

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: P563518

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563518
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-5000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

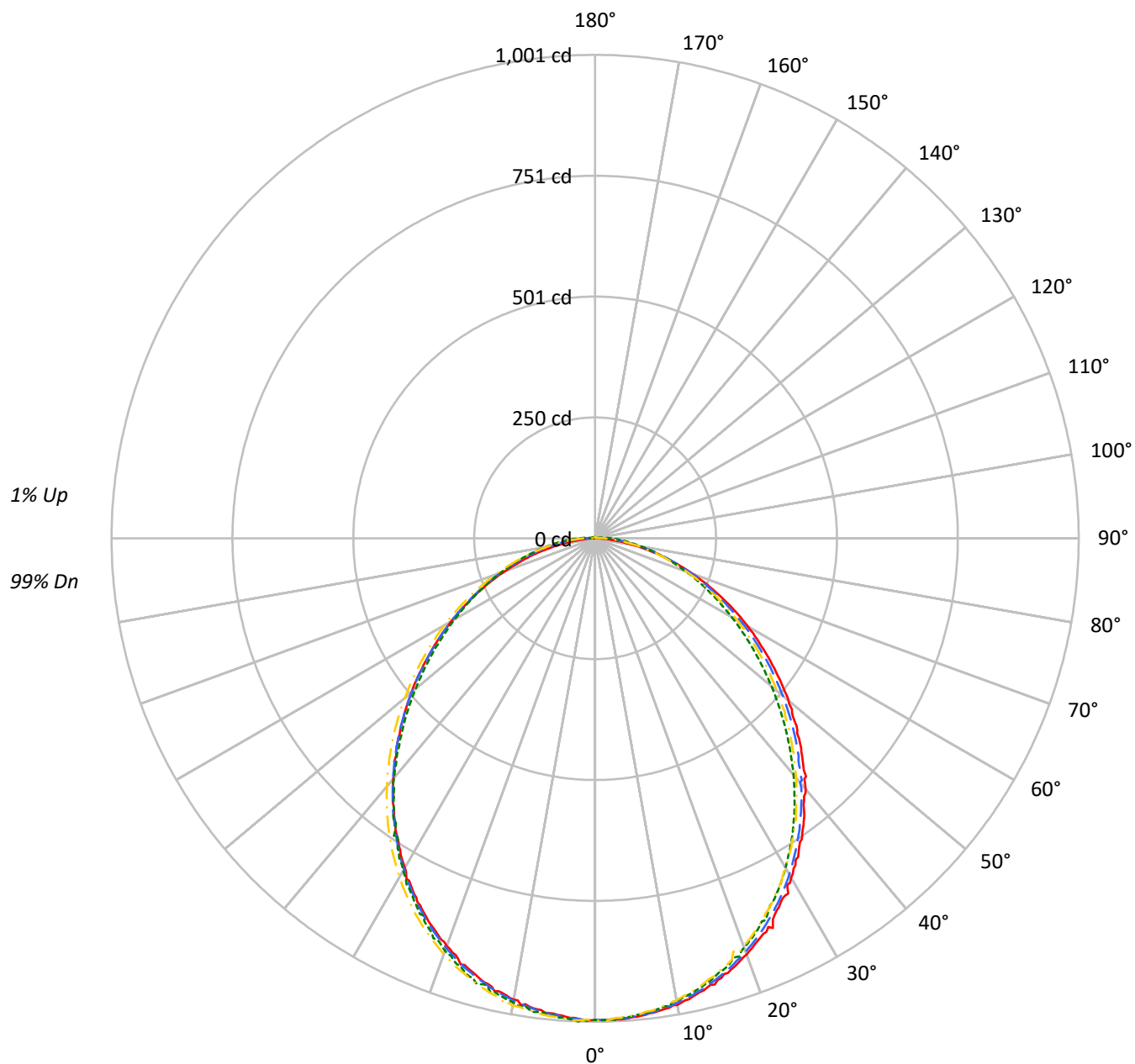
Lumens per Lamp: N/A
Luminaire Lumens: 2536.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

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°	12128	12128	12128	12128
5°	12094	11896	12013	11906
10°	12023	11615	11887	11664
15°	11905	11303	11700	11431
20°	11687	10925	11452	11005
25°	11463	10481	11158	10595
30°	11121	9985	10804	10069
35°	10783	9400	10385	9428
40°	10405	8758	9973	8866
45°	9908	8067	9450	8186
50°	9416	7365	8939	7502
55°	8868	6667	8390	6828
60°	8277	5989	7812	6158
65°	7618	5330	7114	5523
70°	6850	4671	6327	4880
75°	5853	3993	5381	4245
80°	4539	3285	4024	3573
85°	2791	2672	2261	2876



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	3.7
10°-20°	266.7	10.5
20°-30°	394.4	15.6
30°-40°	455.8	18.0
40°-50°	445.4	17.6
50°-60°	376.6	14.9
60°-70°	272.4	10.7
70°-80°	155.2	6.1
80°-90°	54.4	2.1
90°-100°	8.9	0.4
100°-110°	2.8	0.1
110°-120°	2.2	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°	755.3	29.8
0°-40°	1211.1	47.8
0°-60°	2033.2	80.2
0°-90°	2515.2	99.2
90°-120°	13.8	0.5
90°-150°	18.9	0.7
90°-180°	21.0	0.8
0°-180°	2536.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	998	998	998	998	998	
5°	995	991	988	992	995	94
15°	956	943	940	954	956	269
25°	871	850	848	859	871	401
35°	748	716	720	719	748	467
45°	600	557	572	565	600	463
55°	443	399	419	408	443	396
65°	288	260	269	269	288	286
75°	144	144	132	154	144	153
85°	30	60	24	65	30	35
90°	2	32	0	34	2	2
95°	0	15	0	14	0	0
105°	1	4	1	6	1	1
115°	2	2	2	4	2	2
125°	2	2	2	3	2	2
135°	2	2	2	2	2	2
145°	2	3	2	2	2	1
155°	2	3	2	3	2	1
165°	2	2	2	3	2	1
175°	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°	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6
0.5°	997.7	1001.3	990.5	1010.4	997.6	997.3	997.8	1000.1	996.6	998.3	996.6
1°	998.3	999.8	989.7	1005.5	997.2	997.5	997.4	1001.2	998.4	997.5	996.0
1.5°	997.1	999.2	989.1	1012.3	996.8	997.4	997.0	1001.6	999.2	997.9	995.6
2°	997.3	996.9	988.7	1009.1	997.1	996.3	997.9	998.5	997.1	996.8	997.5
2.5°	996.7	995.2	988.7	1004.7	998.8	996.2	996.3	996.4	996.7	998.3	994.5
3°	997.8	997.0	988.7	1005.3	996.3	996.4	996.2	1001.3	994.8	994.8	994.1
3.5°	997.0	994.2	987.5	1004.2	996.0	994.8	995.2	999.2	995.8	994.4	993.0
4°	996.2	1000.7	992.6	1008.8	995.2	994.7	994.2	994.9	994.0	993.9	993.0
4.5°	994.6	996.2	987.1	1005.2	994.8	993.3	992.8	995.5	993.5	992.2	992.7
5°	994.6	997.5	985.5	1001.6	993.9	992.3	993.0	993.0	992.0	990.8	989.4
5.5°	993.3	992.7	986.2	1003.3	991.7	990.6	991.1	993.3	991.5	990.0	988.0
6°	992.3	996.1	983.8	998.0	990.7	990.4	990.5	987.6	989.8	988.2	987.6
6.5°	990.0	986.1	982.6	999.4	990.5	989.2	988.7	991.2	989.5	987.3	984.5
7°	990.2	993.1	981.0	998.7	988.9	987.2	987.2	998.2	988.3	985.3	984.7
7.5°	988.2	987.6	983.9	998.2	987.1	985.8	985.6	982.1	985.9	983.8	982.2
8°	986.4	986.8	978.5	996.9	984.7	983.7	983.5	986.0	982.8	982.0	978.8
8.5°	984.8	986.4	975.8	994.7	983.6	982.2	981.0	981.0	982.7	979.7	977.9
9°	983.8	989.4	975.9	991.1	981.4	980.6	979.8	981.0	979.0	980.8	974.9
9.5°	980.4	981.5	972.6	986.9	979.5	978.8	978.0	979.5	976.4	973.7	974.2
10°	981.1	980.3	971.0	989.2	977.0	976.5	975.9	974.9	977.0	972.0	972.4
10.5°	978.1	977.1	968.9	984.9	974.8	974.4	973.2	971.5	971.3	970.1	969.9
11°	975.1	973.6	968.7	984.0	974.2	971.3	971.1	972.0	970.8	968.3	967.2
11.5°	974.3	972.3	964.7	978.1	970.5	968.6	968.2	968.1	967.1	965.3	964.6
12°	970.3	970.3	963.1	976.5	968.2	966.7	966.0	965.2	961.7	962.8	960.8
12.5°	967.4	966.7	959.0	975.3	965.0	963.7	962.6	964.8	961.1	959.4	957.6
13°	964.2	966.7	963.6	970.3	962.5	961.2	960.3	958.5	958.3	957.1	954.9
13.5°	963.1	962.1	954.5	976.7	960.4	957.9	957.1	956.0	955.8	953.8	951.7
14°	958.4	960.1	952.6	968.2	956.0	954.8	953.8	954.7	953.1	950.0	948.2
14.5°	955.2	957.4	913.2	965.8	952.8	951.7	950.4	957.6	948.1	947.3	944.2
15°	956.4	952.7	942.4	955.7	950.6	948.3	947.4	948.3	946.6	943.2	941.2
15.5°	949.3	943.4	942.4	961.7	946.7	945.0	943.5	941.8	944.8	938.6	938.3
16°	947.3	948.2	938.6	948.2	942.3	941.6	940.3	939.7	937.4	934.3	934.7
16.5°	941.2	944.0	934.1	952.8	939.9	938.1	935.9	935.1	933.8	932.4	930.7
17°	941.1	939.1	955.4	947.8	936.3	934.3	933.1	932.1	929.3	929.3	925.9
17.5°	936.3	935.8	927.4	945.4	932.1	930.4	928.6	930.5	930.8	924.7	922.0
18°	933.1	932.5	921.9	940.5	928.0	927.0	925.4	925.2	922.5	917.6	918.1
18.5°	928.9	929.9	920.8	935.8	923.5	922.1	921.3	921.2	918.2	914.7	914.0
19°	924.5	925.5	918.8	931.7	920.5	918.3	917.3	917.7	914.0	916.3	909.3
19.5°	920.2	922.9	915.3	928.0	917.4	914.1	912.5	911.2	910.0	906.5	905.3
20°	917.0	914.1	910.0	924.0	912.4	909.5	908.3	905.7	905.1	902.1	900.6
20.5°	912.0	910.6	904.5	919.2	907.7	905.3	903.7	904.9	901.8	897.3	896.7
21°	908.1	907.2	899.2	914.1	903.3	900.8	899.6	898.7	896.5	892.3	890.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	894.5	898.4	885.6	899.1	889.2	886.5	885.7	886.2	881.3	878.1	876.0
23°	890.0	887.3	882.3	898.7	884.1	881.7	880.3	876.5	874.9	871.8	869.9
23.5°	888.5	887.8	875.4	893.6	879.2	877.1	876.7	875.9	870.2	865.2	864.9
24°	881.0	878.7	873.5	887.0	874.0	871.2	876.0	867.3	864.7	866.0	859.8
24.5°	886.9	874.3	865.0	877.2	868.7	866.1	864.2	862.8	859.1	858.4	853.6
25°	871.1	868.5	863.6	876.4	863.4	861.0	858.0	854.4	852.9	849.7	849.1
25.5°	863.5	862.7	854.4	874.2	858.3	855.1	852.3	853.9	848.0	841.5	843.2
26°	857.6	856.6	850.1	863.2	852.5	849.5	847.6	850.2	841.9	838.4	837.5
26.5°	853.2	852.8	843.3	858.0	847.6	843.7	842.3	838.0	835.5	832.7	829.2
27°	846.5	846.4	834.5	850.9	841.6	838.5	835.3	832.9	830.3	826.4	825.1
27.5°	840.7	840.0	831.2	846.3	835.8	832.7	829.1	827.9	825.8	820.5	818.6
28°	838.1	835.4	825.4	840.3	829.5	826.9	823.8	822.5	816.8	814.3	812.0
28.5°	837.3	831.9	823.5	835.5	823.4	820.3	817.9	816.6	810.6	808.0	806.0
29°	820.2	822.7	815.2	827.6	817.5	814.1	812.1	807.6	805.0	801.1	799.1
29.5°	819.6	819.2	809.3	822.9	811.9	808.1	803.6	801.6	798.0	794.8	792.6
30°	811.2	807.9	800.5	818.5	805.6	802.1	797.9	799.8	791.8	788.3	786.2
30.5°	806.5	814.1	797.2	810.8	799.4	796.0	791.9	788.7	785.6	781.3	779.3
31°	797.9	800.1	789.6	802.8	792.8	789.3	785.5	781.6	778.3	774.3	773.0
31.5°	794.0	791.9	792.1	798.6	786.1	782.4	778.7	776.5	771.0	767.2	765.4
32°	784.1	786.1	778.6	796.8	779.6	775.9	771.5	768.2	764.1	760.4	757.9
32.5°	782.5	780.0	767.9	781.7	773.2	769.2	765.0	761.6	756.6	752.9	752.2
33°	773.4	773.9	766.4	777.4	766.7	762.7	758.0	754.2	749.0	746.1	744.2
33.5°	765.9	766.7	758.6	772.6	759.8	755.8	751.2	745.2	742.6	739.1	737.2
34°	758.8	758.0	753.3	773.5	752.9	748.7	743.6	742.9	735.2	732.1	728.5
34.5°	755.8	753.2	746.8	758.0	745.9	741.3	736.4	732.4	726.6	724.1	722.0
35°	747.7	746.1	738.2	752.1	739.4	735.0	729.3	725.2	721.1	716.5	714.2
35.5°	740.0	739.9	731.7	743.8	732.0	727.6	722.0	717.9	712.2	709.0	706.9
36°	733.9	732.3	724.9	735.4	725.3	720.8	714.4	709.4	704.4	701.3	700.1
36.5°	726.6	725.1	718.2	729.3	717.8	712.8	706.5	707.3	699.2	693.7	692.3
37°	719.9	717.8	711.6	723.2	711.4	705.8	700.2	693.5	691.3	686.2	684.1
37.5°	710.5	711.8	703.9	712.9	703.2	698.3	692.2	688.3	682.3	677.9	677.3
38°	700.9	704.1	696.9	706.9	695.9	691.6	684.5	679.2	675.0	670.1	668.7
38.5°	694.5	696.3	690.7	700.7	689.2	683.6	677.5	671.3	666.4	662.5	661.5
39°	687.4	689.1	682.6	694.6	681.9	675.8	667.9	666.5	658.1	654.5	652.5
39.5°	684.4	681.9	675.4	686.3	674.2	668.4	663.5	656.2	651.3	646.6	645.2
40°	678.5	674.9	668.1	670.3	658.7	661.0	655.2	647.1	642.8	638.7	637.0
40.5°	669.4	667.4	661.1	669.7	665.4	652.9	646.5	640.7	634.2	630.4	629.0
41°	660.2	659.9	653.1	663.0	649.3	645.4	638.1	635.7	628.6	622.2	621.0
41.5°	659.2	651.8	645.7	655.5	644.0	637.7	631.1	624.3	619.6	614.1	613.2
42°	645.9	644.2	638.1	647.8	632.1	629.8	622.6	618.3	610.7	606.0	604.4
42.5°	637.7	637.5	630.4	639.2	624.0	622.3	614.8	609.4	602.2	598.3	596.9
43°	630.5	629.9	623.2	635.6	620.3	614.6	606.9	600.8	594.1	590.0	588.7
43.5°	622.8	622.4	616.2	623.4	612.6	606.2	599.0	592.9	586.3	581.5	580.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	600.2	599.5	592.5	600.3	589.1	583.1	574.9	567.4	561.1	557.2	556.6
45.5°	592.7	591.6	584.9	592.6	581.5	575.3	567.1	558.4	553.5	549.1	548.5
46°	581.5	583.5	577.1	584.8	573.8	567.2	559.4	552.3	544.9	540.8	539.9
46.5°	577.1	575.5	569.2	577.2	565.7	558.9	551.0	544.2	537.0	532.7	531.7
47°	569.7	567.9	562.7	569.6	558.0	551.3	542.6	536.9	529.0	525.2	524.8
47.5°	560.4	559.8	552.3	561.1	550.0	543.0	534.6	528.5	520.5	516.6	515.7
48°	550.7	550.9	546.6	553.6	542.7	534.9	527.0	520.1	513.3	508.6	507.9
48.5°	544.2	545.2	538.2	545.7	534.2	526.9	518.8	512.4	503.9	500.2	499.3
49°	539.9	537.1	531.5	537.2	526.6	519.2	510.4	503.3	496.6	492.6	492.3
49.5°	528.4	527.2	522.9	528.9	518.4	511.4	503.4	494.6	488.4	484.4	482.8
50°	522.5	523.0	515.5	522.0	510.6	503.6	494.8	487.4	480.3	476.4	476.1
50.5°	515.9	512.1	506.6	513.5	502.7	494.8	486.7	480.2	472.3	468.4	466.7
51°	505.8	505.5	499.6	505.5	495.1	487.5	478.6	470.7	464.8	460.6	460.3
51.5°	497.8	496.3	491.6	497.2	486.9	479.2	470.7	463.9	456.4	452.5	451.8
52°	490.2	488.4	484.4	488.8	479.0	471.5	463.0	451.8	448.8	444.8	444.2
52.5°	482.6	481.9	476.7	481.5	471.4	463.8	455.1	447.5	441.0	437.1	435.8
53°	473.7	473.6	467.4	473.7	463.0	455.8	447.2	440.0	433.2	429.4	428.1
53.5°	466.3	466.2	458.3	466.4	455.6	448.1	439.5	432.0	425.3	421.7	420.7
54°	458.7	458.0	453.4	458.2	448.0	440.1	431.2	424.8	417.9	413.8	412.7
54.5°	450.2	449.3	444.8	450.0	439.4	432.6	423.7	420.1	410.4	406.4	406.1
55°	443.2	441.9	436.6	442.7	431.8	424.4	416.0	408.4	402.4	398.8	397.7
55.5°	435.1	434.6	431.2	432.7	424.2	417.0	408.1	401.2	395.1	391.2	390.8
56°	427.0	426.5	421.9	426.0	416.5	409.2	401.7	393.8	387.7	383.8	383.4
56.5°	419.2	417.9	417.1	418.0	408.5	401.6	393.5	385.8	380.2	376.3	376.1
57°	410.4	410.1	407.0	410.8	400.8	393.8	385.3	378.3	373.1	369.3	369.9
57.5°	403.3	401.9	398.7	404.6	393.2	386.2	378.4	370.8	365.3	361.8	360.4
58°	396.6	395.4	390.6	394.6	385.6	379.1	370.6	365.3	358.0	354.5	354.6
58.5°	387.8	386.6	382.5	386.9	377.9	371.2	363.1	356.2	351.2	347.6	347.2
59°	381.5	378.6	375.1	379.0	370.5	364.1	356.1	349.5	343.9	340.6	339.9
59.5°	372.3	372.2	367.3	371.8	362.9	356.1	348.9	342.1	336.7	333.2	333.0
60°	364.9	364.8	359.7	363.6	355.0	348.8	341.6	335.5	328.9	326.3	326.0
60.5°	356.9	356.7	352.1	356.1	347.7	341.5	333.9	328.2	322.4	319.6	319.0
61°	350.1	349.1	344.2	348.6	340.4	334.0	327.1	321.5	316.1	312.4	311.7
61.5°	342.5	340.8	336.5	341.2	333.0	326.8	319.6	314.3	309.0	305.7	305.6
62°	333.9	332.7	330.1	332.9	325.3	319.7	312.8	306.6	301.7	299.0	299.2
62.5°	326.7	325.9	321.5	325.2	318.2	312.3	305.7	299.9	295.9	292.5	291.2
63°	318.9	317.6	317.0	317.9	310.5	305.4	298.5	297.5	287.8	285.8	285.5
63.5°	311.4	310.2	308.3	310.3	303.5	298.1	292.1	286.9	282.0	279.1	278.9
64°	303.4	301.8	299.2	302.8	295.3	291.2	285.0	280.3	275.4	272.6	272.1
64.5°	296.1	295.1	292.2	295.5	289.2	284.3	278.4	272.6	268.9	266.5	266.1
65°	288.4	287.8	284.9	288.8	277.5	277.3	271.3	266.7	262.3	259.8	259.4
65.5°	280.9	280.0	277.1	280.7	274.3	270.4	264.5	260.4	256.1	253.5	253.0
66°	273.7	273.0	269.5	273.3	267.7	263.4	257.9	253.9	249.2	247.2	246.4



