978.8	979.5
1.5°	979.3	979.4	978.8	980.6	980.9	979.0	979.1	980.2	980.3	981.2	979.3
2°	978.0	978.5	978.9	980.7	981.0	983.7	978.3	977.5	981.0	981.0	981.4
2.5°	978.0	978.0	977.9	983.0	980.1	980.1	978.7	978.7	980.5	982.9	979.4
3°	977.1	977.5	977.5	979.1	979.1	979.5	976.6	978.3	980.5	981.3	978.7
3.5°	975.9	976.8	976.7	977.3	978.4	977.7	978.0	977.3	979.0	979.8	977.3
4°	975.3	975.1	976.4	978.9	977.3	977.5	976.8	976.7	978.5	977.8	978.0
4.5°	973.7	974.1	974.9	979.3	978.3	977.9	976.6	976.1	977.8	978.0	976.9
5°	972.1	973.7	974.1	975.7	976.7	974.0	975.1	975.0	977.2	977.4	975.7
5.5°	971.2	971.9	972.2	979.7	974.7	976.9	972.9	974.3	975.8	977.0	975.3
6°	969.8	970.4	970.8	973.8	973.2	972.2	973.8	973.4	975.1	975.6	975.4
6.5°	968.7	968.8	969.7	970.9	971.9	970.6	972.0	972.1	973.3	974.7	973.3
7°	966.8	967.2	968.6	970.4	970.1	970.9	969.8	969.8	973.0	973.8	972.2
7.5°	964.8	966.0	966.4	967.9	969.0	971.7	969.3	969.0	970.8	971.4	970.3
8°	963.4	964.1	964.7	967.5	967.1	967.2	965.1	967.2	969.8	970.5	969.3
8.5°	961.9	961.5	962.9	964.7	965.8	961.9	964.4	965.2	968.0	968.5	967.2
9°	959.0	959.6	960.6	962.1	961.7	964.3	961.3	963.9	966.5	966.7	965.6
9.5°	956.7	957.6	958.2	961.3	960.6	963.1	960.3	961.7	964.4	966.4	964.2
10°	955.1	955.7	955.5	959.2	958.9	958.8	959.1	960.2	962.0	967.5	962.6
10.5°	952.3	952.3	954.2	956.7	956.6	956.4	956.9	957.3	960.3	963.1	960.2
11°	949.5	950.2	951.6	955.7	956.7	954.0	956.0	955.1	957.7	978.0	957.6
11.5°	946.7	947.7	948.7	954.3	951.9	951.1	953.5	952.7	955.7	955.7	954.1
12°	943.6	945.0	946.0	948.2	949.5	948.6	950.2	950.7	953.3	953.5	952.9
12.5°	941.6	942.4	944.0	944.3	946.2	945.0	947.1	948.6	950.0	951.2	950.3
13°	938.3	939.6	941.0	943.2	942.7	947.4	945.7	945.2	947.6	948.6	949.8
13.5°	935.6	936.1	937.1	948.6	942.6	937.5	940.0	943.7	944.7	946.2	945.1
14°	931.5	933.1	934.0	936.6	937.9	935.1	938.6	939.5	941.6	942.9	942.5
14.5°	928.6	930.0	930.4	933.7	935.2	937.1	934.3	935.6	939.1	939.5	939.5
15°	925.8	927.0	927.5	930.3	936.1	937.0	931.7	933.6	936.0	937.3	936.3
15.5°	922.6	922.7	924.0	924.7	926.2	928.5	928.0	930.3	932.8	933.5	933.8
16°	917.9	919.1	920.6	926.6	922.8	927.0	925.0	926.4	929.0	930.9	929.4
16.5°	915.1	915.6	916.5	919.3	919.4	923.9	921.3	923.6	925.3	926.9	925.6
17°	911.5	912.2	913.1	916.7	916.6	918.1	918.0	919.3	921.3	923.6	922.6
17.5°	907.2	908.0	908.8	913.9	912.4	911.9	913.9	914.5	918.3	919.2	920.1
18°	902.9	903.9	905.5	906.0	908.1	910.4	910.6	911.3	914.1	915.9	916.7
18.5°	898.9	900.3	901.1	904.3	906.0	905.7	905.9	907.3	910.2	912.6	912.0
19°	894.5	895.9	897.0	902.4	900.6	898.8	901.0	904.8	905.8	907.7	908.0
19.5°	891.3	891.1	892.7	893.9	895.4	897.0	898.2	894.2	902.0	903.6	904.8
20°	885.8	886.9	888.2	891.1	890.4	892.6	892.8	893.0	897.8	900.0	900.2
20.5°	881.3	882.7	883.4	886.4	887.4	887.3	888.4	890.9	893.3	895.8	895.7
21°	876.1	877.5	878.9	882.0	879.5	881.0	883.1	887.7	887.4	890.8	891.2



