

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: P563529

Luminaire Tested: **2NWS23C3-UNV-LOW-4000K**

Issue Date: 7/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563529
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-4000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

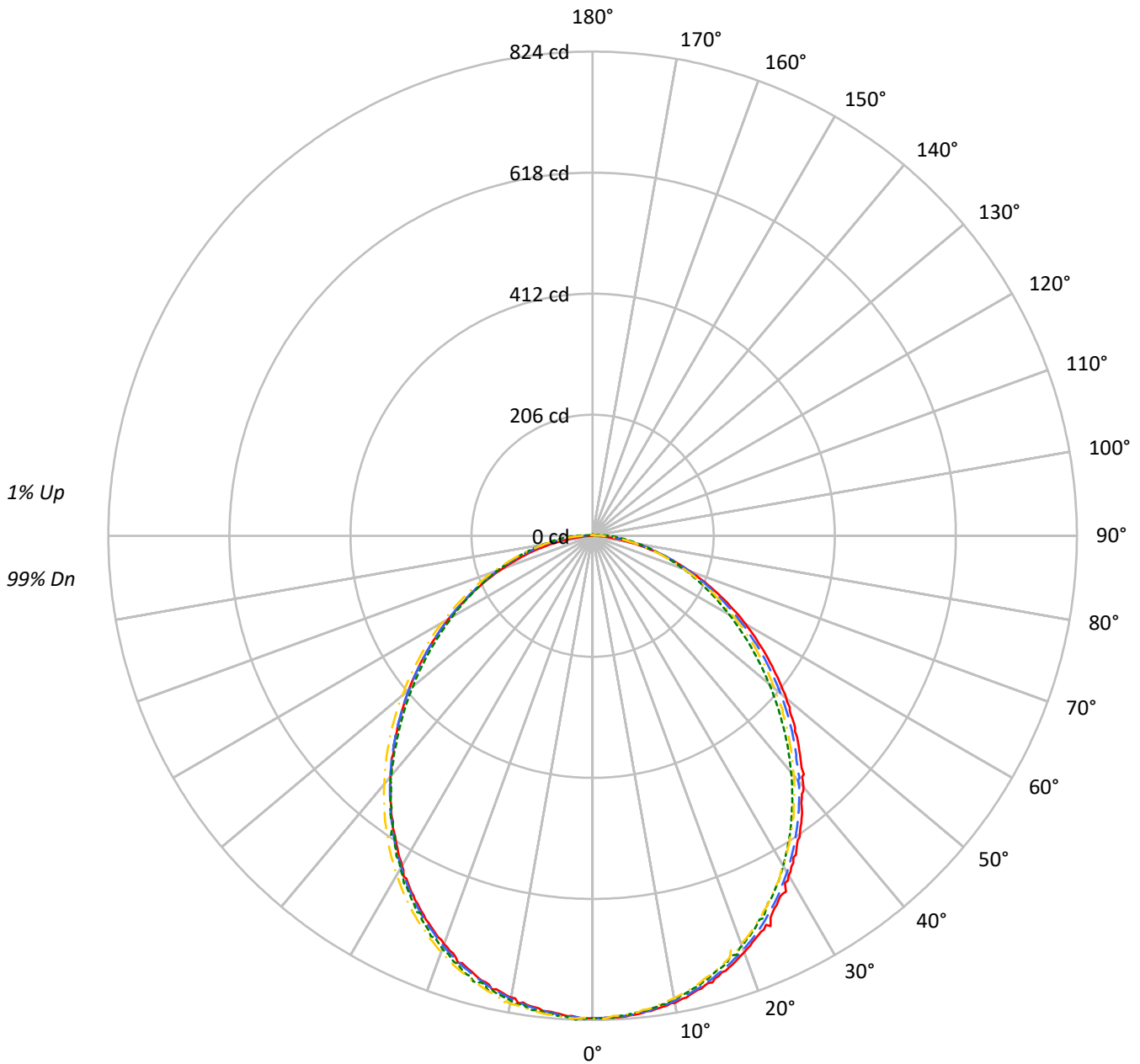
Lumens per Lamp: N/A
Luminaire Lumens: 2087.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 15.3
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									
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°	9981	9981	9981	9981
5°	9952	9789	9887	9798
10°	9894	9558	9782	9599
15°	9797	9302	9629	9407
20°	9617	8991	9425	9056
25°	9432	8626	9182	8719
30°	9152	8217	8892	8285
35°	8874	7735	8546	7760
40°	8563	7207	8208	7296
45°	8153	6638	7778	6737
50°	7749	6061	7356	6174
55°	7297	5487	6903	5619
60°	6812	4928	6428	5067
65°	6271	4386	5856	4547
70°	5638	3845	5207	4016
75°	4815	3286	4429	3493
80°	3735	2704	3310	2938
85°	2290	2197	1864	2365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	3.7
10°-20°	219.5	10.5
20°-30°	324.6	15.6
30°-40°	375.1	18.0
40°-50°	366.6	17.6
50°-60°	310.0	14.9
60°-70°	224.2	10.7
70°-80°	127.8	6.1
80°-90°	44.8	2.1
90°-100°	7.3	0.4
100°-110°	2.3	0.1
110°-120°	1.8	0.1
120°-130°	1.5	0.1
130°-140°	1.4	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°	621.6	29.8
0°-40°	996.7	47.8
0°-60°	1673.2	80.2
0°-90°	2069.9	99.2
90°-120°	11.4	0.5
90°-150°	15.5	0.7
90°-180°	17.0	0.8
0°-180°	2087.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	821	821	821	821	821	
5°	818	815	813	816	818	78
15°	787	776	774	785	787	221
25°	717	699	698	707	717	330
35°	615	590	593	592	615	384
45°	494	458	471	465	494	381
55°	365	328	345	336	365	326
65°	237	214	222	222	237	235
75°	118	119	109	126	118	126
85°	24	50	20	53	24	28
90°	2	27	0	28	2	1
95°	0	12	0	12	0	0
105°	1	3	1	5	1	1
115°	1	1	2	4	1	1
125°	2	1	2	2	2	1
135°	2	2	2	1	2	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	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°	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0
0.5°	821.0	824.0	815.1	831.5	820.9	820.8	821.1	823.0	820.2	821.6	820.2
1°	821.6	822.8	814.5	827.5	820.7	820.9	820.8	823.9	821.6	820.9	819.7
1.5°	820.5	822.3	814.0	833.0	820.3	820.8	820.5	824.3	822.3	821.2	819.3
2°	820.8	820.4	813.6	830.4	820.5	819.9	821.2	821.7	820.5	820.4	820.9
2.5°	820.2	819.0	813.7	826.9	822.0	819.8	819.9	820.0	820.2	821.6	818.4
3°	821.1	820.4	813.7	827.3	819.9	820.0	819.8	824.0	818.7	818.7	818.1
3.5°	820.5	818.2	812.7	826.4	819.7	818.7	819.0	822.3	819.5	818.3	817.2
4°	819.8	823.5	816.9	830.2	819.0	818.5	818.1	818.7	818.0	818.0	817.2
4.5°	818.5	819.8	812.3	827.3	818.7	817.4	817.0	819.2	817.6	816.5	816.9
5°	818.5	820.9	811.0	824.3	818.0	816.6	817.2	817.2	816.4	815.3	814.2
5.5°	817.4	816.9	811.6	825.7	816.1	815.2	815.7	817.4	815.9	814.7	813.1
6°	816.6	819.8	809.6	821.3	815.3	815.0	815.1	812.8	814.6	813.2	812.7
6.5°	814.7	811.5	808.6	822.5	815.1	814.0	813.7	815.7	814.3	812.5	810.2
7°	814.9	817.3	807.3	821.9	813.8	812.4	812.4	821.5	813.4	810.9	810.3
7.5°	813.2	812.7	809.7	821.5	812.3	811.3	811.1	808.2	811.4	809.6	808.3
8°	811.7	812.1	805.3	820.4	810.3	809.6	809.3	811.4	808.8	808.2	805.5
8.5°	810.4	811.7	803.1	818.6	809.4	808.3	807.3	807.3	808.7	806.2	804.7
9°	809.6	814.2	803.1	815.6	807.7	807.0	806.3	807.3	805.7	807.2	802.3
9.5°	806.8	807.7	800.4	812.2	806.1	805.5	804.9	806.1	803.5	801.3	801.7
10°	807.4	806.8	799.1	814.0	804.0	803.6	803.1	802.3	804.0	799.9	800.2
10.5°	804.9	804.1	797.4	810.5	802.2	801.9	800.9	799.5	799.3	798.3	798.2
11°	802.5	801.3	797.2	809.7	801.7	799.4	799.1	799.9	799.0	796.9	796.0
11.5°	801.8	800.1	793.9	804.9	798.7	797.1	796.8	796.7	795.8	794.4	793.8
12°	798.5	798.5	792.6	803.6	796.8	795.6	795.0	794.3	791.4	792.3	790.7
12.5°	796.2	795.5	789.2	802.6	794.1	793.1	792.2	794.0	791.0	789.5	788.1
13°	793.5	795.5	793.0	798.5	792.1	791.0	790.3	788.8	788.6	787.7	785.8
13.5°	792.6	791.7	785.5	803.8	790.4	788.3	787.6	786.7	786.6	784.9	783.2
14°	788.7	790.1	783.9	796.8	786.8	785.7	784.9	785.7	784.3	781.8	780.3
14.5°	786.1	787.9	751.6	794.8	784.1	783.2	782.2	788.0	780.2	779.6	777.1
15°	787.1	784.0	775.6	786.5	782.3	780.4	779.7	780.4	779.0	776.2	774.6
15.5°	781.2	776.3	775.5	791.4	779.0	777.7	776.5	775.0	777.5	772.4	772.1
16°	779.6	780.3	772.4	780.3	775.5	774.9	773.8	773.3	771.4	768.9	769.2
16.5°	774.6	776.9	768.7	784.1	773.5	772.0	770.2	769.5	768.4	767.3	765.9
17°	774.5	772.8	786.2	780.0	770.5	768.9	767.9	767.0	764.7	764.8	762.0
17.5°	770.5	770.1	763.2	778.0	767.0	765.7	764.2	765.8	766.0	761.0	758.8
18°	767.9	767.4	758.7	774.0	763.7	762.9	761.5	761.4	759.2	755.1	755.5
18.5°	764.5	765.2	757.8	770.1	760.0	758.9	758.2	758.1	755.6	752.8	752.1
19°	760.8	761.7	756.1	766.7	757.6	755.7	754.9	755.2	752.2	754.1	748.3
19.5°	757.3	759.5	753.3	763.7	755.0	752.2	750.9	749.9	748.9	746.0	745.0
20°	754.6	752.2	748.9	760.4	750.8	748.5	747.5	745.3	744.8	742.4	741.1
20.5°	750.5	749.4	744.4	756.5	747.0	745.0	743.7	744.7	742.1	738.5	738.0
21°	747.3	746.6	740.0	752.3	743.3	741.4	740.3	739.6	737.8	734.3	733.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	736.1	739.3	728.8	739.9	731.8	729.5	728.9	729.3	725.2	722.7	720.9
23°	732.4	730.2	726.1	739.6	727.6	725.6	724.5	721.3	720.0	717.4	715.9
23.5°	731.2	730.7	720.4	735.4	723.5	721.9	721.5	720.8	716.2	712.0	711.8
24°	725.0	723.1	718.8	729.9	719.3	717.0	720.9	713.8	711.6	712.7	707.5
24.5°	729.9	719.5	711.9	721.9	714.9	712.7	711.2	710.0	707.0	706.4	702.5
25°	716.8	714.7	710.7	721.3	710.5	708.6	706.1	703.1	701.9	699.3	698.7
25.5°	710.6	709.9	703.1	719.4	706.4	703.7	701.4	702.7	697.9	692.5	693.9
26°	705.8	705.0	699.6	710.4	701.6	699.1	697.6	699.7	692.9	690.0	689.2
26.5°	702.1	701.8	694.0	706.1	697.6	694.3	693.2	689.6	687.6	685.3	682.4
27°	696.6	696.6	686.8	700.3	692.6	690.0	687.4	685.4	683.3	680.1	679.0
27.5°	691.9	691.2	684.0	696.4	687.8	685.3	682.3	681.3	679.6	675.2	673.6
28°	689.7	687.5	679.2	691.5	682.7	680.5	678.0	676.9	672.2	670.1	668.3
28.5°	689.0	684.6	677.7	687.6	677.6	675.1	673.1	672.0	667.1	665.0	663.3
29°	675.0	677.0	670.9	681.0	672.7	670.0	668.3	664.6	662.5	659.3	657.6
29.5°	674.5	674.2	666.0	677.2	668.1	665.0	661.4	659.6	656.7	654.1	652.3
30°	667.6	664.9	658.8	673.5	662.9	660.1	656.6	658.2	651.7	648.7	647.0
30.5°	663.7	669.9	656.1	667.3	657.8	655.0	651.7	649.1	646.5	643.0	641.3
31°	656.7	658.5	649.8	660.7	652.5	649.6	646.4	643.2	640.5	637.2	636.1
31.5°	653.4	651.7	651.8	657.2	646.9	643.8	640.9	639.0	634.5	631.4	629.9
32°	645.3	647.0	640.8	655.7	641.6	638.5	634.9	632.2	628.9	625.8	623.7
32.5°	643.9	641.9	631.9	643.3	636.3	633.0	629.5	626.8	622.7	619.6	619.0
33°	636.5	636.9	630.7	639.8	631.0	627.7	623.8	620.7	616.4	614.0	612.4
33.5°	630.3	630.9	624.3	635.8	625.3	622.0	618.2	613.3	611.1	608.2	606.7
34°	624.4	623.8	620.0	636.6	619.6	616.1	611.9	611.4	605.0	602.5	599.5
34.5°	622.0	619.8	614.5	623.8	613.9	610.0	606.0	602.7	598.0	595.9	594.1
35°	615.3	614.0	607.5	618.9	608.5	604.8	600.2	596.8	593.4	589.6	587.8
35.5°	609.0	608.9	602.1	612.1	602.4	598.8	594.2	590.8	586.1	583.4	581.7
36°	604.0	602.6	596.5	605.2	596.9	593.2	587.9	583.8	579.7	577.2	576.2
36.5°	597.9	596.7	591.1	600.2	590.7	586.6	581.4	582.1	575.4	570.9	569.7
37°	592.4	590.7	585.6	595.2	585.4	580.9	576.2	570.7	568.9	564.7	563.0
37.5°	584.7	585.8	579.3	586.7	578.7	574.7	569.6	566.5	561.5	557.9	557.4
38°	576.8	579.4	573.5	581.7	572.7	569.1	563.3	558.9	555.5	551.4	550.3
38.5°	571.6	573.0	568.4	576.6	567.2	562.6	557.5	552.5	548.4	545.2	544.4
39°	565.7	567.1	561.8	571.7	561.2	556.1	549.7	548.5	541.6	538.6	537.0
39.5°	563.3	561.2	555.9	564.8	554.9	550.0	546.0	540.0	536.0	532.1	531.0
40°	558.4	555.4	549.8	551.6	542.1	544.0	539.2	532.5	529.0	525.6	524.2
40.5°	550.8	549.2	544.1	551.1	547.6	537.3	532.0	527.2	521.9	518.7	517.7
41°	543.3	543.1	537.5	545.6	534.4	531.2	525.2	523.2	517.3	512.1	511.0
41.5°	542.5	536.4	531.4	539.4	530.0	524.8	519.4	513.8	509.9	505.4	504.7
42°	531.5	530.1	525.1	533.1	520.2	518.3	512.3	508.8	502.6	498.7	497.4
42.5°	524.8	524.6	518.8	526.0	513.5	512.1	506.0	501.5	495.6	492.3	491.2
43°	518.9	518.4	512.9	523.1	510.5	505.8	499.4	494.4	489.0	485.5	484.5
43.5°	512.5	512.2	507.1	513.0	504.2	498.9	492.9	488.0	482.5	478.5	477.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	493.9	493.4	487.6	494.1	484.8	479.9	473.1	466.9	461.8	458.5	458.0
45.5°	487.8	486.9	481.4	487.7	478.5	473.4	466.7	459.5	455.5	451.8	451.4
46°	478.5	480.2	474.9	481.3	472.2	466.7	460.4	454.5	448.5	445.1	444.3
46.5°	474.9	473.6	468.4	475.0	465.5	459.9	453.4	447.9	441.9	438.4	437.6
47°	468.8	467.3	463.0	468.8	459.2	453.7	446.5	441.9	435.3	432.2	431.8
47.5°	461.2	460.7	454.5	461.8	452.7	446.9	440.0	434.9	428.4	425.1	424.4
48°	453.2	453.4	449.8	455.6	446.6	440.2	433.7	428.0	422.4	418.5	417.9
48.5°	447.8	448.7	442.9	449.1	439.6	433.6	427.0	421.7	414.7	411.6	410.9
49°	444.3	442.0	437.4	442.1	433.4	427.3	420.0	414.2	408.7	405.4	405.1
49.5°	434.8	433.9	430.3	435.2	426.6	420.9	414.3	407.0	401.9	398.7	397.3
50°	430.0	430.4	424.2	429.5	420.2	414.5	407.2	401.1	395.3	392.1	391.8
50.5°	424.5	421.4	416.9	422.6	413.7	407.2	400.6	395.2	388.7	385.5	384.1
51°	416.3	416.0	411.1	416.0	407.5	401.2	393.8	387.4	382.5	379.0	378.8
51.5°	409.7	408.4	404.6	409.2	400.7	394.4	387.4	381.8	375.6	372.4	371.8
52°	403.4	401.9	398.7	402.3	394.2	388.0	381.1	371.8	369.3	366.1	365.5
52.5°	397.1	396.6	392.3	396.2	388.0	381.7	374.5	368.2	363.0	359.7	358.7
53°	389.8	389.7	384.6	389.8	381.0	375.1	368.0	362.1	356.5	353.4	352.3
53.5°	383.8	383.7	377.2	383.8	374.9	368.7	361.7	355.5	350.0	347.0	346.3
54°	377.5	376.9	373.1	377.0	368.7	362.2	354.9	349.6	343.9	340.5	339.6
54.5°	370.5	369.8	366.0	370.3	361.6	356.0	348.7	345.8	337.8	334.4	334.2
55°	364.7	363.6	359.3	364.3	355.4	349.3	342.4	336.1	331.2	328.2	327.3
55.5°	358.1	357.7	354.8	356.1	349.1	343.2	335.9	330.1	325.2	321.9	321.6
56°	351.4	351.0	347.2	350.5	342.8	336.7	330.6	324.1	319.0	315.9	315.5
56.5°	345.0	343.9	343.2	344.0	336.2	330.5	323.8	317.5	312.9	309.7	309.5
57°	337.8	337.5	334.9	338.0	329.8	324.1	317.1	311.3	307.1	303.9	304.4
57.5°	331.9	330.8	328.1	333.0	323.6	317.9	311.4	305.1	300.6	297.7	296.6
58°	326.4	325.4	321.5	324.8	317.3	312.0	305.0	300.6	294.6	291.7	291.8
58.5°	319.1	318.2	314.8	318.4	311.0	305.4	298.8	293.1	289.0	286.0	285.7
59°	314.0	311.6	308.7	311.9	304.9	299.6	293.1	287.6	283.0	280.3	279.7
59.5°	306.3	306.3	302.3	306.0	298.6	293.1	287.1	281.5	277.1	274.2	274.1
60°	300.3	300.2	296.0	299.3	292.2	287.0	281.1	276.1	270.6	268.5	268.2
60.5°	293.7	293.6	289.8	293.0	286.1	281.0	274.8	270.1	265.3	263.0	262.5
61°	288.1	287.3	283.3	286.9	280.1	274.9	269.2	264.6	260.1	257.1	256.5
61.5°	281.9	280.5	276.9	280.8	274.0	269.0	263.0	258.7	254.3	251.5	251.5
62°	274.8	273.8	271.6	274.0	267.7	263.1	257.4	252.3	248.3	246.1	246.2
62.5°	268.8	268.2	264.6	267.6	261.9	257.0	251.6	246.8	243.5	240.7	239.6
63°	262.4	261.4	260.9	261.6	255.6	251.3	245.7	244.8	236.9	235.2	235.0
63.5°	256.3	255.3	253.7	255.4	249.8	245.3	240.4	236.1	232.1	229.7	229.5
64°	249.6	248.4	246.2	249.2	243.0	239.6	234.5	230.6	226.6	224.3	223.9
64.5°	243.7	242.8	240.5	243.2	238.0	233.9	229.1	224.3	221.3	219.3	219.0
65°	237.4	236.8	234.5	237.7	228.3	228.2	223.3	219.5	215.9	213.8	213.4
65.5°	231.2	230.4	228.1	231.0	225.8	222.6	217.7	214.3	210.7	208.7	208.2
66°	225.2	224.7	221.8	224.9	220.3	216.8	212.3	208.9	205.1	203.4	202.7