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	251.0	251.0	248.7	251.2	246.7	242.8	238.0	234.6	230.6	228.7	227.9
68°	244.0	243.0	241.6	244.2	239.5	236.3	231.8	228.6	224.7	222.5	222.2
68.5°	235.8	235.1	234.1	236.7	232.8	229.6	225.6	222.3	218.9	216.8	215.8
69°	228.7	228.3	226.9	229.8	226.0	223.0	220.0	216.2	212.5	210.9	210.3
69.5°	221.5	221.2	218.5	224.5	219.2	216.4	212.9	209.9	206.7	204.8	204.0
70°	214.7	214.0	211.0	215.7	212.3	210.1	206.9	204.1	201.6	199.1	198.4
70.5°	206.9	206.9	205.1	208.9	205.7	203.6	200.6	197.8	195.2	193.2	192.6
71°	199.5	199.3	198.1	201.6	199.1	197.2	194.6	192.1	189.5	187.8	186.8
71.5°	192.5	193.1	190.9	195.2	192.6	190.8	188.6	186.4	183.8	182.2	181.9
72°	185.5	185.7	184.8	188.7	186.0	184.9	182.6	180.4	178.3	176.6	176.7
72.5°	178.8	178.7	177.6	181.4	179.5	178.6	176.5	174.9	172.3	171.1	170.8
73°	171.7	171.6	170.7	174.8	173.3	172.4	170.9	169.2	167.1	165.5	164.8
73.5°	164.6	164.0	163.9	168.2	166.9	166.5	164.9	163.5	161.6	160.3	159.5
74°	157.7	157.8	157.0	161.3	160.6	160.3	159.4	158.3	156.3	154.9	154.1
74.5°	150.8	150.6	150.4	154.8	154.4	154.6	153.6	152.3	150.9	149.7	148.8
75°	143.9	144.0	143.9	148.3	148.4	148.8	147.9	147.1	145.9	144.5	143.8
75.5°	137.1	137.1	138.1	144.0	142.4	142.8	142.3	141.7	140.7	139.2	138.5
76°	130.6	131.0	130.6	135.7	136.2	137.2	136.6	136.8	135.5	134.9	133.5
76.5°	123.6	124.3	124.7	129.8	130.3	131.5	131.7	131.3	130.5	129.5	128.5
77°	117.2	117.6	118.4	122.7	124.5	126.0	126.2	126.3	125.4	124.5	123.6
77.5°	111.4	111.0	112.6	117.3	118.9	120.3	120.5	120.8	120.5	119.6	118.7
78°	104.6	105.3	106.0	111.4	113.3	115.0	116.3	116.3	115.6	114.9	114.0
78.5°	98.0	98.6	100.2	105.6	107.6	109.8	110.8	111.5	111.0	110.3	109.4
79°	92.5	92.3	94.4	99.5	102.2	104.6	105.7	106.5	106.3	105.8	104.9
79.5°	86.2	86.1	88.0	94.1	96.7	99.3	100.8	101.8	101.7	101.1	100.2
80°	80.1	80.5	82.7	88.6	91.4	94.5	96.0	97.3	97.5	96.8	96.0
80.5°	74.3	74.8	77.3	83.0	86.3	89.4	91.3	92.9	93.1	92.6	91.6
81°	68.6	69.1	71.8	77.7	81.3	84.6	87.7	88.4	89.1	88.5	87.6
81.5°	63.4	64.0	66.8	72.6	76.2	79.9	82.8	84.2	84.7	84.4	83.7
82°	58.3	59.0	62.0	67.4	71.4	75.4	78.4	80.1	80.7	80.5	79.6
82.5°	53.2	54.0	57.2	62.8	66.4	70.9	74.1	76.3	76.9	76.7	75.5
83°	48.1	49.0	52.4	58.3	62.3	66.2	69.8	72.1	73.0	72.9	72.1
83.5°	43.0	44.0	47.7	53.8	58.3	62.6	66.2	68.4	69.4	69.3	68.6
84°	38.4	39.6	42.9	49.3	54.3	59.0	62.7	65.1	66.1	66.8	65.4
84.5°	33.7	34.8	38.5	44.8	50.3	55.3	59.3	61.8	62.9	63.5	62.2
85°	29.5	30.5	34.2	40.7	46.3	51.7	55.8	58.5	59.7	60.2	59.1
85.5°	25.3	26.4	30.2	36.8	42.7	48.1	52.4	55.2	56.4	56.9	55.9
86°	21.5	22.5	26.4	33.1	39.2	44.8	49.0	51.9	53.2	53.6	52.7
86.5°	17.8	18.8	22.9	29.7	35.8	41.5	45.8	48.8	50.2	50.5	49.7
87°	14.4	15.4	19.6	26.4	32.7	38.4	42.7	45.8	47.3	47.7	46.8
87.5°	11.2	12.3	16.7	23.4	29.7	35.4	39.9	42.9	44.6	44.9	44.0
88°	8.2	9.5	13.9	20.6	26.9	32.6	37.0	40.2	41.7	42.2	41.4
88.5°	6.5	7.0	11.6	18.1	24.2	29.9	34.4	37.6	39.2	39.7	38.9



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.8	2.8	6.6	11.7	17.4	22.8	27.1	30.4	32.1	32.5	31.8
90.5°	0.3	1.5	5.5	10.1	15.5	20.7	25.1	28.1	29.9	30.4	29.7
91°	0.2	1.0	4.5	8.6	13.8	18.8	23.0	26.1	27.9	28.4	27.6
91.5°	0.2	0.7	3.4	7.2	12.1	17.0	21.0	24.1	25.8	26.3	25.6
92°	0.2	0.5	2.4	6.3	10.7	15.3	19.3	22.2	23.9	24.5	24.0
92.5°	0.2	0.4	1.8	5.4	9.3	13.7	17.5	20.5	22.2	22.7	22.1
93°	0.1	0.4	1.5	4.5	8.1	12.3	16.0	18.8	20.5	21.0	20.3
93.5°	0.1	0.3	1.2	3.6	7.1	11.0	14.6	17.3	18.8	19.4	18.9
94°	0.1	0.3	1.0	3.0	6.4	9.9	13.2	15.8	17.5	18.0	17.3
94.5°	0.1	0.3	0.9	2.6	5.6	8.8	12.0	14.5	16.1	16.6	16.0
95°	0.2	0.3	0.8	2.2	4.8	7.8	10.8	13.4	14.7	15.2	14.7
95.5°	0.2	0.3	0.7	2.0	4.1	6.9	9.8	12.1	13.5	14.0	13.5
96°	0.2	0.3	0.6	1.8	3.6	6.3	8.8	11.0	12.4	12.8	12.3
96.5°	0.2	0.3	0.6	1.6	3.2	5.7	7.9	10.0	11.3	11.8	11.4
97°	0.2	0.3	0.5	1.5	2.9	5.0	7.1	9.1	10.4	10.8	10.4
97.5°	0.3	0.3	0.5	1.3	2.6	4.4	6.6	8.3	9.5	9.9	9.6
98°	0.3	0.4	0.5	1.2	2.4	4.0	6.0	7.6	8.7	9.1	8.8
98.5°	0.3	0.4	0.5	1.1	2.2	3.7	5.5	7.0	8.0	8.3	8.0
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	2.0	3.2	4.6	6.0	6.8	7.0	6.8
100°	0.5	0.5	0.5	0.9	1.8	3.0	4.2	5.6	6.4	6.6	6.3
100.5°	0.5	0.6	0.6	0.9	1.7	2.8	4.0	5.1	5.9	6.1	5.9
101°	0.5	0.6	0.6	0.9	1.6	2.7	3.8	4.8	5.4	5.7	5.4
101.5°	0.6	0.7	0.6	0.8	1.5	2.5	3.6	4.6	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	4.6
103°	0.7	0.8	0.7	0.8	1.3	2.1	3.0	3.9	4.3	4.5	4.4
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	3.8	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	3.0	3.4	3.6	3.4
106°	0.9	1.3	0.8	1.1	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	1.2	1.1	1.4	1.9	2.4	2.8	2.9	2.8
108°	1.1	1.2	1.0	1.1	1.2	1.4	1.8	2.3	2.7	2.8	2.7
108.5°	1.2	1.3	1.1	1.1	1.2	1.4	1.8	2.2	2.5	2.7	2.6
109°	1.3	1.4	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	1.4	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°	1.5	1.4	1.2	1.1	1.3	1.4	1.5	1.9	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: P563518