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	862.3	863.1	864.3	864.1	867.2	868.2	869.1	870.3	875.9	876.7	878.0
23°	857.5	858.3	859.4	858.5	861.2	863.4	864.3	865.2	869.9	872.2	872.1
23.5°	852.2	853.1	853.8	857.0	855.8	858.6	859.0	861.2	865.0	867.6	868.2
24°	846.8	848.1	848.9	852.2	853.1	853.0	854.4	856.5	859.9	862.6	863.1
24.5°	841.3	842.5	843.2	849.8	845.7	843.0	848.8	851.7	854.9	856.9	858.4
25°	835.9	836.8	837.8	839.9	839.0	843.7	843.3	846.1	849.0	852.1	852.6
25.5°	830.4	831.8	832.3	833.5	836.1	836.8	837.2	839.9	844.1	847.0	848.4
26°	825.4	826.1	827.0	827.9	829.9	829.9	832.5	834.7	837.2	841.5	841.5
26.5°	819.9	820.5	820.6	822.7	823.4	824.6	827.7	827.7	833.0	835.5	837.4
27°	813.7	814.4	815.5	817.9	817.5	817.9	820.0	822.9	820.4	830.2	830.8
27.5°	808.4	808.1	808.9	811.8	811.8	812.3	816.2	817.1	821.7	824.1	826.5
28°	801.6	802.2	803.1	803.8	803.9	806.0	807.2	812.5	815.2	818.5	820.3
28.5°	796.2	796.3	797.4	797.0	799.0	803.4	800.2	804.0	809.1	813.7	813.7
29°	789.6	790.6	791.4	796.4	792.2	794.1	793.5	801.6	804.3	807.6	808.4
29.5°	783.5	784.1	784.8	785.6	787.4	787.3	790.3	793.1	797.3	801.2	801.6
30°	777.6	777.7	778.2	780.8	779.7	780.8	783.0	781.9	790.9	795.0	796.3
30.5°	771.0	771.4	771.7	773.6	773.3	772.8	776.5	780.1	784.8	788.4	790.1
31°	764.4	765.1	765.5	766.0	766.7	767.3	767.8	775.2	778.3	782.5	787.3
31.5°	758.6	758.8	758.6	759.9	758.7	762.8	762.2	764.4	771.3	775.4	777.7
32°	751.9	752.3	752.3	754.4	753.9	753.2	755.5	761.8	765.4	769.7	771.4
32.5°	745.7	745.3	745.3	746.3	745.9	747.3	749.3	752.7	758.5	763.4	765.5
33°	738.6	739.0	738.7	738.2	738.9	736.9	741.8	747.4	751.7	756.4	758.5
33.5°	732.0	731.8	731.2	731.8	732.8	728.1	734.7	738.1	744.9	749.8	751.8
34°	725.1	724.6	724.3	725.3	725.0	732.5	726.9	732.9	738.3	742.5	744.7
34.5°	718.8	718.5	717.8	718.5	716.9	716.8	720.8	725.8	731.1	735.8	737.9
35°	711.6	711.0	710.5	711.5	710.1	706.0	714.3	716.3	723.9	729.0	732.2
35.5°	704.7	704.1	703.2	704.2	703.0	705.4	706.9	710.8	717.2	722.0	724.9
36°	697.5	696.9	696.1	698.3	696.1	698.3	698.5	702.0	709.8	715.2	718.6
36.5°	691.5	690.4	689.2	689.3	687.7	687.0	693.1	695.9	702.7	708.6	711.2
37°	683.4	683.2	681.5	680.2	679.4	681.0	682.8	689.1	695.0	701.2	704.2
37.5°	676.1	675.4	673.8	674.0	674.0	673.4	676.6	681.3	687.5	693.8	698.1
38°	668.9	668.1	666.9	667.1	664.8	664.3	668.3	674.3	680.5	686.3	688.7
38.5°	661.8	660.8	659.4	659.3	657.7	657.9	660.9	666.5	673.2	679.0	682.3
39°	654.7	653.3	651.9	653.6	649.4	648.9	652.6	658.9	665.6	671.8	675.6
39.5°	647.5	646.4	644.2	643.0	642.3	645.8	644.5	651.5	658.1	664.2	668.1
40°	639.7	638.3	636.5	635.3	634.6	635.2	636.7	643.5	650.4	657.2	659.8
40.5°	632.5	631.3	629.0	628.2	625.9	627.8	629.0	635.2	642.3	649.0	653.1
41°	625.1	623.5	621.0	619.8	623.6	619.7	621.9	627.0	635.0	642.1	646.3
41.5°	618.1	615.9	613.8	618.6	611.3	610.7	614.6	618.9	627.8	634.1	638.8
42°	610.2	608.8	606.2	604.4	601.8	603.7	606.1	611.3	620.1	626.5	630.7
42.5°	602.5	600.7	598.4	595.9	594.3	596.6	598.0	603.7	612.3	618.7	623.2
43°	595.0	593.3	590.7	587.7	587.7	586.8	590.5	596.0	603.9	611.2	616.7
43.5°	587.8	585.7	582.8	581.2	578.9	578.4	582.5	587.2	596.0	603.3	608.2



