

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: P563528

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032a-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2NWS23C3-UNV-LOW-3500K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

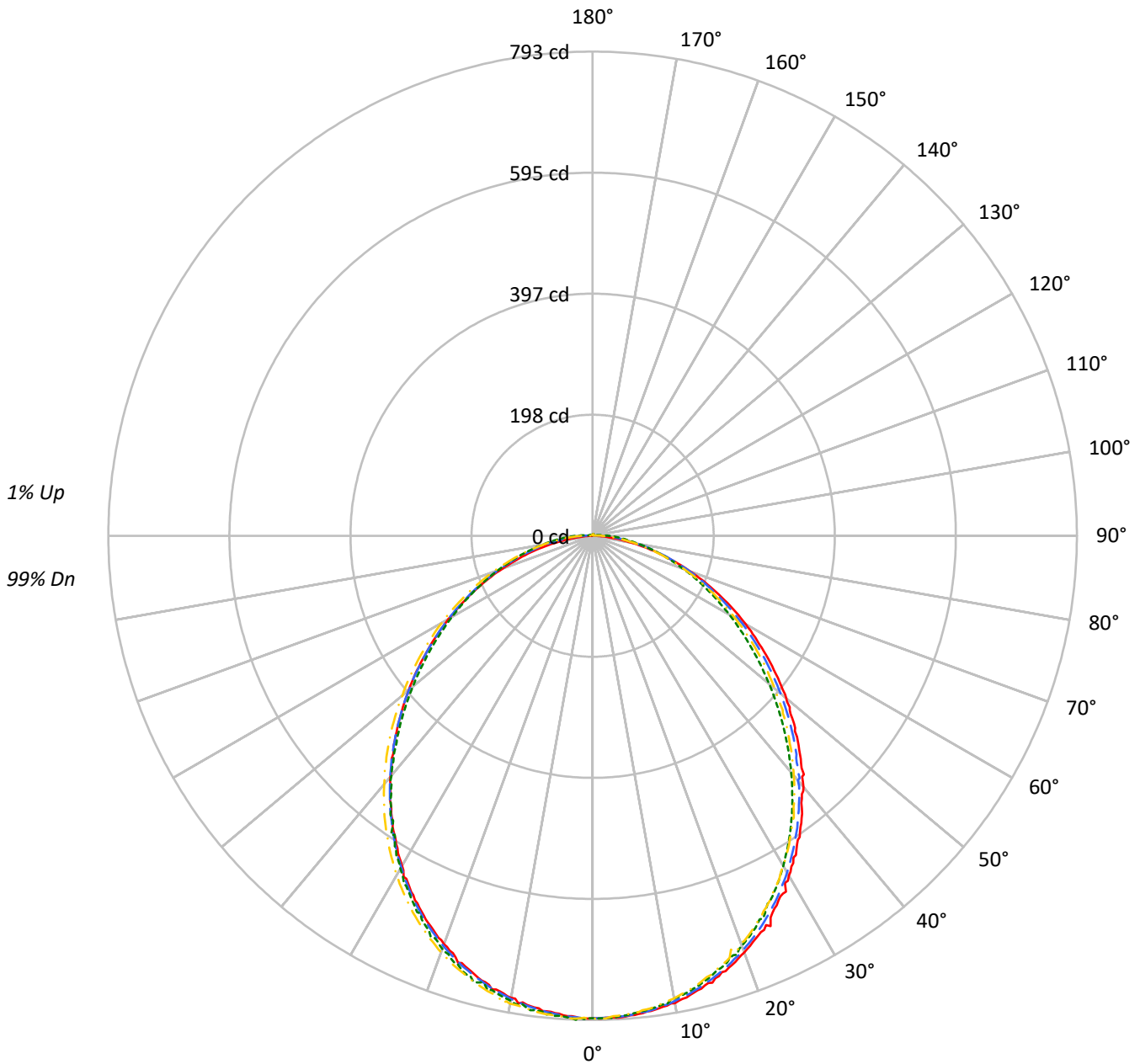
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86				84																
2	99	91	85	79	97	89	83	78	86	80	76	82	78	74	79	76	72				70																
3	91	80	73	66	88	79	71	66	76	69	64	73	68	63	70	66	62				60																
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54				51																
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47				45																
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41				39																
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37				35																
8	62	48	40	34	60	48	40	34	46	39	34	45	38	33	44	38	33				31																
9	58	44	36	31	56	44	36	31	43	35	31	41	35	30	40	34	30				28																
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	37	32	27				26																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9608	9608	9608	9608
5°	9580	9424	9517	9432
10°	9524	9201	9417	9240
15°	9431	8954	9270	9056
20°	9258	8654	9072	8718
25°	9080	8303	8839	8393
30°	8811	7910	8559	7976
35°	8542	7446	8228	7470
40°	8243	6937	7901	7025
45°	7848	6391	7488	6485
50°	7459	5834	7081	5944
55°	7025	5283	6645	5408
60°	6558	4744	6190	4878
65°	6036	4222	5637	4376
70°	5424	3700	5012	3866
75°	4637	3164	4262	3363
80°	3599	2603	3185	2830
85°	2204	2117	1798	2277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	3.7
10°-20°	211.3	10.5
20°-30°	312.4	15.6
30°-40°	361.1	18.0
40°-50°	352.9	17.6
50°-60°	298.4	14.9
60°-70°	215.8	10.7
70°-80°	123.0	6.1
80°-90°	43.1	2.1
90°-100°	7.0	0.4
100°-110°	2.2	0.1
110°-120°	1.7	0.1
120°-130°	1.4	0.1
130°-140°	1.3	0.1
140°-150°	1.3	0.1
150°-160°	0.9	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	598.3	29.8
0°-40°	959.4	47.8
0°-60°	1610.7	80.2
0°-90°	1992.5	99.2
90°-120°	11.0	0.5
90°-150°	14.9	0.7
90°-180°	16.0	0.8
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	790	790	790	790	790	
5°	788	785	783	786	788	75
15°	758	747	745	756	758	213
25°	690	673	672	680	690	317
35°	592	568	570	569	592	370
45°	475	441	454	448	475	367
55°	351	316	332	324	351	314
65°	228	206	213	213	228	226
75°	114	114	105	122	114	121
85°	23	48	19	51	23	27
90°	1	26	0	27	1	1
95°	0	12	0	11	0	0
105°	1	3	1	4	1	1
115°	1	1	1	4	1	1
125°	1	1	1	2	1	1
135°	2	2	2	1	2	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	1	2	2	2	1	0
175°	1	2	1	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°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3
0.5°	790.3	793.2	784.7	800.5	790.3	790.1	790.4	792.2	789.5	790.9	789.5
1°	790.9	792.0	784.1	796.6	790.0	790.2	790.2	793.1	790.9	790.2	789.1
1.5°	789.9	791.6	783.5	801.9	789.6	790.2	789.8	793.5	791.6	790.5	788.7
2°	790.1	789.7	783.2	799.4	789.9	789.3	790.5	791.0	789.9	789.7	790.2
2.5°	789.6	788.4	783.3	795.9	791.3	789.2	789.3	789.3	789.5	790.9	787.8
3°	790.5	789.8	783.2	796.4	789.3	789.4	789.2	793.2	788.1	788.1	787.6
3.5°	789.8	787.6	782.3	795.5	789.0	788.1	788.4	791.5	788.8	787.8	786.7
4°	789.2	792.7	786.3	799.2	788.4	788.0	787.6	788.1	787.4	787.4	786.6
4.5°	787.9	789.2	782.0	796.3	788.1	786.9	786.5	788.6	787.0	786.0	786.4
5°	787.9	790.2	780.7	793.5	787.4	786.1	786.6	786.7	785.9	784.9	783.8
5.5°	786.9	786.4	781.3	794.8	785.6	784.7	785.2	786.9	785.4	784.2	782.7
6°	786.1	789.1	779.3	790.6	784.8	784.5	784.6	782.4	784.1	782.8	782.4
6.5°	784.3	781.2	778.4	791.7	784.7	783.6	783.3	785.2	783.9	782.1	779.9
7°	784.4	786.8	777.1	791.2	783.4	782.0	782.0	790.8	783.0	780.6	780.1
7.5°	782.8	782.4	779.4	790.8	782.0	780.9	780.8	778.0	781.1	779.4	778.1
8°	781.4	781.7	775.2	789.7	780.0	779.3	779.1	781.1	778.5	778.0	775.4
8.5°	780.1	781.4	773.0	788.0	779.2	778.1	777.2	777.2	778.5	776.1	774.7
9°	779.3	783.8	773.1	785.1	777.5	776.8	776.2	777.1	775.6	777.0	772.3
9.5°	776.6	777.5	770.5	781.8	776.0	775.4	774.8	775.9	773.5	771.4	771.7
10°	777.2	776.6	769.2	783.6	774.0	773.5	773.1	772.3	774.0	770.0	770.3
10.5°	774.8	774.0	767.6	780.2	772.2	771.9	771.0	769.6	769.4	768.5	768.3
11°	772.5	771.3	767.4	779.5	771.8	769.5	769.3	770.0	769.1	767.1	766.2
11.5°	771.8	770.2	764.3	774.8	768.8	767.3	767.0	766.9	766.1	764.7	764.1
12°	768.6	768.6	762.9	773.6	767.0	765.8	765.3	764.6	761.9	762.7	761.1
12.5°	766.4	765.8	759.7	772.6	764.5	763.5	762.5	764.3	761.4	760.0	758.6
13°	763.8	765.8	763.4	768.6	762.5	761.4	760.7	759.3	759.1	758.2	756.4
13.5°	762.9	762.1	756.1	773.8	760.8	758.9	758.2	757.3	757.2	755.6	754.0
14°	759.2	760.6	754.6	767.0	757.4	756.4	755.6	756.3	755.0	752.6	751.1
14.5°	756.7	758.5	723.5	765.1	754.8	753.9	752.9	758.6	751.1	750.4	748.0
15°	757.7	754.7	746.6	757.1	753.0	751.2	750.5	751.2	749.9	747.2	745.6
15.5°	752.0	747.3	746.5	761.9	749.9	748.6	747.4	746.1	748.4	743.6	743.3
16°	750.5	751.2	743.5	751.2	746.5	745.9	744.9	744.4	742.6	740.1	740.4
16.5°	745.6	747.9	740.0	754.8	744.6	743.2	741.4	740.8	739.7	738.6	737.3
17°	745.5	743.9	756.9	750.9	741.7	740.2	739.2	738.4	736.2	736.2	733.5
17.5°	741.7	741.3	734.7	748.9	738.4	737.1	735.7	737.1	737.3	732.6	730.4
18°	739.2	738.7	730.3	745.0	735.2	734.4	733.1	732.9	730.8	726.9	727.3
18.5°	735.9	736.6	729.5	741.3	731.6	730.5	729.9	729.8	727.4	724.6	724.0
19°	732.4	733.2	727.9	738.1	729.3	727.5	726.7	727.0	724.0	725.9	720.4
19.5°	729.0	731.1	725.1	735.2	726.8	724.1	722.8	721.9	720.9	718.1	717.1
20°	726.4	724.1	720.9	732.0	722.8	720.5	719.5	717.5	717.0	714.6	713.4
20.5°	722.5	721.4	716.5	728.2	719.1	717.2	715.9	716.8	714.4	710.9	710.4
21°	719.4	718.7	712.3	724.1	715.6	713.6	712.7	711.9	710.2	706.9	705.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	708.6	711.7	701.6	712.2	704.4	702.3	701.7	702.1	698.1	695.7	694.0
23°	705.1	702.9	699.0	712.0	700.4	698.5	697.4	694.4	693.1	690.6	689.1
23.5°	703.9	703.3	693.5	707.9	696.5	694.9	694.5	693.9	689.4	685.4	685.2
24°	697.9	696.1	692.0	702.6	692.4	690.2	694.0	687.1	685.0	686.0	681.1
24.5°	702.6	692.7	685.3	694.9	688.2	686.1	684.6	683.5	680.5	680.0	676.2
25°	690.0	688.0	684.2	694.3	684.0	682.1	679.7	676.8	675.7	673.1	672.6
25.5°	684.0	683.4	676.8	692.5	680.0	677.4	675.1	676.5	671.8	666.6	668.0
26°	679.4	678.6	673.5	683.8	675.3	673.0	671.5	673.6	667.0	664.2	663.5
26.5°	675.9	675.6	668.1	679.7	671.5	668.4	667.3	663.8	661.9	659.7	656.9
27°	670.6	670.5	661.1	674.1	666.7	664.2	661.7	659.8	657.7	654.7	653.6
27.5°	666.0	665.4	658.5	670.4	662.1	659.7	656.8	655.8	654.2	650.0	648.5
28°	663.9	661.8	653.9	665.7	657.2	655.1	652.6	651.6	647.1	645.0	643.3
28.5°	663.3	659.0	652.4	661.9	652.3	649.8	647.9	646.9	642.2	640.1	638.5
29°	649.7	651.7	645.8	655.6	647.6	644.9	643.3	639.8	637.7	634.7	633.0
29.5°	649.3	649.0	641.1	651.9	643.2	640.1	636.6	635.0	632.2	629.7	627.9
30°	642.7	640.0	634.2	648.4	638.2	635.5	632.1	633.6	627.3	624.5	622.8
30.5°	638.9	644.9	631.6	642.3	633.2	630.6	627.4	624.8	622.4	619.0	617.3
31°	632.1	633.9	625.5	636.0	628.1	625.3	622.3	619.2	616.5	613.4	612.3
31.5°	629.0	627.3	627.5	632.6	622.8	619.8	616.9	615.2	610.8	607.8	606.3
32°	621.1	622.8	616.8	631.2	617.6	614.7	611.2	608.6	605.4	602.4	600.4
32.5°	619.9	617.9	608.3	619.3	612.6	609.3	606.0	603.4	599.4	596.5	595.9
33°	612.7	613.1	607.2	615.9	607.4	604.2	600.5	597.5	593.4	591.1	589.5
33.5°	606.7	607.4	601.0	612.1	601.9	598.7	595.1	590.3	588.3	585.5	584.0
34°	601.1	600.5	596.8	612.8	596.4	593.1	589.1	588.5	582.4	579.9	577.1
34.5°	598.7	596.7	591.6	600.5	590.9	587.2	583.4	580.2	575.6	573.7	571.9
35°	592.3	591.0	584.8	595.8	585.8	582.2	577.7	574.5	571.2	567.6	565.8
35.5°	586.2	586.2	579.6	589.2	579.9	576.4	572.0	568.7	564.2	561.6	560.0
36°	581.4	580.1	574.2	582.6	574.6	571.0	565.9	562.0	558.0	555.6	554.7
36.5°	575.6	574.4	569.0	577.7	568.6	564.7	559.7	560.3	553.9	549.5	548.4
37°	570.3	568.6	563.7	572.9	563.5	559.2	554.7	549.4	547.7	543.6	542.0
37.5°	562.8	563.9	557.6	564.8	557.1	553.2	548.3	545.3	540.5	537.0	536.5
38°	555.2	557.7	552.1	560.0	551.3	547.9	542.3	538.0	534.7	530.8	529.7
38.5°	550.2	551.6	547.2	555.1	546.0	541.5	536.7	531.8	527.9	524.8	524.0
39°	544.5	545.9	540.8	550.3	540.2	535.4	529.1	528.0	521.4	518.5	516.9
39.5°	542.2	540.2	535.1	543.7	534.1	529.5	525.6	519.8	515.9	512.3	511.2
40°	537.5	534.6	529.3	531.0	521.9	523.7	519.0	512.6	509.3	505.9	504.6
40.5°	530.3	528.7	523.7	530.5	527.1	517.2	512.2	507.5	502.4	499.4	498.3
41°	523.0	522.8	517.4	525.2	514.4	511.3	505.5	503.6	498.0	492.9	491.9
41.5°	522.2	516.4	511.5	519.3	510.1	505.2	500.0	494.6	490.8	486.5	485.8
42°	511.7	510.3	505.5	513.2	500.7	498.9	493.2	489.8	483.8	480.1	478.8
42.5°	505.2	505.0	499.4	506.4	494.3	493.0	487.1	482.7	477.0	473.9	472.9
43°	499.5	499.0	493.7	503.5	491.4	486.9	480.7	475.9	470.7	467.4	466.4
43.5°	493.4	493.0	488.2	493.9	485.3	480.3	474.5	469.7	464.5	460.7	460.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	475.4	474.9	469.3	475.6	466.7	461.9	455.4	449.5	444.5	441.4	440.9
45.5°	469.5	468.7	463.4	469.4	460.7	455.7	449.2	442.4	438.5	435.0	434.5
46°	460.6	462.2	457.1	463.3	454.5	449.3	443.2	437.5	431.7	428.4	427.7
46.5°	457.2	455.9	450.9	457.2	448.1	442.7	436.5	431.1	425.4	422.0	421.2
47°	451.3	449.9	445.7	451.3	442.0	436.8	429.8	425.4	419.1	416.1	415.7
47.5°	443.9	443.4	437.6	444.5	435.7	430.2	423.5	418.7	412.4	409.3	408.5
48°	436.2	436.4	433.0	438.6	429.9	423.7	417.5	412.0	406.6	402.9	402.3
48.5°	431.1	431.9	426.4	432.3	423.2	417.4	411.0	405.9	399.2	396.2	395.6
49°	427.7	425.5	421.1	425.5	417.2	411.3	404.3	398.7	393.4	390.2	390.0
49.5°	418.6	417.7	414.2	419.0	410.6	405.2	398.8	391.8	386.9	383.8	382.5
50°	413.9	414.3	408.4	413.5	404.5	399.0	392.0	386.1	380.5	377.4	377.2
50.5°	408.7	405.7	401.3	406.8	398.2	392.0	385.6	380.4	374.2	371.1	369.8
51°	400.7	400.4	395.8	400.5	392.3	386.2	379.1	372.9	368.2	364.9	364.6
51.5°	394.4	393.1	389.5	393.9	385.7	379.6	372.9	367.5	361.6	358.5	357.9
52°	388.3	386.9	383.8	387.2	379.4	373.5	366.8	357.9	355.5	352.4	351.9
52.5°	382.3	381.7	377.6	381.4	373.5	367.4	360.5	354.5	349.4	346.2	345.2
53°	375.2	375.2	370.2	375.2	366.8	361.0	354.3	348.5	343.1	340.2	339.2
53.5°	369.4	369.4	363.1	369.5	360.9	354.9	348.2	342.2	336.9	334.1	333.3
54°	363.4	362.8	359.2	363.0	354.9	348.6	341.6	336.5	331.1	327.8	326.9
54.5°	356.7	356.0	352.3	356.5	348.1	342.7	335.7	332.8	325.1	321.9	321.7
55°	351.1	350.0	345.8	350.7	342.1	336.2	329.6	323.5	318.8	316.0	315.0
55.5°	344.7	344.3	341.6	342.8	336.1	330.4	323.3	317.8	313.0	309.9	309.6
56°	338.3	337.9	334.3	337.4	330.0	324.1	318.2	312.0	307.1	304.1	303.7
56.5°	332.1	331.0	330.4	331.1	323.6	318.1	311.7	305.6	301.2	298.1	297.9
57°	325.1	324.9	322.4	325.4	317.5	312.0	305.2	299.7	295.6	292.6	293.0
57.5°	319.5	318.4	315.8	320.6	311.5	306.0	299.8	293.7	289.4	286.6	285.5
58°	314.2	313.2	309.4	312.6	305.5	300.3	293.6	289.4	283.6	280.8	280.9
58.5°	307.2	306.3	303.0	306.5	299.3	294.0	287.6	282.2	278.2	275.4	275.0
59°	302.2	299.9	297.1	300.2	293.5	288.4	282.1	276.8	272.4	269.8	269.3
59.5°	294.9	294.9	291.0	294.5	287.5	282.1	276.4	271.0	266.8	264.0	263.8
60°	289.1	289.0	284.9	288.1	281.2	276.3	270.6	265.8	260.5	258.5	258.2
60.5°	282.7	282.6	278.9	282.1	275.5	270.5	264.5	260.0	255.4	253.2	252.7
61°	277.4	276.5	272.7	276.1	269.6	264.6	259.1	254.7	250.4	247.5	246.9
61.5°	271.3	270.0	266.5	270.3	263.8	258.9	253.1	249.0	244.8	242.1	242.1
62°	264.5	263.6	261.5	263.7	257.7	253.3	247.8	242.9	239.0	236.9	237.0
62.5°	258.8	258.2	254.7	257.6	252.1	247.4	242.2	237.6	234.4	231.7	230.7
63°	252.6	251.6	251.1	251.8	246.0	241.9	236.5	235.7	228.0	226.4	226.2
63.5°	246.7	245.7	244.2	245.8	240.5	236.2	231.4	227.3	223.4	221.1	220.9
64°	240.3	239.1	237.0	239.9	233.9	230.6	225.8	222.0	218.2	215.9	215.5
64.5°	234.6	233.8	231.5	234.1	229.1	225.2	220.5	215.9	213.0	211.1	210.8
65°	228.5	228.0	225.7	228.8	219.8	219.7	214.9	211.3	207.8	205.8	205.5
65.5°	222.6	221.8	219.5	222.3	217.3	214.2	209.6	206.3	202.8	200.9	200.5
66°	216.8	216.3	213.5	216.5	212.1	208.7	204.3	201.1	197.4	195.8	195.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	198.8	198.8	197.0	199.0	195.5	192.4	188.6	185.9	182.6	181.2	180.5
68°	193.3	192.5	191.4	193.4	189.8	187.2	183.6	181.1	178.0	176.3	176.1
68.5°	186.8	186.3	185.5	187.5	184.4	181.9	178.7	176.1	173.4	171.7	171.0
69°	181.1	180.9	179.7	182.1	179.0	176.7	174.2	171.3	168.3	167.1	166.6
69.5°	175.5	175.2	173.1	177.8	173.7	171.5	168.6	166.3	163.8	162.2	161.6
70°	170.0	169.5	167.1	170.9	168.2	166.4	163.9	161.6	159.7	157.7	157.1
70.5°	163.9	163.9	162.5	165.5	162.9	161.3	158.9	156.7	154.6	153.1	152.6
71°	158.1	157.9	156.9	159.7	157.8	156.2	154.2	152.2	150.1	148.8	148.0
71.5°	152.5	153.0	151.3	154.6	152.6	151.2	149.4	147.7	145.6	144.3	144.1
72°	147.0	147.1	146.4	149.5	147.4	146.4	144.7	142.9	141.2	139.9	140.0
72.5°	141.6	141.5	140.7	143.7	142.2	141.5	139.8	138.6	136.5	135.5	135.3
73°	136.0	135.9	135.2	138.5	137.3	136.6	135.4	134.0	132.4	131.1	130.6
73.5°	130.4	129.9	129.8	133.3	132.2	131.9	130.6	129.5	128.0	127.0	126.4
74°	124.9	125.0	124.4	127.8	127.3	127.0	126.3	125.4	123.8	122.7	122.1
74.5°	119.5	119.3	119.1	122.7	122.3	122.5	121.7	120.7	119.6	118.6	117.8
75°	114.0	114.1	114.0	117.5	117.6	117.8	117.1	116.6	115.6	114.5	113.9
75.5°	108.6	108.6	109.4	114.1	112.8	113.1	112.7	112.3	111.4	110.2	109.7
76°	103.4	103.8	103.5	107.5	107.9	108.7	108.2	108.4	107.3	106.8	105.7
76.5°	97.9	98.5	98.8	102.8	103.3	104.2	104.3	104.0	103.4	102.6	101.8
77°	92.9	93.2	93.8	97.2	98.6	99.8	100.0	100.1	99.4	98.6	97.9
77.5°	88.3	87.9	89.2	92.9	94.2	95.3	95.5	95.7	95.5	94.7	94.0
78°	82.8	83.4	84.0	88.2	89.7	91.1	92.1	92.1	91.6	91.0	90.3
78.5°	77.6	78.1	79.4	83.7	85.3	87.0	87.8	88.3	88.0	87.4	86.7
79°	73.3	73.1	74.8	78.8	81.0	82.8	83.7	84.3	84.2	83.8	83.1
79.5°	68.3	68.2	69.7	74.6	76.6	78.7	79.9	80.6	80.5	80.1	79.4
80°	63.5	63.8	65.5	70.2	72.4	74.8	76.1	77.1	77.2	76.7	76.1
80.5°	58.9	59.3	61.2	65.7	68.4	70.8	72.3	73.6	73.7	73.4	72.6
81°	54.3	54.7	56.9	61.5	64.4	67.0	69.5	70.0	70.6	70.1	69.4
81.5°	50.2	50.7	52.9	57.5	60.4	63.3	65.6	66.7	67.1	66.9	66.3
82°	46.2	46.7	49.1	53.4	56.6	59.8	62.1	63.5	63.9	63.8	63.1
82.5°	42.2	42.8	45.3	49.8	52.6	56.2	58.7	60.5	60.9	60.7	59.8
83°	38.1	38.8	41.6	46.2	49.4	52.5	55.3	57.1	57.8	57.8	57.1
83.5°	34.1	34.8	37.8	42.6	46.2	49.6	52.4	54.2	54.9	54.9	54.3
84°	30.4	31.4	34.0	39.1	43.1	46.7	49.7	51.5	52.4	52.9	51.8
84.5°	26.7	27.6	30.5	35.5	39.9	43.8	47.0	48.9	49.8	50.3	49.3
85°	23.3	24.1	27.1	32.2	36.7	41.0	44.2	46.3	47.3	47.7	46.8
85.5°	20.1	20.9	23.9	29.1	33.8	38.1	41.5	43.7	44.7	45.1	44.3
86°	17.0	17.8	20.9	26.2	31.1	35.5	38.8	41.1	42.2	42.4	41.8
86.5°	14.1	14.9	18.1	23.5	28.3	32.9	36.3	38.7	39.8	40.0	39.4
87°	11.4	12.2	15.6	20.9	25.9	30.4	33.8	36.2	37.5	37.8	37.1
87.5°	8.9	9.7	13.2	18.5	23.5	28.1	31.6	34.0	35.3	35.6	34.8
88°	6.5	7.5	11.0	16.3	21.3	25.8	29.3	31.9	33.0	33.5	32.8
88.5°	5.2	5.6	9.2	14.3	19.2	23.7	27.2	29.8	31.1	31.4	30.8