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

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	1.7
114.5°	1.7	1.5	1.4	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°	1.8	1.7	1.5	1.2	1.3	1.7	1.7	1.7	1.7	1.6	1.7
116°	1.8	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	1.8	1.8	1.7	1.7	1.7
117°	1.7	1.8	1.8	1.3	1.4	1.4	1.8	1.8	1.8	1.7	1.8
117.5°	1.7	1.8	1.9	1.3	1.5	1.4	1.8	1.9	1.8	1.8	1.8
118°	1.6	1.8	2.0	1.4	1.5	1.4	1.9	1.9	1.8	1.8	1.9
118.5°	1.6	1.8	2.0	1.4	1.5	1.4	1.9	1.9	1.9	1.9	1.9
119°	1.6	1.8	2.0	1.4	1.6	1.5	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	1.6	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	1.6	1.5	2.0	2.0	1.9	2.0
121°	1.7	1.9	1.9	1.7	1.7	1.6	1.5	1.9	2.0	2.0	2.0
121.5°	1.7	1.9	1.9	1.7	1.7	1.6	1.5	1.7	2.1	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	1.6	1.5	1.8	2.0	1.9
123°	1.7	1.9	2.0	1.8	1.8	1.7	1.6	1.5	1.7	1.8	1.7
123.5°	1.7	1.9	2.1	1.9	1.8	1.7	1.6	1.5	1.6	1.6	1.6
124°	1.7	1.9	2.1	1.9	1.9	1.8	1.6	1.5	1.5	1.5	1.5
124.5°	1.8	1.9	2.2	2.0	1.9	1.8	1.7	1.6	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	1.9	1.7	1.6	1.5	1.5	1.6
126°	1.8	2.0	2.1	2.3	2.0	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	1.6	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	2.0	1.9	1.7	1.7	1.6	1.7
128°	1.8	2.0	2.0	2.5	2.1	2.0	1.9	1.8	1.7	1.6	1.7
128.5°	1.9	2.0	2.0	2.5	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	2.1	1.9	1.9	1.8	1.7	1.8
130°	1.9	2.0	1.8	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8
130.5°	1.9	1.9	1.9	2.3	2.3	2.1	2.0	1.9	1.9	1.8	1.9
131°	1.9	2.0	1.9	2.3	2.3	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	2.0	1.9	1.9	1.9
132°	1.9	2.0	1.9	2.3	2.5	2.2	2.1	2.0	1.9	1.9	1.9
132.5°	2.0	2.1	1.9	2.3	2.7	2.2	2.1	2.0	2.0	1.9	2.0
133°	2.0	2.1	2.0	2.4	2.8	2.3	2.1	2.0	2.0	2.0	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: P563518

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.0	2.1	2.1	2.4	3.1	2.4	2.2	2.1	2.1	2.0	2.1
135.5°	2.0	2.1	2.1	2.4	3.1	2.5	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	2.4	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	2.3	2.2	2.3
138.5°	2.0	2.1	2.3	2.2	2.7	3.3	2.5	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	3.4	2.7	2.4	2.4	2.3	2.4
140.5°	2.1	2.1	2.4	2.1	2.8	3.3	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°	2.2	2.1	2.4	2.1	2.8	3.0	3.4	2.7	2.5	2.5	2.5
142.5°	2.2	2.1	2.4	2.1	2.8	2.9	3.5	2.8	2.6	2.5	2.6
143°	2.2	2.2	2.4	2.1	2.7	2.8	3.5	2.9	2.6	2.5	2.6
143.5°	2.2	2.2	2.5	2.2	2.6	2.8	3.4	3.1	2.7	2.6	2.7
144°	2.2	2.2	2.5	2.2	2.5	2.8	3.3	3.3	2.9	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	2.3	2.4	2.9	3.1	3.6	3.2	3.0	3.2
145.5°	2.2	2.2	2.6	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	3.6	3.4	3.5
146.5°	2.2	2.2	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	2.2	2.8	2.9	3.2	3.5	3.6	3.5
147.5°	2.2	2.1	2.6	2.4	2.1	2.8	2.9	3.0	3.4	3.5	3.4
148°	2.2	2.0	2.6	2.4	2.1	2.7	2.9	3.0	3.2	3.3	3.3
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	2.1	2.5	2.4	2.1	2.4	2.9	2.9	2.9	2.9	3.0
150°	2.1	2.1	2.5	2.5	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	3.0	2.9	2.8	2.9
151°	2.1	2.1	2.5	2.5	2.2	2.2	2.7	3.0	2.9	2.8	2.9
151.5°	2.2	2.0	2.5	2.5	2.2	2.1	2.6	3.0	3.0	2.9	2.9
152°	2.1	2.0	2.5	2.5	2.2	2.1	2.5	2.9	3.0	2.9	2.9
152.5°	2.1	2.0	2.5	2.5	2.2	2.1	2.4	2.8	3.0	2.9	2.9
153°	2.1	2.0	2.5	2.5	2.3	2.1	2.3	2.7	2.9	2.9	2.9
153.5°	2.1	2.0	2.5	2.5	2.3	2.1	2.2	2.6	2.8	2.9	2.8
154°	2.1	2.0	2.5	2.6	2.3	2.1	2.1	2.5	2.7	2.8	2.7
154.5°	2.1	2.0	2.5	2.6	2.3	2.1	2.1	2.4	2.6	2.7	2.7
155°	2.1	2.0	2.4	2.5	2.4	2.1	2.1	2.3	2.5	2.6	2.5
155.5°	2.2	2.0	2.4	2.5	2.4	2.2	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: P563518

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.1	2.0	2.4	2.5	2.5	2.3	2.1	2.0	2.0	2.1	2.1
158°	2.1	2.0	2.4	2.5	2.5	2.3	2.1	2.0	2.0	2.0	2.0
158.5°	2.1	2.0	2.3	2.5	2.5	2.3	2.2	2.1	2.0	2.0	2.0
159°	2.1	2.0	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	2.5	2.3	2.3	2.1	2.1	2.1
162°	2.0	1.9	2.3	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2
162.5°	1.9	1.9	2.3	2.5	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	2.3	2.4	2.5	2.5	2.5	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	2.5	2.4	2.4	2.4
166°	1.8	1.8	2.1	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4
166.5°	1.8	1.8	2.0	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
167°	1.7	1.7	1.9	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
167.5°	1.5	1.5	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	1.8	2.1	2.4	2.5	2.5	2.5	2.5	2.5	2.5
169°	1.4	1.5	1.5	2.1	2.2	2.5	2.5	2.5	2.5	2.5	2.5
169.5°	1.5	1.5	1.5	2.0	2.1	2.4	2.5	2.5	2.5	2.5	2.5
170°	1.5	1.5	1.5	1.6	2.1	2.4	2.4	2.5	2.5	2.5	2.5
170.5°	1.5	1.5	1.5	1.6	2.1	2.3	2.4	2.4	2.5	2.5	2.5
171°	1.4	1.5	1.5	1.6	2.1	2.2	2.4	2.4	2.4	2.4	2.4
171.5°	1.4	1.4	1.5	1.5	2.0	2.1	2.4	2.4	2.4	2.4	2.4
172°	1.5	1.5	1.5	1.5	2.0	2.1	2.3	2.4	2.4	2.4	2.4
172.5°	1.5	1.5	1.5	1.5	2.0	2.1	2.3	2.4	2.4	2.4	2.4
173°	1.4	1.5	1.5	1.5	1.8	2.0	2.3	2.3	2.4	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	2.1	2.3	2.3	2.3	2.1
175°	1.4	1.5	1.4	1.5	1.5	1.6	2.0	2.2	2.3	2.3	2.1
175.5°	1.5	1.5	1.4	1.5	1.5	1.6	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	2.3	2.1	2.0
176.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.1	2.0	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: P563518
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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: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6
0.5°	994.2	998.4	1000.6	997.2	998.3	995.9	998.3	998.1	1000.7	977.4	1008.5
1°	996.3	996.6	998.9	996.0	997.1	996.5	997.0	997.8	996.2	988.0	1007.1
1.5°	995.4	997.1	1000.6	996.8	996.4	994.0	998.0	997.8	991.7	989.9	1010.5
2°	998.6	997.7	998.0	994.4	996.0	994.0	997.2	995.5	994.3	987.6	1004.4
2.5°	995.4	995.6	994.0	994.2	995.2	994.2	995.5	993.9	994.8	988.1	1004.4
3°	993.7	995.5	996.0	992.5	994.4	993.9	990.4	994.6	995.6	993.0	1004.3
3.5°	992.0	981.4	993.2	992.8	992.6	991.7	992.9	993.0	991.3	984.5	1003.0
4°	990.9	988.7	993.0	991.4	992.6	989.8	992.9	990.6	992.6	982.6	1002.0
4.5°	991.4	993.9	992.3	989.9	991.4	992.2	990.6	989.9	990.8	979.3	1007.0
5°	989.3	1004.7	992.4	988.6	989.2	985.9	991.1	988.0	988.5	982.9	1002.1
5.5°	988.6	989.9	991.6	987.3	987.5	985.6	990.8	987.9	990.5	980.9	998.5
6°	987.5	987.7	986.5	986.0	987.3	985.8	986.7	987.7	987.0	978.8	996.4
6.5°	985.3	986.3	986.6	984.5	984.5	983.5	985.0	983.4	984.9	978.0	996.3
7°	983.5	987.5	985.5	983.7	982.9	982.5	989.4	982.6	984.1	974.7	995.0
7.5°	981.6	982.4	983.2	981.3	981.5	980.0	992.9	981.3	981.8	974.6	991.6
8°	979.6	981.1	980.4	978.9	979.3	976.4	978.0	979.4	979.3	973.4	990.6
8.5°	977.8	978.7	977.9	977.3	976.7	974.0	978.3	975.7	977.3	972.6	987.1
9°	976.0	976.4	976.2	974.5	974.5	972.0	975.9	979.1	975.1	965.2	983.0
9.5°	973.6	974.5	974.2	971.5	972.8	969.9	973.8	970.2	973.5	968.8	987.7
10°	969.4	971.9	971.6	970.5	970.2	969.1	969.9	970.0	980.5	964.5	989.5
10.5°	968.5	969.7	968.9	967.5	967.5	966.7	967.8	967.9	968.7	960.8	977.8
11°	965.3	965.8	965.9	964.6	965.0	963.0	965.3	964.1	963.1	958.0	972.5
11.5°	962.7	963.9	963.9	962.6	962.1	961.9	959.0	961.2	960.6	954.5	972.9
12°	960.3	961.0	961.1	958.7	959.3	958.0	958.9	958.7	957.8	951.7	971.0
12.5°	957.5	957.4	957.7	955.3	956.1	955.8	955.4	960.9	958.9	952.0	971.2
13°	953.8	954.5	954.3	953.6	952.3	953.4	953.6	952.8	953.3	937.7	963.5
13.5°	950.5	950.9	951.5	949.2	950.2	948.8	950.8	949.3	949.7	947.0	962.1
14°	947.0	948.2	947.4	945.4	946.4	944.2	945.6	948.0	946.8	933.0	958.4
14.5°	944.2	943.8	942.6	942.7	943.2	941.4	942.6	944.2	943.5	928.7	955.2
15°	941.0	941.5	942.0	939.5	939.2	937.8	941.1	940.0	939.3	934.2	951.7
15.5°	936.8	937.1	936.7	935.7	935.5	933.5	936.8	935.5	936.4	931.4	951.9
16°	933.7	935.9	932.9	931.8	932.0	932.0	931.3	932.0	933.5	924.9	943.7
16.5°	928.7	928.0	929.4	926.4	928.3	928.3	926.8	928.1	927.8	924.1	939.4
17°	925.3	926.4	924.9	925.0	924.5	922.7	927.0	923.8	925.8	920.2	937.6
17.5°	921.9	922.6	923.1	919.9	920.5	917.8	922.1	925.8	920.4	913.1	930.8
18°	916.9	917.9	918.1	916.6	916.1	914.6	917.1	916.5	918.1	910.8	927.1
18.5°	912.6	913.6	915.8	888.9	912.0	910.5	910.8	909.9	913.1	907.0	924.3
19°	908.3	886.6	908.9	912.3	906.5	905.7	907.2	907.4	907.9	901.7	920.0
19.5°	904.1	906.3	903.5	905.4	901.9	901.4	903.7	901.7	904.2	897.7	914.6
20°	899.9	900.1	898.9	893.1	898.6	896.7	899.3	898.6	899.4	894.8	909.9
20.5°	894.9	894.6	895.2	893.3	893.2	892.1	894.6	892.3	896.5	887.8	907.2
21°	889.7	896.6	890.3	888.5	889.9	887.6	888.5	890.1	885.9	887.2	899.6