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	206.6	206.5	204.6	206.7	203.0	199.8	195.9	193.1	189.7	188.2	187.6
68°	200.8	200.0	198.8	200.9	197.1	194.5	190.8	188.1	184.9	183.1	182.9
68.5°	194.1	193.5	192.7	194.8	191.5	188.9	185.6	183.0	180.2	178.4	177.6
69°	188.2	187.9	186.7	189.1	186.0	183.5	181.0	177.9	174.9	173.6	173.1
69.5°	182.3	182.0	179.8	184.7	180.4	178.1	175.2	172.7	170.1	168.5	167.9
70°	176.7	176.1	173.6	177.5	174.7	172.9	170.3	167.9	165.9	163.9	163.2
70.5°	170.2	170.3	168.8	171.9	169.3	167.5	165.1	162.8	160.6	159.0	158.5
71°	164.2	164.0	163.0	165.9	163.9	162.3	160.2	158.1	155.9	154.5	153.7
71.5°	158.4	158.9	157.1	160.6	158.5	157.0	155.2	153.4	151.2	149.9	149.7
72°	152.7	152.8	152.1	155.3	153.1	152.1	150.3	148.4	146.7	145.3	145.4
72.5°	147.1	147.0	146.2	149.3	147.7	147.0	145.3	143.9	141.8	140.8	140.6
73°	141.3	141.2	140.4	143.9	142.6	141.9	140.7	139.2	137.5	136.2	135.6
73.5°	135.4	134.9	134.8	138.4	137.4	137.0	135.7	134.6	133.0	131.9	131.3
74°	129.8	129.8	129.2	132.7	132.2	131.9	131.2	130.3	128.6	127.5	126.8
74.5°	124.1	123.9	123.7	127.4	127.1	127.2	126.4	125.4	124.2	123.2	122.4
75°	118.4	118.5	118.5	122.0	122.1	122.4	121.7	121.1	120.1	118.9	118.4
75.5°	112.9	112.8	113.7	118.5	117.2	117.5	117.1	116.6	115.8	114.5	114.0
76°	107.5	107.8	107.5	111.7	112.1	112.9	112.4	112.6	111.5	111.0	109.8
76.5°	101.7	102.3	102.7	106.8	107.3	108.2	108.4	108.1	107.4	106.6	105.7
77°	96.5	96.8	97.4	100.9	102.5	103.7	103.8	103.9	103.2	102.4	101.7
77.5°	91.7	91.4	92.7	96.5	97.8	99.0	99.2	99.4	99.2	98.4	97.7
78°	86.1	86.7	87.3	91.6	93.2	94.6	95.7	95.7	95.1	94.5	93.8
78.5°	80.6	81.1	82.5	86.9	88.6	90.3	91.2	91.7	91.4	90.8	90.0
79°	76.1	75.9	77.7	81.9	84.1	86.1	87.0	87.6	87.5	87.1	86.3
79.5°	70.9	70.8	72.5	77.4	79.6	81.7	83.0	83.7	83.7	83.2	82.5
80°	65.9	66.3	68.1	72.9	75.2	77.7	79.0	80.1	80.2	79.7	79.0
80.5°	61.2	61.6	63.6	68.3	71.1	73.5	75.1	76.4	76.6	76.2	75.4
81°	56.4	56.8	59.1	63.9	66.9	69.6	72.2	72.7	73.3	72.8	72.1
81.5°	52.2	52.7	55.0	59.8	62.7	65.7	68.2	69.3	69.7	69.5	68.9
82°	48.0	48.6	51.0	55.4	58.8	62.1	64.5	65.9	66.4	66.3	65.5
82.5°	43.8	44.4	47.1	51.7	54.7	58.4	60.9	62.8	63.3	63.1	62.1
83°	39.6	40.3	43.2	48.0	51.3	54.5	57.5	59.3	60.0	60.0	59.3
83.5°	35.4	36.2	39.2	44.3	48.0	51.5	54.5	56.3	57.1	57.0	56.4
84°	31.6	32.6	35.3	40.6	44.7	48.5	51.6	53.5	54.4	54.9	53.8
84.5°	27.8	28.6	31.6	36.9	41.4	45.5	48.8	50.8	51.8	52.2	51.2
85°	24.2	25.1	28.1	33.5	38.1	42.5	46.0	48.1	49.1	49.5	48.6
85.5°	20.8	21.7	24.9	30.3	35.1	39.6	43.1	45.4	46.4	46.8	46.0
86°	17.7	18.5	21.7	27.2	32.3	36.8	40.3	42.7	43.8	44.1	43.4
86.5°	14.7	15.5	18.8	24.4	29.4	34.1	37.7	40.2	41.3	41.6	40.9
87°	11.8	12.7	16.2	21.7	26.9	31.6	35.2	37.7	38.9	39.2	38.5
87.5°	9.2	10.1	13.7	19.2	24.4	29.2	32.8	35.3	36.7	36.9	36.2
88°	6.7	7.8	11.5	17.0	22.1	26.8	30.5	33.1	34.3	34.8	34.1
88.5°	5.4	5.8	9.5	14.9	19.9	24.6	28.3	30.9	32.3	32.7	32.0