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.4	2.3	5.2	9.3	13.8	18.1	21.5	24.1	25.4	25.8	25.2
90.5°	0.2	1.2	4.4	8.0	12.3	16.4	19.9	22.3	23.7	24.1	23.5
91°	0.2	0.8	3.5	6.8	10.9	14.9	18.2	20.7	22.1	22.5	21.9
91.5°	0.1	0.5	2.7	5.7	9.6	13.4	16.7	19.1	20.5	20.9	20.3
92°	0.1	0.4	1.9	5.0	8.4	12.1	15.3	17.6	19.0	19.4	19.0
92.5°	0.1	0.3	1.5	4.3	7.4	10.9	13.9	16.2	17.6	18.0	17.5
93°	0.1	0.3	1.2	3.6	6.4	9.7	12.6	14.9	16.3	16.6	16.1
93.5°	0.1	0.2	1.0	2.8	5.6	8.7	11.5	13.7	14.9	15.4	15.0
94°	0.1	0.2	0.8	2.4	5.0	7.8	10.5	12.6	13.8	14.2	13.7
94.5°	0.1	0.2	0.7	2.0	4.4	7.0	9.5	11.5	12.7	13.1	12.7
95°	0.1	0.2	0.6	1.8	3.8	6.2	8.6	10.6	11.7	12.0	11.6
95.5°	0.1	0.2	0.5	1.5	3.2	5.5	7.7	9.6	10.7	11.1	10.7
96°	0.2	0.2	0.5	1.4	2.9	5.0	7.0	8.7	9.8	10.2	9.7
96.5°	0.2	0.2	0.5	1.3	2.5	4.5	6.3	8.0	9.0	9.3	9.0
97°	0.2	0.2	0.4	1.2	2.3	4.0	5.7	7.2	8.2	8.6	8.2
97.5°	0.2	0.3	0.4	1.1	2.1	3.5	5.2	6.6	7.5	7.9	7.6
98°	0.2	0.3	0.4	1.0	1.9	3.2	4.8	6.0	6.9	7.2	7.0
98.5°	0.3	0.3	0.4	0.9	1.8	2.9	4.3	5.5	6.3	6.6	6.3
99°	0.3	0.3	0.4	0.8	1.7	2.7	3.9	5.1	5.8	6.1	5.8
99.5°	0.3	0.4	0.4	0.8	1.6	2.5	3.6	4.8	5.4	5.6	5.4
100°	0.4	0.4	0.4	0.7	1.5	2.4	3.4	4.4	5.0	5.2	5.0
100.5°	0.4	0.5	0.5	0.7	1.4	2.3	3.2	4.1	4.7	4.8	4.6
101°	0.4	0.5	0.5	0.7	1.3	2.1	3.0	3.8	4.3	4.5	4.2
101.5°	0.5	0.5	0.5	0.7	1.2	2.0	2.8	3.6	4.0	4.1	4.0
102°	0.5	0.6	0.5	0.7	1.1	1.9	2.7	3.4	3.8	3.9	3.8
102.5°	0.5	0.6	0.6	0.7	1.1	1.8	2.5	3.2	3.6	3.7	3.6
103°	0.6	0.6	0.5	0.7	1.0	1.7	2.4	3.1	3.4	3.6	3.5
103.5°	0.6	0.7	0.5	0.7	1.0	1.6	2.3	2.9	3.3	3.4	3.3
104°	0.6	0.7	0.6	0.7	0.9	1.5	2.2	2.8	3.1	3.2	3.2
104.5°	0.7	0.8	0.6	0.7	0.9	1.4	2.0	2.6	3.0	3.1	3.0
105°	0.7	0.9	0.6	0.8	0.9	1.4	1.9	2.5	2.8	3.0	2.9
105.5°	0.7	1.0	0.6	0.8	0.9	1.3	1.8	2.3	2.7	2.8	2.7
106°	0.7	1.1	0.6	0.8	0.9	1.2	1.7	2.2	2.6	2.7	2.6
106.5°	0.8	1.0	0.7	0.8	0.9	1.2	1.7	2.1	2.4	2.6	2.5
107°	0.8	1.0	0.7	0.9	0.9	1.2	1.6	2.0	2.3	2.4	2.4
107.5°	0.8	0.9	0.8	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.2
108°	0.9	1.0	0.8	0.9	0.9	1.1	1.5	1.8	2.1	2.2	2.1
108.5°	1.0	1.0	0.9	0.9	0.9	1.1	1.4	1.7	2.0	2.1	2.0
109°	1.0	1.1	0.9	0.8	1.0	1.1	1.3	1.7	1.9	2.0	1.9
109.5°	1.1	1.1	0.9	0.8	1.0	1.1	1.3	1.6	1.8	1.9	1.8
110°	1.1	1.1	1.0	0.8	1.1	1.1	1.3	1.5	1.8	1.8	1.8
110.5°	1.2	1.1	1.0	0.9	1.1	1.1	1.2	1.5	1.7	1.7	1.7
111°	1.2	1.2	1.0	0.9	1.1	1.1	1.2	1.4	1.6	1.7	1.6



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.2	1.2	1.0	0.9	1.1	1.2	1.2	1.3	1.4	1.5	1.4
113°	1.3	1.2	1.0	1.0	1.0	1.3	1.2	1.3	1.4	1.4	1.4
113.5°	1.3	1.2	1.0	1.0	1.0	1.3	1.2	1.3	1.3	1.4	1.3
114°	1.3	1.2	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
114.5°	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
115°	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
115.5°	1.4	1.4	1.2	1.0	1.1	1.4	1.4	1.3	1.3	1.3	1.3
116°	1.4	1.4	1.2	1.0	1.1	1.3	1.4	1.4	1.3	1.3	1.3
116.5°	1.4	1.4	1.3	1.0	1.1	1.2	1.4	1.4	1.4	1.3	1.4
117°	1.3	1.4	1.4	1.0	1.1	1.1	1.4	1.4	1.4	1.4	1.4
117.5°	1.3	1.4	1.5	1.1	1.2	1.1	1.4	1.5	1.4	1.4	1.4
118°	1.3	1.4	1.6	1.1	1.2	1.1	1.5	1.5	1.5	1.4	1.5
118.5°	1.3	1.4	1.6	1.1	1.2	1.1	1.5	1.5	1.5	1.5	1.5
119°	1.3	1.4	1.6	1.1	1.3	1.2	1.4	1.5	1.5	1.5	1.5
119.5°	1.3	1.4	1.5	1.2	1.3	1.2	1.3	1.5	1.5	1.5	1.5
120°	1.3	1.4	1.5	1.2	1.3	1.2	1.2	1.6	1.5	1.5	1.5
120.5°	1.3	1.5	1.5	1.3	1.3	1.2	1.2	1.6	1.5	1.5	1.5
121°	1.3	1.5	1.5	1.3	1.3	1.3	1.2	1.5	1.6	1.6	1.6
121.5°	1.3	1.5	1.5	1.3	1.4	1.3	1.2	1.4	1.6	1.6	1.6
122°	1.3	1.5	1.5	1.4	1.4	1.3	1.2	1.3	1.6	1.6	1.6
122.5°	1.4	1.5	1.6	1.4	1.4	1.3	1.2	1.2	1.5	1.6	1.5
123°	1.4	1.5	1.6	1.5	1.4	1.4	1.3	1.2	1.3	1.4	1.3
123.5°	1.4	1.5	1.7	1.5	1.4	1.4	1.3	1.2	1.2	1.3	1.2
124°	1.4	1.5	1.7	1.5	1.5	1.4	1.3	1.2	1.2	1.2	1.2
124.5°	1.4	1.5	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.2
125°	1.4	1.5	1.7	1.6	1.5	1.4	1.4	1.2	1.2	1.2	1.2
125.5°	1.4	1.5	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.2	1.2
126°	1.4	1.5	1.7	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.2
126.5°	1.4	1.6	1.7	1.9	1.6	1.5	1.4	1.3	1.3	1.2	1.3
127°	1.4	1.6	1.6	2.0	1.6	1.5	1.4	1.4	1.3	1.3	1.3
127.5°	1.5	1.6	1.6	2.0	1.6	1.5	1.5	1.4	1.3	1.3	1.3
128°	1.5	1.6	1.6	2.0	1.6	1.6	1.5	1.4	1.3	1.3	1.3
128.5°	1.5	1.6	1.6	1.9	1.6	1.6	1.5	1.4	1.4	1.3	1.4
129°	1.5	1.6	1.5	1.9	1.7	1.6	1.5	1.4	1.4	1.4	1.4
129.5°	1.4	1.6	1.4	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.4
130°	1.5	1.6	1.4	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.4
130.5°	1.5	1.5	1.5	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.5
131°	1.5	1.5	1.5	1.8	1.8	1.7	1.6	1.5	1.5	1.5	1.5
131.5°	1.5	1.6	1.5	1.8	1.9	1.7	1.6	1.6	1.5	1.5	1.5
132°	1.5	1.6	1.5	1.8	2.0	1.7	1.6	1.6	1.5	1.5	1.5
132.5°	1.5	1.6	1.5	1.8	2.1	1.8	1.7	1.6	1.6	1.5	1.6
133°	1.6	1.6	1.6	1.9	2.3	1.8	1.7	1.6	1.6	1.5	1.6
133.5°	1.6	1.6	1.6	1.9	2.4	1.8	1.7	1.6	1.6	1.6	1.6