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	875.0	874.2	876.6	873.5	874.2	872.8	873.7	874.3	876.2	870.5	887.3
23°	870.8	870.2	868.9	868.1	869.7	867.6	870.9	869.5	871.1	865.3	880.8
23.5°	855.5	866.9	865.4	867.4	863.9	862.0	862.8	865.2	864.7	857.8	876.4
24°	858.2	864.0	860.5	858.4	859.3	856.8	859.3	858.5	863.7	850.0	871.1
24.5°	853.2	854.1	852.3	853.3	853.1	851.8	853.8	853.4	855.5	847.9	865.8
25°	848.2	848.0	848.4	847.8	847.9	846.2	847.5	847.9	849.8	841.6	859.8
25.5°	841.6	842.1	843.6	841.3	842.8	840.7	841.4	841.9	840.4	838.1	854.4
26°	836.4	837.6	838.7	836.4	836.5	834.9	836.4	838.4	838.0	831.0	848.0
26.5°	830.1	829.9	831.6	829.4	830.5	828.7	831.1	830.6	835.0	826.7	842.5
27°	824.9	824.0	822.7	826.0	825.1	822.8	825.2	826.3	823.6	820.6	836.8
27.5°	818.5	820.1	821.9	819.0	818.8	816.9	818.8	819.7	820.6	814.4	831.2
28°	812.2	814.0	813.5	812.8	813.3	812.2	812.3	813.1	816.9	808.5	824.5
28.5°	806.4	805.6	808.8	807.4	807.2	804.1	806.6	806.7	805.6	800.2	818.6
29°	800.2	799.6	800.4	800.5	800.9	802.6	800.2	806.0	799.9	795.4	810.8
29.5°	793.0	795.5	795.3	791.4	794.0	793.1	793.7	794.1	794.9	790.7	818.7
30°	776.1	787.4	788.0	787.2	788.1	786.7	788.1	788.1	789.6	784.6	794.0
30.5°	773.8	779.2	782.6	782.0	782.0	779.6	781.3	781.3	783.4	780.8	792.6
31°	770.6	775.8	774.9	774.6	775.8	773.6	774.7	775.7	776.5	771.3	786.8
31.5°	766.4	769.7	768.5	769.5	769.0	766.7	768.0	769.5	769.3	763.2	781.2
32°	760.9	760.9	761.7	762.9	762.2	760.5	761.4	761.6	763.3	758.3	774.1
32.5°	751.9	753.4	755.4	757.8	755.3	754.2	754.4	755.7	757.1	751.6	768.9
33°	745.0	745.4	748.0	747.7	748.7	747.4	748.4	748.1	749.7	743.8	760.3
33.5°	739.5	740.2	741.6	742.0	742.3	740.7	739.9	741.7	741.5	738.7	753.3
34°	731.3	730.5	736.5	734.7	735.3	733.3	735.3	735.9	736.0	731.9	746.3
34.5°	722.8	725.1	728.0	726.9	728.5	727.3	727.5	729.9	729.0	723.5	739.2
35°	716.0	717.9	720.3	719.7	721.4	719.4	720.7	720.1	722.4	718.3	732.1
35.5°	707.7	712.0	718.4	712.9	714.4	712.9	713.9	714.7	715.0	711.1	725.9
36°	701.1	703.0	707.9	706.9	707.1	706.8	707.0	708.6	705.9	704.6	718.3
36.5°	694.1	690.3	698.2	699.0	699.5	699.2	699.6	699.6	701.7	697.1	710.2
37°	683.2	688.6	691.1	692.3	693.0	691.9	692.4	693.2	691.3	690.2	703.1
37.5°	677.1	680.7	683.6	684.2	685.6	684.6	685.1	688.1	686.8	682.3	696.7
38°	671.7	669.0	676.6	677.5	677.9	676.2	677.8	677.7	685.5	676.6	690.0
38.5°	666.2	668.6	669.5	670.8	671.1	669.5	669.9	671.7	670.5	667.7	681.4
39°	652.9	661.4	662.4	662.8	663.8	662.5	663.8	663.9	670.5	661.7	673.8
39.5°	648.5	651.7	653.6	655.3	656.2	655.6	656.1	657.5	658.0	652.5	669.9
40°	636.6	641.7	646.0	647.5	649.0	647.5	648.9	650.3	650.8	646.1	657.3
40.5°	632.9	637.4	638.9	639.3	641.6	640.0	641.0	641.1	641.7	638.2	651.8
41°	623.1	626.7	629.9	628.4	633.8	632.3	633.6	633.8	635.7	628.3	640.1
41.5°	616.6	617.8	622.1	624.2	626.2	626.1	626.1	626.3	627.4	625.3	633.1
42°	607.3	612.5	616.5	617.6	619.1	617.5	618.4	621.3	620.7	617.7	628.7
42.5°	599.2	604.3	608.0	609.1	610.3	610.7	611.0	609.7	612.1	608.4	622.0
43°	591.0	594.3	598.4	602.9	603.4	602.6	603.0	603.7	599.8	602.0	613.7
43.5°	583.5	589.7	590.9	592.9	595.4	594.4	595.7	597.3	596.9	592.9	608.4



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	558.4	565.4	567.1	569.6	572.6	571.8	572.6	572.5	573.9	572.0	582.4
45.5°	550.9	557.1	560.9	564.8	564.9	563.2	565.1	565.4	567.4	562.5	576.0
46°	542.8	548.9	552.5	553.8	557.2	556.6	556.8	557.7	559.0	554.8	568.4
46.5°	533.8	540.2	544.9	547.0	549.0	549.0	550.5	550.2	551.2	546.5	556.8
47°	526.4	534.0	536.5	538.7	541.5	541.4	541.8	541.5	542.7	540.5	549.6
47.5°	519.2	524.0	529.1	537.3	533.6	533.5	534.3	534.8	535.5	533.3	544.2
48°	510.6	515.8	521.8	524.2	526.1	525.8	525.7	526.8	528.5	528.2	534.4
48.5°	502.4	508.7	513.8	515.2	518.2	518.2	520.1	519.6	520.7	515.7	526.9
49°	495.1	499.7	503.8	506.3	510.4	510.2	511.0	511.7	511.9	510.4	521.2
49.5°	486.9	491.6	498.3	503.8	502.7	503.1	503.4	503.7	504.7	503.3	512.4
50°	478.8	484.1	490.7	493.2	495.4	495.1	495.5	496.0	497.0	494.2	506.1
50.5°	470.8	476.2	482.4	483.5	487.4	487.8	487.7	488.7	488.7	488.8	495.5
51°	463.2	468.5	473.7	477.3	479.4	479.7	481.3	481.5	481.3	476.9	488.1
51.5°	454.4	460.3	466.3	468.8	471.9	471.5	474.8	473.0	473.7	470.6	480.2
52°	447.2	452.6	459.4	461.3	464.2	464.0	465.4	465.8	466.3	465.0	472.8
52.5°	439.9	444.8	452.1	456.0	456.6	457.2	457.1	457.7	458.1	455.0	464.5
53°	432.1	437.5	444.3	447.3	448.7	450.2	449.2	449.6	450.4	449.6	458.2
53.5°	424.5	429.5	436.3	438.3	440.8	442.3	441.6	442.2	442.2	440.6	449.8
54°	416.0	421.7	427.8	430.4	433.5	433.9	436.0	434.7	435.1	433.3	440.8
54.5°	409.6	414.0	419.2	423.8	425.6	425.7	426.8	426.7	427.7	425.4	436.0
55°	401.1	407.1	413.2	416.3	418.3	418.4	418.7	419.3	420.0	418.2	425.2
55.5°	394.0	399.0	404.2	409.9	410.6	410.7	410.0	411.1	413.2	410.1	419.5
56°	386.1	391.6	397.6	401.2	403.1	405.9	402.8	403.9	404.7	402.6	410.1
56.5°	379.1	384.4	389.8	393.4	395.5	395.9	397.1	396.1	397.4	395.9	402.6
57°	372.0	376.6	383.7	385.4	387.7	387.9	388.3	388.4	388.1	387.7	396.9
57.5°	364.2	369.2	374.2	377.8	380.4	379.3	379.8	380.7	381.8	382.1	388.7
58°	357.1	362.1	367.5	371.1	372.5	373.2	372.8	373.5	374.4	372.6	376.9
58.5°	349.6	354.2	360.2	363.9	365.1	366.7	365.5	367.0	366.2	365.1	372.4
59°	342.6	347.2	351.8	355.3	358.0	358.7	358.4	358.1	358.2	357.6	365.1
59.5°	335.7	337.0	346.3	347.6	350.5	350.1	349.9	350.7	350.9	349.9	358.6
60°	328.7	332.6	337.6	340.4	343.6	342.7	342.3	344.4	344.0	343.5	350.9
60.5°	321.5	325.7	332.2	332.9	335.5	336.8	335.8	335.6	336.0	336.0	343.2
61°	314.5	318.8	321.8	326.3	327.5	329.0	328.3	326.8	328.8	328.2	335.8
61.5°	307.7	311.9	317.2	318.6	320.6	320.4	320.4	320.7	321.9	321.5	326.6
62°	300.8	304.6	309.3	311.5	313.2	313.3	313.1	313.2	314.1	313.8	321.1
62.5°	294.2	297.7	301.9	304.0	306.8	306.4	305.7	306.0	307.7	306.5	312.4
63°	287.1	291.0	294.9	296.8	299.0	298.9	298.1	298.2	299.7	299.1	305.9
63.5°	280.7	284.1	288.0	288.9	291.7	291.0	291.0	290.7	292.3	292.0	298.2
64°	274.0	277.3	280.7	284.0	284.8	284.3	283.4	284.5	286.6	284.5	291.4
64.5°	267.4	270.6	274.3	278.2	277.5	277.2	276.2	277.9	277.8	277.8	284.9
65°	261.0	264.1	267.3	269.8	270.1	269.5	268.9	269.3	269.9	270.7	276.0
65.5°	254.7	257.4	260.5	262.5	262.9	262.4	262.7	262.1	263.7	263.3	269.1
66°	248.0	251.0	253.7	255.4	256.4	255.4	254.6	254.7	256.6	256.4	262.4



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	229.3	231.7	234.0	234.8	235.1	233.7	233.0	233.6	234.9	234.1	241.7
68°	223.3	225.4	227.3	229.1	228.4	227.1	226.1	226.3	228.0	228.6	234.8
68.5°	217.2	219.0	220.9	221.5	221.5	219.9	219.0	219.6	220.7	221.6	228.0
69°	211.1	212.8	214.6	215.0	214.7	213.1	212.0	212.4	213.6	214.1	221.5
69.5°	205.2	206.7	208.0	208.1	207.6	205.8	204.8	204.8	206.4	207.5	213.9
70°	199.2	200.7	201.6	201.8	201.6	199.5	197.9	198.3	199.4	200.3	207.4
70.5°	193.2	194.5	195.4	195.2	194.5	192.3	190.9	191.5	192.8	195.1	200.6
71°	187.4	188.7	189.2	189.1	187.8	185.8	184.5	184.3	186.5	187.5	193.7
71.5°	181.7	182.8	183.5	182.9	181.4	179.5	177.4	177.8	179.5	180.9	188.4
72°	176.2	176.9	177.3	176.7	174.7	172.2	170.9	170.9	172.7	174.3	181.0
72.5°	170.5	171.3	170.9	170.3	168.3	165.6	163.9	164.5	165.5	167.9	173.3
73°	165.0	165.3	165.6	164.1	161.9	159.2	157.2	158.0	159.1	161.6	167.8
73.5°	159.6	159.8	159.3	158.0	155.8	152.4	150.8	151.6	152.7	155.4	161.7
74°	153.9	154.1	153.7	151.9	149.3	145.7	144.0	145.2	146.3	149.1	155.6
74.5°	148.7	148.6	148.2	145.9	143.3	139.8	137.4	138.8	139.9	142.9	149.5
75°	143.6	143.3	142.1	140.1	137.1	133.3	131.0	132.3	133.9	136.6	143.4
75.5°	138.4	137.9	137.1	134.3	131.2	127.6	124.7	125.5	127.5	130.4	137.4
76°	133.1	132.6	132.4	128.7	125.1	120.9	118.4	119.0	121.1	124.7	131.2
76.5°	128.1	127.3	126.1	122.9	119.3	115.1	112.1	112.9	114.8	117.9	125.3
77°	123.0	122.2	120.5	117.4	113.5	109.1	106.0	106.7	109.1	111.9	119.4
77.5°	118.1	117.0	115.1	111.8	107.7	102.6	100.0	100.4	102.4	106.0	113.6
78°	113.2	112.0	110.1	106.2	102.1	97.3	94.0	94.3	96.8	100.2	108.2
78.5°	108.6	107.2	104.7	101.0	96.8	91.7	88.3	88.5	90.6	94.5	102.2
79°	103.9	102.3	99.6	96.0	91.2	86.2	82.5	82.6	84.9	88.8	97.1
79.5°	99.2	97.5	94.7	90.8	85.9	80.5	76.8	76.9	78.9	83.3	91.1
80°	94.9	92.9	89.9	85.7	80.6	75.2	71.3	71.0	73.6	77.8	85.0
80.5°	90.5	88.5	85.4	80.8	75.6	70.1	65.6	65.7	68.2	72.6	81.0
81°	86.2	84.0	80.7	76.1	70.7	65.9	60.9	60.5	63.0	67.5	75.4
81.5°	82.1	79.8	76.1	71.5	65.5	61.1	56.2	55.2	57.6	62.6	71.0
82°	78.1	75.7	72.2	66.8	61.2	56.3	51.4	50.0	52.7	57.6	65.5
82.5°	74.2	71.6	67.9	62.9	57.0	51.5	46.7	45.2	47.9	53.0	60.8
83°	70.4	67.8	64.2	58.9	52.8	46.6	42.0	40.6	43.1	48.1	56.2
83.5°	66.5	64.4	60.6	55.0	48.6	42.4	37.7	36.1	38.7	43.9	51.9
84°	63.3	61.0	56.9	51.1	44.6	38.2	33.4	31.9	34.5	39.7	47.7
84.5°	60.2	57.6	53.3	47.2	40.7	34.1	29.4	27.8	30.4	35.8	43.7
85°	57.1	54.2	49.6	43.6	37.0	30.2	25.5	23.9	26.5	31.8	39.7
85.5°	54.0	50.8	46.3	40.2	33.4	26.7	21.8	20.7	22.8	28.4	36.0
86°	50.8	47.6	43.1	36.9	30.1	23.2	18.2	17.4	19.8	24.7	32.5
86.5°	47.8	44.5	39.9	33.8	27.0	20.1	15.1	14.1	16.8	21.5	29.1
87°	44.9	41.6	36.9	30.8	24.1	17.3	12.1	10.9	13.8	19.0	25.9
87.5°	42.2	38.9	34.2	28.1	21.4	14.7	9.5	7.6	10.8	16.4	22.9
88°	39.4	36.2	31.4	25.5	18.9	12.3	7.0	5.2	7.8	13.8	20.4
88.5°	36.9	33.6	28.8	23.1	16.6	10.2	5.7	3.3	5.7	11.2	18.0