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.5	2.3	5.4	9.6	14.4	18.8	22.3	25.0	26.4	26.8	26.2
90.5°	0.2	1.2	4.6	8.3	12.7	17.1	20.6	23.2	24.6	25.0	24.4
91°	0.2	0.8	3.7	7.1	11.3	15.5	18.9	21.5	22.9	23.3	22.8
91.5°	0.1	0.6	2.8	6.0	10.0	14.0	17.3	19.8	21.3	21.7	21.1
92°	0.1	0.4	1.9	5.2	8.8	12.6	15.9	18.3	19.7	20.2	19.7
92.5°	0.1	0.3	1.5	4.4	7.7	11.3	14.4	16.8	18.2	18.7	18.2
93°	0.1	0.3	1.2	3.7	6.7	10.1	13.1	15.5	16.9	17.3	16.7
93.5°	0.1	0.3	1.0	3.0	5.9	9.1	12.0	14.2	15.5	16.0	15.5
94°	0.1	0.2	0.8	2.5	5.2	8.1	10.9	13.0	14.4	14.8	14.3
94.5°	0.1	0.2	0.7	2.1	4.6	7.2	9.9	11.9	13.2	13.6	13.2
95°	0.1	0.2	0.6	1.8	4.0	6.4	8.9	11.0	12.1	12.5	12.1
95.5°	0.1	0.2	0.6	1.6	3.4	5.7	8.0	10.0	11.1	11.5	11.1
96°	0.2	0.2	0.5	1.4	3.0	5.2	7.2	9.0	10.2	10.6	10.1
96.5°	0.2	0.2	0.5	1.3	2.6	4.7	6.5	8.3	9.3	9.7	9.4
97°	0.2	0.2	0.4	1.2	2.4	4.2	5.9	7.5	8.6	8.9	8.6
97.5°	0.2	0.3	0.4	1.1	2.2	3.6	5.4	6.8	7.8	8.2	7.9
98°	0.2	0.3	0.4	1.0	2.0	3.3	5.0	6.3	7.2	7.5	7.2
98.5°	0.3	0.3	0.4	0.9	1.8	3.0	4.5	5.7	6.6	6.9	6.6
99°	0.3	0.4	0.4	0.8	1.7	2.8	4.1	5.3	6.0	6.3	6.0
99.5°	0.4	0.4	0.4	0.8	1.6	2.6	3.7	5.0	5.6	5.8	5.6
100°	0.4	0.5	0.5	0.7	1.5	2.5	3.5	4.6	5.2	5.4	5.2
100.5°	0.4	0.5	0.5	0.7	1.4	2.3	3.3	4.2	4.8	5.0	4.8
101°	0.5	0.5	0.5	0.7	1.3	2.2	3.1	4.0	4.4	4.7	4.4
101.5°	0.5	0.5	0.5	0.7	1.3	2.1	2.9	3.7	4.2	4.3	4.1
102°	0.5	0.6	0.6	0.7	1.2	2.0	2.8	3.6	3.9	4.0	3.9
102.5°	0.6	0.6	0.6	0.7	1.1	1.8	2.6	3.4	3.7	3.9	3.8
103°	0.6	0.6	0.6	0.7	1.1	1.7	2.5	3.2	3.6	3.7	3.6
103.5°	0.6	0.7	0.6	0.7	1.0	1.6	2.4	3.0	3.4	3.5	3.4
104°	0.7	0.7	0.6	0.7	1.0	1.6	2.2	2.9	3.2	3.4	3.3
104.5°	0.7	0.8	0.6	0.8	0.9	1.5	2.1	2.7	3.1	3.2	3.1
105°	0.7	0.9	0.6	0.8	0.9	1.4	2.0	2.6	3.0	3.1	3.0
105.5°	0.7	1.0	0.6	0.8	0.9	1.3	1.9	2.4	2.8	2.9	2.8
106°	0.8	1.1	0.7	0.9	0.9	1.3	1.8	2.3	2.7	2.8	2.7
106.5°	0.8	1.1	0.7	0.9	0.9	1.2	1.7	2.2	2.5	2.7	2.6
107°	0.8	1.0	0.7	0.9	0.9	1.2	1.7	2.1	2.4	2.5	2.4
107.5°	0.9	1.0	0.8	1.0	0.9	1.2	1.6	2.0	2.3	2.4	2.3
108°	0.9	1.0	0.8	0.9	1.0	1.1	1.5	1.9	2.2	2.3	2.2
108.5°	1.0	1.0	0.9	0.9	1.0	1.1	1.4	1.8	2.1	2.2	2.1
109°	1.1	1.1	0.9	0.9	1.0	1.1	1.4	1.7	2.0	2.1	2.0
109.5°	1.1	1.2	1.0	0.9	1.1	1.1	1.3	1.7	1.9	2.0	1.9
110°	1.2	1.2	1.0	0.9	1.1	1.1	1.3	1.6	1.8	1.9	1.8
110.5°	1.2	1.2	1.0	0.9	1.1	1.1	1.3	1.5	1.7	1.8	1.8
111°	1.2	1.2	1.0	0.9	1.1	1.2	1.2	1.5	1.7	1.7	1.7



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.3	1.2	1.0	1.0	1.2	1.3	1.2	1.3	1.5	1.5	1.5
113°	1.3	1.3	1.0	1.0	1.1	1.3	1.3	1.3	1.4	1.5	1.4
113.5°	1.3	1.2	1.0	1.0	1.0	1.3	1.3	1.3	1.4	1.4	1.4
114°	1.4	1.2	1.0	1.0	1.0	1.3	1.3	1.3	1.4	1.4	1.4
114.5°	1.4	1.2	1.1	1.0	1.1	1.3	1.3	1.3	1.3	1.4	1.4
115°	1.4	1.3	1.2	1.0	1.1	1.4	1.4	1.3	1.3	1.4	1.4
115.5°	1.4	1.4	1.2	1.0	1.1	1.4	1.4	1.4	1.4	1.4	1.4
116°	1.4	1.5	1.3	1.0	1.1	1.4	1.4	1.4	1.4	1.4	1.4
116.5°	1.4	1.5	1.4	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.4
117°	1.4	1.5	1.5	1.1	1.2	1.2	1.4	1.5	1.4	1.4	1.4
117.5°	1.4	1.5	1.6	1.1	1.2	1.2	1.5	1.5	1.5	1.5	1.5
118°	1.3	1.5	1.6	1.1	1.2	1.2	1.5	1.5	1.5	1.5	1.5
118.5°	1.3	1.5	1.7	1.2	1.3	1.2	1.6	1.5	1.6	1.5	1.6
119°	1.3	1.5	1.6	1.2	1.3	1.2	1.5	1.5	1.6	1.6	1.6
119.5°	1.3	1.5	1.6	1.2	1.3	1.2	1.4	1.6	1.6	1.6	1.6
120°	1.3	1.5	1.5	1.3	1.3	1.2	1.3	1.6	1.6	1.6	1.6
120.5°	1.3	1.5	1.5	1.3	1.4	1.3	1.2	1.6	1.6	1.6	1.6
121°	1.4	1.5	1.5	1.4	1.4	1.3	1.2	1.6	1.7	1.6	1.7
121.5°	1.4	1.5	1.5	1.4	1.4	1.3	1.2	1.4	1.7	1.7	1.7
122°	1.4	1.6	1.6	1.4	1.4	1.4	1.3	1.3	1.6	1.7	1.6
122.5°	1.4	1.6	1.6	1.5	1.5	1.4	1.3	1.2	1.5	1.6	1.5
123°	1.4	1.6	1.7	1.5	1.5	1.4	1.3	1.2	1.4	1.5	1.4
123.5°	1.4	1.6	1.7	1.6	1.5	1.4	1.3	1.2	1.3	1.3	1.3
124°	1.4	1.6	1.8	1.6	1.5	1.5	1.3	1.3	1.2	1.3	1.2
124.5°	1.4	1.6	1.8	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.2
125°	1.5	1.6	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2	1.3
125.5°	1.5	1.6	1.8	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.3
126°	1.5	1.6	1.7	1.9	1.6	1.5	1.5	1.3	1.3	1.3	1.3
126.5°	1.5	1.6	1.7	2.0	1.6	1.6	1.5	1.4	1.3	1.3	1.3
127°	1.5	1.6	1.7	2.0	1.7	1.6	1.5	1.4	1.3	1.3	1.3
127.5°	1.5	1.6	1.7	2.1	1.7	1.6	1.5	1.4	1.4	1.3	1.4
128°	1.5	1.6	1.7	2.0	1.7	1.6	1.5	1.5	1.4	1.4	1.4
128.5°	1.5	1.6	1.6	2.0	1.7	1.7	1.6	1.5	1.4	1.4	1.4
129°	1.5	1.7	1.6	2.0	1.7	1.7	1.6	1.5	1.4	1.4	1.4
129.5°	1.5	1.7	1.5	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.5
130°	1.5	1.6	1.5	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.5
130.5°	1.6	1.6	1.5	1.9	1.9	1.7	1.6	1.6	1.5	1.5	1.5
131°	1.6	1.6	1.6	1.9	1.9	1.8	1.7	1.6	1.6	1.5	1.6
131.5°	1.6	1.7	1.6	1.8	2.0	1.8	1.7	1.6	1.6	1.5	1.6
132°	1.6	1.7	1.6	1.9	2.1	1.8	1.7	1.6	1.6	1.6	1.6
132.5°	1.6	1.7	1.6	1.9	2.2	1.8	1.7	1.7	1.6	1.6	1.6
133°	1.6	1.7	1.6	1.9	2.3	1.9	1.7	1.7	1.6	1.6	1.6
133.5°	1.6	1.7	1.6	2.0	2.5	1.9	1.8	1.7	1.7	1.6	1.7