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	1.6	1.7	1.6	1.9	2.5	1.9	1.8	1.7	1.7	1.6	1.7
135.5°	1.6	1.7	1.7	1.9	2.4	2.0	1.8	1.7	1.7	1.6	1.7
136°	1.6	1.7	1.7	1.9	2.4	2.0	1.8	1.7	1.7	1.7	1.7
136.5°	1.6	1.7	1.7	1.9	2.3	2.1	1.8	1.8	1.7	1.7	1.7
137°	1.6	1.7	1.7	1.9	2.3	2.2	1.9	1.8	1.7	1.7	1.7
137.5°	1.6	1.7	1.8	1.8	2.2	2.3	1.9	1.8	1.8	1.7	1.8
138°	1.6	1.7	1.8	1.8	2.2	2.5	1.9	1.8	1.8	1.7	1.8
138.5°	1.6	1.7	1.8	1.8	2.2	2.6	2.0	1.9	1.8	1.8	1.8
139°	1.6	1.7	1.8	1.7	2.2	2.7	2.0	1.9	1.8	1.8	1.8
139.5°	1.7	1.7	1.8	1.7	2.2	2.7	2.0	1.9	1.9	1.8	1.9
140°	1.7	1.7	1.9	1.7	2.2	2.7	2.1	1.9	1.9	1.8	1.9
140.5°	1.7	1.7	1.9	1.6	2.3	2.6	2.2	2.0	1.9	1.9	1.9
141°	1.7	1.7	1.9	1.7	2.3	2.5	2.4	2.0	1.9	1.9	1.9
141.5°	1.7	1.6	1.9	1.7	2.3	2.4	2.6	2.0	2.0	1.9	2.0
142°	1.7	1.6	1.9	1.7	2.2	2.4	2.7	2.1	2.0	1.9	2.0
142.5°	1.7	1.7	1.9	1.7	2.2	2.3	2.8	2.2	2.0	2.0	2.0
143°	1.7	1.7	1.9	1.7	2.1	2.3	2.8	2.3	2.1	2.0	2.1
143.5°	1.7	1.7	1.9	1.7	2.1	2.2	2.7	2.5	2.2	2.1	2.1
144°	1.7	1.8	2.0	1.7	2.0	2.3	2.6	2.6	2.3	2.1	2.2
144.5°	1.7	1.8	2.0	1.8	2.0	2.3	2.5	2.8	2.4	2.2	2.4
145°	1.7	1.8	2.0	1.8	1.9	2.3	2.4	2.8	2.6	2.4	2.5
145.5°	1.7	1.7	2.0	1.8	1.9	2.3	2.4	2.8	2.7	2.6	2.7
146°	1.7	1.7	2.0	1.8	1.8	2.3	2.3	2.7	2.8	2.7	2.8
146.5°	1.7	1.7	2.0	1.8	1.8	2.3	2.3	2.6	2.8	2.8	2.8
147°	1.8	1.7	2.0	1.9	1.7	2.3	2.3	2.5	2.8	2.8	2.8
147.5°	1.8	1.6	2.0	1.9	1.7	2.2	2.3	2.4	2.7	2.7	2.7
148°	1.7	1.6	2.0	1.9	1.7	2.1	2.3	2.3	2.6	2.6	2.6
148.5°	1.7	1.6	2.0	1.9	1.7	2.1	2.3	2.3	2.5	2.5	2.5
149°	1.7	1.6	2.0	1.9	1.7	2.0	2.3	2.3	2.4	2.4	2.4
149.5°	1.7	1.6	2.0	1.9	1.7	1.9	2.3	2.3	2.3	2.3	2.3
150°	1.7	1.7	2.0	2.0	1.7	1.9	2.3	2.3	2.3	2.3	2.3
150.5°	1.7	1.6	2.0	2.0	1.7	1.8	2.2	2.3	2.3	2.3	2.3
151°	1.7	1.6	2.0	2.0	1.7	1.7	2.2	2.3	2.3	2.3	2.3
151.5°	1.7	1.6	1.9	2.0	1.7	1.7	2.1	2.3	2.3	2.3	2.3
152°	1.7	1.6	1.9	2.0	1.7	1.7	2.0	2.3	2.3	2.3	2.3
152.5°	1.7	1.6	1.9	2.0	1.8	1.6	1.9	2.2	2.3	2.3	2.3
153°	1.7	1.6	1.9	2.0	1.8	1.6	1.8	2.2	2.3	2.3	2.3
153.5°	1.7	1.6	2.0	2.0	1.8	1.6	1.8	2.1	2.3	2.3	2.2
154°	1.7	1.6	2.0	2.0	1.8	1.6	1.7	2.0	2.2	2.2	2.2
154.5°	1.7	1.6	1.9	2.0	1.9	1.7	1.7	1.9	2.1	2.2	2.1
155°	1.7	1.6	1.9	2.0	1.9	1.7	1.6	1.8	2.0	2.1	2.0
155.5°	1.7	1.6	1.9	2.0	1.9	1.7	1.6	1.7	1.9	2.0	1.9
156°	1.7	1.6	1.9	2.0	1.9	1.7	1.6	1.7	1.8	1.9	1.8



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.7	1.6	1.9	2.0	1.9	1.8	1.7	1.6	1.6	1.7	1.6
158°	1.7	1.6	1.9	2.0	2.0	1.8	1.7	1.6	1.6	1.6	1.6
158.5°	1.7	1.6	1.8	2.0	2.0	1.8	1.7	1.6	1.6	1.6	1.6
159°	1.7	1.6	1.8	2.0	2.0	1.9	1.7	1.7	1.6	1.6	1.6
159.5°	1.7	1.5	1.9	2.0	2.0	1.9	1.8	1.7	1.6	1.6	1.6
160°	1.7	1.5	1.9	2.0	2.0	1.9	1.8	1.7	1.6	1.6	1.6
160.5°	1.7	1.5	1.8	2.0	2.0	1.9	1.8	1.7	1.7	1.6	1.6
161°	1.7	1.5	1.8	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.7
161.5°	1.7	1.5	1.8	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.7
162°	1.6	1.5	1.8	2.0	2.0	2.0	1.9	1.8	1.7	1.7	1.7
162.5°	1.5	1.5	1.8	2.0	2.0	2.0	1.9	1.8	1.8	1.7	1.7
163°	1.5	1.5	1.8	1.9	2.0	2.0	1.9	1.9	1.8	1.8	1.8
163.5°	1.5	1.5	1.8	1.9	2.0	2.0	1.9	1.9	1.8	1.8	1.8
164°	1.5	1.4	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.8	1.8
164.5°	1.4	1.4	1.8	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9
165°	1.4	1.4	1.8	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9
165.5°	1.4	1.4	1.8	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9
166°	1.4	1.4	1.7	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9
166.5°	1.4	1.4	1.6	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
167°	1.3	1.3	1.5	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
167.5°	1.2	1.2	1.5	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
168°	1.2	1.1	1.5	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0
168.5°	1.1	1.2	1.4	1.7	1.9	2.0	2.0	2.0	2.0	2.0	2.0
169°	1.1	1.2	1.2	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0
169.5°	1.2	1.2	1.2	1.6	1.7	1.9	1.9	2.0	2.0	2.0	2.0
170°	1.2	1.2	1.2	1.3	1.7	1.9	1.9	2.0	2.0	2.0	2.0
170.5°	1.2	1.2	1.2	1.3	1.7	1.8	1.9	1.9	1.9	1.9	1.9
171°	1.1	1.2	1.2	1.2	1.6	1.7	1.9	1.9	1.9	1.9	1.9
171.5°	1.1	1.1	1.2	1.2	1.6	1.7	1.9	1.9	1.9	1.9	1.9
172°	1.2	1.2	1.2	1.2	1.6	1.6	1.9	1.9	1.9	1.9	1.9
172.5°	1.2	1.2	1.2	1.2	1.6	1.6	1.8	1.9	1.9	1.9	1.9
173°	1.1	1.2	1.2	1.2	1.4	1.6	1.8	1.9	1.9	1.9	1.9
173.5°	1.1	1.1	1.2	1.2	1.3	1.6	1.8	1.9	1.9	1.9	1.8
174°	1.1	1.1	1.2	1.2	1.2	1.6	1.7	1.8	1.9	1.9	1.7
174.5°	1.1	1.1	1.1	1.2	1.2	1.5	1.6	1.8	1.9	1.9	1.7
175°	1.1	1.2	1.1	1.2	1.2	1.3	1.6	1.8	1.8	1.8	1.7
175.5°	1.2	1.2	1.1	1.2	1.2	1.2	1.6	1.6	1.8	1.7	1.6
176°	1.2	1.2	1.1	1.2	1.2	1.2	1.4	1.6	1.8	1.6	1.6
176.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.6	1.7	1.6	1.3
177°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.6	1.3
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.5	1.2
178°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.3	1.2	1.2
178.5°	1.5	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3
0.5°	787.6	790.9	792.6	790.0	790.9	789.0	790.8	790.7	792.7	774.3	798.9
1°	789.2	789.5	791.3	789.0	789.9	789.4	789.8	790.5	789.2	782.7	797.8
1.5°	788.6	789.9	792.7	789.7	789.3	787.4	790.6	790.5	785.7	784.2	800.5
2°	791.1	790.3	790.6	787.8	789.0	787.4	789.9	788.7	787.7	782.3	795.7
2.5°	788.5	788.7	787.5	787.6	788.4	787.6	788.6	787.4	788.1	782.7	795.7
3°	787.2	788.6	789.0	786.2	787.7	787.3	784.6	787.9	788.7	786.6	795.6
3.5°	785.8	777.4	786.8	786.5	786.3	785.6	786.6	786.7	785.3	779.9	794.5
4°	784.9	783.2	786.6	785.4	786.3	784.1	786.6	784.7	786.3	778.4	793.8
4.5°	785.4	787.4	786.1	784.2	785.4	786.0	784.7	784.2	784.9	775.8	797.8
5°	783.8	795.9	786.1	783.2	783.6	781.1	785.2	782.7	783.1	778.6	793.9
5.5°	783.2	784.2	785.5	782.2	782.3	780.8	784.9	782.6	784.7	777.0	791.0
6°	782.3	782.4	781.5	781.1	782.1	780.9	781.6	782.5	781.9	775.4	789.3
6.5°	780.5	781.4	781.5	779.9	779.9	779.1	780.3	779.0	780.2	774.8	789.3
7°	779.1	782.3	780.7	779.3	778.7	778.3	783.8	778.4	779.6	772.2	788.2
7.5°	777.6	778.2	778.8	777.4	777.5	776.4	786.6	777.3	777.8	772.0	785.6
8°	776.0	777.2	776.6	775.5	775.8	773.5	774.8	775.9	775.8	771.1	784.7
8.5°	774.6	775.3	774.7	774.2	773.7	771.6	775.0	772.9	774.2	770.5	781.9
9°	773.2	773.5	773.3	772.0	772.0	770.0	773.1	775.7	772.5	764.6	778.7
9.5°	771.2	772.0	771.7	769.6	770.6	768.3	771.4	768.6	771.2	767.4	782.4
10°	768.0	770.0	769.7	768.8	768.6	767.7	768.4	768.4	776.7	764.1	783.9
10.5°	767.2	768.2	767.6	766.4	766.5	765.8	766.7	766.8	767.4	761.1	774.6
11°	764.7	765.1	765.2	764.1	764.5	762.9	764.7	763.8	762.9	758.9	770.4
11.5°	762.6	763.6	763.6	762.5	762.1	762.0	759.7	761.5	761.0	756.2	770.7
12°	760.8	761.3	761.4	759.4	760.0	758.9	759.6	759.5	758.7	753.9	769.2
12.5°	758.5	758.4	758.7	756.8	757.4	757.2	756.8	761.2	759.6	754.1	769.4
13°	755.6	756.1	756.0	755.5	754.4	755.3	755.4	754.8	755.2	742.8	763.3
13.5°	753.0	753.3	753.8	752.0	752.7	751.6	753.2	752.1	752.3	750.2	762.2
14°	750.2	751.2	750.5	748.9	749.7	748.0	749.1	751.0	750.1	739.1	759.2
14.5°	748.0	747.7	746.7	746.8	747.2	745.7	746.7	748.0	747.5	735.7	756.7
15°	745.4	745.8	746.3	744.3	744.0	742.9	745.5	744.7	744.1	740.0	754.0
15.5°	742.1	742.4	742.1	741.2	741.1	739.5	742.1	741.1	741.8	737.8	754.1
16°	739.7	741.4	739.0	738.2	738.3	738.4	737.8	738.3	739.5	732.7	747.6
16.5°	735.7	735.1	736.2	733.9	735.4	735.4	734.2	735.2	735.0	732.1	744.2
17°	733.0	733.8	732.7	732.8	732.4	730.9	734.3	731.8	733.4	729.0	742.8
17.5°	730.3	730.9	731.3	728.7	729.2	727.1	730.5	733.4	729.1	723.4	737.4
18°	726.4	727.2	727.3	726.1	725.7	724.6	726.5	726.1	727.3	721.5	734.4
18.5°	723.0	723.8	725.5	704.2	722.5	721.3	721.5	720.8	723.3	718.5	732.2
19°	719.5	702.4	720.0	722.7	718.1	717.5	718.7	718.8	719.2	714.4	728.8
19.5°	716.2	718.0	715.7	717.3	714.5	714.1	715.9	714.4	716.3	711.1	724.5
20°	712.9	713.0	712.1	707.5	711.9	710.3	712.4	711.8	712.5	708.8	720.8
20.5°	709.0	708.7	709.2	707.7	707.6	706.7	708.7	706.9	710.2	703.3	718.6
21°	704.8	710.3	705.3	703.8	705.0	703.1	703.8	705.1	701.8	702.8	712.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	693.2	692.5	694.4	692.0	692.6	691.4	692.1	692.6	694.1	689.6	702.9
23°	689.9	689.4	688.3	687.7	688.9	687.3	690.0	688.8	690.1	685.5	697.8
23.5°	677.7	686.7	685.5	687.1	684.4	682.9	683.5	685.4	685.0	679.5	694.3
24°	679.9	684.5	681.7	680.0	680.8	678.8	680.7	680.1	684.2	673.4	690.1
24.5°	675.9	676.6	675.2	676.0	675.8	674.8	676.3	676.0	677.7	671.7	685.8
25°	671.9	671.8	672.1	671.6	671.7	670.3	671.4	671.7	673.2	666.7	681.1
25.5°	666.7	667.1	668.3	666.5	667.6	666.0	666.6	667.0	665.8	663.9	676.9
26°	662.6	663.5	664.4	662.6	662.7	661.4	662.6	664.1	663.9	658.3	671.8
26.5°	657.6	657.4	658.8	657.0	657.9	656.5	658.4	658.0	661.5	654.9	667.4
27°	653.5	652.8	651.7	654.3	653.7	651.8	653.7	654.6	652.4	650.1	662.9
27.5°	648.4	649.7	651.1	648.8	648.6	647.1	648.7	649.4	650.1	645.1	658.5
28°	643.4	644.9	644.4	643.9	644.3	643.4	643.5	644.2	647.1	640.5	653.1
28.5°	638.9	638.2	640.7	639.6	639.4	637.0	639.0	639.1	638.2	633.9	648.5
29°	633.9	633.4	634.1	634.2	634.5	635.8	633.9	638.5	633.6	630.1	642.3
29.5°	628.2	630.2	630.0	626.9	629.0	628.3	628.8	629.1	629.7	626.4	648.5
30°	614.8	623.8	624.2	623.6	624.3	623.2	624.3	624.3	625.5	621.5	629.0
30.5°	613.0	617.3	619.9	619.5	619.5	617.6	618.9	618.9	620.6	618.6	627.9
31°	610.4	614.6	613.9	613.6	614.5	612.9	613.7	614.5	615.2	611.0	623.3
31.5°	607.2	609.7	608.8	609.6	609.2	607.4	608.4	609.6	609.5	604.6	618.8
32°	602.8	602.8	603.4	604.4	603.8	602.5	603.2	603.3	604.7	600.7	613.2
32.5°	595.7	596.8	598.4	600.3	598.3	597.5	597.6	598.7	599.8	595.4	609.1
33°	590.2	590.5	592.6	592.3	593.1	592.0	592.9	592.7	593.9	589.3	602.3
33.5°	585.8	586.4	587.5	587.8	588.0	586.8	586.2	587.6	587.4	585.2	596.8
34°	579.3	578.7	583.5	582.0	582.5	580.9	582.5	583.0	583.0	579.8	591.2
34.5°	572.6	574.5	576.7	575.8	577.1	576.1	576.3	578.2	577.5	573.1	585.6
35°	567.2	568.7	570.6	570.2	571.5	569.9	570.9	570.5	572.3	569.0	580.0
35.5°	560.7	564.0	569.1	564.7	566.0	564.7	565.5	566.2	566.4	563.3	575.0
36°	555.4	556.9	560.8	560.0	560.1	560.0	560.0	561.3	559.2	558.2	569.0
36.5°	549.9	546.9	553.1	553.7	554.1	553.9	554.2	554.2	555.9	552.2	562.6
37°	541.2	545.5	547.5	548.5	549.0	548.1	548.5	549.1	547.6	546.8	557.0
37.5°	536.4	539.3	541.5	542.0	543.2	542.4	542.8	545.1	544.1	540.5	551.9
38°	532.1	529.9	536.0	536.7	537.0	535.7	537.0	536.9	543.0	536.0	546.6
38.5°	527.8	529.7	530.3	531.4	531.6	530.4	530.7	532.1	531.2	529.0	539.8
39°	517.2	524.0	524.7	525.0	525.9	524.8	525.9	525.9	531.2	524.2	533.8
39.5°	513.8	516.2	517.7	519.1	519.9	519.3	519.8	520.9	521.2	516.9	530.7
40°	504.3	508.4	511.8	513.0	514.2	513.0	514.1	515.2	515.5	511.8	520.7
40.5°	501.4	504.9	506.2	506.5	508.2	507.0	507.8	507.9	508.4	505.5	516.3
41°	493.7	496.5	499.0	497.8	502.1	500.9	501.9	502.1	503.6	497.7	507.0
41.5°	488.5	489.5	492.9	494.4	496.1	496.0	496.0	496.1	497.1	495.4	501.5
42°	481.1	485.2	488.4	489.3	490.4	489.2	489.9	492.2	491.7	489.3	498.1
42.5°	474.7	478.7	481.7	482.5	483.4	483.8	484.0	483.0	484.9	482.0	492.7
43°	468.2	470.8	474.0	477.6	478.0	477.3	477.7	478.2	475.2	476.9	486.2
43.5°	462.3	467.2	468.1	469.7	471.7	470.9	471.9	473.2	472.9	469.7	482.0