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	29.8	26.7	22.2	16.7	10.9	5.8	1.7	0.2	1.8	5.3	10.6
90.5°	27.8	24.6	20.2	14.9	9.4	4.8	1.2	0.2	1.2	4.1	8.9
91°	25.8	22.7	18.4	13.3	8.1	3.8	0.8	0.2	0.8	3.2	7.4
91.5°	23.9	20.8	16.6	11.8	6.9	2.8	0.6	0.2	0.7	2.5	6.1
92°	22.0	19.1	15.1	10.4	6.0	2.2	0.4	0.2	0.5	2.0	5.0
92.5°	20.3	17.4	13.6	9.1	5.2	1.8	0.4	0.2	0.5	1.7	4.2
93°	18.7	15.9	12.2	8.0	4.4	1.5	0.3	0.1	0.5	1.5	3.6
93.5°	17.2	14.5	11.0	7.0	3.5	1.2	0.3	0.1	0.5	1.4	3.2
94°	15.8	13.2	9.8	6.3	3.0	1.1	0.2	0.2	0.4	1.4	2.9
94.5°	14.5	12.1	8.8	5.6	2.7	0.9	0.3	0.2	0.4	1.3	2.7
95°	13.2	10.9	7.9	4.9	2.3	0.8	0.3	0.2	0.4	1.3	2.5
95.5°	12.1	9.9	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	0.7	0.3	0.3	0.4	1.2	2.3
96.5°	10.1	8.1	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	6.8	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	2.2
98.5°	7.1	5.7	3.9	2.5	1.2	0.5	0.4	0.4	0.4	1.2	2.1
99°	6.6	5.1	3.6	2.3	1.1	0.5	0.4	0.5	0.4	1.1	2.1
99.5°	6.1	4.7	3.4	2.1	1.0	0.6	0.5	0.5	0.4	1.1	2.1
100°	5.6	4.4	3.2	2.0	1.0	0.6	0.5	0.5	0.4	1.1	2.0
100.5°	5.1	4.2	3.1	1.9	0.9	0.6	0.5	0.6	0.5	1.1	2.0
101°	4.8	4.0	2.9	1.7	0.9	0.6	0.6	0.6	0.5	1.1	2.0
101.5°	4.6	3.8	2.7	1.6	0.9	0.7	0.6	0.7	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	2.5	1.5	0.9	0.7	0.8	0.8	0.7	1.1	2.0
103°	4.0	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	0.9	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	2.3	1.7	1.2	1.1	1.0	1.4	1.3	1.3	1.1	2.0
107°	2.7	2.2	1.6	1.2	1.2	1.1	1.5	1.3	1.6	1.1	2.0
107.5°	2.5	2.1	1.5	1.2	1.2	1.1	1.6	1.4	1.6	1.1	2.0
108°	2.4	2.0	1.5	1.2	1.2	1.1	1.6	1.5	1.5	1.1	2.0
108.5°	2.3	1.9	1.5	1.3	1.2	1.1	1.6	1.5	1.5	1.2	1.9
109°	2.2	1.8	1.5	1.3	1.2	1.2	1.5	1.5	1.5	1.2	1.8
109.5°	2.1	1.7	1.4	1.3	1.2	1.2	1.6	1.5	1.5	1.2	1.8
110°	2.0	1.7	1.5	1.3	1.2	1.2	1.6	1.6	1.5	1.3	1.7
110.5°	1.9	1.6	1.5	1.4	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	1.7	1.6	1.5	1.3	1.7



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.7	1.6	1.6	1.4	1.4	1.5	1.7	1.7	1.6	1.4	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	1.8	1.7	1.6	1.5	1.6
114°	1.6	1.7	1.6	1.2	1.4	1.6	1.8	1.8	1.6	1.6	1.5
114.5°	1.7	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	1.7	1.4
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	1.6	1.8	1.8	1.8	1.6	1.7	1.4
117.5°	1.9	1.8	1.4	1.5	1.6	2.0	1.8	1.7	1.6	1.7	1.4
118°	1.9	1.9	1.4	1.5	1.6	2.1	1.8	1.7	1.6	1.9	1.4
118.5°	1.9	1.9	1.4	1.5	1.6	2.2	1.8	1.6	1.6	2.1	1.5
119°	1.9	1.8	1.4	1.6	1.7	2.2	1.8	1.6	1.6	2.2	1.5
119.5°	1.9	1.7	1.5	1.6	1.7	2.1	1.8	1.7	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	1.6
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°	1.8	1.5	1.6	1.7	1.8	2.0	1.9	1.7	1.7	2.0	1.6
122°	1.6	1.5	1.6	1.7	1.9	2.0	2.0	1.7	1.7	2.0	1.7
122.5°	1.5	1.5	1.7	1.8	1.9	2.0	2.0	1.7	1.7	2.0	1.7
123°	1.5	1.6	1.7	1.8	2.0	2.0	2.0	1.8	1.7	2.0	1.8
123.5°	1.5	1.6	1.7	1.8	2.0	2.0	2.0	1.8	1.7	2.0	1.8
124°	1.5	1.6	1.8	1.9	2.0	2.0	2.0	1.8	1.7	2.1	1.8
124.5°	1.5	1.7	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	2.0	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	2.0
126.5°	1.7	1.8	1.9	2.0	2.5	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	2.7	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	2.2	1.9	1.9	2.1	2.6
129°	1.8	1.9	2.0	2.2	2.6	2.0	2.2	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	2.5	2.0	2.2	1.9	1.9	2.0	2.3
131°	1.9	2.0	2.1	2.3	2.4	2.0	2.2	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	2.0	2.4
132.5°	2.0	2.1	2.2	2.6	2.4	2.0	2.2	2.0	1.9	2.0	2.4
133°	2.0	2.1	2.3	2.8	2.4	2.0	2.2	2.0	1.9	2.0	2.4
133.5°	2.1	2.2	2.3	3.0	2.4	2.0	2.2	2.0	1.9	2.0	2.3



TEST NUMBER: P563518

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

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	2.5	2.1	2.2	2.0	2.0	2.0	2.5
136°	2.2	2.3	2.5	3.1	2.5	2.1	2.3	2.0	2.0	2.1	2.5
136.5°	2.2	2.3	2.6	3.0	2.5	2.2	2.3	2.0	2.0	2.1	2.5
137°	2.3	2.4	2.7	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	2.5	2.3	2.3	2.0	2.0	2.2	2.5
138.5°	2.3	2.5	3.2	2.8	2.4	2.3	2.4	2.1	2.0	2.2	2.4
139°	2.4	2.5	3.3	2.8	2.4	2.3	2.4	2.1	2.1	2.2	2.4
139.5°	2.4	2.6	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	3.3	2.8	2.2	2.4	2.4	2.1	2.1	2.3	2.3
141.5°	2.6	3.1	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	3.4	3.0	2.9	2.1	2.5	2.4	2.2	2.1	2.4	2.3
143°	2.9	3.5	2.9	2.8	2.2	2.5	2.4	2.2	2.2	2.4	2.3
143.5°	3.1	3.5	2.9	2.8	2.2	2.5	2.3	2.2	2.2	2.5	2.3
144°	3.2	3.4	2.8	2.7	2.2	2.5	2.3	2.2	2.2	2.5	2.3
144.5°	3.4	3.3	2.8	2.7	2.2	2.5	2.3	2.2	2.2	2.5	2.3
145°	3.5	3.2	2.9	2.6	2.2	2.5	2.3	2.2	2.2	2.5	2.3
145.5°	3.6	3.0	2.9	2.5	2.2	2.5	2.3	2.2	2.2	2.5	2.3
146°	3.5	3.0	2.9	2.5	2.2	2.5	2.3	2.1	2.2	2.5	2.3
146.5°	3.4	2.9	2.9	2.4	2.3	2.5	2.3	2.1	2.2	2.5	2.3
147°	3.2	2.9	2.9	2.3	2.3	2.6	2.3	2.2	2.2	2.5	2.4
147.5°	3.1	2.9	2.9	2.2	2.3	2.5	2.3	2.2	2.2	2.6	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	2.2	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	2.5
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	2.5
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°	3.0	2.8	2.3	2.1	2.4	2.5	2.2	2.2	2.1	2.6	2.6
151.5°	3.0	2.7	2.2	2.1	2.4	2.5	2.3	2.2	2.1	2.6	2.6
152°	2.9	2.7	2.2	2.2	2.4	2.5	2.3	2.2	2.1	2.6	2.6
152.5°	2.9	2.6	2.1	2.2	2.5	2.5	2.3	2.2	2.1	2.6	2.6
153°	2.8	2.5	2.1	2.2	2.5	2.5	2.3	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	2.3	2.1	2.3	2.5	2.5	2.3	2.1	2.1	2.6	2.6
154.5°	2.5	2.2	2.1	2.3	2.5	2.5	2.3	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	2.1	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	2.7
156°	2.2	2.1	2.1	2.4	2.5	2.4	2.2	2.2	2.0	2.5	2.7



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	2.1	2.1	2.2	2.4	2.5	2.5	2.3	2.1	2.0	2.4	2.5
158°	2.0	2.1	2.3	2.4	2.5	2.5	2.3	2.1	1.9	2.2	2.5
158.5°	2.1	2.1	2.3	2.4	2.5	2.4	2.3	2.0	1.8	2.1	2.5
159°	2.1	2.2	2.3	2.5	2.5	2.4	2.3	2.1	1.8	2.1	2.6
159.5°	2.1	2.2	2.3	2.5	2.5	2.4	2.3	2.1	1.8	2.2	2.5
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°	2.2	2.3	2.4	2.5	2.5	2.3	2.1	2.0	2.0	2.3	2.1
161°	2.2	2.3	2.4	2.5	2.5	2.2	1.9	1.9	2.0	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	2.4	2.4	2.5	2.3	2.2	1.8	2.0	1.9	2.3	2.6
162.5°	2.3	2.4	2.5	2.4	2.4	2.0	2.0	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	2.4	2.0	2.1	1.8	1.9	2.1	2.5
164°	2.4	2.5	2.5	2.4	2.2	2.2	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	2.5
165°	2.4	2.5	2.5	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°	2.5	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	2.5	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	1.7	2.1
168°	2.5	2.4	2.5	2.4	2.1	1.7	1.5	1.6	1.6	1.6	1.8
168.5°	2.5	2.3	2.5	2.3	2.1	1.6	1.5	1.6	1.6	1.6	1.7
169°	2.5	2.4	2.3	2.2	1.8	1.6	1.5	1.6	1.6	1.6	1.6
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°	2.5	2.4	1.8	1.9	1.6	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	2.1	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.6
171.5°	2.2	2.2	1.8	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.6
172°	2.2	2.1	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.6
172.5°	2.2	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	1.6	1.6	1.6
173.5°	2.1	1.6	1.6	1.6	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	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6
175.5°	1.6	1.6	1.6	1.6	1.6	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: P563518
CATALOG NUMBER: 2NWS23C3-NUV-HI-5000K

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: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6	997.6
0.5°	998.9	997.1	997.4	1002.5	999.1	997.9	996.6	997.3	999.2	998.7	997.2
1°	1001.6	996.5	997.5	998.8	999.5	999.3	996.1	996.3	998.0	996.5	997.2
1.5°	997.0	997.1	996.5	998.3	998.7	996.7	996.8	997.9	998.0	998.9	996.9
2°	995.7	996.2	996.5	998.4	998.7	1001.4	996.0	995.2	998.7	998.7	999.2
2.5°	995.7	995.7	995.6	1000.7	997.9	997.8	996.3	996.4	998.3	1000.6	997.1
3°	994.7	995.2	995.2	996.8	996.8	997.2	994.3	995.9	998.2	999.1	996.4
3.5°	993.6	994.5	994.4	995.0	996.1	995.4	995.7	995.0	996.7	997.5	994.9
4°	992.9	992.7	994.0	996.6	994.9	995.2	994.5	994.4	996.1	995.4	995.7
4.5°	991.2	991.7	992.5	997.0	996.0	995.6	994.2	993.8	995.4	995.7	994.5
5°	989.6	991.3	991.6	993.3	994.4	991.6	992.7	992.7	994.9	995.1	993.3
5.5°	988.8	989.4	989.8	997.4	992.3	994.6	990.5	991.9	993.4	994.7	992.9
6°	987.3	987.9	988.4	991.4	990.8	989.8	991.4	991.0	992.7	993.2	993.0
6.5°	986.2	986.3	987.3	988.4	989.5	988.1	989.5	989.6	990.9	992.3	990.9
7°	984.2	984.7	986.1	987.9	987.6	988.5	987.4	987.3	990.6	991.4	989.8
7.5°	982.2	983.4	983.9	985.4	986.5	989.2	986.8	986.5	988.4	989.0	987.9
8°	980.8	981.5	982.1	985.0	984.6	984.7	982.6	984.6	987.3	988.0	986.8
8.5°	979.2	978.9	980.3	982.2	983.3	979.3	981.8	982.6	985.4	986.0	984.7
9°	976.3	976.9	977.9	979.5	979.1	981.7	978.6	981.3	983.9	984.2	983.1
9.5°	973.9	974.9	975.5	978.7	977.9	980.5	977.6	979.1	981.9	983.8	981.7
10°	972.3	972.9	972.8	976.6	976.3	976.1	976.4	977.6	979.4	985.0	980.0
10.5°	969.5	969.5	971.4	974.0	973.8	973.7	974.2	974.6	977.6	980.5	977.5
11°	966.7	967.4	968.8	972.9	974.0	971.2	973.3	972.4	975.0	995.7	974.9
11.5°	963.8	964.8	965.8	971.5	969.1	968.3	970.7	970.0	973.0	973.0	971.3
12°	960.7	962.1	963.0	965.3	966.7	965.8	967.3	967.9	970.5	970.8	970.1
12.5°	958.6	959.4	961.0	961.4	963.3	962.1	964.2	965.8	967.2	968.4	967.4
13°	955.2	956.6	958.0	960.3	959.7	964.5	962.8	962.3	964.7	965.7	966.9
13.5°	952.5	953.0	954.0	965.8	959.6	954.4	956.9	960.8	961.8	963.3	962.2
14°	948.3	950.0	950.9	953.6	954.8	952.0	955.6	956.4	958.6	960.0	959.5
14.5°	945.4	946.8	947.2	950.5	952.1	954.0	951.2	952.5	956.0	956.5	956.4
15°	942.6	943.7	944.3	947.1	953.0	953.9	948.5	950.4	952.9	954.3	953.2
15.5°	939.2	939.4	940.7	941.4	943.0	945.2	944.7	947.1	949.6	950.3	950.7
16°	934.5	935.7	937.2	943.3	939.5	943.8	941.7	943.1	945.8	947.7	946.2
16.5°	931.6	932.1	933.1	935.9	936.0	940.6	937.9	940.3	942.0	943.6	942.4
17°	927.9	928.7	929.6	933.3	933.1	934.7	934.6	935.9	938.0	940.3	939.2
17.5°	923.5	924.4	925.3	930.4	928.9	928.4	930.4	931.0	934.9	935.8	936.7
18°	919.2	920.2	921.9	922.4	924.5	926.9	927.0	927.7	930.6	932.5	933.2
18.5°	915.1	916.5	917.4	920.6	922.3	922.0	922.2	923.7	926.7	929.0	928.5
19°	910.6	912.1	913.2	918.7	916.9	915.1	917.3	921.2	922.2	924.1	924.4
19.5°	907.4	907.2	908.8	910.1	911.5	913.2	914.4	910.3	918.3	920.0	921.1
20°	901.8	902.9	904.2	907.2	906.5	908.7	908.9	909.1	914.0	916.3	916.5
20.5°	897.2	898.7	899.3	902.4	903.5	903.3	904.4	906.9	909.4	912.0	911.8
21°	891.9	893.4	894.8	897.9	895.4	896.9	899.0	903.7	903.4	906.9	907.3