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	1.6	1.7	1.7	1.9	2.6	2.0	1.8	1.8	1.7	1.7	1.7
135.5°	1.7	1.7	1.7	1.9	2.5	2.0	1.9	1.8	1.7	1.7	1.7
136°	1.7	1.7	1.8	1.9	2.5	2.1	1.9	1.8	1.8	1.7	1.8
136.5°	1.7	1.7	1.8	2.0	2.4	2.2	1.9	1.8	1.8	1.7	1.8
137°	1.7	1.7	1.8	1.9	2.3	2.3	1.9	1.9	1.8	1.8	1.8
137.5°	1.7	1.7	1.8	1.9	2.3	2.4	2.0	1.9	1.8	1.8	1.8
138°	1.7	1.7	1.8	1.9	2.3	2.6	2.0	1.9	1.9	1.8	1.9
138.5°	1.7	1.8	1.9	1.8	2.2	2.7	2.0	1.9	1.9	1.8	1.9
139°	1.7	1.8	1.9	1.8	2.3	2.8	2.1	2.0	1.9	1.9	1.9
139.5°	1.7	1.8	1.9	1.7	2.3	2.8	2.1	2.0	1.9	1.9	1.9
140°	1.7	1.7	1.9	1.7	2.3	2.8	2.2	2.0	1.9	1.9	2.0
140.5°	1.7	1.7	1.9	1.7	2.3	2.7	2.3	2.0	2.0	1.9	2.0
141°	1.8	1.7	2.0	1.7	2.3	2.6	2.5	2.1	2.0	2.0	2.0
141.5°	1.8	1.7	2.0	1.7	2.3	2.5	2.6	2.1	2.0	2.0	2.0
142°	1.8	1.7	2.0	1.7	2.3	2.5	2.8	2.2	2.1	2.0	2.1
142.5°	1.8	1.7	2.0	1.7	2.3	2.4	2.9	2.3	2.1	2.0	2.1
143°	1.8	1.8	2.0	1.8	2.2	2.3	2.9	2.4	2.2	2.1	2.2
143.5°	1.8	1.8	2.0	1.8	2.2	2.3	2.8	2.6	2.2	2.1	2.2
144°	1.8	1.8	2.0	1.8	2.1	2.3	2.7	2.7	2.4	2.2	2.3
144.5°	1.8	1.8	2.0	1.8	2.0	2.4	2.6	2.9	2.5	2.3	2.5
145°	1.8	1.8	2.1	1.9	2.0	2.4	2.5	2.9	2.7	2.5	2.6
145.5°	1.8	1.8	2.1	1.9	1.9	2.4	2.5	2.9	2.8	2.7	2.8
146°	1.8	1.8	2.1	1.9	1.9	2.4	2.4	2.8	2.9	2.8	2.9
146.5°	1.8	1.8	2.1	1.9	1.8	2.4	2.4	2.7	2.9	2.9	3.0
147°	1.8	1.7	2.1	1.9	1.8	2.3	2.4	2.6	2.9	2.9	2.9
147.5°	1.8	1.7	2.1	2.0	1.8	2.3	2.4	2.5	2.8	2.8	2.8
148°	1.8	1.7	2.1	2.0	1.7	2.2	2.4	2.4	2.7	2.7	2.7
148.5°	1.8	1.7	2.1	2.0	1.7	2.2	2.4	2.4	2.6	2.6	2.6
149°	1.7	1.7	2.1	2.0	1.7	2.1	2.4	2.4	2.5	2.5	2.5
149.5°	1.7	1.7	2.1	2.0	1.7	2.0	2.4	2.4	2.4	2.4	2.4
150°	1.7	1.7	2.0	2.0	1.8	1.9	2.4	2.4	2.4	2.4	2.4
150.5°	1.7	1.7	2.0	2.0	1.8	1.9	2.3	2.4	2.4	2.3	2.4
151°	1.8	1.7	2.0	2.0	1.8	1.8	2.2	2.4	2.4	2.3	2.4
151.5°	1.8	1.7	2.0	2.1	1.8	1.8	2.2	2.4	2.4	2.4	2.4
152°	1.8	1.7	2.0	2.1	1.8	1.7	2.1	2.4	2.4	2.4	2.4
152.5°	1.7	1.7	2.0	2.1	1.8	1.7	2.0	2.3	2.4	2.4	2.4
153°	1.7	1.7	2.0	2.1	1.9	1.7	1.9	2.3	2.4	2.4	2.4
153.5°	1.7	1.7	2.0	2.1	1.9	1.7	1.8	2.2	2.3	2.4	2.3
154°	1.7	1.7	2.0	2.1	1.9	1.7	1.8	2.1	2.3	2.3	2.3
154.5°	1.7	1.6	2.0	2.1	1.9	1.7	1.7	2.0	2.2	2.2	2.2
155°	1.8	1.6	2.0	2.1	1.9	1.8	1.7	1.9	2.1	2.2	2.1
155.5°	1.8	1.6	2.0	2.1	2.0	1.8	1.7	1.8	2.0	2.1	2.0
156°	1.8	1.6	2.0	2.1	2.0	1.8	1.7	1.8	1.9	2.0	1.9



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.8	1.6	2.0	2.1	2.0	1.9	1.7	1.7	1.7	1.7	1.7
158°	1.7	1.6	2.0	2.1	2.0	1.9	1.8	1.7	1.7	1.7	1.7
158.5°	1.7	1.6	1.9	2.1	2.0	1.9	1.8	1.7	1.7	1.7	1.6
159°	1.8	1.6	1.9	2.1	2.1	1.9	1.8	1.7	1.7	1.6	1.6
159.5°	1.8	1.6	1.9	2.1	2.1	2.0	1.8	1.7	1.7	1.6	1.7
160°	1.8	1.6	1.9	2.1	2.1	2.0	1.9	1.8	1.7	1.7	1.7
160.5°	1.8	1.6	1.9	2.1	2.1	2.0	1.9	1.8	1.7	1.7	1.7
161°	1.8	1.6	1.9	2.0	2.1	2.0	1.9	1.8	1.7	1.7	1.7
161.5°	1.8	1.6	1.9	2.0	2.1	2.0	1.9	1.9	1.8	1.7	1.8
162°	1.7	1.6	1.9	2.0	2.1	2.0	2.0	1.9	1.8	1.8	1.8
162.5°	1.6	1.6	1.9	2.0	2.1	2.0	2.0	1.9	1.8	1.8	1.8
163°	1.6	1.6	1.9	2.0	2.1	2.0	2.0	1.9	1.9	1.8	1.8
163.5°	1.6	1.6	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
164°	1.5	1.5	1.9	2.0	2.0	2.1	2.0	2.0	1.9	1.9	1.9
164.5°	1.5	1.5	1.8	2.0	2.0	2.1	2.0	2.0	1.9	1.9	1.9
165°	1.5	1.5	1.8	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0
165.5°	1.5	1.5	1.8	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0
166°	1.5	1.5	1.8	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0
166.5°	1.5	1.5	1.6	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0
167°	1.4	1.4	1.6	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0
167.5°	1.2	1.2	1.6	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1
168°	1.2	1.2	1.6	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1
168.5°	1.2	1.2	1.4	1.8	2.0	2.0	2.0	2.1	2.1	2.1	2.1
169°	1.2	1.2	1.3	1.7	1.8	2.0	2.0	2.1	2.1	2.1	2.1
169.5°	1.2	1.2	1.2	1.6	1.8	2.0	2.0	2.0	2.0	2.0	2.0
170°	1.2	1.2	1.2	1.4	1.7	2.0	2.0	2.0	2.0	2.0	2.0
170.5°	1.2	1.2	1.2	1.3	1.7	1.9	2.0	2.0	2.0	2.0	2.0
171°	1.2	1.2	1.2	1.3	1.7	1.8	2.0	2.0	2.0	2.0	2.0
171.5°	1.2	1.2	1.2	1.3	1.7	1.7	1.9	2.0	2.0	2.0	2.0
172°	1.2	1.2	1.2	1.3	1.7	1.7	1.9	2.0	2.0	2.0	2.0
172.5°	1.2	1.2	1.2	1.3	1.6	1.7	1.9	1.9	2.0	2.0	2.0
173°	1.2	1.2	1.2	1.3	1.5	1.7	1.9	1.9	1.9	1.9	1.9
173.5°	1.2	1.2	1.2	1.2	1.3	1.7	1.8	1.9	1.9	1.9	1.9
174°	1.2	1.2	1.2	1.3	1.3	1.7	1.7	1.9	1.9	1.9	1.8
174.5°	1.2	1.2	1.2	1.3	1.3	1.6	1.7	1.9	1.9	1.9	1.7
175°	1.2	1.2	1.2	1.2	1.3	1.3	1.7	1.8	1.9	1.9	1.7
175.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.7	1.7	1.9	1.8	1.7
176°	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.7	1.9	1.7	1.6
176.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.6	1.7	1.7	1.4
177°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.6	1.6	1.6	1.3
177.5°	1.2	1.3	1.2	1.2	1.2	1.3	1.3	1.5	1.5	1.5	1.3
178°	1.3	1.3	1.2	1.3	1.2	1.3	1.3	1.4	1.4	1.3	1.3
178.5°	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.3	1.3	1.1	1.2