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	442.4	447.9	449.3	451.2	453.6	453.0	453.6	453.6	454.7	453.1	461.4
45.5°	436.5	441.3	444.4	447.4	447.5	446.2	447.7	447.9	449.5	445.6	456.3
46°	430.0	434.8	437.7	438.7	441.4	441.0	441.1	441.8	442.8	439.5	450.3
46.5°	422.9	427.9	431.7	433.4	434.9	434.9	436.1	435.9	436.7	432.9	441.1
47°	417.0	423.0	425.0	426.8	429.0	428.9	429.2	429.0	429.9	428.2	435.4
47.5°	411.3	415.1	419.1	425.7	422.7	422.6	423.2	423.6	424.2	422.5	431.1
48°	404.5	408.6	413.3	415.3	416.8	416.5	416.5	417.4	418.7	418.4	423.3
48.5°	398.0	403.0	407.0	408.2	410.5	410.5	412.0	411.6	412.5	408.6	417.4
49°	392.2	395.9	399.1	401.1	404.4	404.1	404.8	405.4	405.5	404.3	412.9
49.5°	385.8	389.4	394.7	399.1	398.3	398.6	398.8	399.1	399.9	398.7	405.9
50°	379.3	383.5	388.7	390.7	392.4	392.2	392.5	392.9	393.7	391.5	400.9
50.5°	372.9	377.3	382.2	383.0	386.1	386.5	386.4	387.1	387.2	387.2	392.5
51°	366.9	371.2	375.2	378.1	379.8	380.0	381.3	381.4	381.3	377.8	386.6
51.5°	360.0	364.6	369.4	371.3	373.8	373.5	376.1	374.7	375.2	372.8	380.4
52°	354.3	358.5	363.9	365.5	367.7	367.6	368.7	369.0	369.4	368.3	374.6
52.5°	348.5	352.3	358.1	361.2	361.7	362.2	362.1	362.6	362.9	360.4	367.9
53°	342.3	346.6	352.0	354.3	355.4	356.6	355.8	356.2	356.8	356.2	363.0
53.5°	336.3	340.3	345.6	347.2	349.2	350.4	349.8	350.3	350.3	349.1	356.3
54°	329.5	334.1	338.9	340.9	343.4	343.7	345.4	344.4	344.7	343.2	349.2
54.5°	324.5	328.0	332.1	335.8	337.1	337.3	338.1	338.0	338.8	337.0	345.4
55°	317.8	322.5	327.3	329.8	331.3	331.5	331.7	332.1	332.7	331.3	336.9
55.5°	312.1	316.1	320.2	324.7	325.3	325.4	324.8	325.7	327.3	324.9	332.3
56°	305.9	310.2	315.0	317.9	319.3	321.5	319.1	320.0	320.6	318.9	324.8
56.5°	300.3	304.5	308.8	311.6	313.3	313.6	314.6	313.8	314.8	313.6	318.9
57°	294.7	298.4	304.0	305.3	307.1	307.3	307.6	307.7	307.5	307.1	314.4
57.5°	288.5	292.4	296.4	299.3	301.3	300.5	300.9	301.6	302.4	302.7	307.9
58°	282.9	286.8	291.1	294.0	295.1	295.7	295.3	295.9	296.6	295.2	298.6
58.5°	276.9	280.6	285.3	288.3	289.3	290.5	289.5	290.7	290.1	289.2	295.0
59°	271.4	275.0	278.7	281.5	283.6	284.1	283.9	283.7	283.7	283.3	289.2
59.5°	265.9	266.9	274.3	275.3	277.7	277.3	277.2	277.8	278.0	277.2	284.0
60°	260.4	263.5	267.5	269.7	272.2	271.4	271.1	272.9	272.5	272.1	278.0
60.5°	254.7	258.1	263.2	263.7	265.8	266.8	266.0	265.9	266.2	266.2	271.9
61°	249.1	252.6	254.9	258.5	259.5	260.6	260.1	258.9	260.5	260.0	266.0
61.5°	243.7	247.1	251.3	252.4	254.0	253.8	253.8	254.1	255.0	254.7	258.7
62°	238.3	241.3	245.0	246.8	248.1	248.2	248.0	248.1	248.9	248.6	254.3
62.5°	233.1	235.9	239.2	240.8	243.1	242.7	242.2	242.4	243.8	242.8	247.4
63°	227.5	230.5	233.6	235.1	236.9	236.8	236.1	236.3	237.4	237.0	242.3
63.5°	222.4	225.1	228.2	228.8	231.1	230.5	230.5	230.3	231.5	231.3	236.3
64°	217.1	219.7	222.4	225.0	225.6	225.2	224.5	225.4	227.0	225.4	230.9
64.5°	211.9	214.4	217.3	220.4	219.8	219.6	218.8	220.2	220.1	220.1	225.7
65°	206.7	209.2	211.8	213.7	214.0	213.5	213.0	213.4	213.8	214.5	218.7
65.5°	201.8	203.9	206.4	207.9	208.3	207.8	208.1	207.6	208.9	208.6	213.2
66°	196.5	198.9	201.0	202.3	203.1	202.3	201.7	201.8	203.3	203.1	207.9



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	181.6	183.5	185.4	186.0	186.2	185.1	184.6	185.0	186.1	185.5	191.5
68°	176.9	178.6	180.1	181.5	180.9	179.9	179.1	179.3	180.6	181.1	186.0
68.5°	172.0	173.5	175.0	175.5	175.5	174.2	173.5	174.0	174.8	175.6	180.6
69°	167.3	168.6	170.0	170.3	170.1	168.8	167.9	168.2	169.2	169.6	175.4
69.5°	162.6	163.7	164.7	164.9	164.5	163.0	162.3	162.3	163.5	164.3	169.5
70°	157.8	159.0	159.7	159.9	159.7	158.0	156.8	157.1	157.9	158.7	164.3
70.5°	153.1	154.1	154.8	154.6	154.1	152.3	151.3	151.7	152.8	154.5	158.9
71°	148.4	149.5	149.9	149.8	148.8	147.2	146.2	146.0	147.8	148.5	153.4
71.5°	143.9	144.8	145.4	144.9	143.7	142.2	140.6	140.8	142.2	143.3	149.2
72°	139.6	140.1	140.5	140.0	138.4	136.4	135.4	135.4	136.8	138.1	143.3
72.5°	135.1	135.7	135.4	134.9	133.3	131.2	129.8	130.3	131.1	133.0	137.3
73°	130.7	130.9	131.2	130.0	128.3	126.1	124.6	125.2	126.0	128.0	132.9
73.5°	126.4	126.6	126.2	125.2	123.5	120.7	119.4	120.1	120.9	123.1	128.1
74°	121.9	122.1	121.8	120.3	118.3	115.4	114.0	115.1	115.9	118.1	123.3
74.5°	117.8	117.7	117.4	115.6	113.5	110.7	108.9	110.0	110.8	113.2	118.5
75°	113.8	113.5	112.6	111.0	108.6	105.6	103.7	104.8	106.1	108.2	113.6
75.5°	109.6	109.2	108.6	106.4	103.9	101.1	98.8	99.4	101.0	103.3	108.8
76°	105.4	105.0	104.9	101.9	99.1	95.8	93.8	94.3	95.9	98.8	103.9
76.5°	101.5	100.8	99.9	97.4	94.5	91.2	88.8	89.5	91.0	93.4	99.2
77°	97.5	96.8	95.5	93.0	89.9	86.5	84.0	84.5	86.4	88.7	94.6
77.5°	93.5	92.7	91.2	88.5	85.3	81.3	79.2	79.6	81.1	84.0	90.0
78°	89.7	88.8	87.2	84.2	80.9	77.1	74.5	74.7	76.7	79.3	85.7
78.5°	86.0	84.9	82.9	80.0	76.7	72.6	69.9	70.1	71.7	74.8	80.9
79°	82.3	81.0	78.9	76.0	72.2	68.3	65.4	65.4	67.2	70.4	76.9
79.5°	78.5	77.3	75.0	71.9	68.1	63.8	60.8	60.9	62.5	66.0	72.2
80°	75.2	73.6	71.2	67.9	63.8	59.6	56.4	56.2	58.3	61.6	67.3
80.5°	71.7	70.1	67.7	64.0	59.9	55.5	52.0	52.0	54.0	57.5	64.1
81°	68.3	66.5	63.9	60.3	56.0	52.2	48.2	47.9	49.9	53.5	59.7
81.5°	65.1	63.2	60.3	56.6	51.9	48.4	44.5	43.7	45.6	49.6	56.2
82°	61.9	60.0	57.2	52.9	48.5	44.6	40.7	39.6	41.7	45.7	51.9
82.5°	58.8	56.8	53.8	49.8	45.2	40.8	37.0	35.8	37.9	42.0	48.1
83°	55.8	53.7	50.9	46.7	41.8	37.0	33.3	32.2	34.2	38.1	44.5
83.5°	52.7	51.0	48.0	43.6	38.5	33.6	29.9	28.6	30.6	34.7	41.1
84°	50.2	48.3	45.1	40.5	35.3	30.3	26.5	25.3	27.4	31.5	37.8
84.5°	47.7	45.6	42.2	37.4	32.2	27.0	23.3	22.0	24.1	28.4	34.6
85°	45.2	42.9	39.3	34.5	29.3	24.0	20.2	19.0	21.0	25.2	31.4
85.5°	42.8	40.2	36.7	31.8	26.5	21.1	17.3	16.4	18.1	22.5	28.5
86°	40.3	37.7	34.1	29.2	23.9	18.4	14.4	13.8	15.7	19.6	25.8
86.5°	37.9	35.3	31.6	26.8	21.4	16.0	11.9	11.2	13.3	17.1	23.0
87°	35.6	33.0	29.2	24.4	19.1	13.7	9.6	8.6	10.9	15.0	20.5
87.5°	33.4	30.8	27.1	22.3	16.9	11.6	7.5	6.0	8.6	13.0	18.1
88°	31.2	28.7	24.9	20.2	14.9	9.7	5.6	4.1	6.2	10.9	16.2
88.5°	29.2	26.6	22.8	18.3	13.1	8.1	4.5	2.6	4.5	8.9	14.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	23.6	21.1	17.6	13.3	8.7	4.6	1.3	0.2	1.4	4.2	8.4
90.5°	22.0	19.5	16.0	11.8	7.5	3.8	0.9	0.2	0.9	3.2	7.1
91°	20.4	17.9	14.6	10.5	6.4	3.0	0.6	0.2	0.7	2.5	5.9
91.5°	18.9	16.5	13.2	9.4	5.4	2.2	0.5	0.2	0.5	2.0	4.8
92°	17.4	15.1	11.9	8.2	4.8	1.8	0.4	0.2	0.4	1.6	4.0
92.5°	16.1	13.8	10.7	7.2	4.1	1.4	0.3	0.1	0.4	1.4	3.3
93°	14.8	12.6	9.7	6.4	3.5	1.2	0.2	0.1	0.4	1.2	2.9
93.5°	13.6	11.5	8.7	5.6	2.8	1.0	0.2	0.1	0.4	1.1	2.5
94°	12.5	10.5	7.8	5.0	2.4	0.8	0.2	0.1	0.4	1.1	2.3
94.5°	11.5	9.6	6.9	4.5	2.1	0.8	0.2	0.2	0.3	1.0	2.1
95°	10.5	8.6	6.2	3.9	1.8	0.7	0.2	0.2	0.3	1.0	2.0
95.5°	9.6	7.8	5.6	3.4	1.7	0.6	0.2	0.2	0.3	1.0	1.9
96°	8.7	7.1	5.1	3.0	1.5	0.5	0.2	0.2	0.3	1.0	1.9
96.5°	8.0	6.4	4.6	2.7	1.4	0.5	0.2	0.2	0.3	0.9	1.8
97°	7.3	5.8	4.1	2.4	1.2	0.4	0.2	0.3	0.3	0.9	1.8
97.5°	6.7	5.4	3.7	2.2	1.1	0.4	0.2	0.3	0.3	0.9	1.7
98°	6.1	4.9	3.3	2.1	1.0	0.4	0.3	0.3	0.3	0.9	1.7
98.5°	5.6	4.5	3.1	1.9	1.0	0.4	0.3	0.3	0.3	0.9	1.7
99°	5.2	4.0	2.9	1.8	0.9	0.4	0.3	0.4	0.3	0.9	1.7
99.5°	4.8	3.7	2.7	1.7	0.8	0.4	0.4	0.4	0.3	0.9	1.6
100°	4.4	3.5	2.6	1.6	0.8	0.5	0.4	0.4	0.3	0.9	1.6
100.5°	4.1	3.3	2.4	1.5	0.7	0.5	0.4	0.4	0.4	0.9	1.6
101°	3.8	3.1	2.3	1.4	0.7	0.5	0.5	0.5	0.4	0.9	1.6
101.5°	3.6	3.0	2.2	1.3	0.7	0.5	0.5	0.5	0.4	0.9	1.6
102°	3.4	2.8	2.1	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
102.5°	3.3	2.7	2.0	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
103°	3.1	2.6	1.8	1.1	0.7	0.6	0.6	0.7	0.6	0.9	1.6
103.5°	3.0	2.5	1.8	1.1	0.7	0.6	0.7	0.7	0.6	0.8	1.6
104°	2.9	2.3	1.7	1.0	0.8	0.7	0.7	0.8	0.7	0.8	1.6
104.5°	2.7	2.2	1.6	1.0	0.8	0.7	0.7	0.8	0.7	0.8	1.6
105°	2.6	2.1	1.5	1.0	0.8	0.7	0.8	0.9	0.8	0.8	1.6
105.5°	2.4	2.0	1.4	1.0	0.8	0.8	0.8	0.9	0.8	0.9	1.6
106°	2.3	1.9	1.4	1.0	0.9	0.8	1.0	1.0	0.9	0.9	1.6
106.5°	2.2	1.8	1.3	1.0	0.9	0.8	1.1	1.0	1.1	0.9	1.6
107°	2.1	1.7	1.3	1.0	0.9	0.8	1.2	1.1	1.2	0.8	1.6
107.5°	2.0	1.6	1.2	1.0	1.0	0.8	1.3	1.1	1.2	0.9	1.6
108°	1.9	1.6	1.2	1.0	1.0	0.9	1.3	1.2	1.2	0.9	1.6
108.5°	1.8	1.5	1.2	1.0	0.9	0.9	1.2	1.2	1.2	0.9	1.5
109°	1.7	1.4	1.2	1.0	0.9	0.9	1.2	1.2	1.2	0.9	1.4
109.5°	1.7	1.4	1.1	1.1	0.9	0.9	1.2	1.2	1.2	1.0	1.4
110°	1.6	1.3	1.2	1.1	1.0	1.0	1.3	1.2	1.2	1.0	1.4
110.5°	1.5	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
111°	1.5	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.1	1.3