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	877.9	878.7	879.9	879.7	882.9	883.8	884.8	886.0	891.7	892.5	893.8
23°	873.0	873.8	875.0	874.0	876.8	879.0	879.9	880.8	885.6	888.0	887.8
23.5°	867.6	868.5	869.3	872.5	871.3	874.2	874.5	876.7	880.6	883.3	883.8
24°	862.1	863.4	864.3	867.6	868.5	868.4	869.9	872.0	875.5	878.1	878.6
24.5°	856.5	857.7	858.4	865.1	861.0	858.2	864.1	867.0	870.4	872.4	873.9
25°	851.0	851.9	852.9	855.1	854.2	858.9	858.5	861.4	864.4	867.5	868.0
25.5°	845.4	846.8	847.3	848.5	851.2	851.9	852.3	855.1	859.3	862.3	863.8
26°	840.3	841.1	842.0	842.9	844.9	844.9	847.5	849.8	852.4	856.7	856.7
26.5°	834.7	835.3	835.4	837.6	838.3	839.5	842.7	842.6	848.0	850.6	852.5
27°	828.4	829.2	830.2	832.7	832.2	832.7	834.8	837.8	835.2	845.2	845.8
27.5°	823.0	822.7	823.5	826.5	826.5	826.9	830.9	831.9	836.5	839.0	841.4
28°	816.1	816.7	817.6	818.3	818.4	820.6	821.8	827.2	829.9	833.2	835.1
28.5°	810.5	810.7	811.9	811.4	813.4	817.9	814.7	818.5	823.7	828.4	828.4
29°	803.9	804.9	805.7	810.8	806.5	808.4	807.8	816.1	818.8	822.2	823.0
29.5°	797.7	798.2	799.0	799.8	801.7	801.5	804.5	807.4	811.7	815.7	816.1
30°	791.6	791.7	792.2	794.9	793.8	794.9	797.2	796.0	805.2	809.4	810.7
30.5°	784.9	785.4	785.7	787.5	787.2	786.8	790.5	794.2	799.0	802.6	804.4
31°	778.2	778.9	779.4	779.9	780.6	781.2	781.7	789.2	792.3	796.6	801.5
31.5°	772.3	772.5	772.3	773.6	772.4	776.5	776.0	778.2	785.3	789.4	791.7
32°	765.4	765.9	765.9	768.1	767.5	766.8	769.2	775.6	779.3	783.6	785.4
32.5°	759.1	758.8	758.8	759.8	759.4	760.8	762.9	766.3	772.2	777.2	779.3
33°	752.0	752.3	752.1	751.5	752.2	750.2	755.2	760.9	765.3	770.1	772.2
33.5°	745.3	745.0	744.4	745.0	746.0	741.2	748.0	751.5	758.3	763.3	765.4
34°	738.2	737.7	737.4	738.5	738.1	745.8	740.1	746.1	751.6	755.9	758.1
34.5°	731.8	731.5	730.8	731.5	729.9	729.7	733.8	739.0	744.3	749.1	751.3
35°	724.4	723.9	723.3	724.4	723.0	718.7	727.2	729.2	737.0	742.1	745.4
35.5°	717.4	716.8	715.9	716.9	715.7	718.2	719.7	723.7	730.1	735.0	738.0
36°	710.1	709.5	708.7	710.9	708.6	710.9	711.1	714.6	722.6	728.1	731.6
36.5°	704.0	702.9	701.7	701.8	700.1	699.4	705.6	708.5	715.4	721.4	724.0
37°	695.8	695.6	693.9	692.5	691.6	693.3	695.2	701.5	707.6	713.9	716.9
37.5°	688.3	687.6	686.0	686.1	686.2	685.6	688.8	693.6	699.9	706.3	710.7
38°	681.0	680.2	678.9	679.1	676.8	676.3	680.4	686.5	692.8	698.7	701.2
38.5°	673.8	672.7	671.3	671.2	669.6	669.7	672.9	678.5	685.3	691.2	694.6
39°	666.5	665.1	663.7	665.5	661.1	660.6	664.4	670.8	677.7	684.0	687.8
39.5°	659.2	658.0	655.8	654.6	653.9	657.4	656.2	663.2	670.0	676.2	680.1
40°	651.3	649.8	648.0	646.8	646.1	646.6	648.2	655.2	662.1	669.1	671.8
40.5°	643.9	642.8	640.4	639.6	637.2	639.1	640.4	646.7	653.9	660.8	664.9
41°	636.4	634.8	632.2	631.0	634.8	630.9	633.1	638.3	646.5	653.7	658.0
41.5°	629.2	627.1	624.9	629.8	622.3	621.7	625.7	630.1	639.1	645.6	650.4
42°	621.3	619.8	617.2	615.3	612.7	614.6	617.0	622.3	631.3	637.8	642.1
42.5°	613.4	611.6	609.2	606.7	605.0	607.3	608.8	614.6	623.4	629.8	634.5
43°	605.7	604.0	601.3	598.3	598.3	597.4	601.2	606.7	614.8	622.3	627.8
43.5°	598.4	596.3	593.3	591.7	589.3	588.9	593.0	597.8	606.8	614.2	619.2



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	575.1	572.6	569.3	568.9	566.1	565.4	568.7	576.3	583.7	590.7	595.7
45.5°	567.2	564.7	561.8	559.6	557.0	557.4	559.9	565.4	575.4	583.1	588.8
46°	559.7	557.0	553.8	550.9	549.5	549.4	551.3	561.3	567.3	575.4	580.0
46.5°	551.6	548.7	546.0	544.8	541.6	541.3	544.4	551.9	559.2	567.4	572.2
47°	544.0	541.2	537.6	535.0	531.0	533.3	536.0	544.8	551.2	559.2	564.2
47.5°	536.4	533.4	530.0	526.1	525.5	525.2	528.0	535.8	543.3	551.2	556.7
48°	528.3	525.7	521.9	519.8	517.1	517.1	520.5	525.7	535.3	543.1	548.9
48.5°	520.6	517.8	514.2	510.7	508.3	509.0	512.2	517.2	527.2	535.5	542.6
49°	512.5	510.2	506.0	504.0	497.8	501.4	503.7	510.9	519.3	527.2	532.6
49.5°	505.0	502.1	498.3	495.5	493.3	493.1	495.6	500.6	511.4	519.7	526.1
50°	497.0	494.2	490.5	487.5	484.8	485.3	488.2	494.3	503.5	511.4	515.1
50.5°	489.3	486.4	482.8	479.7	476.4	477.2	479.9	487.5	495.4	503.3	508.6
51°	481.8	478.4	474.9	472.0	469.5	469.5	472.1	476.9	487.6	495.6	501.2
51.5°	474.4	470.7	466.9	463.7	461.2	461.4	464.6	470.7	479.4	487.5	493.7
52°	465.9	463.2	459.3	456.6	453.5	453.9	456.7	461.0	471.8	480.1	485.9
52.5°	458.3	455.2	451.2	448.4	445.6	446.1	448.9	453.8	463.6	471.8	477.7
53°	449.8	447.5	443.8	441.1	437.9	438.6	441.1	447.9	456.3	464.1	469.5
53.5°	428.5	439.7	436.3	432.0	429.8	430.6	433.3	439.1	447.7	456.2	462.0
54°	435.2	432.3	428.4	423.4	422.5	423.4	426.0	432.7	440.4	448.5	454.3
54.5°	427.0	424.5	420.8	419.3	415.5	415.7	418.5	425.6	432.6	440.5	446.1
55°	419.5	417.1	413.2	410.6	407.0	408.4	410.7	415.8	424.8	432.9	438.8
55.5°	412.9	409.6	405.8	402.8	399.2	400.7	403.3	410.0	417.3	425.3	431.3
56°	403.8	402.1	398.2	394.8	392.7	392.9	396.0	402.0	409.6	417.8	423.0
56.5°	397.3	394.4	390.9	387.6	385.8	385.9	388.6	394.6	402.3	409.9	415.5
57°	389.5	387.0	383.3	381.6	379.9	378.2	381.0	387.2	394.6	402.6	407.6
57.5°	383.6	379.2	375.8	373.1	371.2	371.2	374.2	379.8	387.1	394.8	400.0
58°	375.2	372.1	368.6	365.7	365.0	363.7	366.8	372.1	379.9	387.0	392.5
58.5°	367.7	364.9	361.5	358.8	358.8	356.9	359.5	364.8	372.2	379.7	385.0
59°	360.1	357.5	354.2	350.7	344.7	349.5	352.5	358.0	365.1	372.3	377.4
59.5°	352.7	350.1	347.2	344.5	341.7	342.6	345.9	350.6	357.8	364.7	369.8
60°	345.2	342.6	339.8	337.7	335.4	335.5	338.2	343.3	350.6	357.2	361.8
60.5°	340.2	335.8	333.1	330.2	328.2	328.6	331.6	336.7	343.5	349.9	354.8
61°	330.4	328.6	325.8	323.2	321.6	321.9	324.5	329.5	336.3	343.1	347.1
61.5°	325.8	321.7	318.9	317.0	314.5	315.1	317.4	322.8	329.0	335.4	340.0
62°	316.3	314.2	311.5	309.3	307.8	308.4	310.9	315.5	321.7	328.3	332.6
62.5°	309.0	307.2	304.8	303.1	302.2	301.5	304.0	308.6	314.8	320.9	324.8
63°	302.4	300.2	298.1	295.7	294.1	295.2	297.4	301.6	308.1	313.9	317.5
63.5°	294.9	293.4	291.4	288.9	288.0	288.2	290.7	294.9	301.1	307.0	310.8
64°	288.2	286.6	284.6	282.6	281.4	282.0	284.1	288.3	293.9	299.7	303.3
64.5°	280.7	279.6	277.9	275.8	275.4	275.4	277.8	281.6	287.2	292.7	296.1
65°	273.9	272.8	271.2	269.9	269.0	269.2	271.2	275.4	280.8	286.0	289.2
65.5°	267.3	266.0	264.6	263.6	262.2	262.4	264.5	268.7	274.1	278.7	281.9
66°	260.4	259.3	257.8	256.5	255.6	256.5	258.1	262.3	267.2	271.7	275.0



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	240.1	239.4	238.6	237.9	237.7	238.0	239.7	243.1	247.7	251.6	253.3
68°	233.8	233.1	232.4	232.3	231.3	231.7	233.5	236.8	241.2	245.0	247.2
68.5°	226.4	226.6	226.4	225.5	225.1	225.7	227.4	230.8	234.8	238.3	240.0
69°	220.0	220.1	219.7	219.4	219.0	219.8	221.4	224.6	228.5	231.7	232.8
69.5°	213.1	213.8	213.7	213.4	213.5	213.9	215.6	218.5	222.4	225.4	226.3
70°	207.7	207.6	207.7	207.3	207.2	208.0	209.6	212.5	215.9	218.8	219.9
70.5°	199.9	201.4	201.7	201.4	201.1	202.2	204.3	206.8	209.8	212.4	212.9
71°	193.4	195.2	195.6	195.9	196.1	196.7	198.3	200.5	203.6	206.0	206.9
71.5°	187.8	189.0	189.6	189.9	190.4	190.9	192.7	194.8	197.9	199.7	200.0
72°	181.6	182.8	183.6	184.0	184.5	185.3	186.8	189.0	191.6	193.4	194.0
72.5°	175.1	176.9	178.0	178.8	179.1	179.7	181.1	183.2	185.8	187.4	187.4
73°	168.8	171.0	172.2	173.2	173.1	174.3	175.9	177.5	179.8	181.2	181.3
73.5°	163.2	165.1	166.6	167.5	168.3	168.8	170.1	172.1	174.1	175.2	174.4
74°	157.5	159.8	161.2	162.0	163.4	163.7	164.7	166.5	168.4	169.2	168.6
74.5°	151.8	154.4	155.9	156.8	158.2	158.6	159.6	161.0	162.6	163.3	162.7
75°	146.1	149.1	150.6	151.7	153.1	153.6	154.5	156.0	157.3	157.7	156.8
75.5°	140.3	143.7	145.2	146.6	147.9	148.5	149.5	150.9	151.9	152.1	150.8
76°	129.0	138.3	139.9	141.5	142.7	143.5	144.4	145.9	146.6	146.5	144.9
76.5°	129.2	132.0	134.4	136.1	137.6	138.5	139.4	140.8	141.3	140.9	139.0
77°	122.4	126.8	129.3	131.6	132.4	133.6	134.5	135.4	136.0	135.5	133.1
77.5°	117.4	120.8	124.1	126.7	127.6	128.7	129.6	130.3	130.6	129.8	127.1
78°	112.1	115.0	118.9	121.4	122.8	123.8	124.5	124.9	125.3	124.1	121.3
78.5°	106.5	110.6	114.0	116.6	118.0	119.0	119.8	120.2	120.3	118.9	115.9
79°	100.9	106.5	109.0	111.6	113.1	114.4	115.1	115.4	114.9	113.5	110.3
79.5°	95.7	100.3	104.3	107.0	108.6	109.7	110.4	110.8	110.0	108.2	104.5
80°	90.5	96.0	99.5	102.3	104.9	105.3	105.9	106.0	105.2	103.2	99.5
80.5°	86.2	90.7	95.0	98.0	99.9	101.0	101.4	101.4	100.4	98.2	94.0
81°	80.7	85.8	90.4	93.8	95.5	96.6	97.1	96.9	95.8	93.1	89.2
81.5°	75.9	81.5	86.0	89.1	91.0	92.3	92.7	92.3	91.1	88.4	83.8
82°	71.5	78.2	81.7	85.0	87.2	88.2	88.6	88.0	86.6	83.7	78.9
82.5°	67.0	72.5	77.4	81.0	82.7	84.0	84.2	83.8	82.2	79.2	74.1
83°	62.6	68.4	73.2	76.8	78.7	79.9	80.3	79.6	78.0	74.5	69.5
83.5°	58.4	64.4	69.2	72.7	75.0	76.1	76.3	75.6	73.6	70.2	65.0
84°	54.9	60.3	65.3	68.9	71.4	72.3	72.6	71.7	69.6	66.0	60.7
84.5°	50.4	56.6	61.4	65.1	66.8	68.5	68.5	67.7	65.5	61.9	56.3
85°	46.6	52.7	57.7	61.4	63.6	64.8	64.9	63.9	61.6	57.8	52.2
85.5°	42.9	48.9	54.0	57.7	60.0	61.3	61.3	60.2	58.0	54.0	48.2
86°	39.2	45.5	50.5	54.4	56.6	57.8	57.8	56.7	54.1	50.1	44.4
86.5°	35.8	42.0	47.1	50.8	53.3	54.4	54.3	53.4	50.6	46.6	41.1
87°	32.6	38.8	43.9	47.8	50.0	51.1	51.0	49.8	47.2	43.0	37.3
87.5°	29.5	35.6	40.7	44.4	46.9	48.0	47.9	46.5	43.9	39.7	33.8
88°	26.5	32.6	37.6	41.4	43.7	44.8	44.7	43.4	40.7	36.3	30.6
88.5°	23.7	29.7	34.7	38.4	40.9	41.9	41.8	40.4	37.6	33.3	27.6