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	564.9	562.5	559.2	558.8	556.0	555.3	558.6	566.1	573.4	580.2	585.1
45.5°	557.1	554.7	551.8	549.6	547.1	547.5	550.0	555.4	565.2	572.8	578.4
46°	549.8	547.1	543.9	541.1	539.8	539.7	541.5	551.4	557.2	565.2	569.7
46.5°	541.8	539.0	536.3	535.1	532.0	531.6	534.7	542.1	549.3	557.3	562.0
47°	534.3	531.6	528.0	525.5	521.6	523.8	526.5	535.1	541.4	549.3	554.2
47.5°	526.9	523.9	520.6	516.7	516.2	515.9	518.6	526.3	533.7	541.4	546.8
48°	518.9	516.4	512.6	510.6	508.0	508.0	511.2	516.3	525.8	533.5	539.2
48.5°	511.3	508.6	505.1	501.6	499.3	500.0	503.2	508.0	517.9	526.0	533.0
49°	503.5	501.1	497.1	495.0	488.9	492.5	494.7	501.9	510.1	517.8	523.1
49.5°	496.1	493.2	489.4	486.7	484.5	484.3	486.8	491.7	502.3	510.5	516.7
50°	488.2	485.4	481.7	478.9	476.2	476.7	479.5	485.6	494.6	502.3	505.9
50.5°	480.6	477.7	474.2	471.2	467.9	468.7	471.3	478.8	486.6	494.4	499.6
51°	473.3	469.9	466.5	463.6	461.1	461.2	463.7	468.4	478.9	486.8	492.3
51.5°	466.0	462.4	458.6	455.5	453.0	453.2	456.4	462.4	470.9	478.8	484.9
52°	457.6	455.0	451.2	448.5	445.5	445.9	448.6	452.9	463.4	471.6	477.3
52.5°	450.2	447.1	443.2	440.5	437.7	438.2	441.0	445.8	455.3	463.4	469.2
53°	441.8	439.6	436.0	433.2	430.1	430.8	433.3	440.0	448.2	455.9	461.2
53.5°	420.9	431.9	428.5	424.4	422.2	422.9	425.6	431.3	439.8	448.1	453.8
54°	427.5	424.7	420.8	415.9	415.0	415.9	418.4	425.0	432.6	440.5	446.2
54.5°	419.5	417.0	413.3	411.8	408.2	408.3	411.1	418.1	425.0	432.7	438.2
55°	412.0	409.7	405.8	403.3	399.8	401.2	403.4	408.5	417.3	425.2	431.0
55.5°	405.6	402.4	398.6	395.7	392.1	393.6	396.1	402.7	409.9	417.7	423.6
56°	396.7	394.9	391.1	387.8	385.7	386.0	389.0	394.8	402.3	410.4	415.5
56.5°	390.3	387.4	384.0	380.7	379.0	379.0	381.7	387.6	395.1	402.6	408.1
57°	382.5	380.1	376.5	374.8	373.1	371.5	374.2	380.3	387.6	395.5	400.3
57.5°	376.8	372.5	369.2	366.4	364.7	364.6	367.6	373.1	380.3	387.8	392.9
58°	368.5	365.5	362.1	359.2	358.5	357.2	360.3	365.5	373.1	380.1	385.6
58.5°	361.2	358.4	355.1	352.4	352.4	350.6	353.1	358.4	365.6	373.0	378.1
59°	353.7	351.1	347.9	344.5	338.5	343.3	346.2	351.6	358.6	365.7	370.7
59.5°	346.5	343.9	341.1	338.3	335.7	336.5	339.7	344.4	351.5	358.3	363.3
60°	339.1	336.5	333.8	331.7	329.5	329.5	332.2	337.2	344.4	350.9	355.4
60.5°	334.2	329.9	327.2	324.3	322.4	322.8	325.7	330.7	337.4	343.6	348.5
61°	324.5	322.8	320.1	317.4	315.9	316.2	318.7	323.7	330.3	337.0	340.9
61.5°	320.0	315.9	313.3	311.4	309.0	309.6	311.8	317.1	323.1	329.5	334.0
62°	310.6	308.6	306.0	303.8	302.3	303.0	305.4	309.9	316.0	322.5	326.7
62.5°	303.5	301.8	299.4	297.7	296.8	296.2	298.6	303.1	309.2	315.2	319.1
63°	297.0	294.9	292.8	290.5	288.9	289.9	292.1	296.2	302.6	308.3	311.9
63.5°	289.6	288.2	286.2	283.8	282.9	283.0	285.5	289.6	295.7	301.5	305.3
64°	283.1	281.5	279.6	277.6	276.4	277.0	279.1	283.2	288.7	294.4	297.9
64.5°	275.7	274.7	273.0	270.9	270.5	270.5	272.9	276.6	282.1	287.5	290.9
65°	269.0	267.9	266.4	265.2	264.2	264.5	266.4	270.5	275.8	280.9	284.0
65.5°	262.5	261.3	259.9	258.9	257.6	257.8	259.8	264.0	269.2	273.7	276.9
66°	255.7	254.7	253.3	251.9	251.0	251.9	253.6	257.7	262.5	266.9	270.1