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.3	1.3	1.3	1.1	1.1	1.2	1.4	1.3	1.2	1.1	1.3
113°	1.3	1.3	1.3	1.1	1.1	1.2	1.4	1.4	1.2	1.2	1.3
113.5°	1.3	1.3	1.3	1.0	1.1	1.2	1.4	1.4	1.2	1.2	1.2
114°	1.3	1.3	1.3	1.0	1.1	1.3	1.4	1.4	1.2	1.2	1.2
114.5°	1.3	1.3	1.3	1.0	1.1	1.3	1.4	1.4	1.2	1.3	1.1
115°	1.3	1.4	1.3	1.0	1.1	1.3	1.4	1.4	1.3	1.3	1.1
115.5°	1.4	1.4	1.4	1.0	1.2	1.3	1.4	1.4	1.3	1.3	1.1
116°	1.4	1.4	1.4	1.1	1.2	1.3	1.4	1.4	1.3	1.3	1.1
116.5°	1.4	1.4	1.3	1.1	1.2	1.4	1.4	1.4	1.3	1.3	1.1
117°	1.4	1.4	1.2	1.1	1.2	1.5	1.4	1.4	1.2	1.3	1.1
117.5°	1.5	1.4	1.1	1.2	1.3	1.6	1.4	1.4	1.2	1.4	1.1
118°	1.5	1.5	1.1	1.2	1.3	1.6	1.4	1.3	1.2	1.5	1.1
118.5°	1.5	1.5	1.1	1.2	1.3	1.7	1.4	1.3	1.2	1.7	1.2
119°	1.5	1.5	1.1	1.2	1.3	1.7	1.4	1.3	1.2	1.8	1.2
119.5°	1.5	1.4	1.2	1.3	1.4	1.7	1.4	1.3	1.2	1.8	1.2
120°	1.6	1.2	1.2	1.3	1.4	1.7	1.5	1.3	1.3	1.7	1.2
120.5°	1.6	1.2	1.2	1.3	1.4	1.6	1.5	1.3	1.3	1.6	1.3
121°	1.5	1.2	1.2	1.3	1.4	1.6	1.5	1.4	1.3	1.6	1.3
121.5°	1.4	1.2	1.3	1.4	1.5	1.6	1.5	1.4	1.3	1.6	1.3
122°	1.3	1.2	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.6	1.3
122.5°	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.4	1.4	1.6	1.4
123°	1.2	1.2	1.4	1.4	1.5	1.6	1.6	1.4	1.4	1.6	1.4
123.5°	1.2	1.3	1.4	1.4	1.6	1.6	1.6	1.4	1.4	1.6	1.4
124°	1.2	1.3	1.4	1.5	1.6	1.6	1.6	1.4	1.4	1.6	1.4
124.5°	1.2	1.3	1.4	1.5	1.6	1.6	1.6	1.4	1.4	1.7	1.5
125°	1.2	1.3	1.4	1.5	1.7	1.7	1.6	1.4	1.4	1.7	1.5
125.5°	1.3	1.4	1.5	1.5	1.8	1.7	1.6	1.4	1.4	1.7	1.5
126°	1.3	1.4	1.5	1.6	1.9	1.7	1.7	1.4	1.4	1.7	1.5
126.5°	1.3	1.4	1.5	1.6	1.9	1.7	1.7	1.4	1.4	1.7	1.6
127°	1.4	1.4	1.5	1.6	2.0	1.7	1.7	1.5	1.4	1.7	1.7
127.5°	1.4	1.5	1.6	1.6	2.1	1.7	1.7	1.5	1.4	1.7	1.8
128°	1.4	1.5	1.6	1.7	2.1	1.6	1.7	1.5	1.5	1.6	1.9
128.5°	1.4	1.5	1.6	1.7	2.1	1.6	1.7	1.5	1.5	1.6	2.0
129°	1.4	1.5	1.6	1.7	2.0	1.6	1.7	1.5	1.5	1.6	2.1
129.5°	1.5	1.5	1.6	1.7	2.0	1.6	1.7	1.5	1.5	1.6	2.0
130°	1.5	1.6	1.7	1.8	2.0	1.6	1.7	1.5	1.5	1.6	1.9
130.5°	1.5	1.6	1.7	1.8	2.0	1.6	1.7	1.5	1.5	1.6	1.8
131°	1.5	1.6	1.7	1.8	1.9	1.6	1.7	1.5	1.5	1.6	1.9
131.5°	1.6	1.6	1.7	1.9	1.9	1.6	1.7	1.5	1.5	1.6	1.9
132°	1.6	1.6	1.8	2.0	1.9	1.6	1.7	1.5	1.5	1.6	1.9
132.5°	1.6	1.7	1.8	2.1	1.9	1.6	1.7	1.5	1.5	1.6	1.9
133°	1.6	1.7	1.8	2.2	1.9	1.6	1.7	1.6	1.5	1.6	1.9
133.5°	1.6	1.7	1.8	2.3	1.9	1.6	1.7	1.6	1.5	1.6	1.8



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	1.7	1.8	1.9	2.6	1.9	1.7	1.8	1.6	1.6	1.6	1.9
135.5°	1.7	1.8	1.9	2.5	2.0	1.7	1.8	1.6	1.6	1.6	1.9
136°	1.7	1.8	2.0	2.5	2.0	1.7	1.8	1.6	1.6	1.6	2.0
136.5°	1.8	1.8	2.0	2.4	2.0	1.7	1.8	1.6	1.6	1.7	2.0
137°	1.8	1.9	2.1	2.3	2.0	1.7	1.8	1.6	1.6	1.7	2.0
137.5°	1.8	1.9	2.2	2.3	2.0	1.8	1.8	1.6	1.6	1.7	2.0
138°	1.8	1.9	2.4	2.2	2.0	1.8	1.8	1.6	1.6	1.7	1.9
138.5°	1.9	2.0	2.5	2.2	1.9	1.8	1.9	1.6	1.6	1.7	1.9
139°	1.9	2.0	2.6	2.2	1.9	1.9	1.9	1.6	1.6	1.8	1.9
139.5°	1.9	2.0	2.7	2.2	1.8	1.9	1.9	1.7	1.6	1.8	1.9
140°	1.9	2.1	2.7	2.2	1.8	1.9	1.9	1.7	1.7	1.8	1.9
140.5°	2.0	2.2	2.7	2.2	1.8	1.9	1.9	1.7	1.7	1.8	1.9
141°	2.0	2.3	2.6	2.3	1.7	1.9	1.9	1.7	1.7	1.9	1.9
141.5°	2.0	2.4	2.5	2.3	1.7	1.9	1.9	1.7	1.7	1.9	1.8
142°	2.1	2.6	2.4	2.3	1.7	1.9	1.9	1.7	1.7	1.9	1.8
142.5°	2.2	2.7	2.3	2.3	1.7	1.9	1.9	1.7	1.7	1.9	1.8
143°	2.3	2.7	2.3	2.2	1.7	1.9	1.9	1.7	1.7	1.9	1.8
143.5°	2.4	2.7	2.3	2.2	1.7	2.0	1.8	1.7	1.7	1.9	1.8
144°	2.6	2.7	2.2	2.2	1.7	2.0	1.8	1.7	1.7	2.0	1.8
144.5°	2.7	2.6	2.2	2.1	1.7	2.0	1.8	1.7	1.7	2.0	1.8
145°	2.8	2.5	2.3	2.1	1.8	2.0	1.8	1.7	1.7	2.0	1.8
145.5°	2.8	2.4	2.3	2.0	1.8	2.0	1.8	1.7	1.7	2.0	1.8
146°	2.8	2.3	2.3	1.9	1.8	2.0	1.8	1.7	1.7	2.0	1.8
146.5°	2.7	2.3	2.3	1.9	1.8	2.0	1.8	1.7	1.7	2.0	1.9
147°	2.6	2.3	2.3	1.8	1.8	2.0	1.8	1.7	1.7	2.0	1.9
147.5°	2.4	2.3	2.3	1.8	1.8	2.0	1.8	1.7	1.7	2.0	1.9
148°	2.4	2.3	2.2	1.7	1.8	2.0	1.8	1.8	1.7	2.0	1.9
148.5°	2.3	2.3	2.2	1.7	1.8	2.0	1.8	1.8	1.7	2.0	1.9
149°	2.3	2.3	2.1	1.7	1.9	2.0	1.8	1.8	1.7	2.0	2.0
149.5°	2.3	2.3	2.0	1.7	1.9	2.0	1.8	1.8	1.7	2.0	1.9
150°	2.3	2.3	2.0	1.7	1.9	2.0	1.8	1.8	1.7	2.0	2.0
150.5°	2.3	2.3	1.9	1.7	1.9	2.0	1.7	1.8	1.7	2.0	2.0
151°	2.3	2.2	1.8	1.7	1.9	2.0	1.8	1.8	1.7	2.0	2.0
151.5°	2.3	2.2	1.8	1.7	1.9	2.0	1.8	1.8	1.7	2.0	2.0
152°	2.3	2.1	1.7	1.7	1.9	2.0	1.8	1.8	1.7	2.0	2.1
152.5°	2.3	2.0	1.7	1.7	1.9	2.0	1.8	1.7	1.7	2.0	2.1
153°	2.2	1.9	1.7	1.7	2.0	2.0	1.8	1.7	1.7	2.0	2.1
153.5°	2.1	1.9	1.6	1.8	2.0	2.0	1.8	1.7	1.7	2.0	2.1
154°	2.1	1.8	1.6	1.8	2.0	2.0	1.8	1.7	1.6	2.0	2.1
154.5°	2.0	1.7	1.6	1.8	2.0	2.0	1.8	1.7	1.6	2.0	2.1
155°	1.9	1.7	1.7	1.8	2.0	1.9	1.8	1.7	1.6	2.0	2.1
155.5°	1.8	1.6	1.7	1.8	2.0	1.9	1.8	1.7	1.6	2.0	2.1
156°	1.7	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.6	2.0	2.1



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	1.6	1.7	1.8	1.9	2.0	2.0	1.8	1.7	1.5	1.9	2.0
158°	1.6	1.7	1.8	1.9	2.0	1.9	1.8	1.6	1.5	1.7	2.0
158.5°	1.6	1.7	1.8	1.9	2.0	1.9	1.8	1.6	1.4	1.6	2.0
159°	1.6	1.7	1.8	2.0	2.0	1.9	1.8	1.7	1.4	1.7	2.1
159.5°	1.7	1.7	1.9	2.0	2.0	1.9	1.8	1.7	1.4	1.7	2.0
160°	1.7	1.8	1.9	2.0	2.0	1.9	1.8	1.7	1.5	1.8	1.8
160.5°	1.7	1.8	1.9	2.0	2.0	1.8	1.7	1.6	1.5	1.8	1.7
161°	1.7	1.8	1.9	2.0	1.9	1.8	1.5	1.5	1.5	1.8	1.8
161.5°	1.8	1.8	1.9	2.0	1.9	1.8	1.4	1.5	1.5	1.8	2.0
162°	1.8	1.9	1.9	2.0	1.9	1.7	1.4	1.6	1.5	1.8	2.0
162.5°	1.8	1.9	2.0	1.9	1.9	1.6	1.6	1.6	1.5	1.8	2.0
163°	1.8	1.9	2.0	1.9	1.9	1.6	1.6	1.5	1.5	1.7	2.0
163.5°	1.9	1.9	2.0	1.9	1.9	1.6	1.7	1.5	1.5	1.7	2.0
164°	1.9	1.9	2.0	1.9	1.7	1.7	1.7	1.5	1.5	1.7	2.0
164.5°	1.9	2.0	2.0	2.0	1.6	1.7	1.7	1.5	1.5	1.8	2.0
165°	1.9	2.0	1.9	2.0	1.6	1.7	1.7	1.5	1.5	1.7	1.9
165.5°	1.9	2.0	1.9	2.0	1.7	1.8	1.6	1.6	1.4	1.6	1.9
166°	2.0	2.0	1.9	1.8	1.8	1.7	1.5	1.5	1.3	1.6	1.9
166.5°	2.0	2.0	1.9	1.6	1.8	1.7	1.5	1.3	1.2	1.6	1.9
167°	2.0	2.0	2.0	1.6	1.8	1.6	1.4	1.2	1.2	1.5	1.8
167.5°	2.0	2.0	2.0	1.8	1.7	1.5	1.2	1.3	1.3	1.3	1.7
168°	2.0	1.9	2.0	1.9	1.7	1.3	1.2	1.3	1.3	1.3	1.4
168.5°	2.0	1.8	1.9	1.8	1.6	1.2	1.2	1.3	1.3	1.3	1.3
169°	2.0	1.9	1.8	1.7	1.4	1.2	1.2	1.3	1.3	1.3	1.3
169.5°	2.0	1.9	1.6	1.7	1.3	1.2	1.2	1.3	1.3	1.3	1.3
170°	2.0	1.9	1.4	1.5	1.2	1.2	1.2	1.3	1.3	1.3	1.3
170.5°	1.9	1.9	1.5	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3
171°	1.8	1.8	1.6	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3
171.5°	1.8	1.7	1.4	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
172°	1.7	1.6	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
172.5°	1.7	1.5	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.3	1.3
173°	1.7	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
173.5°	1.7	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
174°	1.7	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
174.5°	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
175°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
175.5°	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
176°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
176.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
178°	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.4	1.3
178.5°	1.2	1.3	1.4	1.3	1.5	1.6	1.7	1.7	1.7	1.7	1.6



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3
0.5°	791.3	789.9	790.2	794.1	791.4	790.5	789.5	790.0	791.5	791.2	790.0
1°	793.5	789.4	790.2	791.3	791.8	791.6	789.1	789.3	790.6	789.4	790.0
1.5°	789.8	789.9	789.4	790.8	791.1	789.6	789.6	790.6	790.6	791.3	789.8
2°	788.8	789.1	789.4	790.9	791.2	793.3	789.0	788.4	791.2	791.2	791.5
2.5°	788.8	788.7	788.7	792.8	790.5	790.4	789.3	789.3	790.8	792.7	789.9
3°	788.0	788.4	788.4	789.6	789.6	789.9	787.6	789.0	790.7	791.4	789.3
3.5°	787.1	787.8	787.7	788.2	789.1	788.5	788.8	788.2	789.6	790.2	788.2
4°	786.6	786.4	787.4	789.5	788.2	788.4	787.8	787.7	789.1	788.6	788.8
4.5°	785.3	785.6	786.2	789.8	789.0	788.7	787.6	787.3	788.6	788.8	787.9
5°	784.0	785.3	785.6	786.9	787.7	785.6	786.4	786.4	788.1	788.3	786.9
5.5°	783.3	783.8	784.1	790.1	786.1	787.9	784.6	785.8	787.0	788.0	786.6
6°	782.2	782.6	783.0	785.4	784.9	784.1	785.3	785.0	786.4	786.8	786.6
6.5°	781.3	781.3	782.1	783.0	783.9	782.8	783.9	784.0	785.0	786.1	785.0
7°	779.7	780.0	781.2	782.6	782.4	783.1	782.2	782.2	784.7	785.4	784.1
7.5°	778.1	779.1	779.4	780.6	781.5	783.7	781.8	781.5	783.0	783.5	782.6
8°	777.0	777.6	778.0	780.3	780.0	780.1	778.4	780.0	782.1	782.7	781.7
8.5°	775.7	775.5	776.6	778.1	778.9	775.8	777.8	778.4	780.7	781.1	780.0
9°	773.4	773.9	774.7	776.0	775.6	777.7	775.3	777.4	779.5	779.7	778.8
9.5°	771.6	772.3	772.8	775.3	774.7	776.8	774.5	775.6	777.8	779.4	777.7
10°	770.3	770.7	770.6	773.6	773.4	773.3	773.5	774.4	775.9	780.3	776.4
10.5°	768.0	768.0	769.5	771.6	771.5	771.3	771.8	772.1	774.5	776.8	774.4
11°	765.8	766.4	767.5	770.7	771.6	769.4	771.0	770.3	772.4	788.8	772.3
11.5°	763.5	764.3	765.1	769.6	767.7	767.1	769.0	768.4	770.8	770.8	769.5
12°	761.0	762.1	762.9	764.7	765.8	765.1	766.3	766.8	768.9	769.0	768.5
12.5°	759.4	760.0	761.3	761.6	763.1	762.1	763.8	765.1	766.2	767.2	766.4
13°	756.7	757.8	758.9	760.7	760.3	764.1	762.7	762.3	764.3	765.0	766.0
13.5°	754.6	754.9	755.8	765.1	760.2	756.1	758.1	761.1	761.9	763.1	762.2
14°	751.3	752.5	753.3	755.4	756.4	754.2	757.0	757.7	759.4	760.5	760.1
14.5°	749.0	750.0	750.4	753.0	754.2	755.8	753.5	754.5	757.4	757.7	757.7
15°	746.7	747.6	748.0	750.3	755.0	755.7	751.4	752.9	754.9	756.0	755.1
15.5°	744.0	744.2	745.2	745.8	747.0	748.8	748.4	750.3	752.3	752.9	753.1
16°	740.3	741.3	742.5	747.3	744.2	747.6	746.0	747.1	749.3	750.7	749.5
16.5°	738.0	738.4	739.2	741.4	741.5	745.2	743.0	744.9	746.3	747.5	746.5
17°	735.1	735.7	736.4	739.3	739.2	740.4	740.4	741.4	743.0	744.9	744.0
17.5°	731.6	732.3	733.0	737.1	735.9	735.5	737.0	737.5	740.6	741.4	742.0
18°	728.2	729.0	730.3	730.7	732.4	734.3	734.4	735.0	737.2	738.7	739.3
18.5°	725.0	726.1	726.8	729.3	730.7	730.4	730.6	731.8	734.1	736.0	735.6
19°	721.4	722.5	723.5	727.8	726.3	724.9	726.7	729.8	730.5	732.1	732.3
19.5°	718.8	718.6	719.9	721.0	722.1	723.4	724.4	721.2	727.5	728.8	729.7
20°	714.4	715.3	716.3	718.7	718.1	719.9	720.0	720.2	724.1	725.9	726.0
20.5°	710.7	711.9	712.4	714.9	715.7	715.6	716.5	718.5	720.4	722.5	722.4
21°	706.6	707.7	708.9	711.3	709.3	710.5	712.2	715.9	715.7	718.5	718.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	695.4	696.1	697.1	696.9	699.4	700.2	701.0	701.9	706.4	707.0	708.1
23°	691.5	692.2	693.1	692.4	694.6	696.3	697.0	697.8	701.6	703.4	703.3
23.5°	687.3	688.0	688.6	691.2	690.2	692.5	692.7	694.5	697.6	699.7	700.2
24°	683.0	684.0	684.7	687.3	688.0	688.0	689.1	690.8	693.5	695.7	696.1
24.5°	678.5	679.5	680.1	685.3	682.1	679.8	684.5	686.9	689.5	691.1	692.3
25°	674.2	674.9	675.7	677.4	676.7	680.4	680.1	682.4	684.7	687.2	687.6
25.5°	669.7	670.8	671.2	672.2	674.3	674.8	675.2	677.4	680.8	683.1	684.3
26°	665.7	666.3	667.0	667.7	669.4	669.3	671.4	673.2	675.2	678.6	678.7
26.5°	661.2	661.7	661.8	663.5	664.1	665.0	667.6	667.5	671.8	673.9	675.3
27°	656.3	656.9	657.7	659.7	659.3	659.7	661.3	663.7	661.7	669.6	670.0
27.5°	652.0	651.7	652.4	654.7	654.7	655.1	658.2	659.0	662.7	664.7	666.5
28°	646.5	647.0	647.7	648.3	648.3	650.1	651.0	655.3	657.4	660.1	661.5
28.5°	642.1	642.3	643.1	642.8	644.4	647.9	645.4	648.4	652.5	656.2	656.3
29°	636.8	637.6	638.2	642.3	638.9	640.4	639.9	646.5	648.6	651.4	652.0
29.5°	631.9	632.3	633.0	633.6	635.1	634.9	637.3	639.6	643.0	646.2	646.5
30°	627.1	627.2	627.6	629.7	628.8	629.7	631.5	630.6	637.8	641.2	642.2
30.5°	621.8	622.2	622.4	623.9	623.6	623.3	626.2	629.1	633.0	635.8	637.2
31°	616.5	617.1	617.4	617.8	618.4	618.9	619.3	625.2	627.7	631.1	634.9
31.5°	611.8	612.0	611.8	612.8	611.9	615.2	614.7	616.5	622.1	625.4	627.2
32°	606.4	606.7	606.7	608.5	608.0	607.5	609.3	614.4	617.3	620.8	622.2
32.5°	601.4	601.1	601.1	601.9	601.6	602.7	604.3	607.1	611.7	615.7	617.4
33°	595.7	596.0	595.8	595.4	595.9	594.3	598.3	602.7	606.3	610.1	611.7
33.5°	590.4	590.2	589.7	590.2	591.0	587.2	592.5	595.3	600.7	604.7	606.4
34°	584.8	584.4	584.2	585.0	584.7	590.8	586.3	591.1	595.4	598.8	600.6
34.5°	579.7	579.5	578.9	579.5	578.2	578.1	581.3	585.4	589.7	593.4	595.1
35°	573.9	573.5	573.0	573.9	572.7	569.4	576.0	577.7	583.8	587.9	590.5
35.5°	568.3	567.8	567.1	567.9	567.0	568.9	570.1	573.3	578.4	582.3	584.6
36°	562.5	562.1	561.4	563.2	561.4	563.2	563.3	566.1	572.5	576.8	579.6
36.5°	557.7	556.8	555.9	556.0	554.7	554.0	559.0	561.3	566.7	571.5	573.6
37°	551.2	551.0	549.7	548.6	547.9	549.2	550.7	555.8	560.5	565.5	567.9
37.5°	545.3	544.7	543.4	543.6	543.6	543.1	545.7	549.4	554.4	559.5	563.0
38°	539.5	538.8	537.9	538.0	536.1	535.8	539.0	543.8	548.8	553.5	555.5
38.5°	533.8	532.9	531.8	531.8	530.5	530.6	533.0	537.5	542.9	547.6	550.2
39°	528.0	526.9	525.8	527.2	523.7	523.4	526.3	531.4	536.8	541.8	544.8
39.5°	522.2	521.3	519.5	518.5	518.0	520.8	519.8	525.4	530.7	535.7	538.8
40°	516.0	514.8	513.3	512.4	511.8	512.3	513.5	519.0	524.5	530.0	532.2
40.5°	510.1	509.2	507.3	506.7	504.8	506.3	507.3	512.3	518.1	523.4	526.7
41°	504.2	502.9	500.9	499.9	502.9	499.8	501.6	505.7	512.1	517.8	521.3
41.5°	498.5	496.8	495.0	498.9	493.0	492.5	495.7	499.2	506.3	511.4	515.2
42°	492.2	491.0	488.9	487.5	485.4	486.9	488.8	493.0	500.1	505.2	508.7
42.5°	485.9	484.5	482.6	480.6	479.3	481.1	482.3	486.9	493.8	498.9	502.7
43°	479.9	478.5	476.4	474.0	474.0	473.3	476.3	480.6	487.1	493.0	497.3
43.5°	474.1	472.4	470.0	468.7	466.9	466.5	469.8	473.6	480.7	486.6	490.5