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	17.0	21.9	26.7	30.4	32.5	33.6	33.4	31.8	29.1	24.9	19.9
90.5°	14.9	19.8	24.3	27.8	30.1	31.1	30.8	29.4	26.5	22.4	17.8
91°	12.8	18.0	22.0	25.5	27.7	28.6	28.4	26.9	24.1	20.0	15.8
91.5°	10.7	16.1	19.9	23.2	25.4	26.3	26.0	24.5	21.8	18.2	13.7
92°	9.2	14.3	18.2	21.2	23.3	24.1	23.8	22.4	19.7	16.4	11.7
92.5°	7.9	12.5	16.5	19.2	21.2	22.1	21.8	20.3	18.0	14.6	9.6
93°	6.8	10.7	14.8	17.6	19.3	20.1	19.9	18.5	16.4	12.7	8.3
93.5°	5.9	9.4	13.1	16.1	17.8	18.4	18.1	17.0	14.7	10.9	7.2
94°	5.2	8.3	11.4	14.6	16.3	17.0	16.7	15.5	13.0	9.6	6.3
94.5°	4.6	7.3	10.2	13.0	14.8	15.5	15.3	14.0	11.4	8.5	5.5
95°	4.2	6.5	9.1	11.5	13.3	14.1	13.9	12.5	10.2	7.5	4.9
95.5°	3.9	5.9	8.2	10.3	11.8	12.7	12.4	11.0	9.1	6.7	4.5
96°	3.7	5.4	7.5	9.4	10.7	11.2	11.0	10.0	8.2	6.1	4.1
96.5°	3.6	5.0	6.8	8.6	9.8	10.3	10.1	9.1	7.5	5.6	3.9
97°	3.4	4.8	6.4	7.9	9.0	9.4	9.2	8.3	6.9	5.2	3.7
97.5°	3.3	4.6	6.0	7.3	8.3	8.7	8.5	7.7	6.4	5.0	3.6
98°	3.2	4.5	5.7	6.9	7.7	8.0	7.9	7.2	6.1	4.8	3.5
98.5°	3.2	4.4	5.5	6.5	7.3	7.6	7.4	6.8	5.8	4.7	3.4
99°	3.1	4.3	5.4	6.3	6.9	7.2	7.0	6.5	5.6	4.5	3.4
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	6.4	6.6	6.5	6.0	5.2	4.2	3.2
101°	3.0	4.0	4.9	5.7	6.2	6.4	6.3	5.9	5.1	4.2	3.1
101.5°	2.9	3.9	4.8	5.6	6.1	6.3	6.2	5.7	5.0	4.1	3.1
102°	2.9	3.8	4.7	5.5	6.0	6.2	6.1	5.6	4.9	4.0	3.1
102.5°	2.9	3.8	4.7	5.4	5.9	6.0	5.9	5.5	4.8	4.0	3.0
103°	2.8	3.8	4.6	5.3	5.8	5.9	5.8	5.4	4.8	3.9	3.0
103.5°	2.8	3.7	4.5	5.2	5.7	5.8	5.7	5.3	4.7	3.9	2.9
104°	2.8	3.7	4.5	5.1	5.6	5.7	5.6	5.2	4.6	3.8	2.9
104.5°	2.8	3.7	4.4	5.1	5.5	5.6	5.5	5.2	4.6	3.8	2.8
105°	2.8	3.6	4.4	5.0	5.4	5.5	5.5	5.1	4.5	3.7	2.8
105.5°	2.8	3.6	4.3	4.9	5.3	5.5	5.4	5.0	4.4	3.7	2.8
106°	2.8	3.5	4.3	4.9	5.3	5.4	5.3	5.0	4.4	3.6	2.8
106.5°	2.8	3.5	4.3	4.8	5.2	5.3	5.2	4.9	4.4	3.6	2.7
107°	2.7	3.5	4.2	4.8	5.2	5.3	5.2	4.8	4.3	3.5	2.7
107.5°	2.7	3.4	4.1	4.8	5.1	5.2	5.1	4.8	4.2	3.5	2.7
108°	2.7	3.4	4.1	4.7	5.1	5.2	5.1	4.8	4.2	3.5	2.7
108.5°	2.7	3.4	4.0	4.6	5.0	5.1	5.0	4.7	4.1	3.4	2.7
109°	2.7	3.4	4.0	4.6	5.0	5.1	5.0	4.6	4.1	3.4	2.6
109.5°	2.7	3.4	4.0	4.5	4.9	5.0	4.9	4.5	4.0	3.4	2.6
110°	2.7	3.3	3.9	4.5	4.8	4.9	4.8	4.5	4.0	3.4	2.5
110.5°	2.7	3.3	3.9	4.4	4.8	4.9	4.8	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: P563518

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

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	4.3	4.5	4.6	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	3.8	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	3.7	3.0	2.0
115°	2.0	3.1	3.7	4.1	4.4	4.4	4.4	4.1	3.6	3.0	1.9
115.5°	2.0	3.0	3.7	4.1	4.3	4.4	4.3	4.1	3.6	2.9	1.9
116°	2.0	3.0	3.6	4.0	4.3	4.4	4.3	4.0	3.6	2.8	1.8
116.5°	1.9	2.9	3.6	4.0	4.3	4.3	4.2	4.0	3.5	2.7	1.8
117°	1.9	2.8	3.6	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	4.2	3.9	3.4	2.5	1.7
118°	1.8	2.5	3.4	3.9	4.1	4.2	4.1	3.9	3.3	2.4	1.6
118.5°	1.8	2.4	3.4	3.9	4.1	4.2	4.1	3.8	3.2	2.3	1.6
119°	1.8	2.4	3.3	3.8	4.1	4.1	4.1	3.8	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	1.6
120°	1.7	2.2	3.0	3.6	4.0	4.1	4.0	3.6	3.0	2.1	1.5
120.5°	1.6	2.2	2.9	3.6	3.9	4.0	3.9	3.5	2.8	2.1	1.4
121°	1.5	2.1	2.8	3.5	3.8	3.9	3.8	3.4	2.7	2.0	1.3
121.5°	1.5	2.1	2.7	3.4	3.7	3.8	3.7	3.3	2.6	2.0	1.2
122°	1.5	2.1	2.6	3.3	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	2.5	1.9	1.2
123°	1.5	2.0	2.5	3.0	3.4	3.5	3.4	2.9	2.4	1.8	1.3
123.5°	1.6	2.0	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	2.8	3.1	3.3	3.1	2.7	2.3	1.8	1.3
124.5°	1.6	1.9	2.3	2.7	3.0	3.1	3.0	2.6	2.2	1.8	1.3
125°	1.6	1.8	2.2	2.6	2.9	3.0	2.9	2.6	2.2	1.7	1.4
125.5°	1.7	1.6	2.2	2.5	2.8	2.9	2.8	2.5	2.1	1.5	1.4
126°	1.7	1.5	2.2	2.5	2.7	2.8	2.7	2.4	2.1	1.4	1.4
126.5°	1.7	1.6	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	2.4	2.6	2.7	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	2.3	2.0	1.4	1.5
128°	1.8	1.6	2.0	2.3	2.4	2.5	2.4	2.2	1.9	1.5	1.6
128.5°	1.8	1.6	1.8	2.2	2.4	2.5	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	2.3	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°	2.0	1.8	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	1.6	1.7	1.8
132°	2.1	1.8	1.7	1.6	2.0	2.1	1.9	1.5	1.6	1.7	1.8
132.5°	2.1	1.9	1.7	1.6	1.8	2.0	1.8	1.5	1.6	1.8	1.8
133°	2.1	1.9	1.7	1.6	1.6	1.8	1.6	1.6	1.6	1.8	1.9
133.5°	2.2	1.9	1.8	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.9



TEST NUMBER: P563518

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

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	1.9	2.0	2.4
136.5°	2.7	2.1	2.0	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	1.8	1.8	1.9	2.1	2.5
137.5°	2.5	2.2	2.0	1.9	1.8	1.8	1.8	1.9	2.0	2.1	2.3
138°	2.5	2.3	2.1	1.9	1.8	1.8	1.8	1.9	2.0	2.2	2.2
138.5°	2.6	2.3	2.1	2.0	1.9	1.8	1.9	1.9	2.0	2.2	2.2
139°	2.6	2.4	2.1	2.0	1.9	1.9	1.9	2.0	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°	2.6	2.9	2.3	2.1	2.0	2.0	2.0	2.1	2.2	2.7	2.3
141.5°	2.6	2.8	2.3	2.2	2.1	2.0	2.1	2.1	2.3	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	2.3	2.2	2.1	2.1	2.2	2.3	2.5	2.3
143°	2.6	2.6	2.6	2.3	2.2	2.2	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	2.7	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	2.5	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	2.4
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	2.7	2.7	3.0	2.6	2.5	2.6	2.9	2.5	2.5	2.3
147°	2.5	2.7	2.7	2.9	2.8	2.7	2.8	2.8	2.6	2.6	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	2.7	2.6	2.7	2.8	2.9	2.8	2.6	2.5	2.6	2.3
149°	2.3	2.7	2.6	2.7	2.6	2.8	2.6	2.6	2.5	2.6	2.3
149.5°	2.3	2.6	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.3
150°	2.3	2.6	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.3
150.5°	2.3	2.5	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	2.7	2.6	2.6	2.6	2.5	2.3
151.5°	2.3	2.5	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.3
152°	2.3	2.4	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.3
152.5°	2.3	2.4	2.6	2.7	2.6	2.6	2.6	2.7	2.6	2.4	2.3
153°	2.3	2.4	2.6	2.7	2.7	2.6	2.6	2.7	2.6	2.4	2.4
153.5°	2.4	2.3	2.5	2.7	2.7	2.7	2.7	2.7	2.5	2.4	2.4
154°	2.4	2.3	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.4
154.5°	2.4	2.3	2.4	2.6	2.7	2.7	2.7	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	2.5	2.4	2.5
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	2.5	2.5	2.6	2.6	2.5	2.4	2.4	2.5



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.6	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.6
158°	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.6
158.5°	2.4	2.5	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	2.4	2.3	2.4	2.6	2.6
159.5°	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.4	2.5	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	2.4	2.5	2.4	2.3	2.3	2.3	2.4	2.5	2.7	2.6
161°	2.6	2.3	2.5	2.4	2.4	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	2.5	2.6	2.7	2.7
162°	2.5	2.6	2.5	2.5	2.4	2.4	2.4	2.5	2.6	2.7	2.7
162.5°	2.2	2.6	2.6	2.5	2.5	2.4	2.5	2.5	2.6	2.7	2.6
163°	2.1	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.7	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	2.6	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	2.7	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	2.7	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.6
166°	2.5	2.1	2.7	2.6	2.7	2.7	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°	2.5	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	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.6
168°	2.3	2.5	2.4	2.7	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°	1.9	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	2.5	2.7	2.7	2.7	2.7	2.7	2.5
170°	1.7	1.9	2.3	2.6	2.4	2.7	2.7	2.7	2.7	2.6	2.3
170.5°	1.7	1.7	2.3	2.4	2.5	2.7	2.7	2.7	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	2.3
171.5°	1.7	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	1.8	2.4	2.6	2.6	2.6	2.6	2.5	2.2
172.5°	1.6	1.7	1.7	1.8	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	2.5	2.4	2.1
173.5°	1.6	1.7	1.7	1.7	2.2	2.3	2.5	2.5	2.4	2.3	2.1
174°	1.6	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	1.7	1.7	1.7	2.1	2.4	2.4	2.4	2.1	1.7
175°	1.6	1.6	1.6	1.7	1.6	2.1	2.2	2.4	2.2	2.1	1.6
175.5°	1.6	1.6	1.6	1.6	1.6	2.0	2.1	2.3	2.1	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	1.8	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.6	1.5
178°	1.6	1.5	1.6	1.6	1.6	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: P563518
CATALOG NUMBER: 2NWS23C3-NUV-HI-5000K

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: P563518

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	997.6	997.6	997.6	997.6
0.5°	998.2	996.4	993.4	997.7
1°	997.6	996.9	999.8	998.3
1.5°	998.3	996.3	997.3	997.1
2°	997.6	996.3	997.0	997.3
2.5°	997.9	995.6	998.2	996.7
3°	997.0	995.8	996.4	997.8
3.5°	997.2	995.0	996.5	997.0
4°	996.0	994.0	997.7	996.2
4.5°	995.1	995.0	994.4	994.6
5°	995.2	993.4	995.2	994.6
5.5°	994.0	992.5	992.5	993.3
6°	993.8	993.0	994.3	992.3
6.5°	991.4	989.7	991.6	990.0
7°	989.8	989.0	990.6	990.2
7.5°	988.1	988.5	989.9	988.2
8°	986.8	985.2	987.1	986.4
8.5°	985.6	984.5	985.2	984.8
9°	984.2	982.7	983.4	983.8
9.5°	981.8	981.9	983.2	980.4
10°	980.0	978.9	982.7	981.1
10.5°	978.3	976.7	971.0	978.1
11°	975.6	975.2	975.1	975.1
11.5°	973.7	971.4	977.2	974.3
12°	971.2	969.7	977.5	970.3
12.5°	968.3	967.6	964.4	967.4
13°	966.5	965.1	965.4	964.2
13.5°	963.1	962.6	965.7	963.1
14°	960.5	958.3	960.1	958.4
14.5°	957.5	956.4	959.8	955.2
15°	953.7	953.8	957.2	956.4
15.5°	951.0	949.3	946.6	949.3
16°	948.1	945.9	945.5	947.3
16.5°	945.1	942.9	949.1	941.2
17°	940.8	938.2	939.7	941.1
17.5°	936.6	935.6	939.4	936.3
18°	933.7	932.7	935.2	933.1
18.5°	930.2	927.1	929.1	928.9
19°	925.5	925.4	925.6	924.5
19.5°	921.5	919.4	921.5	920.2
20°	917.6	915.1	918.5	917.0
20.5°	913.8	912.2	912.5	912.0
21°	908.9	908.7	910.1	908.1