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	235.8	235.2	234.4	233.7	233.5	233.8	235.4	238.8	243.3	247.2	248.8
68°	229.7	228.9	228.3	228.2	227.2	227.6	229.3	232.6	237.0	240.7	242.8
68.5°	222.4	222.6	222.4	221.5	221.1	221.7	223.3	226.7	230.7	234.0	235.7
69°	216.1	216.2	215.8	215.5	215.2	215.9	217.5	220.6	224.4	227.5	228.7
69.5°	209.3	210.0	209.9	209.6	209.7	210.1	211.8	214.7	218.4	221.4	222.2
70°	204.0	203.9	204.0	203.7	203.5	204.3	205.9	208.8	212.0	214.9	216.0
70.5°	196.3	197.8	198.1	197.8	197.5	198.6	200.6	203.1	206.1	208.6	209.1
71°	190.0	191.7	192.2	192.5	192.6	193.2	194.8	197.0	200.0	202.4	203.3
71.5°	184.5	185.6	186.3	186.5	187.0	187.5	189.3	191.3	194.4	196.2	196.4
72°	178.4	179.5	180.4	180.8	181.2	182.1	183.5	185.7	188.2	190.0	190.5
72.5°	171.9	173.8	174.8	175.7	175.9	176.5	177.9	180.0	182.5	184.1	184.0
73°	165.8	167.9	169.1	170.1	170.0	171.2	172.8	174.3	176.6	178.0	178.0
73.5°	160.3	162.2	163.6	164.5	165.3	165.8	167.1	169.0	171.0	172.1	171.3
74°	154.7	156.9	158.4	159.1	160.5	160.8	161.7	163.6	165.4	166.2	165.6
74.5°	149.1	151.7	153.1	154.1	155.4	155.8	156.8	158.2	159.7	160.4	159.8
75°	143.5	146.4	147.9	149.1	150.3	150.8	151.8	153.2	154.5	154.9	154.0
75.5°	137.8	141.2	142.7	144.0	145.3	145.9	146.8	148.2	149.2	149.4	148.1
76°	126.7	135.9	137.4	139.0	140.2	141.0	141.9	143.3	144.0	143.9	142.3
76.5°	126.9	129.6	132.0	133.7	135.1	136.0	136.9	138.3	138.8	138.4	136.5
77°	120.2	124.5	127.0	129.3	130.0	131.2	132.1	133.0	133.5	133.1	130.7
77.5°	115.3	118.7	121.9	124.5	125.3	126.4	127.3	128.0	128.3	127.5	124.9
78°	110.1	113.0	116.8	119.3	120.7	121.6	122.3	122.7	123.1	121.9	119.2
78.5°	104.6	108.7	112.0	114.5	115.9	116.9	117.7	118.1	118.2	116.7	113.9
79°	99.2	104.7	107.1	109.6	111.1	112.3	113.0	113.4	112.8	111.5	108.3
79.5°	94.0	98.5	102.5	105.1	106.7	107.8	108.5	108.8	108.1	106.3	102.6
80°	88.9	94.3	97.8	100.5	103.1	103.4	104.1	104.1	103.3	101.4	97.7
80.5°	84.7	89.1	93.3	96.2	98.1	99.2	99.6	99.6	98.6	96.4	92.4
81°	79.2	84.3	88.8	92.1	93.8	94.9	95.3	95.1	94.1	91.5	87.6
81.5°	74.6	80.1	84.4	87.6	89.4	90.7	91.0	90.7	89.5	86.8	82.3
82°	70.2	76.9	80.2	83.5	85.7	86.6	87.0	86.4	85.0	82.2	77.5
82.5°	65.9	71.3	76.0	79.6	81.3	82.5	82.7	82.4	80.7	77.8	72.8
83°	61.4	67.2	71.9	75.4	77.3	78.5	78.9	78.2	76.6	73.2	68.2
83.5°	57.3	63.2	68.0	71.4	73.7	74.7	75.0	74.2	72.3	68.9	63.8
84°	53.9	59.2	64.1	67.7	70.1	71.0	71.3	70.4	68.4	64.8	59.6
84.5°	49.5	55.6	60.3	63.9	65.7	67.3	67.3	66.5	64.4	60.8	55.3
85°	45.8	51.7	56.6	60.3	62.5	63.7	63.7	62.8	60.5	56.8	51.2
85.5°	42.2	48.1	53.1	56.7	59.0	60.2	60.2	59.1	56.9	53.0	47.4
86°	38.5	44.7	49.6	53.5	55.6	56.8	56.8	55.6	53.2	49.2	43.6
86.5°	35.2	41.2	46.3	49.9	52.3	53.4	53.3	52.5	49.7	45.7	40.3
87°	32.0	38.1	43.1	46.9	49.1	50.2	50.1	49.0	46.3	42.2	36.6
87.5°	29.0	35.0	40.0	43.7	46.1	47.1	47.0	45.7	43.2	39.0	33.2
88°	26.0	32.0	37.0	40.7	43.0	44.0	43.9	42.6	39.9	35.7	30.0
88.5°	23.3	29.2	34.1	37.8	40.1	41.1	41.0	39.7	36.9	32.7	27.1