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	455.6	453.6	451.0	450.7	448.5	447.9	450.5	456.5	462.4	468.0	471.9
45.5°	449.3	447.3	445.1	443.3	441.3	441.6	443.5	447.9	455.8	461.9	466.5
46°	443.4	441.2	438.7	436.4	435.3	435.3	436.7	444.7	449.4	455.8	459.5
46.5°	437.0	434.7	432.6	431.6	429.1	428.8	431.3	437.2	443.0	449.5	453.3
47°	430.9	428.8	425.9	423.8	420.7	422.5	424.6	431.6	436.7	443.0	447.0
47.5°	424.9	422.5	419.8	416.8	416.3	416.1	418.3	424.5	430.4	436.7	441.0
48°	418.5	416.5	413.4	411.8	409.7	409.7	412.3	416.4	424.0	430.2	434.8
48.5°	412.4	410.2	407.3	404.6	402.6	403.2	405.8	409.7	417.7	424.2	429.9
49°	406.0	404.2	400.9	399.2	394.3	397.2	399.0	404.8	411.4	417.6	421.9
49.5°	400.1	397.8	394.7	392.5	390.8	390.6	392.6	396.6	405.1	411.7	416.8
50°	393.7	391.5	388.5	386.2	384.0	384.5	386.7	391.6	398.9	405.1	408.0
50.5°	387.6	385.3	382.4	380.0	377.4	378.0	380.1	386.2	392.5	398.7	402.9
51°	381.7	379.0	376.2	373.9	371.9	372.0	374.0	377.8	386.3	392.6	397.0
51.5°	375.8	372.9	369.9	367.3	365.4	365.5	368.1	372.9	379.8	386.2	391.1
52°	369.1	366.9	363.9	361.7	359.3	359.6	361.8	365.2	373.8	380.3	384.9
52.5°	363.1	360.6	357.5	355.2	353.0	353.4	355.6	359.5	367.2	373.8	378.4
53°	356.3	354.5	351.6	349.4	346.9	347.4	349.4	354.8	361.5	367.7	372.0
53.5°	339.5	348.3	345.6	342.3	340.5	341.1	343.3	347.9	354.7	361.4	366.0
54°	344.8	342.5	339.4	335.4	334.7	335.4	337.4	342.8	348.9	355.3	359.9
54.5°	338.3	336.3	333.4	332.1	329.2	329.3	331.5	337.2	342.7	349.0	353.4
55°	332.3	330.5	327.3	325.3	322.4	323.5	325.3	329.4	336.5	342.9	347.6
55.5°	327.1	324.5	321.5	319.1	316.2	317.4	319.5	324.8	330.6	336.9	341.7
56°	319.9	318.5	315.4	312.7	311.1	311.3	313.7	318.4	324.5	331.0	335.1
56.5°	314.7	312.5	309.7	307.1	305.6	305.7	307.9	312.6	318.7	324.7	329.1
57°	308.5	306.6	303.6	302.3	300.9	299.6	301.8	306.8	312.6	318.9	322.9
57.5°	303.9	300.4	297.7	295.5	294.1	294.1	296.4	300.9	306.7	312.7	316.9
58°	297.2	294.8	292.0	289.7	289.2	288.1	290.6	294.8	300.9	306.6	311.0
58.5°	291.3	289.1	286.4	284.2	284.2	282.7	284.8	289.0	294.8	300.8	305.0
59°	285.3	283.2	280.6	277.8	273.0	276.9	279.2	283.6	289.2	294.9	299.0
59.5°	279.4	277.3	275.1	272.9	270.7	271.4	274.0	277.8	283.5	288.9	293.0
60°	273.5	271.4	269.2	267.6	265.7	265.8	267.9	271.9	277.7	283.0	286.7
60.5°	269.5	266.0	263.9	261.6	260.0	260.3	262.7	266.7	272.1	277.1	281.1
61°	261.7	260.3	258.1	256.0	254.8	255.0	257.1	261.1	266.4	271.8	275.0
61.5°	258.1	254.8	252.7	251.1	249.2	249.7	251.5	255.7	260.6	265.7	269.4
62°	250.5	248.9	246.8	245.0	243.8	244.3	246.3	249.9	254.9	260.1	263.5
62.5°	244.8	243.4	241.5	240.1	239.4	238.8	240.8	244.5	249.4	254.2	257.3
63°	239.5	237.8	236.2	234.3	233.0	233.8	235.6	238.9	244.0	248.7	251.5
63.5°	233.6	232.4	230.9	228.9	228.2	228.3	230.3	233.6	238.5	243.2	246.2
64°	228.3	227.0	225.5	223.8	222.9	223.4	225.1	228.4	232.9	237.4	240.2
64.5°	222.3	221.5	220.2	218.5	218.2	218.2	220.1	223.1	227.5	231.9	234.6
65°	217.0	216.1	214.8	213.8	213.1	213.3	214.8	218.2	222.4	226.5	229.1
65.5°	211.7	210.8	209.6	208.8	207.7	207.9	209.5	212.9	217.1	220.8	223.3
66°	206.3	205.4	204.3	203.2	202.5	203.2	204.5	207.8	211.7	215.3	217.8



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	190.2	189.7	189.0	188.5	188.3	188.6	189.9	192.6	196.2	199.4	200.6
68°	185.2	184.6	184.1	184.0	183.2	183.6	185.0	187.6	191.1	194.1	195.8
68.5°	179.4	179.5	179.4	178.6	178.3	178.8	180.1	182.9	186.0	188.7	190.1
69°	174.3	174.4	174.0	173.8	173.5	174.1	175.4	177.9	181.0	183.5	184.4
69.5°	168.8	169.4	169.3	169.1	169.1	169.5	170.8	173.1	176.1	178.5	179.2
70°	164.6	164.4	164.5	164.3	164.2	164.8	166.1	168.4	171.0	173.3	174.2
70.5°	158.4	159.5	159.8	159.5	159.3	160.2	161.8	163.8	166.2	168.2	168.7
71°	153.2	154.6	155.0	155.2	155.3	155.9	157.1	158.9	161.3	163.2	163.9
71.5°	148.8	149.7	150.2	150.4	150.8	151.2	152.7	154.3	156.8	158.2	158.4
72°	143.8	144.8	145.5	145.8	146.2	146.8	148.0	149.8	151.8	153.2	153.7
72.5°	138.7	140.1	141.0	141.7	141.9	142.3	143.5	145.2	147.2	148.4	148.4
73°	133.7	135.4	136.4	137.2	137.1	138.1	139.4	140.6	142.4	143.5	143.6
73.5°	129.3	130.8	132.0	132.7	133.3	133.7	134.8	136.3	137.9	138.8	138.2
74°	124.8	126.6	127.7	128.3	129.4	129.6	130.4	131.9	133.4	134.1	133.5
74.5°	120.2	122.3	123.5	124.3	125.3	125.6	126.4	127.6	128.8	129.4	128.9
75°	115.7	118.1	119.3	120.2	121.2	121.7	122.4	123.6	124.6	124.9	124.2
75.5°	111.1	113.8	115.1	116.2	117.2	117.7	118.4	119.6	120.4	120.5	119.5
76°	102.2	109.6	110.8	112.1	113.1	113.7	114.4	115.6	116.2	116.1	114.8
76.5°	102.3	104.6	106.5	107.8	109.0	109.7	110.4	111.5	111.9	111.6	110.1
77°	96.9	100.4	102.4	104.3	104.9	105.8	106.6	107.2	107.7	107.3	105.4
77.5°	93.0	95.7	98.3	100.4	101.1	101.9	102.7	103.2	103.5	102.8	100.7
78°	88.8	91.1	94.2	96.2	97.3	98.1	98.7	98.9	99.2	98.3	96.1
78.5°	84.4	87.6	90.3	92.3	93.5	94.3	94.9	95.3	95.3	94.2	91.8
79°	80.0	84.4	86.4	88.4	89.6	90.6	91.2	91.4	91.0	89.9	87.3
79.5°	75.8	79.5	82.6	84.8	86.1	86.9	87.5	87.7	87.2	85.7	82.8
80°	71.7	76.0	78.9	81.1	83.1	83.4	83.9	83.9	83.3	81.8	78.8
80.5°	68.3	71.9	75.3	77.6	79.1	80.0	80.3	80.3	79.5	77.8	74.5
81°	63.9	68.0	71.6	74.3	75.7	76.5	76.9	76.7	75.9	73.8	70.7
81.5°	60.2	64.6	68.1	70.6	72.1	73.1	73.4	73.1	72.2	70.0	66.4
82°	56.6	62.0	64.7	67.3	69.1	69.8	70.2	69.7	68.6	66.3	62.5
82.5°	53.1	57.5	61.3	64.2	65.5	66.5	66.7	66.4	65.1	62.7	58.7
83°	49.6	54.2	58.0	60.8	62.3	63.3	63.6	63.1	61.8	59.0	55.0
83.5°	46.3	51.0	54.8	57.6	59.4	60.3	60.5	59.9	58.3	55.6	51.5
84°	43.5	47.8	51.7	54.6	56.6	57.3	57.5	56.8	55.1	52.3	48.1
84.5°	39.9	44.9	48.7	51.6	53.0	54.3	54.3	53.6	51.9	49.1	44.6
85°	36.9	41.7	45.7	48.6	50.4	51.3	51.4	50.6	48.8	45.8	41.3
85.5°	34.0	38.8	42.8	45.7	47.6	48.5	48.6	47.7	45.9	42.7	38.2
86°	31.0	36.0	40.0	43.1	44.8	45.8	45.8	44.9	42.9	39.7	35.2
86.5°	28.4	33.2	37.3	40.3	42.2	43.1	43.0	42.3	40.1	36.9	32.5
87°	25.8	30.8	34.7	37.8	39.6	40.5	40.4	39.5	37.4	34.1	29.6
87.5°	23.4	28.2	32.3	35.2	37.1	38.0	37.9	36.8	34.8	31.4	26.8
88°	21.0	25.8	29.8	32.8	34.7	35.5	35.4	34.4	32.2	28.8	24.2
88.5°	18.8	23.6	27.5	30.5	32.4	33.2	33.1	32.0	29.8	26.4	21.9



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	13.5	17.4	21.1	24.1	25.8	26.6	26.4	25.2	23.0	19.7	15.8
90.5°	11.8	15.7	19.3	22.0	23.9	24.6	24.4	23.3	21.0	17.7	14.1
91°	10.1	14.2	17.4	20.2	21.9	22.7	22.5	21.3	19.1	15.9	12.5
91.5°	8.5	12.8	15.8	18.4	20.2	20.8	20.6	19.4	17.3	14.4	10.9
92°	7.3	11.3	14.4	16.8	18.4	19.1	18.9	17.7	15.6	13.0	9.2
92.5°	6.3	9.9	13.1	15.2	16.8	17.5	17.3	16.1	14.3	11.5	7.6
93°	5.4	8.5	11.7	14.0	15.3	16.0	15.7	14.6	13.0	10.1	6.6
93.5°	4.7	7.4	10.4	12.8	14.1	14.6	14.3	13.5	11.6	8.6	5.7
94°	4.1	6.5	9.0	11.5	12.9	13.4	13.2	12.3	10.3	7.6	5.0
94.5°	3.7	5.8	8.1	10.3	11.7	12.3	12.1	11.1	9.0	6.7	4.4
95°	3.3	5.2	7.2	9.1	10.5	11.2	11.0	9.9	8.1	6.0	3.9
95.5°	3.1	4.7	6.5	8.2	9.3	10.0	9.9	8.7	7.2	5.3	3.5
96°	2.9	4.3	5.9	7.4	8.5	8.9	8.7	7.9	6.5	4.8	3.3
96.5°	2.8	4.0	5.4	6.8	7.8	8.1	8.0	7.2	5.9	4.5	3.1
97°	2.7	3.8	5.0	6.2	7.1	7.4	7.3	6.6	5.5	4.2	3.0
97.5°	2.6	3.7	4.7	5.8	6.5	6.9	6.7	6.1	5.1	3.9	2.9
98°	2.6	3.5	4.5	5.4	6.1	6.4	6.2	5.7	4.8	3.8	2.8
98.5°	2.5	3.5	4.4	5.2	5.8	6.0	5.9	5.4	4.6	3.7	2.7
99°	2.5	3.4	4.3	5.0	5.5	5.7	5.6	5.1	4.5	3.6	2.7
99.5°	2.4	3.3	4.2	4.9	5.3	5.5	5.4	5.0	4.3	3.5	2.6
100°	2.4	3.2	4.1	4.7	5.2	5.3	5.2	4.9	4.2	3.4	2.6
100.5°	2.4	3.2	4.0	4.6	5.1	5.2	5.1	4.7	4.1	3.4	2.5
101°	2.4	3.1	3.9	4.5	5.0	5.1	5.0	4.6	4.1	3.3	2.5
101.5°	2.3	3.1	3.8	4.4	4.8	5.0	4.9	4.5	4.0	3.2	2.5
102°	2.3	3.0	3.8	4.4	4.7	4.9	4.8	4.5	3.9	3.2	2.4
102.5°	2.3	3.0	3.7	4.3	4.7	4.8	4.7	4.4	3.8	3.1	2.4
103°	2.3	3.0	3.6	4.2	4.6	4.7	4.6	4.3	3.8	3.1	2.4
103.5°	2.2	2.9	3.6	4.1	4.5	4.6	4.5	4.2	3.7	3.1	2.3
104°	2.2	2.9	3.5	4.1	4.4	4.5	4.5	4.1	3.7	3.0	2.3
104.5°	2.2	2.9	3.5	4.0	4.4	4.5	4.4	4.1	3.6	3.0	2.2
105°	2.2	2.9	3.5	4.0	4.3	4.4	4.3	4.0	3.6	3.0	2.2
105.5°	2.2	2.8	3.4	3.9	4.2	4.3	4.3	4.0	3.5	2.9	2.2
106°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	3.9	3.5	2.9	2.2
106.5°	2.2	2.8	3.4	3.8	4.1	4.2	4.1	3.9	3.5	2.8	2.2
107°	2.2	2.7	3.3	3.8	4.1	4.2	4.1	3.8	3.4	2.8	2.2
107.5°	2.2	2.7	3.3	3.8	4.0	4.1	4.1	3.8	3.4	2.8	2.2
108°	2.2	2.7	3.2	3.7	4.0	4.1	4.0	3.8	3.3	2.7	2.1
108.5°	2.1	2.7	3.2	3.7	4.0	4.1	4.0	3.7	3.2	2.7	2.1
109°	2.1	2.7	3.2	3.6	3.9	4.0	3.9	3.7	3.2	2.7	2.1
109.5°	2.1	2.7	3.1	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.0
110°	2.1	2.6	3.1	3.5	3.8	3.9	3.8	3.6	3.2	2.7	2.0
110.5°	2.1	2.6	3.1	3.5	3.8	3.9	3.8	3.5	3.1	2.6	2.0
111°	2.1	2.6	3.1	3.5	3.7	3.8	3.7	3.5	3.1	2.6	2.0