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	895.2	893.3	900.0	894.5
23°	890.4	889.3	890.6	890.0
23.5°	885.6	885.4	888.8	888.5
24°	879.6	878.3	879.5	881.0
24.5°	875.0	874.3	875.2	886.9
25°	869.6	868.0	869.3	871.1
25.5°	864.5	863.7	865.2	863.5
26°	859.1	856.4	859.9	857.6
26.5°	854.5	854.2	853.7	853.2
27°	848.7	848.0	849.3	846.5
27.5°	842.9	841.4	843.4	840.7
28°	837.2	836.2	837.1	838.1
28.5°	830.9	830.1	831.9	837.3
29°	825.4	823.9	826.1	820.2
29.5°	819.1	819.1	819.9	819.6
30°	812.7	811.9	813.3	811.2
30.5°	806.8	806.7	807.1	806.5
31°	800.7	800.6	801.4	797.9
31.5°	794.1	792.6	795.1	794.0
32°	787.8	788.2	788.6	784.1
32.5°	781.3	782.1	782.4	782.5
33°	775.1	772.6	775.5	773.4
33.5°	768.5	768.7	769.3	765.9
34°	761.2	762.3	762.5	758.8
34.5°	754.5	754.9	755.9	755.8
35°	747.7	748.1	748.9	747.7
35.5°	741.2	741.1	741.3	740.0
36°	733.9	734.3	737.8	733.9
36.5°	727.0	726.3	726.9	726.6
37°	719.6	719.7	721.3	719.9
37.5°	712.4	712.1	713.1	710.5
38°	705.3	705.3	707.0	700.9
38.5°	698.6	698.7	697.3	694.5
39°	691.0	692.0	692.0	687.4
39.5°	683.7	683.2	683.8	684.4
40°	675.7	676.3	678.5	678.5
40.5°	668.6	669.4	670.8	669.4
41°	660.8	661.9	662.6	660.2
41.5°	653.7	654.8	655.8	659.2
42°	646.6	647.0	648.7	645.9
42.5°	638.8	638.3	638.6	637.7
43°	630.8	631.4	633.2	630.5
43.5°	623.2	623.8	624.9	622.8



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	599.8	599.9	601.5	600.2
45.5°	592.5	592.4	593.7	592.7
46°	584.3	584.9	586.8	581.5
46.5°	576.5	577.3	578.1	577.1
47°	568.9	568.5	571.1	569.7
47.5°	560.9	561.8	562.7	560.4
48°	553.2	554.5	555.1	550.7
48.5°	545.3	547.1	546.7	544.2
49°	537.4	538.5	539.0	539.9
49.5°	529.6	530.7	531.8	528.4
50°	521.4	522.7	522.9	522.5
50.5°	513.9	515.5	515.0	515.9
51°	506.0	506.9	507.4	505.8
51.5°	498.5	499.8	499.6	497.8
52°	490.1	491.4	492.2	490.2
52.5°	482.2	483.7	483.8	482.6
53°	474.7	475.6	476.3	473.7
53.5°	466.9	468.2	468.3	466.3
54°	458.7	459.9	460.5	458.7
54.5°	451.0	452.2	452.4	450.2
55°	443.4	444.0	444.7	443.2
55.5°	435.9	436.6	437.3	435.1
56°	427.5	428.5	429.4	427.0
56.5°	420.0	420.7	421.5	419.2
57°	412.1	412.9	413.8	410.4
57.5°	404.3	405.5	404.9	403.3
58°	396.8	397.7	398.1	396.6
58.5°	389.0	390.1	390.0	387.8
59°	381.3	382.1	382.5	381.5
59.5°	373.6	374.4	374.6	372.3
60°	366.0	366.9	366.9	364.9
60.5°	358.5	359.2	359.3	356.9
61°	350.9	351.6	351.9	350.1
61.5°	343.7	343.6	344.5	342.5
62°	335.8	336.7	336.7	333.9
62.5°	328.2	328.9	328.6	326.7
63°	320.7	321.2	320.9	318.9
63.5°	313.4	313.7	313.7	311.4
64°	305.9	305.9	305.4	303.4
64.5°	298.7	298.8	298.4	296.1
65°	291.4	291.8	290.7	288.4
65.5°	284.1	283.9	283.0	280.9
66°	276.9	276.7	276.7	273.7



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	255.3	254.6	253.7	251.0
68°	248.4	247.3	246.4	244.0
68.5°	241.2	240.4	239.0	235.8
69°	234.2	232.8	231.5	228.7
69.5°	227.2	225.9	224.3	221.5
70°	220.3	218.5	216.9	214.7
70.5°	213.4	211.7	209.7	206.9
71°	206.5	204.7	202.6	199.5
71.5°	199.8	198.0	195.7	192.5
72°	193.1	190.5	188.6	185.5
72.5°	186.2	184.0	181.3	178.8
73°	179.7	176.9	174.6	171.7
73.5°	173.2	170.3	167.8	164.6
74°	166.8	163.9	161.1	157.7
74.5°	160.6	157.4	154.4	150.8
75°	154.4	150.9	147.7	143.9
75.5°	148.2	144.5	141.0	137.1
76°	142.0	138.0	134.3	130.6
76.5°	135.9	131.5	127.8	123.6
77°	129.9	125.4	121.5	117.2
77.5°	123.6	119.1	115.2	111.4
78°	117.7	112.9	108.8	104.6
78.5°	111.9	106.9	102.7	98.0
79°	106.0	100.9	96.3	92.5
79.5°	100.2	94.7	90.1	86.2
80°	94.6	89.1	84.3	80.1
80.5°	89.2	83.4	78.4	74.3
81°	83.9	77.8	72.7	68.6
81.5°	78.6	72.4	67.2	63.4
82°	73.4	67.0	61.6	58.3
82.5°	68.3	61.9	56.6	53.2
83°	63.4	56.9	51.4	48.1
83.5°	58.7	51.9	46.4	43.0
84°	54.4	47.5	41.8	38.4
84.5°	49.8	42.9	37.2	33.7
85°	45.7	38.5	32.8	29.5
85.5°	41.6	34.5	28.7	25.3
86°	37.7	30.6	24.8	21.5
86.5°	34.0	26.8	21.6	17.8
87°	30.5	23.5	18.4	14.4
87.5°	27.2	20.7	15.2	11.2
88°	24.0	17.9	12.0	8.2
88.5°	21.1	15.2	8.8	6.5



TEST NUMBER: P563518

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	14.2	7.7	3.2	1.8
90.5°	11.8	6.0	2.1	0.3
91°	9.6	4.7	1.4	0.2
91.5°	8.0	3.6	1.0	0.2
92°	6.6	2.9	0.8	0.2
92.5°	5.5	2.3	0.7	0.2
93°	4.6	2.0	0.6	0.1
93.5°	4.0	1.8	0.6	0.1
94°	3.5	1.7	0.5	0.1
94.5°	3.1	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°	2.3	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°	2.1	1.2	0.5	0.6
102.5°	2.0	1.2	0.6	0.7
103°	2.0	1.2	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°	2.0	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°	1.8	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	1.5
111°	1.5	1.1	1.1	1.5



TEST NUMBER: P563518

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

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	1.8
116°	1.1	1.4	1.5	1.8
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	1.7
118°	1.2	1.4	1.5	1.6
118.5°	1.2	1.4	1.5	1.6
119°	1.2	1.4	1.5	1.6
119.5°	1.2	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	1.7
121.5°	1.4	1.6	1.7	1.7
122°	1.4	1.6	1.7	1.7
122.5°	1.4	1.6	1.7	1.7
123°	1.5	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°	1.6	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°	1.7	1.8	1.9	1.8
126.5°	1.7	1.8	1.9	1.8
127°	1.7	1.8	1.9	1.8
127.5°	1.8	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°	1.9	1.9	1.9	1.9
130.5°	1.9	1.9	1.9	1.9
131°	1.9	2.0	2.0	1.9
131.5°	1.9	2.0	2.0	1.9
132°	1.9	2.0	2.0	1.9
132.5°	1.9	2.0	2.0	2.0
133°	1.9	2.0	2.0	2.0
133.5°	2.0	2.0	2.0	2.0



TEST NUMBER: P563518

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

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	2.2	2.0	2.0
137°	2.1	2.2	2.1	2.0
137.5°	2.1	2.2	2.1	2.0
138°	2.2	2.3	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	2.2
142.5°	2.2	2.6	2.2	2.2
143°	2.2	2.6	2.2	2.2
143.5°	2.2	2.6	2.2	2.2
144°	2.3	2.6	2.2	2.2
144.5°	2.3	2.7	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	2.2	2.1
150°	2.6	2.7	2.2	2.1
150.5°	2.6	2.7	2.2	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	2.7	2.1	2.1
155.5°	2.7	2.7	2.1	2.2
156°	2.7	2.6	2.1	2.2



TEST NUMBER: P563518

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

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	2.1	2.1
159.5°	2.7	2.6	2.1	2.1
160°	2.7	2.6	2.1	2.2
160.5°	2.7	2.6	2.1	2.2
161°	2.7	2.6	2.1	2.2
161.5°	2.7	2.6	2.1	2.1
162°	2.7	2.6	2.1	2.0
162.5°	2.7	2.6	2.1	1.9
163°	2.7	2.5	2.1	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	2.5	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	2.4	2.0	1.8
166.5°	2.5	2.3	2.0	1.8
167°	2.5	2.3	2.0	1.7
167.5°	2.5	2.3	2.0	1.5
168°	2.5	2.2	2.0	1.5
168.5°	2.3	2.1	1.8	1.4
169°	2.2	2.0	1.6	1.4
169.5°	2.2	1.6	1.5	1.5
170°	2.2	1.6	1.5	1.5
170.5°	2.1	1.6	1.5	1.5
171°	2.1	1.6	1.6	1.4
171.5°	2.0	1.6	1.6	1.4
172°	1.9	1.6	1.6	1.5
172.5°	1.7	1.6	1.6	1.5
173°	1.6	1.5	1.5	1.4
173.5°	1.6	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	1.5
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	1.7	1.9



TEST NUMBER: P563518

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

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°	903.0	904.2	892.3	907.8	898.4	896.5	894.2	894.0	890.9	888.3	886.0
22°	898.7	888.8	889.8	902.7	893.9	891.5	889.3	886.6	885.5	882.7	882.1



44°	614.7	614.2	609.1	617.0	605.0	598.8	591.1	584.4	577.5	573.6	571.8
44.5°	608.0	606.3	599.8	609.2	597.3	590.3	582.8	576.2	569.7	565.4	563.9



66.5°	265.7	265.3	262.2	267.8	260.4	256.5	251.1	247.4	243.4	241.0	240.5
67°	258.2	257.9	255.1	259.1	253.5	249.5	244.7	241.2	236.9	234.7	233.9



89°	5.0	5.6	9.5	15.7	21.8	27.4	31.8	35.1	36.8	37.2	36.4
89.5°	3.4	4.2	7.6	13.6	19.5	25.0	29.4	32.6	34.3	34.8	33.9



111.5°	1.5	1.5	1.2	1.2	1.4	1.4	1.5	1.7	1.9	2.0	2.0
112°	1.6	1.5	1.2	1.2	1.5	1.5	1.5	1.7	1.8	1.9	1.9



134°	2.0	2.1	2.0	2.4	3.2	2.3	2.2	2.1	2.0	2.0	2.0
134.5°	2.0	2.1	2.0	2.3	3.2	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	2.1	2.1	2.2	2.3	2.2
157°	2.2	2.0	2.4	2.5	2.4	2.3	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°	884.8	880.6	886.6	883.4	883.8	883.7	882.9	884.5	891.2	879.8	892.5
22°	882.7	881.4	880.2	879.4	879.3	877.6	880.1	879.1	878.7	872.1	890.8



44°	574.8	578.5	582.3	587.6	587.7	587.3	588.1	588.6	590.9	585.7	598.0
44.5°	566.6	571.7	576.7	578.5	580.6	580.0	580.4	581.2	581.6	578.2	589.4



66.5°	241.9	244.5	247.2	248.4	249.0	247.8	247.2	248.1	248.7	249.2	255.3
67°	235.6	237.9	240.5	241.5	241.9	240.8	239.9	241.0	241.5	242.3	248.5



89°	34.5	31.2	26.6	20.8	14.6	8.4	4.3	1.6	4.0	8.7	15.5
89.5°	32.1	28.8	24.3	18.7	12.6	6.8	3.0	0.2	2.7	6.9	13.1



111.5°	1.8	1.6	1.5	1.4	1.3	1.4	1.7	1.6	1.5	1.4	1.6
112°	1.7	1.6	1.6	1.5	1.4	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	2.0	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	2.1	2.2	2.4	2.5	2.5	2.2	2.2	2.0	2.5	2.7
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	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.2
179.5°	1.1	1.5	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2





21.5°	888.0	887.7	889.8	892.1	892.0	893.1	894.0	895.0	899.7	902.7	901.3
22°	882.5	883.5	885.2	890.5	888.7	893.4	889.8	890.9	895.3	897.8	898.5



44°	590.2	588.3	585.4	584.9	581.1	582.1	584.2	590.7	598.9	606.7	611.3
44.5°	582.7	580.8	577.8	576.0	571.4	572.8	576.6	583.3	591.6	598.9	604.0



66.5°	253.4	252.8	251.6	250.3	249.8	250.1	252.1	256.0	260.8	264.9	268.5
67°	246.8	245.9	244.9	244.8	243.3	244.2	245.8	249.3	254.1	258.2	261.5



89°	21.2	26.9	31.9	35.7	38.0	39.0	38.8	37.4	34.5	30.3	24.7
89.5°	19.1	24.5	29.2	32.9	35.3	36.2	36.1	34.6	31.8	27.5	22.0



111.5°	2.6	3.3	3.9	4.3	4.7	4.7	4.6	4.3	3.9	3.3	2.5
112°	2.5	3.3	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	2.0
134.5°	2.4	2.0	1.8	1.7	1.6	1.6	1.6	1.6	1.8	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°	2.6	2.3	2.3	2.4	2.4	2.5	2.5	2.4	2.4	2.5	2.6



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	1.6	1.2	1.2	1.1	1.0	1.3	1.3	1.6





21.5°	904.4	903.0	906.1	903.0
22°	899.5	899.7	899.8	898.7



44°	615.5	616.1	615.9	614.7
44.5°	608.0	609.1	609.0	608.0



66.5°	269.7	269.6	268.3	265.7
67°	262.6	262.0	260.9	258.2



89°	18.8	12.4	6.5	5.0
89.5°	16.5	9.7	4.6	3.4



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



134°	2.0	2.0	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	2.2



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



(END OF REPORT)