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0
0.5°	818.1	821.7	823.4	820.7	821.6	819.6	821.5	821.4	823.5	804.3	829.9
1°	819.9	820.1	822.1	819.7	820.6	820.0	820.5	821.2	819.8	813.1	828.8
1.5°	819.2	820.5	823.4	820.3	820.0	818.0	821.3	821.2	816.2	814.7	831.6
2°	821.8	821.0	821.3	818.4	819.7	818.0	820.6	819.3	818.3	812.7	826.6
2.5°	819.2	819.4	818.0	818.1	819.0	818.2	819.2	817.9	818.7	813.1	826.6
3°	817.7	819.2	819.6	816.8	818.3	817.9	815.0	818.5	819.3	817.2	826.5
3.5°	816.4	807.6	817.3	817.0	816.8	816.1	817.1	817.2	815.8	810.2	825.4
4°	815.4	813.6	817.2	815.9	816.8	814.6	817.1	815.2	816.9	808.6	824.6
4.5°	815.9	817.9	816.6	814.7	815.8	816.5	815.2	814.7	815.4	805.9	828.7
5°	814.2	826.8	816.7	813.6	814.0	811.4	815.7	813.1	813.5	808.9	824.7
5.5°	813.6	814.7	816.0	812.5	812.6	811.1	815.4	813.0	815.1	807.2	821.7
6°	812.7	812.8	811.8	811.4	812.5	811.2	812.0	812.9	812.2	805.5	820.0
6.5°	810.8	811.7	811.9	810.2	810.2	809.4	810.6	809.3	810.5	804.8	819.9
7°	809.4	812.6	811.0	809.5	808.9	808.5	814.2	808.6	809.9	802.2	818.8
7.5°	807.8	808.4	809.1	807.6	807.7	806.5	817.1	807.5	808.0	802.0	816.1
8°	806.2	807.4	806.8	805.6	805.9	803.5	804.8	806.0	805.9	801.1	815.2
8.5°	804.7	805.4	804.7	804.3	803.8	801.6	805.1	802.9	804.3	800.4	812.3
9°	803.2	803.5	803.3	801.9	801.9	799.9	803.1	805.8	802.5	794.3	809.0
9.5°	801.2	802.0	801.7	799.5	800.5	798.2	801.4	798.4	801.1	797.2	812.8
10°	797.8	799.9	799.6	798.7	798.4	797.5	798.2	798.2	806.9	793.7	814.3
10.5°	797.0	798.0	797.4	796.2	796.2	795.5	796.5	796.5	797.2	790.7	804.7
11°	794.4	794.8	794.9	793.8	794.2	792.5	794.4	793.4	792.6	788.4	800.4
11.5°	792.3	793.2	793.2	792.2	791.7	791.6	789.2	791.1	790.5	785.5	800.7
12°	790.3	790.8	791.0	788.9	789.5	788.4	789.1	789.0	788.2	783.2	799.1
12.5°	787.9	787.9	788.2	786.2	786.8	786.6	786.2	790.7	789.1	783.4	799.2
13°	785.0	785.5	785.3	784.8	783.7	784.6	784.8	784.1	784.5	771.7	792.9
13.5°	782.2	782.6	783.1	781.1	782.0	780.8	782.5	781.3	781.5	779.4	791.8
14°	779.3	780.3	779.7	778.0	778.8	777.0	778.2	780.2	779.2	767.8	788.7
14.5°	777.0	776.7	775.7	775.8	776.2	774.7	775.7	777.0	776.5	764.3	786.1
15°	774.4	774.8	775.2	773.2	772.9	771.8	774.5	773.6	773.0	768.8	783.2
15.5°	770.9	771.2	770.9	770.0	769.9	768.2	770.9	769.9	770.6	766.5	783.4
16°	768.4	770.2	767.7	766.8	767.0	767.0	766.4	767.0	768.2	761.1	776.6
16.5°	764.3	763.7	764.8	762.4	763.9	763.9	762.7	763.8	763.5	760.5	773.1
17°	761.5	762.3	761.2	761.2	760.8	759.3	762.8	760.3	761.9	757.3	771.6
17.5°	758.6	759.2	759.7	757.0	757.5	755.3	758.8	761.9	757.4	751.5	766.0
18°	754.6	755.4	755.6	754.3	753.9	752.7	754.7	754.2	755.6	749.5	762.9
18.5°	751.0	751.9	753.7	731.5	750.6	749.3	749.5	748.8	751.4	746.4	760.6
19°	747.5	729.6	748.0	750.8	746.0	745.3	746.6	746.7	747.1	742.1	757.1
19.5°	744.0	745.8	743.5	745.1	742.2	741.8	743.7	742.1	744.1	738.7	752.6
20°	740.6	740.7	739.8	735.0	739.5	737.9	740.1	739.5	740.2	736.3	748.8
20.5°	736.5	736.2	736.7	735.1	735.1	734.1	736.2	734.3	737.8	730.6	746.5
21°	732.1	737.8	732.7	731.2	732.3	730.4	731.2	732.5	729.0	730.1	740.3



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	720.1	719.4	721.4	718.9	719.5	718.3	719.0	719.5	721.1	716.4	730.2
23°	716.6	716.1	715.0	714.4	715.7	714.0	716.7	715.5	716.9	712.1	724.9
23.5°	704.0	713.4	712.2	713.8	710.9	709.4	710.0	712.0	711.6	705.9	721.3
24°	706.3	711.0	708.2	706.4	707.2	705.1	707.1	706.5	710.8	699.5	716.9
24.5°	702.2	702.9	701.4	702.2	702.1	701.0	702.6	702.3	704.1	697.8	712.5
25°	698.0	697.8	698.2	697.7	697.8	696.4	697.4	697.8	699.3	692.6	707.5
25.5°	692.6	693.0	694.3	692.3	693.6	691.9	692.4	692.9	691.6	689.7	703.1
26°	688.4	689.3	690.2	688.3	688.4	687.1	688.4	689.9	689.7	683.9	697.9
26.5°	683.1	683.0	684.4	682.5	683.5	682.0	684.0	683.6	687.2	680.3	693.3
27°	678.9	678.1	677.1	679.7	679.0	677.1	679.1	680.0	677.8	675.3	688.7
27.5°	673.6	674.9	676.4	674.0	673.8	672.2	673.9	674.6	675.3	670.2	684.0
28°	668.4	669.9	669.5	668.9	669.3	668.4	668.5	669.2	672.3	665.4	678.5
28.5°	663.7	663.0	665.6	664.4	664.3	661.7	663.8	663.9	663.0	658.5	673.7
29°	658.6	658.0	658.7	658.8	659.1	660.5	658.5	663.3	658.2	654.6	667.3
29.5°	652.6	654.7	654.5	651.3	653.5	652.7	653.2	653.5	654.2	650.7	673.7
30°	638.7	648.0	648.5	647.8	648.5	647.4	648.5	648.6	649.8	645.7	653.4
30.5°	636.8	641.3	644.0	643.6	643.5	641.6	642.9	642.9	644.7	642.6	652.3
31°	634.1	638.4	637.7	637.4	638.4	636.7	637.5	638.3	639.0	634.7	647.5
31.5°	630.7	633.4	632.4	633.2	632.8	631.0	632.0	633.3	633.1	628.1	642.9
32°	626.2	626.2	626.8	627.8	627.2	625.9	626.6	626.8	628.1	624.0	637.1
32.5°	618.8	620.0	621.6	623.6	621.5	620.7	620.8	621.9	623.1	618.5	632.8
33°	613.1	613.4	615.6	615.3	616.2	615.0	615.9	615.7	617.0	612.1	625.7
33.5°	608.6	609.1	610.3	610.6	610.9	609.6	608.9	610.4	610.2	607.9	619.9
34°	601.8	601.2	606.1	604.6	605.1	603.5	605.1	605.6	605.7	602.3	614.2
34.5°	594.9	596.8	599.1	598.2	599.5	598.5	598.7	600.6	599.9	595.4	608.3
35°	589.3	590.8	592.7	592.3	593.7	592.0	593.1	592.6	594.5	591.1	602.5
35.5°	582.4	585.9	591.2	586.7	587.9	586.6	587.5	588.2	588.4	585.2	597.3
36°	577.0	578.6	582.6	581.8	581.9	581.7	581.8	583.1	580.9	579.9	591.1
36.5°	571.2	568.1	574.6	575.2	575.6	575.4	575.8	575.7	577.5	573.6	584.5
37°	562.2	566.7	568.8	569.8	570.3	569.4	569.8	570.4	568.9	568.0	578.6
37.5°	557.3	560.2	562.6	563.0	564.2	563.4	563.8	566.2	565.2	561.5	573.3
38°	552.8	550.5	556.8	557.5	557.9	556.5	557.8	557.7	564.1	556.8	567.8
38.5°	548.3	550.2	550.9	552.1	552.3	551.0	551.3	552.8	551.8	549.5	560.8
39°	537.3	544.3	545.1	545.4	546.3	545.2	546.3	546.4	551.8	544.6	554.5
39.5°	533.7	536.3	537.8	539.2	540.0	539.5	540.0	541.1	541.5	537.0	551.3
40°	523.9	528.1	531.6	532.9	534.1	532.9	534.0	535.2	535.5	531.7	540.9
40.5°	520.8	524.5	525.8	526.1	528.0	526.7	527.5	527.6	528.1	525.2	536.4
41°	512.8	515.8	518.4	517.2	521.6	520.3	521.4	521.6	523.1	517.1	526.7
41.5°	507.4	508.5	512.0	513.6	515.3	515.3	515.3	515.4	516.3	514.6	521.0
42°	499.8	504.1	507.3	508.3	509.5	508.2	508.9	511.3	510.8	508.3	517.4
42.5°	493.1	497.3	500.4	501.2	502.2	502.6	502.8	501.8	503.7	500.7	511.9
43°	486.4	489.1	492.4	496.2	496.6	495.9	496.2	496.8	493.6	495.4	505.0
43.5°	480.2	485.3	486.3	487.9	490.0	489.1	490.3	491.6	491.3	487.9	500.7