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.0	2.6	3.0	3.4	3.6	3.7	3.6	3.4	3.0	2.5	1.8
113°	1.9	2.6	3.0	3.4	3.6	3.6	3.6	3.4	3.0	2.5	1.8
113.5°	1.8	2.6	3.0	3.3	3.5	3.6	3.5	3.3	3.0	2.5	1.7
114°	1.7	2.5	2.9	3.3	3.5	3.6	3.5	3.3	2.9	2.4	1.6
114.5°	1.7	2.5	2.9	3.3	3.5	3.5	3.5	3.3	2.9	2.4	1.6
115°	1.6	2.4	2.9	3.3	3.5	3.5	3.5	3.3	2.9	2.4	1.5
115.5°	1.6	2.4	2.9	3.2	3.4	3.5	3.4	3.2	2.8	2.3	1.5
116°	1.6	2.4	2.9	3.2	3.4	3.5	3.4	3.2	2.8	2.2	1.4
116.5°	1.5	2.3	2.9	3.2	3.4	3.4	3.4	3.2	2.8	2.2	1.4
117°	1.5	2.2	2.8	3.2	3.3	3.4	3.3	3.1	2.8	2.1	1.4
117.5°	1.5	2.1	2.8	3.1	3.3	3.4	3.3	3.1	2.7	2.0	1.3
118°	1.4	2.0	2.7	3.1	3.3	3.4	3.3	3.1	2.6	1.9	1.3
118.5°	1.4	1.9	2.7	3.1	3.2	3.3	3.2	3.0	2.5	1.9	1.3
119°	1.4	1.9	2.6	3.0	3.2	3.3	3.2	3.0	2.5	1.8	1.3
119.5°	1.4	1.8	2.5	2.9	3.2	3.3	3.2	2.9	2.4	1.7	1.2
120°	1.3	1.8	2.4	2.9	3.1	3.2	3.1	2.8	2.3	1.7	1.2
120.5°	1.2	1.7	2.3	2.8	3.1	3.2	3.1	2.7	2.3	1.6	1.1
121°	1.2	1.7	2.2	2.8	3.0	3.1	3.0	2.7	2.2	1.6	1.0
121.5°	1.2	1.7	2.1	2.7	2.9	3.0	2.9	2.6	2.1	1.6	1.0
122°	1.2	1.6	2.1	2.6	2.9	2.9	2.8	2.5	2.0	1.5	1.0
122.5°	1.2	1.6	2.0	2.5	2.8	2.9	2.8	2.4	1.9	1.5	1.0
123°	1.2	1.6	1.9	2.3	2.7	2.8	2.7	2.3	1.9	1.5	1.0
123.5°	1.2	1.6	1.9	2.3	2.6	2.7	2.6	2.2	1.8	1.4	1.0
124°	1.3	1.5	1.8	2.2	2.4	2.6	2.5	2.2	1.8	1.4	1.0
124.5°	1.3	1.5	1.8	2.1	2.3	2.5	2.4	2.1	1.8	1.4	1.1
125°	1.3	1.4	1.8	2.1	2.3	2.4	2.3	2.0	1.7	1.3	1.1
125.5°	1.3	1.3	1.7	2.0	2.2	2.3	2.2	2.0	1.7	1.2	1.1
126°	1.3	1.2	1.7	2.0	2.1	2.2	2.2	1.9	1.6	1.1	1.1
126.5°	1.4	1.2	1.7	1.9	2.1	2.2	2.1	1.9	1.6	1.1	1.2
127°	1.4	1.2	1.7	1.9	2.0	2.1	2.0	1.8	1.6	1.1	1.2
127.5°	1.4	1.3	1.6	1.8	2.0	2.0	2.0	1.8	1.5	1.1	1.2
128°	1.4	1.3	1.6	1.8	1.9	2.0	1.9	1.7	1.5	1.2	1.2
128.5°	1.5	1.3	1.5	1.8	1.9	1.9	1.9	1.7	1.4	1.2	1.3
129°	1.5	1.3	1.3	1.7	1.8	1.9	1.8	1.7	1.3	1.2	1.3
129.5°	1.5	1.3	1.3	1.7	1.8	1.8	1.8	1.6	1.2	1.2	1.3
130°	1.5	1.4	1.3	1.6	1.8	1.8	1.8	1.6	1.2	1.3	1.3
130.5°	1.6	1.4	1.3	1.6	1.7	1.8	1.7	1.5	1.2	1.3	1.4
131°	1.6	1.4	1.3	1.5	1.7	1.7	1.7	1.4	1.2	1.3	1.4
131.5°	1.6	1.4	1.3	1.3	1.6	1.7	1.6	1.3	1.2	1.4	1.4
132°	1.6	1.5	1.3	1.3	1.6	1.6	1.5	1.2	1.3	1.4	1.4
132.5°	1.7	1.5	1.4	1.3	1.4	1.5	1.4	1.2	1.3	1.4	1.5
133°	1.7	1.5	1.4	1.3	1.3	1.4	1.3	1.2	1.3	1.4	1.5
133.5°	1.7	1.5	1.4	1.3	1.3	1.3	1.2	1.3	1.3	1.5	1.5



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.0	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.5	1.7
135.5°	2.2	1.7	1.5	1.4	1.3	1.3	1.3	1.4	1.4	1.6	1.8
136°	2.2	1.7	1.5	1.4	1.4	1.3	1.3	1.4	1.5	1.6	1.9
136.5°	2.2	1.7	1.6	1.5	1.4	1.3	1.4	1.4	1.5	1.6	2.0
137°	2.1	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.7	1.9
137.5°	2.0	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.6	1.7	1.8
138°	2.0	1.8	1.6	1.5	1.5	1.4	1.4	1.5	1.6	1.7	1.8
138.5°	2.0	1.8	1.7	1.6	1.5	1.5	1.5	1.5	1.6	1.7	1.8
139°	2.0	1.9	1.7	1.6	1.5	1.5	1.5	1.6	1.6	1.8	1.8
139.5°	2.0	2.0	1.7	1.6	1.5	1.5	1.5	1.6	1.7	1.8	1.8
140°	2.0	2.1	1.8	1.6	1.6	1.5	1.6	1.6	1.7	1.9	1.8
140.5°	2.0	2.2	1.8	1.7	1.6	1.6	1.6	1.6	1.7	2.1	1.8
141°	2.0	2.3	1.8	1.7	1.6	1.6	1.6	1.7	1.8	2.2	1.8
141.5°	2.0	2.3	1.8	1.7	1.7	1.6	1.6	1.7	1.8	2.2	1.8
142°	2.1	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.8	2.1	1.8
142.5°	2.1	2.1	2.0	1.8	1.7	1.7	1.7	1.7	1.9	2.0	1.8
143°	2.1	2.0	2.1	1.8	1.7	1.7	1.7	1.8	1.9	2.0	1.9
143.5°	2.1	2.1	2.2	1.9	1.8	1.7	1.8	1.8	2.1	2.0	1.9
144°	2.1	2.1	2.3	1.9	1.8	1.8	1.8	1.8	2.2	2.0	1.9
144.5°	2.1	2.1	2.3	1.9	1.8	1.8	1.8	1.9	2.3	2.0	1.9
145°	2.0	2.1	2.2	2.0	1.9	1.8	1.8	2.0	2.2	2.0	1.9
145.5°	2.0	2.1	2.1	2.2	1.9	1.9	1.9	2.1	2.1	2.0	1.9
146°	2.0	2.1	2.1	2.3	2.0	1.9	1.9	2.2	2.0	2.0	1.9
146.5°	2.0	2.1	2.1	2.4	2.1	2.0	2.0	2.3	2.0	2.0	1.8
147°	1.9	2.1	2.1	2.3	2.3	2.1	2.2	2.3	2.0	2.0	1.8
147.5°	1.9	2.1	2.1	2.2	2.4	2.3	2.3	2.1	2.0	2.0	1.8
148°	1.9	2.1	2.1	2.1	2.4	2.4	2.3	2.0	2.0	2.0	1.8
148.5°	1.9	2.1	2.1	2.1	2.2	2.3	2.2	2.0	2.0	2.0	1.8
149°	1.9	2.1	2.1	2.1	2.1	2.2	2.1	2.0	2.0	2.0	1.8
149.5°	1.8	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.0	1.8
150°	1.8	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.8
150.5°	1.8	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	1.8
151°	1.8	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	1.8
151.5°	1.8	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.8
152°	1.8	1.9	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.0	1.8
152.5°	1.8	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.9
153°	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9
153.5°	1.9	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9
154°	1.9	1.8	2.0	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9
154.5°	1.9	1.8	1.9	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9
155°	2.0	1.8	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.9	2.0
155.5°	2.0	1.8	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.9	2.0
156°	2.0	1.8	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.9	2.0



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.0	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0
158°	2.0	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0
158.5°	1.9	2.0	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.1
159°	1.9	2.0	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.1
159.5°	2.0	2.0	1.9	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.1
160°	2.1	2.0	1.9	1.9	1.8	1.8	1.8	1.9	2.0	2.1	2.1
160.5°	2.1	1.9	1.9	1.9	1.8	1.8	1.9	1.9	2.0	2.1	2.1
161°	2.1	1.8	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1
161.5°	2.1	1.9	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1
162°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.1	2.1	2.1
162.5°	1.7	2.1	2.0	2.0	1.9	1.9	2.0	2.0	2.1	2.2	2.1
163°	1.7	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1
163.5°	1.8	2.1	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1
164°	2.0	2.1	1.9	2.1	2.0	2.0	2.0	2.1	2.1	2.2	2.1
164.5°	2.0	2.1	2.0	2.1	2.1	2.0	2.1	2.1	2.1	2.2	2.1
165°	2.0	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1
165.5°	2.0	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1
166°	2.0	1.7	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.1
166.5°	2.0	1.9	2.1	1.9	2.1	2.1	2.1	2.1	2.2	2.2	2.1
167°	2.0	2.0	2.1	1.9	2.1	2.1	2.1	2.1	2.2	2.2	2.1
167.5°	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.0
168°	1.8	2.0	1.9	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.0
168.5°	1.7	1.9	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
169°	1.5	1.8	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
169.5°	1.4	1.8	1.7	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.0
170°	1.3	1.5	1.8	2.0	1.9	2.1	2.1	2.1	2.1	2.1	1.8
170.5°	1.3	1.4	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.0	1.8
171°	1.3	1.4	1.7	1.8	2.0	2.1	2.1	2.1	2.1	2.0	1.8
171.5°	1.3	1.4	1.4	1.5	2.0	2.0	2.1	2.1	2.0	2.0	1.8
172°	1.3	1.4	1.4	1.4	1.9	2.0	2.1	2.0	2.0	2.0	1.7
172.5°	1.3	1.3	1.4	1.4	1.8	2.0	2.0	2.0	2.0	1.9	1.7
173°	1.3	1.3	1.4	1.4	1.8	1.9	2.0	2.0	2.0	1.9	1.7
173.5°	1.3	1.3	1.4	1.4	1.8	1.8	2.0	2.0	1.9	1.8	1.7
174°	1.2	1.3	1.3	1.3	1.6	1.8	1.9	1.9	1.9	1.7	1.6
174.5°	1.3	1.3	1.3	1.3	1.3	1.7	1.9	1.9	1.9	1.7	1.4
175°	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.9	1.7	1.6	1.2
175.5°	1.3	1.3	1.3	1.3	1.3	1.5	1.7	1.8	1.6	1.5	1.3
176°	1.3	1.3	1.2	1.3	1.3	1.3	1.6	1.8	1.6	1.3	1.2
176.5°	1.3	1.3	1.2	1.2	1.2	1.2	1.6	1.5	1.5	1.2	1.2
177°	1.3	1.2	1.2	1.2	1.2	1.2	1.5	1.4	1.4	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2
178°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2
178.5°	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.1	1.1	1.2	1.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	790.3	790.3	790.3	790.3
0.5°	790.8	789.4	786.9	790.3
1°	790.3	789.7	792.1	790.9
1.5°	790.9	789.3	790.1	789.9
2°	790.3	789.3	789.8	790.1
2.5°	790.5	788.7	790.8	789.6
3°	789.8	788.8	789.4	790.5
3.5°	790.0	788.2	789.4	789.8
4°	789.0	787.5	790.4	789.2
4.5°	788.3	788.2	787.8	787.9
5°	788.4	786.9	788.4	787.9
5.5°	787.5	786.2	786.3	786.9
6°	787.2	786.6	787.7	786.1
6.5°	785.3	784.1	785.5	784.3
7°	784.1	783.4	784.7	784.4
7.5°	782.8	783.1	784.2	782.8
8°	781.8	780.5	782.0	781.4
8.5°	780.8	779.9	780.4	780.1
9°	779.7	778.5	779.0	779.3
9.5°	777.8	777.9	778.9	776.6
10°	776.3	775.5	778.5	777.2
10.5°	775.0	773.7	769.2	774.8
11°	772.9	772.5	772.5	772.5
11.5°	771.4	769.6	774.2	771.8
12°	769.3	768.2	774.4	768.6
12.5°	767.1	766.5	764.0	766.4
13°	765.7	764.5	764.8	763.8
13.5°	763.0	762.6	765.1	762.9
14°	760.9	759.2	760.6	759.2
14.5°	758.5	757.6	760.4	756.7
15°	755.5	755.6	758.3	757.7
15.5°	753.4	752.0	749.9	752.0
16°	751.1	749.4	749.0	750.5
16.5°	748.7	747.0	751.9	745.6
17°	745.3	743.2	744.4	745.5
17.5°	742.0	741.2	744.1	741.7
18°	739.7	738.9	740.8	739.2
18.5°	736.9	734.5	736.0	735.9
19°	733.2	733.1	733.2	732.4
19.5°	730.0	728.3	730.0	729.0
20°	726.9	724.9	727.6	726.4
20.5°	723.9	722.6	722.9	722.5
21°	720.1	719.9	721.0	719.4



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	709.2	707.7	713.0	708.6
23°	705.3	704.5	705.5	705.1
23.5°	701.5	701.4	704.1	703.9
24°	696.8	695.8	696.7	697.9
24.5°	693.2	692.6	693.3	702.6
25°	688.9	687.6	688.7	690.0
25.5°	684.8	684.2	685.4	684.0
26°	680.6	678.5	681.2	679.4
26.5°	676.9	676.7	676.3	675.9
27°	672.4	671.7	672.8	670.6
27.5°	667.8	666.5	668.1	666.0
28°	663.2	662.4	663.2	663.9
28.5°	658.2	657.6	659.0	663.3
29°	653.8	652.7	654.4	649.7
29.5°	648.9	648.9	649.5	649.3
30°	643.8	643.1	644.3	642.7
30.5°	639.2	639.1	639.4	638.9
31°	634.3	634.2	634.9	632.1
31.5°	629.1	627.9	629.9	629.0
32°	624.1	624.4	624.7	621.1
32.5°	618.9	619.6	619.8	619.9
33°	614.0	612.0	614.3	612.7
33.5°	608.8	608.9	609.4	606.7
34°	603.0	603.9	604.1	601.1
34.5°	597.7	598.0	598.8	598.7
35°	592.3	592.6	593.3	592.3
35.5°	587.2	587.1	587.2	586.2
36°	581.4	581.7	584.5	581.4
36.5°	575.9	575.4	575.8	575.6
37°	570.1	570.2	571.4	570.3
37.5°	564.4	564.2	564.9	562.8
38°	558.7	558.7	560.1	555.2
38.5°	553.4	553.5	552.4	550.2
39°	547.4	548.2	548.2	544.5
39.5°	541.6	541.2	541.7	542.2
40°	535.3	535.7	537.5	537.5
40.5°	529.6	530.3	531.4	530.3
41°	523.5	524.4	524.9	523.0
41.5°	517.9	518.7	519.5	522.2
42°	512.2	512.5	513.9	511.7
42.5°	506.0	505.7	505.9	505.2
43°	499.7	500.2	501.6	499.5
43.5°	493.7	494.2	495.0	493.4