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	16.7	21.5	26.2	29.9	32.0	33.0	32.8	31.2	28.6	24.4	19.5
90.5°	14.6	19.4	23.9	27.3	29.6	30.5	30.3	28.9	26.0	22.0	17.5
91°	12.6	17.6	21.6	25.0	27.2	28.1	27.9	26.4	23.7	19.7	15.5
91.5°	10.6	15.8	19.5	22.8	25.0	25.8	25.6	24.1	21.4	17.9	13.5
92°	9.0	14.1	17.9	20.8	22.8	23.6	23.4	22.0	19.3	16.1	11.5
92.5°	7.8	12.3	16.2	18.9	20.8	21.7	21.4	19.9	17.7	14.3	9.5
93°	6.7	10.5	14.5	17.3	19.0	19.8	19.5	18.2	16.1	12.5	8.2
93.5°	5.8	9.2	12.9	15.8	17.5	18.1	17.8	16.7	14.4	10.7	7.1
94°	5.1	8.1	11.2	14.3	16.0	16.7	16.4	15.2	12.8	9.4	6.2
94.5°	4.5	7.2	10.0	12.8	14.5	15.3	15.0	13.7	11.2	8.4	5.4
95°	4.1	6.4	9.0	11.3	13.0	13.8	13.6	12.3	10.0	7.4	4.8
95.5°	3.8	5.8	8.1	10.2	11.6	12.4	12.2	10.8	8.9	6.6	4.4
96°	3.6	5.3	7.3	9.2	10.5	11.0	10.8	9.8	8.1	6.0	4.1
96.5°	3.5	4.9	6.7	8.4	9.6	10.1	9.9	8.9	7.4	5.5	3.8
97°	3.4	4.7	6.2	7.7	8.8	9.2	9.0	8.2	6.8	5.2	3.7
97.5°	3.3	4.5	5.9	7.2	8.1	8.5	8.3	7.5	6.3	4.9	3.6
98°	3.2	4.4	5.6	6.7	7.6	7.9	7.7	7.0	6.0	4.7	3.5
98.5°	3.1	4.3	5.4	6.4	7.1	7.4	7.3	6.7	5.7	4.6	3.4
99°	3.1	4.2	5.3	6.2	6.8	7.0	6.9	6.4	5.5	4.5	3.3
99.5°	3.0	4.1	5.2	6.0	6.6	6.8	6.7	6.2	5.4	4.4	3.2
100°	3.0	4.0	5.0	5.9	6.4	6.6	6.5	6.0	5.3	4.2	3.2
100.5°	2.9	3.9	4.9	5.7	6.3	6.5	6.3	5.9	5.1	4.2	3.1
101°	2.9	3.9	4.8	5.6	6.1	6.3	6.2	5.8	5.0	4.1	3.1
101.5°	2.9	3.8	4.7	5.5	6.0	6.2	6.1	5.6	4.9	4.0	3.0
102°	2.9	3.8	4.6	5.4	5.9	6.1	6.0	5.5	4.8	3.9	3.0
102.5°	2.8	3.7	4.6	5.3	5.8	5.9	5.8	5.4	4.7	3.9	3.0
103°	2.8	3.7	4.5	5.2	5.7	5.8	5.7	5.3	4.7	3.8	2.9
103.5°	2.8	3.7	4.4	5.1	5.6	5.7	5.6	5.2	4.6	3.8	2.9
104°	2.8	3.6	4.4	5.0	5.5	5.6	5.5	5.1	4.5	3.8	2.8
104.5°	2.7	3.6	4.3	5.0	5.4	5.5	5.4	5.1	4.5	3.7	2.8
105°	2.7	3.6	4.3	4.9	5.3	5.4	5.4	5.0	4.4	3.7	2.7
105.5°	2.7	3.5	4.3	4.8	5.2	5.4	5.3	4.9	4.4	3.6	2.7
106°	2.7	3.4	4.2	4.8	5.2	5.3	5.2	4.9	4.3	3.6	2.7
106.5°	2.7	3.4	4.2	4.8	5.1	5.2	5.1	4.8	4.3	3.5	2.7
107°	2.7	3.4	4.1	4.7	5.1	5.2	5.1	4.8	4.2	3.5	2.7
107.5°	2.7	3.4	4.1	4.7	5.0	5.1	5.0	4.7	4.2	3.4	2.7
108°	2.7	3.3	4.0	4.6	5.0	5.1	5.0	4.7	4.1	3.4	2.7
108.5°	2.7	3.3	4.0	4.6	4.9	5.0	4.9	4.6	4.0	3.4	2.6
109°	2.7	3.3	3.9	4.5	4.9	5.0	4.9	4.5	4.0	3.4	2.6
109.5°	2.6	3.3	3.9	4.4	4.8	4.9	4.8	4.5	4.0	3.3	2.5
110°	2.6	3.3	3.8	4.4	4.7	4.9	4.8	4.4	3.9	3.3	2.5
110.5°	2.6	3.3	3.8	4.3	4.7	4.8	4.7	4.4	3.9	3.3	2.5
111°	2.6	3.3	3.8	4.3	4.6	4.7	4.6	4.3	3.9	3.3	2.4



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.5	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.5
158°	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.5	2.5
158.5°	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.6
159°	2.3	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.6
159.5°	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.6
160°	2.6	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.6	2.6
160.5°	2.6	2.3	2.4	2.3	2.3	2.3	2.3	2.4	2.5	2.6	2.6
161°	2.6	2.2	2.4	2.4	2.3	2.3	2.3	2.4	2.5	2.6	2.6
161.5°	2.6	2.4	2.4	2.4	2.3	2.3	2.4	2.4	2.5	2.6	2.6
162°	2.4	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.7	2.6
162.5°	2.2	2.6	2.5	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	2.4	2.4	2.5	2.5	2.6	2.7	2.6
163.5°	2.3	2.6	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.7	2.6
164°	2.5	2.6	2.3	2.6	2.5	2.5	2.5	2.6	2.6	2.7	2.6
164.5°	2.5	2.6	2.5	2.6	2.5	2.5	2.6	2.6	2.7	2.7	2.6
165°	2.5	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.6
165.5°	2.5	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.6
166°	2.5	2.0	2.6	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.6
166.5°	2.4	2.4	2.6	2.3	2.6	2.6	2.6	2.7	2.7	2.7	2.6
167°	2.4	2.5	2.6	2.4	2.6	2.6	2.6	2.7	2.7	2.7	2.5
167.5°	2.3	2.5	2.6	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.5
168°	2.2	2.5	2.3	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.5
168.5°	2.1	2.3	2.0	2.6	2.6	2.7	2.6	2.7	2.7	2.6	2.5
169°	1.8	2.3	2.0	2.6	2.6	2.6	2.6	2.7	2.7	2.6	2.5
169.5°	1.7	2.2	2.1	2.6	2.4	2.6	2.6	2.6	2.6	2.6	2.4
170°	1.7	1.9	2.3	2.5	2.4	2.6	2.6	2.6	2.6	2.6	2.3
170.5°	1.6	1.7	2.3	2.4	2.4	2.6	2.6	2.6	2.6	2.5	2.2
171°	1.6	1.7	2.1	2.2	2.5	2.6	2.6	2.6	2.6	2.5	2.2
171.5°	1.6	1.7	1.7	1.9	2.5	2.5	2.6	2.6	2.5	2.5	2.2
172°	1.6	1.7	1.7	1.7	2.3	2.5	2.5	2.5	2.5	2.4	2.2
172.5°	1.6	1.7	1.7	1.7	2.3	2.4	2.5	2.5	2.5	2.4	2.1
173°	1.6	1.6	1.7	1.7	2.3	2.3	2.5	2.5	2.4	2.3	2.1
173.5°	1.6	1.6	1.7	1.7	2.2	2.2	2.4	2.4	2.4	2.2	2.1
174°	1.5	1.6	1.6	1.7	2.0	2.2	2.4	2.4	2.4	2.1	2.0
174.5°	1.6	1.6	1.6	1.6	1.6	2.1	2.3	2.4	2.3	2.1	1.7
175°	1.6	1.6	1.6	1.6	1.6	2.1	2.2	2.3	2.1	2.0	1.5
175.5°	1.6	1.6	1.6	1.6	1.6	1.9	2.0	2.3	2.0	1.9	1.6
176°	1.6	1.6	1.5	1.6	1.6	1.6	2.0	2.2	2.0	1.6	1.5
176.5°	1.6	1.6	1.5	1.5	1.5	1.5	2.0	1.9	1.9	1.5	1.5
177°	1.6	1.5	1.5	1.5	1.5	1.5	1.8	1.7	1.7	1.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.6	1.7	1.5	1.5
178°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
178.5°	1.7	1.6	1.6	1.5	1.5	1.4	1.2	1.4	1.3	1.5	1.5