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	459.5	465.3	466.7	468.8	471.2	470.6	471.2	471.2	472.3	470.7	479.3
45.5°	453.4	458.5	461.6	464.8	464.9	463.5	465.0	465.3	467.0	462.9	474.1
46°	446.7	451.7	454.6	455.8	458.5	458.1	458.2	459.0	460.0	456.6	467.7
46.5°	439.3	444.5	448.4	450.2	451.8	451.8	453.0	452.8	453.6	449.7	458.3
47°	433.2	439.4	441.5	443.3	445.6	445.6	445.9	445.6	446.6	444.8	452.3
47.5°	427.3	431.3	435.4	442.2	439.1	439.0	439.7	440.1	440.7	438.9	447.8
48°	420.2	424.4	429.4	431.4	433.0	432.7	432.6	433.6	435.0	434.6	439.8
48.5°	413.5	418.6	422.8	424.0	426.5	426.4	428.0	427.6	428.5	424.4	433.6
49°	407.5	411.2	414.6	416.7	420.1	419.8	420.5	421.1	421.2	420.0	428.9
49.5°	400.7	404.5	410.1	414.6	413.7	414.1	414.3	414.6	415.4	414.2	421.6
50°	394.0	398.4	403.8	405.8	407.7	407.5	407.7	408.2	409.0	406.7	416.5
50.5°	387.4	391.9	397.0	397.9	401.1	401.5	401.4	402.2	402.2	402.3	407.7
51°	381.2	385.6	389.8	392.8	394.5	394.8	396.1	396.2	396.1	392.4	401.6
51.5°	373.9	378.8	383.8	385.8	388.3	388.0	390.7	389.3	389.8	387.3	395.2
52°	368.0	372.5	378.0	379.7	382.0	381.8	383.0	383.3	383.8	382.6	389.1
52.5°	362.0	366.0	372.0	375.3	375.8	376.3	376.2	376.7	377.0	374.4	382.2
53°	355.6	360.0	365.7	368.1	369.3	370.5	369.7	370.0	370.6	370.0	377.1
53.5°	349.4	353.5	359.0	360.7	362.8	364.0	363.4	363.9	363.9	362.6	370.1
54°	342.3	347.0	352.0	354.2	356.8	357.1	358.8	357.8	358.1	356.6	362.7
54.5°	337.1	340.7	345.0	348.8	350.2	350.4	351.3	351.2	351.9	350.1	358.8
55°	330.1	335.0	340.0	342.6	344.2	344.3	344.6	345.0	345.6	344.2	350.0
55.5°	324.2	328.4	332.7	337.3	337.9	338.0	337.4	338.3	340.0	337.5	345.2
56°	317.8	322.3	327.2	330.2	331.7	334.0	331.5	332.4	333.0	331.3	337.5
56.5°	312.0	316.3	320.8	323.7	325.4	325.8	326.8	326.0	327.0	325.8	331.3
57°	306.1	310.0	315.8	317.1	319.1	319.2	319.6	319.7	319.4	319.1	326.6
57.5°	299.7	303.8	307.9	310.9	313.0	312.2	312.6	313.3	314.2	314.5	319.9
58°	293.9	298.0	302.4	305.4	306.6	307.2	306.8	307.4	308.1	306.7	310.2
58.5°	287.7	291.5	296.4	299.5	300.5	301.8	300.8	302.0	301.4	300.5	306.4
59°	281.9	285.7	289.6	292.4	294.6	295.2	294.9	294.7	294.8	294.3	300.5
59.5°	276.3	277.3	285.0	286.0	288.5	288.1	287.9	288.6	288.8	288.0	295.1
60°	270.5	273.7	277.9	280.1	282.7	282.0	281.7	283.4	283.1	282.7	288.8
60.5°	264.6	268.1	273.4	273.9	276.1	277.2	276.3	276.2	276.5	276.5	282.4
61°	258.8	262.4	264.8	268.5	269.5	270.7	270.2	268.9	270.6	270.1	276.4
61.5°	253.2	256.7	261.1	262.2	263.8	263.6	263.7	263.9	264.9	264.6	268.8
62°	247.5	250.7	254.6	256.3	257.7	257.9	257.7	257.7	258.5	258.3	264.2
62.5°	242.1	245.0	248.5	250.1	252.5	252.2	251.6	251.9	253.2	252.2	257.0
63°	236.3	239.5	242.7	244.2	246.0	246.0	245.3	245.4	246.6	246.2	251.7
63.5°	231.0	233.8	237.0	237.7	240.1	239.5	239.5	239.3	240.5	240.3	245.4
64°	225.5	228.2	231.0	233.7	234.4	233.9	233.2	234.1	235.9	234.1	239.8
64.5°	220.1	222.7	225.7	229.0	228.4	228.1	227.3	228.7	228.6	228.6	234.5
65°	214.8	217.4	220.0	222.0	222.3	221.7	221.3	221.7	222.1	222.8	227.1
65.5°	209.6	211.8	214.4	216.0	216.4	215.9	216.2	215.7	217.0	216.7	221.5
66°	204.1	206.6	208.8	210.2	211.0	210.2	209.5	209.6	211.2	211.0	215.9



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	188.7	190.7	192.6	193.2	193.5	192.3	191.7	192.2	193.3	192.7	198.9
68°	183.8	185.5	187.1	188.5	187.9	186.9	186.1	186.2	187.6	188.1	193.2
68.5°	178.7	180.3	181.8	182.3	182.3	181.0	180.2	180.7	181.6	182.4	187.6
69°	173.8	175.1	176.6	176.9	176.7	175.3	174.4	174.8	175.8	176.2	182.3
69.5°	168.9	170.1	171.1	171.3	170.9	169.4	168.6	168.6	169.9	170.7	176.0
70°	164.0	165.2	165.9	166.1	165.9	164.1	162.8	163.2	164.1	164.8	170.7
70.5°	159.0	160.0	160.8	160.6	160.0	158.2	157.1	157.6	158.7	160.5	165.1
71°	154.2	155.3	155.7	155.6	154.6	152.9	151.9	151.7	153.5	154.3	159.4
71.5°	149.5	150.4	151.0	150.6	149.3	147.7	146.0	146.3	147.7	148.8	155.0
72°	145.0	145.6	145.9	145.4	143.8	141.7	140.6	140.6	142.1	143.4	148.9
72.5°	140.3	141.0	140.6	140.1	138.5	136.3	134.9	135.3	136.2	138.2	142.6
73°	135.8	136.0	136.3	135.1	133.3	131.0	129.4	130.1	130.9	133.0	138.1
73.5°	131.3	131.5	131.1	130.0	128.3	125.4	124.1	124.8	125.6	127.9	133.1
74°	126.7	126.8	126.5	125.0	122.9	119.9	118.5	119.5	120.4	122.7	128.1
74.5°	122.4	122.3	121.9	120.1	117.9	115.0	113.1	114.2	115.1	117.6	123.1
75°	118.2	117.9	117.0	115.3	112.8	109.7	107.8	108.9	110.2	112.4	118.0
75.5°	113.9	113.5	112.8	110.5	108.0	105.0	102.6	103.3	104.9	107.3	113.0
76°	109.5	109.1	109.0	105.9	102.9	99.5	97.5	97.9	99.6	102.6	108.0
76.5°	105.4	104.7	103.8	101.2	98.1	94.7	92.2	92.9	94.5	97.0	103.1
77°	101.2	100.5	99.2	96.7	93.4	89.8	87.2	87.8	89.8	92.1	98.2
77.5°	97.2	96.3	94.7	92.0	88.6	84.4	82.3	82.7	84.3	87.2	93.5
78°	93.2	92.2	90.6	87.4	84.1	80.1	77.4	77.6	79.6	82.4	89.0
78.5°	89.3	88.2	86.2	83.2	79.6	75.5	72.7	72.8	74.5	77.7	84.1
79°	85.5	84.2	82.0	79.0	75.0	70.9	67.9	68.0	69.8	73.1	79.9
79.5°	81.6	80.3	77.9	74.7	70.7	66.3	63.2	63.2	65.0	68.5	75.0
80°	78.1	76.5	73.9	70.5	66.3	61.9	58.6	58.4	60.5	64.0	69.9
80.5°	74.5	72.8	70.3	66.5	62.3	57.7	54.0	54.1	56.1	59.7	66.6
81°	71.0	69.1	66.4	62.6	58.2	54.3	50.1	49.8	51.8	55.6	62.1
81.5°	67.6	65.7	62.6	58.8	53.9	50.3	46.2	45.4	47.4	51.5	58.4
82°	64.3	62.3	59.4	55.0	50.4	46.3	42.3	41.2	43.4	47.4	53.9
82.5°	61.0	59.0	55.9	51.7	46.9	42.4	38.4	37.2	39.4	43.6	50.0
83°	57.9	55.8	52.9	48.5	43.5	38.4	34.6	33.4	35.5	39.6	46.2
83.5°	54.7	53.0	49.9	45.3	40.0	34.9	31.0	29.7	31.8	36.1	42.7
84°	52.1	50.2	46.9	42.0	36.7	31.4	27.5	26.2	28.4	32.7	39.3
84.5°	49.6	47.4	43.9	38.8	33.5	28.1	24.2	22.9	25.0	29.5	36.0
85°	47.0	44.6	40.9	35.9	30.4	24.9	21.0	19.7	21.8	26.2	32.7
85.5°	44.4	41.8	38.1	33.1	27.5	21.9	17.9	17.0	18.8	23.4	29.6
86°	41.8	39.2	35.5	30.3	24.8	19.1	15.0	14.3	16.3	20.3	26.8
86.5°	39.4	36.6	32.8	27.8	22.2	16.6	12.4	11.6	13.8	17.7	23.9
87°	36.9	34.3	30.3	25.4	19.8	14.2	10.0	8.9	11.4	15.6	21.3
87.5°	34.7	32.0	28.1	23.1	17.6	12.1	7.8	6.2	8.9	13.5	18.8
88°	32.4	29.8	25.9	21.0	15.5	10.1	5.8	4.3	6.4	11.3	16.8
88.5°	30.3	27.6	23.7	19.0	13.7	8.4	4.7	2.7	4.7	9.2	14.8



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	24.5	22.0	18.3	13.8	9.0	4.8	1.4	0.2	1.4	4.4	8.8
90.5°	22.9	20.3	16.7	12.3	7.8	4.0	1.0	0.2	1.0	3.4	7.3
91°	21.2	18.6	15.1	11.0	6.6	3.1	0.7	0.2	0.7	2.6	6.1
91.5°	19.6	17.1	13.7	9.7	5.6	2.3	0.5	0.2	0.5	2.0	5.0
92°	18.1	15.7	12.4	8.6	5.0	1.8	0.4	0.2	0.5	1.6	4.1
92.5°	16.7	14.3	11.2	7.5	4.3	1.5	0.3	0.1	0.4	1.4	3.5
93°	15.4	13.1	10.0	6.6	3.6	1.2	0.3	0.1	0.4	1.3	3.0
93.5°	14.1	11.9	9.0	5.8	2.9	1.0	0.2	0.1	0.4	1.2	2.6
94°	13.0	10.9	8.1	5.2	2.5	0.9	0.2	0.1	0.4	1.1	2.4
94.5°	11.9	9.9	7.2	4.6	2.2	0.8	0.2	0.2	0.4	1.1	2.2
95°	10.9	8.9	6.5	4.1	1.9	0.7	0.2	0.2	0.4	1.1	2.1
95.5°	10.0	8.1	5.8	3.5	1.7	0.6	0.2	0.2	0.3	1.0	2.0
96°	9.1	7.4	5.3	3.1	1.6	0.5	0.2	0.2	0.3	1.0	1.9
96.5°	8.3	6.7	4.8	2.8	1.4	0.5	0.2	0.2	0.3	1.0	1.9
97°	7.6	6.0	4.3	2.5	1.3	0.5	0.2	0.3	0.3	1.0	1.8
97.5°	6.9	5.6	3.8	2.3	1.2	0.4	0.3	0.3	0.3	1.0	1.8
98°	6.3	5.1	3.5	2.2	1.1	0.4	0.3	0.3	0.3	1.0	1.8
98.5°	5.8	4.7	3.2	2.0	1.0	0.4	0.3	0.4	0.3	1.0	1.8
99°	5.4	4.2	3.0	1.9	0.9	0.4	0.3	0.4	0.3	0.9	1.7
99.5°	5.0	3.9	2.8	1.7	0.8	0.5	0.4	0.4	0.3	0.9	1.7
100°	4.6	3.6	2.7	1.6	0.8	0.5	0.4	0.4	0.4	0.9	1.7
100.5°	4.2	3.4	2.5	1.5	0.8	0.5	0.4	0.5	0.4	0.9	1.7
101°	3.9	3.3	2.4	1.4	0.8	0.5	0.5	0.5	0.4	0.9	1.7
101.5°	3.7	3.1	2.3	1.3	0.8	0.6	0.5	0.5	0.5	0.9	1.7
102°	3.6	3.0	2.1	1.3	0.7	0.6	0.6	0.6	0.5	0.9	1.7
102.5°	3.4	2.8	2.0	1.2	0.7	0.6	0.6	0.6	0.6	0.9	1.7
103°	3.3	2.7	1.9	1.1	0.7	0.6	0.7	0.7	0.6	0.9	1.7
103.5°	3.1	2.5	1.8	1.1	0.8	0.7	0.7	0.8	0.7	0.9	1.7
104°	3.0	2.4	1.7	1.1	0.8	0.7	0.7	0.8	0.7	0.9	1.7
104.5°	2.8	2.3	1.6	1.0	0.8	0.7	0.8	0.9	0.7	0.9	1.7
105°	2.7	2.2	1.6	1.0	0.8	0.8	0.8	0.9	0.8	0.9	1.7
105.5°	2.5	2.0	1.5	1.0	0.9	0.8	0.9	1.0	0.8	0.9	1.7
106°	2.4	2.0	1.4	1.0	0.9	0.8	1.0	1.0	0.9	0.9	1.7
106.5°	2.3	1.9	1.4	1.0	0.9	0.8	1.1	1.1	1.1	0.9	1.7
107°	2.2	1.8	1.3	1.0	1.0	0.9	1.3	1.1	1.3	0.9	1.6
107.5°	2.1	1.7	1.3	1.0	1.0	0.9	1.3	1.2	1.3	0.9	1.6
108°	2.0	1.6	1.2	1.0	1.0	0.9	1.3	1.2	1.2	0.9	1.6
108.5°	1.9	1.5	1.2	1.0	1.0	0.9	1.3	1.2	1.2	1.0	1.6
109°	1.8	1.5	1.2	1.1	1.0	1.0	1.3	1.2	1.2	1.0	1.5
109.5°	1.7	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.5
110°	1.7	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
110.5°	1.6	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.1	1.4
111°	1.5	1.3	1.2	1.1	1.1	1.1	1.4	1.3	1.3	1.1	1.4