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	475.2	475.2	476.5	475.4
45.5°	469.4	469.3	470.3	469.5
46°	462.9	463.4	464.8	460.6
46.5°	456.7	457.4	458.0	457.2
47°	450.7	450.4	452.4	451.3
47.5°	444.3	445.0	445.7	443.9
48°	438.2	439.3	439.8	436.2
48.5°	432.0	433.4	433.1	431.1
49°	425.7	426.6	427.0	427.7
49.5°	419.6	420.4	421.3	418.6
50°	413.0	414.0	414.2	413.9
50.5°	407.1	408.4	407.9	408.7
51°	400.9	401.6	402.0	400.7
51.5°	394.9	395.9	395.8	394.4
52°	388.3	389.3	389.9	388.3
52.5°	382.0	383.2	383.2	382.3
53°	376.1	376.8	377.4	375.2
53.5°	369.9	370.9	371.0	369.4
54°	363.4	364.3	364.8	363.4
54.5°	357.3	358.3	358.4	356.7
55°	351.2	351.8	352.3	351.1
55.5°	345.3	345.8	346.4	344.7
56°	338.6	339.4	340.2	338.3
56.5°	332.7	333.2	333.9	332.1
57°	326.5	327.1	327.8	325.1
57.5°	320.3	321.3	320.7	319.5
58°	314.3	315.1	315.4	314.2
58.5°	308.1	309.0	309.0	307.2
59°	302.1	302.7	303.0	302.2
59.5°	295.9	296.6	296.7	294.9
60°	289.9	290.7	290.6	289.1
60.5°	284.0	284.5	284.6	282.7
61°	278.0	278.5	278.8	277.4
61.5°	272.2	272.2	272.9	271.3
62°	266.0	266.7	266.8	264.5
62.5°	260.0	260.5	260.3	258.8
63°	254.1	254.5	254.2	252.6
63.5°	248.2	248.5	248.5	246.7
64°	242.3	242.3	241.9	240.3
64.5°	236.7	236.7	236.4	234.6
65°	230.8	231.2	230.3	228.5
65.5°	225.0	224.9	224.2	222.6
66°	219.4	219.2	219.2	216.8



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	202.3	201.7	201.0	198.8
68°	196.8	195.9	195.2	193.3
68.5°	191.1	190.5	189.4	186.8
69°	185.5	184.4	183.4	181.1
69.5°	180.0	179.0	177.7	175.5
70°	174.5	173.1	171.8	170.0
70.5°	169.0	167.7	166.1	163.9
71°	163.6	162.2	160.5	158.1
71.5°	158.3	156.9	155.0	152.5
72°	152.9	150.9	149.4	147.0
72.5°	147.5	145.8	143.6	141.6
73°	142.3	140.1	138.3	136.0
73.5°	137.2	134.9	132.9	130.4
74°	132.1	129.8	127.6	124.9
74.5°	127.2	124.7	122.3	119.5
75°	122.3	119.6	117.0	114.0
75.5°	117.4	114.4	111.7	108.6
76°	112.5	109.3	106.4	103.4
76.5°	107.6	104.2	101.3	97.9
77°	102.9	99.3	96.2	92.9
77.5°	98.0	94.3	91.3	88.3
78°	93.2	89.4	86.2	82.8
78.5°	88.6	84.7	81.4	77.6
79°	84.0	79.9	76.3	73.3
79.5°	79.4	75.0	71.4	68.3
80°	75.0	70.6	66.8	63.5
80.5°	70.6	66.1	62.1	58.9
81°	66.4	61.6	57.6	54.3
81.5°	62.2	57.4	53.2	50.2
82°	58.1	53.1	48.8	46.2
82.5°	54.1	49.1	44.8	42.2
83°	50.2	45.1	40.7	38.1
83.5°	46.5	41.1	36.7	34.1
84°	43.1	37.6	33.1	30.4
84.5°	39.5	34.0	29.4	26.7
85°	36.2	30.5	26.0	23.3
85.5°	33.0	27.4	22.8	20.1
86°	29.9	24.3	19.6	17.0
86.5°	27.0	21.3	17.1	14.1
87°	24.2	18.6	14.6	11.4
87.5°	21.6	16.4	12.0	8.9
88°	19.0	14.2	9.5	6.5
88.5°	16.7	12.0	7.0	5.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	11.2	6.1	2.5	1.4
90.5°	9.4	4.8	1.7	0.2
91°	7.6	3.7	1.1	0.2
91.5°	6.3	2.9	0.8	0.1
92°	5.2	2.3	0.6	0.1
92.5°	4.3	1.8	0.5	0.1
93°	3.7	1.6	0.5	0.1
93.5°	3.1	1.4	0.4	0.1
94°	2.7	1.3	0.4	0.1
94.5°	2.5	1.2	0.4	0.1
95°	2.3	1.2	0.4	0.1
95.5°	2.2	1.1	0.4	0.1
96°	2.1	1.1	0.4	0.2
96.5°	2.0	1.1	0.4	0.2
97°	1.9	1.1	0.4	0.2
97.5°	1.9	1.0	0.3	0.2
98°	1.8	1.0	0.3	0.2
98.5°	1.8	1.0	0.3	0.3
99°	1.8	1.0	0.3	0.3
99.5°	1.8	1.0	0.3	0.3
100°	1.7	1.0	0.3	0.4
100.5°	1.7	1.0	0.4	0.4
101°	1.7	0.9	0.4	0.4
101.5°	1.7	0.9	0.4	0.5
102°	1.6	0.9	0.4	0.5
102.5°	1.6	0.9	0.5	0.5
103°	1.6	0.9	0.5	0.6
103.5°	1.6	0.9	0.5	0.6
104°	1.6	0.8	0.5	0.6
104.5°	1.6	0.8	0.6	0.7
105°	1.5	0.8	0.6	0.7
105.5°	1.5	0.8	0.6	0.7
106°	1.5	0.8	0.6	0.7
106.5°	1.5	0.8	0.7	0.8
107°	1.5	0.8	0.7	0.8
107.5°	1.4	0.7	0.7	0.8
108°	1.4	0.7	0.8	0.9
108.5°	1.4	0.7	0.8	1.0
109°	1.3	0.8	0.8	1.0
109.5°	1.3	0.8	0.8	1.1
110°	1.2	0.8	0.9	1.1
110.5°	1.2	0.8	0.9	1.2
111°	1.2	0.8	0.9	1.2



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.1	0.9	1.0	1.2
113°	1.1	1.0	1.0	1.3
113.5°	1.1	1.0	1.0	1.3
114°	1.1	1.0	1.1	1.3
114.5°	1.0	1.1	1.1	1.4
115°	0.9	1.1	1.1	1.4
115.5°	0.8	1.1	1.2	1.4
116°	0.8	1.1	1.2	1.4
116.5°	0.9	1.1	1.2	1.4
117°	0.9	1.1	1.2	1.3
117.5°	0.9	1.1	1.2	1.3
118°	0.9	1.1	1.2	1.3
118.5°	0.9	1.1	1.2	1.3
119°	1.0	1.1	1.2	1.3
119.5°	1.0	1.1	1.2	1.3
120°	1.0	1.2	1.2	1.3
120.5°	1.0	1.2	1.3	1.3
121°	1.1	1.2	1.3	1.3
121.5°	1.1	1.2	1.3	1.3
122°	1.1	1.3	1.4	1.3
122.5°	1.1	1.3	1.4	1.4
123°	1.2	1.3	1.4	1.4
123.5°	1.2	1.3	1.4	1.4
124°	1.2	1.3	1.4	1.4
124.5°	1.2	1.4	1.4	1.4
125°	1.3	1.4	1.4	1.4
125.5°	1.3	1.4	1.5	1.4
126°	1.3	1.4	1.5	1.4
126.5°	1.3	1.4	1.5	1.4
127°	1.4	1.5	1.5	1.4
127.5°	1.4	1.5	1.5	1.5
128°	1.4	1.5	1.5	1.5
128.5°	1.4	1.5	1.5	1.5
129°	1.4	1.5	1.5	1.5
129.5°	1.5	1.5	1.5	1.4
130°	1.5	1.5	1.5	1.5
130.5°	1.5	1.5	1.5	1.5
131°	1.5	1.5	1.5	1.5
131.5°	1.5	1.5	1.6	1.5
132°	1.5	1.6	1.6	1.5
132.5°	1.5	1.6	1.6	1.5
133°	1.5	1.6	1.6	1.6
133.5°	1.6	1.6	1.6	1.6



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	1.6	1.6	1.6	1.6
135.5°	1.6	1.7	1.6	1.6
136°	1.7	1.7	1.6	1.6
136.5°	1.7	1.7	1.6	1.6
137°	1.7	1.7	1.6	1.6
137.5°	1.7	1.8	1.6	1.6
138°	1.7	1.8	1.6	1.6
138.5°	1.7	1.8	1.7	1.6
139°	1.7	1.8	1.7	1.6
139.5°	1.7	1.9	1.7	1.7
140°	1.7	1.9	1.7	1.7
140.5°	1.7	1.9	1.7	1.7
141°	1.7	2.0	1.7	1.7
141.5°	1.7	2.0	1.7	1.7
142°	1.7	2.0	1.7	1.7
142.5°	1.7	2.0	1.7	1.7
143°	1.7	2.0	1.7	1.7
143.5°	1.8	2.1	1.7	1.7
144°	1.8	2.1	1.7	1.7
144.5°	1.8	2.1	1.7	1.7
145°	1.9	2.1	1.7	1.7
145.5°	1.9	2.1	1.7	1.7
146°	1.9	2.1	1.7	1.7
146.5°	1.9	2.2	1.7	1.7
147°	2.0	2.2	1.7	1.8
147.5°	2.0	2.2	1.7	1.8
148°	2.0	2.2	1.7	1.7
148.5°	2.0	2.2	1.7	1.7
149°	2.0	2.2	1.7	1.7
149.5°	2.1	2.2	1.7	1.7
150°	2.1	2.2	1.7	1.7
150.5°	2.1	2.2	1.7	1.7
151°	2.1	2.2	1.7	1.7
151.5°	2.1	2.2	1.7	1.7
152°	2.1	2.1	1.7	1.7
152.5°	2.1	2.1	1.7	1.7
153°	2.2	2.1	1.7	1.7
153.5°	2.2	2.1	1.7	1.7
154°	2.2	2.1	1.7	1.7
154.5°	2.2	2.1	1.7	1.7
155°	2.2	2.1	1.7	1.7
155.5°	2.2	2.1	1.7	1.7
156°	2.2	2.1	1.7	1.7



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	2.2	2.1	1.6	1.7
158°	2.2	2.1	1.6	1.7
158.5°	2.2	2.1	1.6	1.7
159°	2.2	2.1	1.6	1.7
159.5°	2.2	2.1	1.6	1.7
160°	2.1	2.0	1.6	1.7
160.5°	2.1	2.0	1.6	1.7
161°	2.1	2.0	1.6	1.7
161.5°	2.1	2.0	1.6	1.7
162°	2.1	2.0	1.6	1.6
162.5°	2.1	2.0	1.6	1.5
163°	2.1	2.0	1.6	1.5
163.5°	2.1	2.0	1.6	1.5
164°	2.1	2.0	1.7	1.5
164.5°	2.1	2.0	1.6	1.4
165°	2.1	1.9	1.6	1.4
165.5°	2.0	1.9	1.6	1.4
166°	2.0	1.9	1.6	1.4
166.5°	2.0	1.8	1.6	1.4
167°	2.0	1.8	1.6	1.3
167.5°	2.0	1.8	1.6	1.2
168°	1.9	1.7	1.6	1.2
168.5°	1.9	1.7	1.4	1.1
169°	1.7	1.5	1.3	1.1
169.5°	1.7	1.3	1.2	1.2
170°	1.7	1.2	1.2	1.2
170.5°	1.7	1.3	1.2	1.2
171°	1.7	1.3	1.2	1.1
171.5°	1.6	1.2	1.3	1.1
172°	1.5	1.3	1.3	1.2
172.5°	1.3	1.2	1.2	1.2
173°	1.2	1.2	1.2	1.1
173.5°	1.2	1.2	1.2	1.1
174°	1.2	1.2	1.2	1.1
174.5°	1.2	1.2	1.2	1.1
175°	1.2	1.2	1.2	1.1
175.5°	1.2	1.2	1.2	1.2
176°	1.2	1.2	1.2	1.2
176.5°	1.2	1.2	1.2	1.2
177°	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	1.2
178°	1.2	1.2	1.2	1.2
178.5°	1.2	1.2	1.3	1.5



TEST NUMBER: P563528

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	1.7	1.7	1.7	1.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	715.3	716.3	706.9	719.1	711.7	710.2	708.4	708.2	705.8	703.7	701.9
22°	711.9	704.1	704.9	715.1	708.1	706.2	704.5	702.4	701.5	699.3	698.8



44°	487.0	486.6	482.5	488.8	479.3	474.4	468.2	462.9	457.5	454.4	453.0
44.5°	481.6	480.3	475.1	482.6	473.2	467.7	461.7	456.5	451.3	447.9	446.7



66.5°	210.5	210.2	207.7	212.2	206.3	203.2	198.9	196.0	192.8	190.9	190.5
67°	204.5	204.3	202.1	205.3	200.8	197.7	193.9	191.1	187.7	185.9	185.3



89°	3.9	4.4	7.5	12.5	17.3	21.7	25.2	27.8	29.2	29.5	28.8
89.5°	2.7	3.3	6.1	10.8	15.4	19.8	23.3	25.8	27.2	27.5	26.9



111.5°	1.2	1.2	1.0	0.9	1.1	1.1	1.2	1.4	1.5	1.6	1.5
112°	1.2	1.2	1.0	0.9	1.2	1.2	1.2	1.3	1.5	1.5	1.5



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



156.5°	1.7	1.6	1.9	2.0	1.9	1.7	1.6	1.6	1.7	1.8	1.7
157°	1.7	1.6	1.9	2.0	1.9	1.8	1.7	1.6	1.7	1.7	1.7



179°	1.7	1.7	1.6	1.4	1.3	1.2	1.2	1.0	1.1	1.0	1.0
179.5°	1.7	1.7	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.9	0.9





21.5°	700.9	697.6	702.3	699.8	700.2	700.1	699.4	700.7	706.0	697.0	707.1
22°	699.3	698.2	697.3	696.7	696.6	695.2	697.2	696.4	696.1	690.9	705.7



44°	455.3	458.3	461.3	465.5	465.6	465.2	465.9	466.3	468.1	464.0	473.7
44.5°	448.8	452.9	456.8	458.3	460.0	459.4	459.8	460.4	460.7	458.1	466.9



66.5°	191.6	193.7	195.8	196.8	197.3	196.3	195.8	196.5	197.0	197.4	202.2
67°	186.7	188.4	190.5	191.3	191.6	190.8	190.0	190.9	191.3	191.9	196.8



89°	27.3	24.7	21.1	16.5	11.5	6.7	3.4	1.3	3.2	6.9	12.3
89.5°	25.4	22.8	19.2	14.8	10.0	5.4	2.4	0.2	2.1	5.4	10.3



111.5°	1.4	1.2	1.2	1.1	1.1	1.1	1.3	1.3	1.2	1.1	1.3
112°	1.4	1.3	1.2	1.2	1.1	1.1	1.3	1.3	1.2	1.1	1.3



134°	1.7	1.7	1.8	2.4	1.9	1.6	1.7	1.6	1.6	1.6	1.9
134.5°	1.7	1.8	1.9	2.5	1.9	1.6	1.8	1.6	1.6	1.6	1.9



156.5°	1.7	1.6	1.7	1.9	2.0	2.0	1.8	1.7	1.6	2.0	2.1
157°	1.6	1.6	1.7	1.9	2.0	2.0	1.8	1.7	1.6	2.0	2.1



179°	1.1	1.2	1.4	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7
179.5°	0.9	1.2	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





21.5°	703.5	703.2	704.9	706.8	706.7	707.5	708.2	709.0	712.7	715.1	714.0
22°	699.1	699.9	701.2	705.5	704.0	707.8	704.9	705.8	709.2	711.2	711.8



44°	467.5	466.0	463.8	463.3	460.4	461.1	462.8	468.0	474.5	480.6	484.2
44.5°	461.6	460.1	457.7	456.3	452.7	453.8	456.8	462.1	468.7	474.4	478.5



66.5°	200.7	200.2	199.3	198.3	197.9	198.1	199.7	202.8	206.6	209.9	212.7
67°	195.5	194.8	194.0	193.9	192.7	193.4	194.7	197.5	201.3	204.5	207.2



89°	16.8	21.3	25.3	28.3	30.1	30.9	30.7	29.6	27.4	24.0	19.6
89.5°	15.1	19.4	23.2	26.1	27.9	28.7	28.6	27.4	25.2	21.8	17.4



111.5°	2.0	2.6	3.1	3.4	3.7	3.8	3.7	3.4	3.1	2.6	2.0
112°	2.0	2.6	3.0	3.4	3.6	3.7	3.6	3.4	3.1	2.6	1.9



134°	1.8	1.6	1.4	1.3	1.3	1.2	1.2	1.3	1.4	1.5	1.6
134.5°	1.9	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.5	1.6



156.5°	2.0	1.8	1.8	1.9	2.0	2.0	2.0	1.9	1.9	1.9	2.0
157°	2.0	1.9	1.8	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.0



179°	1.6	1.7	1.3	1.2	1.1	1.0	0.8	0.9	1.0	1.2	1.2
179.5°	1.7	1.7	1.4	1.2	0.9	0.9	0.9	0.8	1.0	1.0	1.3





21.5°	716.5	715.3	717.8	715.3
22°	712.6	712.7	712.8	711.9



44°	487.6	488.1	487.9	487.0
44.5°	481.7	482.5	482.4	481.6



66.5°	213.7	213.6	212.6	210.5
67°	208.0	207.5	206.7	204.5



89°	14.9	9.8	5.2	3.9
89.5°	13.1	7.7	3.7	2.7



111.5°	1.2	0.9	0.9	1.2
112°	1.2	0.9	1.0	1.2



134°	1.6	1.6	1.6	1.6
134.5°	1.6	1.6	1.6	1.6



156.5°	2.2	2.1	1.7	1.7
157°	2.2	2.1	1.7	1.7



179°	1.3	1.4	1.6	1.7
179.5°	1.5	1.6	1.7	1.7



(END OF REPORT)