TEST NUMBER: P563516
CATALOG NUMBER: 2NWS23C3-NUV-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: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	979.9	979.9	979.9	979.9
0.5°	980.5	978.8	975.8	979.9
1°	979.9	979.2	982.1	980.6
1.5°	980.6	978.7	979.6	979.4
2°	979.9	978.7	979.3	979.6
2.5°	980.2	978.0	980.5	979.0
3°	979.3	978.1	978.7	980.1
3.5°	979.5	977.4	978.8	979.3
4°	978.3	976.4	980.0	978.5
4.5°	977.4	977.3	976.7	976.9
5°	977.5	975.8	977.5	976.9
5.5°	976.4	974.9	974.9	975.6
6°	976.1	975.4	976.7	974.7
6.5°	973.8	972.2	974.0	972.4
7°	972.3	971.4	973.0	972.6
7.5°	970.6	970.9	972.3	970.6
8°	969.3	967.7	969.6	968.9
8.5°	968.1	967.0	967.7	967.3
9°	966.7	965.2	965.9	966.3
9.5°	964.4	964.5	965.8	963.0
10°	962.6	961.5	965.2	963.7
10.5°	960.9	959.4	953.8	960.7
11°	958.3	957.9	957.8	957.8
11.5°	956.4	954.2	959.9	957.0
12°	953.9	952.5	960.2	953.1
12.5°	951.1	950.4	947.3	950.3
13°	949.4	947.9	948.3	947.1
13.5°	946.0	945.5	948.6	946.0
14°	943.4	941.3	943.0	941.4
14.5°	940.5	939.4	942.8	938.2
15°	936.8	936.8	940.2	939.5
15.5°	934.1	932.5	929.8	932.5
16°	931.3	929.2	928.7	930.5
16.5°	928.3	926.2	932.3	924.5
17°	924.2	921.5	923.0	924.4
17.5°	920.0	919.0	922.7	919.7
18°	917.2	916.2	918.6	916.6
18.5°	913.7	910.7	912.6	912.5
19°	909.0	909.0	909.1	908.1
19.5°	905.1	903.1	905.1	903.9
20°	901.3	898.8	902.2	900.7
20.5°	897.6	896.0	896.3	895.8
21°	892.8	892.6	894.0	891.9



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	879.4	877.5	884.0	878.6
23°	874.6	873.5	874.8	874.2
23.5°	869.8	869.7	873.0	872.8
24°	864.0	862.7	863.9	865.3
24.5°	859.5	858.7	859.6	871.2
25°	854.2	852.6	853.9	855.6
25.5°	849.1	848.4	849.8	848.1
26°	843.9	841.2	844.7	842.4
26.5°	839.3	839.0	838.6	838.1
27°	833.7	832.9	834.3	831.5
27.5°	828.0	826.4	828.4	825.8
28°	822.3	821.3	822.3	823.2
28.5°	816.2	815.4	817.1	822.4
29°	810.7	809.2	811.5	805.6
29.5°	804.6	804.6	805.4	805.0
30°	798.3	797.4	798.8	796.8
30.5°	792.5	792.4	792.8	792.2
31°	786.5	786.4	787.2	783.8
31.5°	780.1	778.6	781.0	779.9
32°	773.8	774.2	774.6	770.2
32.5°	767.4	768.2	768.6	768.6
33°	761.3	758.9	761.7	759.7
33.5°	754.9	755.0	755.7	752.3
34°	747.7	748.8	749.0	745.3
34.5°	741.1	741.5	742.4	742.3
35°	734.5	734.8	735.6	734.4
35.5°	728.0	728.0	728.1	726.9
36°	720.9	721.3	724.7	720.9
36.5°	714.1	713.4	714.0	713.7
37°	706.9	707.0	708.5	707.1
37.5°	699.8	699.5	700.4	697.9
38°	692.8	692.8	694.4	688.4
38.5°	686.2	686.3	684.9	682.2
39°	678.7	679.7	679.7	675.2
39.5°	671.5	671.1	671.7	672.3
40°	663.7	664.3	666.5	666.4
40.5°	656.7	657.5	658.9	657.5
41°	649.1	650.2	650.8	648.5
41.5°	642.1	643.1	644.1	647.5
42°	635.1	635.5	637.2	634.4
42.5°	627.4	627.0	627.2	626.4
43°	619.6	620.2	622.0	619.3
43.5°	612.2	612.8	613.8	611.7