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.4	1.3	1.3	1.2	1.1	1.2	1.4	1.4	1.3	1.2	1.3
113°	1.4	1.3	1.3	1.1	1.2	1.2	1.4	1.4	1.3	1.2	1.3
113.5°	1.3	1.3	1.3	1.0	1.2	1.3	1.4	1.4	1.3	1.3	1.3
114°	1.3	1.4	1.3	1.0	1.2	1.3	1.5	1.5	1.3	1.3	1.2
114.5°	1.4	1.4	1.4	1.0	1.2	1.3	1.5	1.5	1.3	1.3	1.1
115°	1.4	1.4	1.4	1.0	1.2	1.3	1.5	1.5	1.3	1.3	1.1
115.5°	1.4	1.4	1.4	1.1	1.2	1.3	1.5	1.5	1.3	1.4	1.1
116°	1.4	1.5	1.4	1.1	1.2	1.4	1.5	1.5	1.3	1.4	1.1
116.5°	1.5	1.5	1.3	1.1	1.3	1.4	1.5	1.5	1.3	1.4	1.1
117°	1.5	1.5	1.2	1.2	1.3	1.5	1.5	1.4	1.3	1.4	1.1
117.5°	1.5	1.5	1.2	1.2	1.3	1.6	1.5	1.4	1.3	1.4	1.2
118°	1.6	1.5	1.2	1.2	1.3	1.7	1.5	1.4	1.3	1.5	1.2
118.5°	1.5	1.6	1.2	1.3	1.4	1.8	1.5	1.4	1.3	1.7	1.2
119°	1.5	1.5	1.2	1.3	1.4	1.8	1.5	1.3	1.3	1.8	1.2
119.5°	1.6	1.4	1.2	1.3	1.4	1.8	1.5	1.4	1.3	1.8	1.3
120°	1.6	1.3	1.2	1.3	1.4	1.7	1.5	1.4	1.3	1.7	1.3
120.5°	1.6	1.2	1.3	1.4	1.5	1.7	1.5	1.4	1.3	1.6	1.3
121°	1.6	1.2	1.3	1.4	1.5	1.6	1.6	1.4	1.4	1.6	1.3
121.5°	1.4	1.2	1.3	1.4	1.5	1.6	1.6	1.4	1.4	1.7	1.4
122°	1.3	1.2	1.3	1.4	1.6	1.6	1.6	1.4	1.4	1.7	1.4
122.5°	1.2	1.3	1.4	1.4	1.6	1.6	1.6	1.4	1.4	1.7	1.4
123°	1.2	1.3	1.4	1.5	1.6	1.6	1.6	1.4	1.4	1.6	1.4
123.5°	1.2	1.3	1.4	1.5	1.6	1.7	1.7	1.4	1.4	1.7	1.5
124°	1.3	1.3	1.4	1.5	1.7	1.7	1.7	1.5	1.4	1.7	1.5
124.5°	1.3	1.4	1.5	1.6	1.7	1.7	1.7	1.5	1.4	1.7	1.5
125°	1.3	1.4	1.5	1.6	1.8	1.7	1.7	1.5	1.5	1.7	1.5
125.5°	1.3	1.4	1.5	1.6	1.8	1.7	1.7	1.5	1.5	1.7	1.6
126°	1.3	1.4	1.5	1.6	1.9	1.7	1.7	1.5	1.5	1.7	1.6
126.5°	1.4	1.5	1.6	1.7	2.0	1.7	1.7	1.5	1.5	1.7	1.7
127°	1.4	1.5	1.6	1.7	2.1	1.7	1.7	1.5	1.5	1.7	1.7
127.5°	1.4	1.5	1.6	1.7	2.1	1.7	1.8	1.5	1.5	1.7	1.8
128°	1.5	1.5	1.6	1.7	2.2	1.7	1.8	1.5	1.5	1.7	2.0
128.5°	1.5	1.6	1.7	1.8	2.2	1.7	1.8	1.5	1.5	1.7	2.1
129°	1.5	1.6	1.7	1.8	2.1	1.7	1.8	1.5	1.5	1.7	2.2
129.5°	1.5	1.6	1.7	1.8	2.1	1.7	1.8	1.6	1.5	1.7	2.1
130°	1.6	1.6	1.7	1.8	2.1	1.7	1.8	1.6	1.5	1.7	2.0
130.5°	1.6	1.6	1.7	1.9	2.0	1.6	1.8	1.6	1.6	1.6	1.9
131°	1.6	1.7	1.8	1.9	2.0	1.6	1.8	1.6	1.6	1.6	1.9
131.5°	1.6	1.7	1.8	2.0	2.0	1.6	1.8	1.6	1.6	1.6	2.0
132°	1.6	1.7	1.8	2.1	2.0	1.6	1.8	1.6	1.6	1.6	2.0
132.5°	1.7	1.7	1.8	2.2	2.0	1.6	1.8	1.6	1.6	1.6	2.0
133°	1.7	1.8	1.9	2.3	2.0	1.7	1.8	1.6	1.6	1.6	1.9
133.5°	1.7	1.8	1.9	2.4	2.0	1.7	1.8	1.6	1.6	1.6	1.9



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	1.8	1.8	2.0	2.7	2.0	1.7	1.8	1.6	1.6	1.7	2.0
135.5°	1.8	1.9	2.0	2.6	2.0	1.7	1.8	1.6	1.6	1.7	2.0
136°	1.8	1.9	2.0	2.6	2.0	1.8	1.9	1.6	1.6	1.7	2.0
136.5°	1.8	1.9	2.1	2.5	2.0	1.8	1.9	1.7	1.7	1.7	2.1
137°	1.9	1.9	2.2	2.4	2.1	1.8	1.9	1.7	1.7	1.7	2.1
137.5°	1.9	2.0	2.3	2.3	2.1	1.8	1.9	1.7	1.7	1.8	2.0
138°	1.9	2.0	2.5	2.3	2.0	1.9	1.9	1.7	1.7	1.8	2.0
138.5°	1.9	2.0	2.6	2.3	2.0	1.9	1.9	1.7	1.7	1.8	2.0
139°	2.0	2.1	2.7	2.3	1.9	1.9	2.0	1.7	1.7	1.8	2.0
139.5°	2.0	2.1	2.8	2.3	1.9	1.9	2.0	1.7	1.7	1.9	2.0
140°	2.0	2.2	2.8	2.3	1.9	2.0	2.0	1.7	1.7	1.9	1.9
140.5°	2.0	2.3	2.8	2.3	1.8	2.0	2.0	1.7	1.7	1.9	1.9
141°	2.1	2.4	2.7	2.3	1.8	2.0	2.0	1.7	1.7	1.9	1.9
141.5°	2.1	2.5	2.6	2.4	1.8	2.0	2.0	1.8	1.8	2.0	1.9
142°	2.2	2.6	2.5	2.4	1.8	2.0	2.0	1.8	1.8	2.0	1.9
142.5°	2.3	2.8	2.4	2.4	1.8	2.0	2.0	1.8	1.8	2.0	1.9
143°	2.4	2.8	2.4	2.3	1.8	2.0	1.9	1.8	1.8	2.0	1.9
143.5°	2.5	2.9	2.4	2.3	1.8	2.0	1.9	1.8	1.8	2.0	1.9
144°	2.7	2.8	2.3	2.2	1.8	2.0	1.9	1.8	1.8	2.0	1.9
144.5°	2.8	2.7	2.3	2.2	1.8	2.0	1.9	1.8	1.8	2.0	1.9
145°	2.9	2.6	2.4	2.1	1.8	2.0	1.9	1.8	1.8	2.1	1.9
145.5°	2.9	2.5	2.4	2.1	1.8	2.1	1.9	1.8	1.8	2.1	1.9
146°	2.9	2.4	2.4	2.0	1.8	2.1	1.9	1.8	1.8	2.1	1.9
146.5°	2.8	2.4	2.4	2.0	1.9	2.1	1.9	1.8	1.8	2.1	1.9
147°	2.6	2.4	2.4	1.9	1.9	2.1	1.9	1.8	1.8	2.1	2.0
147.5°	2.5	2.4	2.4	1.8	1.9	2.1	1.9	1.8	1.8	2.1	2.0
148°	2.5	2.4	2.3	1.8	1.9	2.1	1.9	1.8	1.8	2.1	2.0
148.5°	2.4	2.4	2.3	1.8	1.9	2.1	1.9	1.8	1.8	2.1	2.0
149°	2.4	2.4	2.2	1.8	1.9	2.1	1.9	1.8	1.8	2.1	2.0
149.5°	2.4	2.4	2.1	1.7	1.9	2.1	1.9	1.8	1.8	2.1	2.0
150°	2.4	2.4	2.0	1.7	2.0	2.1	1.8	1.8	1.8	2.1	2.0
150.5°	2.4	2.4	2.0	1.7	2.0	2.1	1.8	1.8	1.8	2.1	2.1
151°	2.4	2.3	1.9	1.8	2.0	2.1	1.8	1.8	1.8	2.1	2.1
151.5°	2.4	2.3	1.8	1.8	2.0	2.1	1.9	1.8	1.7	2.1	2.1
152°	2.4	2.2	1.8	1.8	2.0	2.1	1.9	1.8	1.7	2.1	2.1
152.5°	2.4	2.1	1.7	1.8	2.0	2.1	1.9	1.8	1.7	2.1	2.1
153°	2.3	2.0	1.7	1.8	2.0	2.1	1.9	1.8	1.7	2.1	2.2
153.5°	2.2	1.9	1.7	1.8	2.0	2.1	1.8	1.8	1.7	2.1	2.2
154°	2.1	1.9	1.7	1.9	2.0	2.1	1.9	1.8	1.7	2.1	2.2
154.5°	2.1	1.8	1.7	1.9	2.1	2.1	1.9	1.7	1.7	2.1	2.2
155°	2.0	1.7	1.7	1.9	2.1	2.0	1.8	1.7	1.7	2.1	2.2
155.5°	1.9	1.7	1.7	1.9	2.1	2.0	1.8	1.8	1.7	2.1	2.2
156°	1.8	1.7	1.8	1.9	2.1	2.0	1.8	1.8	1.7	2.1	2.2