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	589.2	589.3	590.8	589.5
45.5°	582.0	581.9	583.1	582.2
46°	573.9	574.6	576.3	571.1
46.5°	566.2	567.1	567.9	566.8
47°	558.8	558.5	561.0	559.6
47.5°	550.9	551.8	552.7	550.5
48°	543.4	544.7	545.3	540.9
48.5°	535.6	537.4	537.0	534.5
49°	527.8	528.9	529.5	530.3
49.5°	520.2	521.3	522.4	519.0
50°	512.1	513.4	513.6	513.2
50.5°	504.8	506.4	505.8	506.7
51°	497.0	497.9	498.4	496.9
51.5°	489.6	490.9	490.8	489.0
52°	481.4	482.7	483.5	481.5
52.5°	473.6	475.1	475.2	474.0
53°	466.3	467.2	467.9	465.3
53.5°	458.6	459.9	460.0	458.1
54°	450.5	451.7	452.3	450.5
54.5°	443.0	444.2	444.3	442.2
55°	435.5	436.2	436.8	435.3
55.5°	428.2	428.8	429.6	427.4
56°	419.9	420.9	421.8	419.4
56.5°	412.6	413.2	414.0	411.8
57°	404.8	405.6	406.4	403.1
57.5°	397.1	398.3	397.7	396.1
58°	389.7	390.7	391.0	389.5
58.5°	382.1	383.2	383.1	380.9
59°	374.6	375.3	375.7	374.7
59.5°	366.9	367.7	367.9	365.6
60°	359.5	360.4	360.4	358.4
60.5°	352.1	352.8	352.9	350.5
61°	344.7	345.4	345.7	343.9
61.5°	337.6	337.6	338.4	336.4
62°	329.9	330.7	330.8	328.0
62.5°	322.4	323.0	322.8	320.9
63°	315.0	315.5	315.2	313.2
63.5°	307.8	308.1	308.1	305.9
64°	300.5	300.5	300.0	298.0
64.5°	293.4	293.5	293.1	290.8
65°	286.2	286.6	285.6	283.3
65.5°	279.0	278.8	278.0	276.0
66°	272.0	271.8	271.7	268.8



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	250.8	250.1	249.2	246.5
68°	244.0	242.9	242.0	239.7
68.5°	236.9	236.2	234.8	231.6
69°	230.1	228.6	227.4	224.6
69.5°	223.2	221.9	220.3	217.6
70°	216.3	214.6	213.1	210.8
70.5°	209.6	207.9	206.0	203.2
71°	202.8	201.1	199.0	196.0
71.5°	196.3	194.5	192.2	189.1
72°	189.6	187.2	185.2	182.2
72.5°	182.9	180.8	178.0	175.6
73°	176.5	173.8	171.5	168.6
73.5°	170.1	167.3	164.8	161.7
74°	163.8	161.0	158.2	154.9
74.5°	157.7	154.6	151.6	148.1
75°	151.7	148.3	145.1	141.4
75.5°	145.6	141.9	138.5	134.7
76°	139.5	135.5	131.9	128.3
76.5°	133.4	129.2	125.6	121.4
77°	127.6	123.2	119.3	115.1
77.5°	121.5	117.0	113.2	109.5
78°	115.6	110.9	106.9	102.7
78.5°	109.9	105.0	100.9	96.3
79°	104.1	99.1	94.6	90.8
79.5°	98.4	93.0	88.5	84.7
80°	93.0	87.5	82.8	78.7
80.5°	87.6	81.9	77.0	73.0
81°	82.4	76.4	71.4	67.3
81.5°	77.2	71.2	66.0	62.3
82°	72.1	65.8	60.5	57.3
82.5°	67.1	60.8	55.6	52.3
83°	62.3	55.9	50.5	47.3
83.5°	57.7	51.0	45.6	42.3
84°	53.4	46.6	41.1	37.7
84.5°	48.9	42.2	36.5	33.1
85°	44.9	37.8	32.2	28.9
85.5°	40.9	33.9	28.2	24.9
86°	37.1	30.1	24.3	21.1
86.5°	33.4	26.4	21.2	17.5
87°	30.0	23.0	18.0	14.1
87.5°	26.7	20.3	14.9	11.0
88°	23.6	17.6	11.8	8.0
88.5°	20.7	14.9	8.6	6.4



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	13.9	7.6	3.1	1.8
90.5°	11.6	5.9	2.1	0.3
91°	9.4	4.6	1.4	0.2
91.5°	7.8	3.6	1.0	0.2
92°	6.5	2.8	0.8	0.2
92.5°	5.4	2.3	0.6	0.1
93°	4.5	1.9	0.6	0.1
93.5°	3.9	1.7	0.5	0.1
94°	3.4	1.6	0.5	0.1
94.5°	3.1	1.5	0.5	0.1
95°	2.8	1.5	0.5	0.2
95.5°	2.7	1.4	0.5	0.2
96°	2.6	1.4	0.4	0.2
96.5°	2.5	1.4	0.4	0.2
97°	2.4	1.3	0.4	0.2
97.5°	2.3	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°	2.0	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	1.0	0.7	0.8
104.5°	1.9	1.0	0.7	0.8
105°	1.9	1.0	0.7	0.9
105.5°	1.9	0.9	0.8	0.9
106°	1.9	0.9	0.8	0.9
106.5°	1.8	0.9	0.8	1.0
107°	1.8	1.0	0.8	1.0
107.5°	1.8	0.9	0.9	1.0
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	1.0	1.3
110°	1.5	1.0	1.1	1.4
110.5°	1.5	1.0	1.1	1.4
111°	1.5	1.0	1.1	1.5



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.4	1.1	1.2	1.5
113°	1.4	1.2	1.2	1.6
113.5°	1.3	1.2	1.3	1.6
114°	1.3	1.3	1.3	1.6
114.5°	1.2	1.3	1.4	1.7
115°	1.1	1.3	1.4	1.7
115.5°	1.1	1.3	1.4	1.7
116°	1.0	1.3	1.5	1.7
116.5°	1.1	1.3	1.5	1.7
117°	1.1	1.3	1.5	1.7
117.5°	1.1	1.3	1.5	1.6
118°	1.1	1.3	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°	1.2	1.4	1.5	1.6
120.5°	1.3	1.5	1.6	1.6
121°	1.3	1.5	1.6	1.6
121.5°	1.3	1.5	1.7	1.6
122°	1.4	1.6	1.7	1.7
122.5°	1.4	1.6	1.7	1.7
123°	1.4	1.6	1.7	1.7
123.5°	1.5	1.6	1.7	1.7
124°	1.5	1.7	1.8	1.7
124.5°	1.5	1.7	1.8	1.7
125°	1.6	1.7	1.8	1.7
125.5°	1.6	1.8	1.8	1.7
126°	1.6	1.8	1.8	1.8
126.5°	1.7	1.8	1.8	1.8
127°	1.7	1.8	1.8	1.8
127.5°	1.7	1.8	1.9	1.8
128°	1.7	1.9	1.9	1.8
128.5°	1.8	1.9	1.9	1.8
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°	1.8	1.9	1.9	1.9
131°	1.8	1.9	1.9	1.9
131.5°	1.9	1.9	1.9	1.9
132°	1.9	1.9	1.9	1.9
132.5°	1.9	1.9	2.0	1.9
133°	1.9	2.0	2.0	1.9
133.5°	1.9	2.0	2.0	1.9



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563516

CATALOG NUMBER: 2NWS23C3-NUV-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°	886.9	888.2	876.5	891.7	882.4	880.6	878.4	878.1	875.1	872.5	870.3
22°	882.7	873.0	874.0	886.7	878.0	875.7	873.5	870.9	869.8	867.0	866.4



44°	603.8	603.3	598.3	606.1	594.3	588.2	580.6	574.0	567.2	563.5	561.7
44.5°	597.2	595.5	589.1	598.4	586.7	579.8	572.4	566.0	559.6	555.3	553.9



66.5°	261.0	260.6	257.5	263.1	255.8	251.9	246.6	243.0	239.1	236.7	236.2
67°	253.6	253.3	250.5	254.5	249.0	245.1	240.4	237.0	232.7	230.5	229.8



89°	4.9	5.5	9.3	15.5	21.4	26.9	31.3	34.5	36.1	36.6	35.7
89.5°	3.3	4.1	7.5	13.4	19.1	24.6	28.9	32.0	33.7	34.1	33.3



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	1.6	1.8	1.9	1.8



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



156.5°	2.1	1.9	2.4	2.5	2.4	2.2	2.0	2.0	2.2	2.2	2.2
157°	2.1	1.9	2.4	2.5	2.4	2.2	2.0	2.0	2.1	2.1	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	2.0	1.8	1.6	1.4	1.3	1.1	1.1	1.1





21.5°	869.1	865.0	870.9	867.7	868.1	868.1	867.3	868.8	875.4	864.2	876.7
22°	867.0	865.7	864.6	863.8	863.7	862.0	864.5	863.5	863.1	856.7	875.0



44°	564.6	568.2	572.0	577.2	577.2	576.8	577.7	578.1	580.4	575.3	587.4
44.5°	556.5	561.6	566.4	568.3	570.3	569.7	570.1	570.9	571.3	568.0	579.0



66.5°	237.6	240.1	242.8	244.0	244.6	243.4	242.8	243.7	244.3	244.7	250.8
67°	231.4	233.6	236.3	237.2	237.6	236.5	235.6	236.7	237.2	238.0	244.1



89°	33.9	30.6	26.1	20.5	14.3	8.3	4.3	1.6	3.9	8.5	15.2
89.5°	31.5	28.3	23.9	18.3	12.4	6.7	3.0	0.2	2.6	6.8	12.8



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



134°	2.1	2.1	2.3	3.0	2.4	2.0	2.2	1.9	1.9	1.9	2.3
134.5°	2.1	2.2	2.3	3.1	2.4	2.0	2.2	1.9	1.9	2.0	2.4



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



179°	1.3	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°	872.3	871.9	874.1	876.3	876.2	877.2	878.1	879.1	883.7	886.7	885.3
22°	866.8	867.8	869.5	874.7	872.9	877.6	874.0	875.1	879.4	881.9	882.6



44°	579.7	577.8	575.1	574.5	570.8	571.7	573.8	580.2	588.3	595.9	600.4
44.5°	572.4	570.5	567.5	565.8	561.3	562.7	566.4	573.0	581.1	588.2	593.3



66.5°	248.9	248.3	247.1	245.9	245.4	245.7	247.7	251.5	256.2	260.2	263.8
67°	242.5	241.5	240.6	240.5	239.0	239.8	241.4	244.9	249.6	253.6	256.9



89°	20.8	26.4	31.4	35.1	37.3	38.3	38.1	36.7	33.9	29.8	24.3
89.5°	18.7	24.1	28.7	32.3	34.6	35.6	35.4	34.0	31.3	27.1	21.6



111.5°	2.5	3.2	3.8	4.3	4.6	4.6	4.6	4.3	3.8	3.2	2.4
112°	2.5	3.2	3.8	4.2	4.5	4.6	4.5	4.2	3.8	3.2	2.4



134°	2.3	1.9	1.8	1.6	1.6	1.5	1.5	1.6	1.7	1.8	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	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.5



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





21.5°	888.4	887.0	890.1	886.9
22°	883.5	883.7	883.8	882.7



44°	604.5	605.2	604.9	603.8
44.5°	597.2	598.2	598.2	597.2



66.5°	264.9	264.8	263.6	261.0
67°	257.9	257.3	256.3	253.6



89°	18.5	12.2	6.4	4.9
89.5°	16.2	9.5	4.5	3.3



111.5°	1.5	1.1	1.2	1.5
112°	1.4	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	2.0	2.1
157°	2.7	2.6	2.0	2.1



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



(END OF REPORT)