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0	821.0
0.5°	822.0	820.6	820.8	825.0	822.2	821.2	820.1	820.7	822.3	821.9	820.7
1°	824.3	820.1	820.9	822.0	822.5	822.4	819.7	819.9	821.3	820.0	820.6
1.5°	820.5	820.6	820.1	821.6	821.8	820.3	820.3	821.3	821.3	822.0	820.4
2°	819.4	819.8	820.1	821.6	821.9	824.1	819.7	819.0	821.9	821.9	822.3
2.5°	819.4	819.4	819.3	823.6	821.2	821.1	819.9	820.0	821.5	823.5	820.6
3°	818.6	819.0	819.0	820.3	820.3	820.6	818.2	819.6	821.4	822.2	820.0
3.5°	817.7	818.4	818.3	818.8	819.7	819.1	819.4	818.8	820.2	820.9	818.8
4°	817.1	817.0	818.0	820.1	818.8	819.0	818.4	818.3	819.8	819.2	819.4
4.5°	815.7	816.1	816.8	820.5	819.6	819.3	818.2	817.8	819.2	819.4	818.4
5°	814.4	815.8	816.1	817.4	818.3	816.1	817.0	816.9	818.7	818.9	817.5
5.5°	813.7	814.3	814.6	820.8	816.6	818.5	815.1	816.3	817.5	818.6	817.1
6°	812.5	813.0	813.4	815.9	815.4	814.6	815.8	815.5	817.0	817.4	817.2
6.5°	811.6	811.7	812.5	813.4	814.3	813.1	814.3	814.4	815.5	816.6	815.5
7°	810.0	810.3	811.5	813.0	812.7	813.5	812.6	812.5	815.2	815.9	814.6
7.5°	808.3	809.3	809.7	810.9	811.9	814.1	812.1	811.9	813.4	813.9	813.0
8°	807.2	807.8	808.2	810.6	810.3	810.4	808.6	810.3	812.5	813.1	812.1
8.5°	805.9	805.6	806.7	808.3	809.2	805.9	808.0	808.7	811.0	811.4	810.3
9°	803.4	803.9	804.8	806.1	805.7	807.9	805.4	807.6	809.7	810.0	809.0
9.5°	801.5	802.3	802.8	805.4	804.8	806.9	804.5	805.7	808.0	809.6	807.9
10°	800.2	800.7	800.6	803.7	803.4	803.3	803.5	804.5	806.0	810.6	806.5
10.5°	797.8	797.9	799.4	801.5	801.4	801.3	801.7	802.0	804.5	806.9	804.5
11°	795.5	796.1	797.3	800.7	801.6	799.3	801.0	800.2	802.4	819.4	802.3
11.5°	793.1	794.0	794.8	799.5	797.5	796.9	798.8	798.2	800.7	800.7	799.3
12°	790.6	791.7	792.5	794.4	795.5	794.8	796.1	796.5	798.7	798.9	798.4
12.5°	788.9	789.5	790.9	791.2	792.7	791.7	793.5	794.8	795.9	796.9	796.1
13°	786.1	787.2	788.3	790.3	789.8	793.7	792.3	791.9	793.9	794.7	795.7
13.5°	783.9	784.3	785.1	794.8	789.7	785.4	787.5	790.7	791.5	792.7	791.8
14°	780.4	781.8	782.5	784.7	785.8	783.5	786.4	787.1	788.9	790.0	789.6
14.5°	778.0	779.2	779.5	782.2	783.5	785.1	782.8	783.8	786.8	787.1	787.1
15°	775.7	776.6	777.1	779.4	784.3	785.0	780.6	782.2	784.2	785.3	784.5
15.5°	772.9	773.1	774.1	774.7	776.0	777.9	777.5	779.4	781.5	782.1	782.3
16°	769.1	770.0	771.3	776.3	773.1	776.7	775.0	776.1	778.3	779.9	778.6
16.5°	766.7	767.1	767.9	770.2	770.3	774.1	771.9	773.8	775.3	776.6	775.5
17°	763.6	764.3	765.0	768.0	767.9	769.2	769.1	770.2	771.9	773.8	772.9
17.5°	760.0	760.7	761.4	765.7	764.4	764.0	765.7	766.2	769.4	770.1	770.8
18°	756.4	757.3	758.7	759.1	760.8	762.8	762.9	763.5	765.8	767.4	768.0
18.5°	753.1	754.2	755.0	757.6	759.0	758.8	758.9	760.2	762.6	764.6	764.1
19°	749.4	750.6	751.5	756.0	754.5	753.1	754.9	758.1	758.9	760.5	760.7
19.5°	746.8	746.5	747.9	749.0	750.2	751.5	752.5	749.2	755.7	757.1	758.0
20°	742.1	743.1	744.1	746.6	746.0	747.8	748.0	748.2	752.2	754.0	754.2
20.5°	738.3	739.6	740.1	742.7	743.5	743.4	744.3	746.4	748.4	750.5	750.4
21°	734.0	735.2	736.4	738.9	736.9	738.1	739.9	743.7	743.5	746.4	746.6



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	722.4	723.1	724.1	724.0	726.6	727.4	728.2	729.1	733.8	734.5	735.6
23°	718.4	719.1	720.0	719.3	721.5	723.4	724.1	724.9	728.8	730.7	730.6
23.5°	714.0	714.8	715.4	718.0	717.0	719.4	719.6	721.5	724.7	726.9	727.4
24°	709.5	710.5	711.3	714.0	714.7	714.7	715.9	717.6	720.5	722.7	723.1
24.5°	704.9	705.9	706.5	711.9	708.6	706.2	711.1	713.5	716.3	717.9	719.2
25°	700.4	701.1	701.9	703.7	703.0	706.8	706.5	708.9	711.3	713.9	714.3
25.5°	695.7	696.9	697.3	698.3	700.5	701.0	701.4	703.7	707.2	709.7	710.8
26°	691.5	692.1	692.9	693.6	695.3	695.3	697.5	699.3	701.5	705.0	705.1
26.5°	686.9	687.4	687.5	689.3	689.9	690.9	693.5	693.4	697.9	700.0	701.5
27°	681.8	682.4	683.2	685.3	684.9	685.3	687.0	689.5	687.4	695.6	696.0
27.5°	677.3	677.0	677.7	680.2	680.1	680.5	683.8	684.6	688.4	690.5	692.4
28°	671.6	672.1	672.8	673.4	673.5	675.3	676.3	680.7	683.0	685.7	687.2
28.5°	667.0	667.2	668.1	667.8	669.4	673.1	670.5	673.6	677.9	681.7	681.8
29°	661.6	662.4	663.0	667.2	663.7	665.3	664.8	671.6	673.8	676.6	677.3
29.5°	656.5	656.9	657.5	658.2	659.7	659.6	662.1	664.4	668.0	671.2	671.6
30°	651.5	651.5	651.9	654.2	653.3	654.1	656.0	655.1	662.6	666.1	667.2
30.5°	646.0	646.3	646.6	648.1	647.9	647.5	650.5	653.6	657.5	660.5	662.0
31°	640.4	641.0	641.4	641.8	642.4	642.9	643.3	649.5	652.0	655.6	659.6
31.5°	635.6	635.7	635.6	636.6	635.7	639.1	638.6	640.4	646.2	649.6	651.5
32°	629.9	630.3	630.3	632.1	631.6	631.1	633.0	638.3	641.3	644.9	646.3
32.5°	624.7	624.4	624.5	625.2	624.9	626.1	627.8	630.6	635.5	639.6	641.4
33°	618.8	619.1	618.9	618.5	619.0	617.4	621.5	626.2	629.8	633.8	635.5
33.5°	613.3	613.1	612.6	613.1	613.9	610.0	615.6	618.4	624.1	628.2	629.9
34°	607.5	607.1	606.8	607.7	607.5	613.7	609.0	614.0	618.5	622.0	623.9
34.5°	602.2	602.0	601.4	602.0	600.6	600.5	603.9	608.1	612.6	616.5	618.2
35°	596.2	595.7	595.3	596.1	595.0	591.5	598.4	600.1	606.5	610.7	613.4
35.5°	590.4	589.9	589.1	590.0	589.0	591.0	592.2	595.5	600.9	604.9	607.3
36°	584.4	583.9	583.2	585.0	583.2	585.0	585.2	588.1	594.7	599.2	602.1
36.5°	579.4	578.5	577.4	577.5	576.2	575.5	580.7	583.1	588.7	593.7	595.9
37°	572.6	572.4	571.0	569.9	569.2	570.5	572.1	577.3	582.3	587.5	590.0
37.5°	566.5	565.9	564.5	564.7	564.7	564.2	566.9	570.8	576.0	581.3	584.9
38°	560.4	559.8	558.7	558.9	556.9	556.6	559.9	565.0	570.2	575.0	577.0
38.5°	554.5	553.6	552.5	552.4	551.1	551.2	553.7	558.4	564.0	568.9	571.6
39°	548.5	547.4	546.2	547.6	544.1	543.7	546.8	552.0	557.7	562.9	566.0
39.5°	542.5	541.5	539.7	538.7	538.1	541.0	540.0	545.8	551.3	556.5	559.7
40°	536.0	534.8	533.2	532.3	531.7	532.1	533.4	539.2	544.9	550.6	552.8
40.5°	529.9	529.0	527.0	526.4	524.4	526.0	527.0	532.2	538.2	543.8	547.2
41°	523.7	522.4	520.3	519.3	522.4	519.2	521.0	525.3	532.0	537.9	541.5
41.5°	517.8	516.0	514.2	518.3	512.1	511.6	514.9	518.5	525.9	531.3	535.2
42°	511.3	510.1	507.9	506.4	504.2	505.8	507.8	512.2	519.5	524.9	528.4
42.5°	504.8	503.3	501.3	499.3	497.9	499.8	501.0	505.8	513.0	518.3	522.2
43°	498.5	497.0	494.9	492.4	492.4	491.6	494.7	499.3	506.0	512.1	516.6
43.5°	492.5	490.7	488.3	486.9	485.0	484.6	488.0	491.9	499.3	505.4	509.6



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	473.3	471.3	468.5	468.2	465.9	465.3	468.0	474.3	480.4	486.1	490.2
45.5°	466.8	464.7	462.3	460.5	458.4	458.7	460.8	465.3	473.5	479.9	484.6
46°	460.6	458.4	455.7	453.4	452.2	452.2	453.7	461.9	466.9	473.5	477.3
46.5°	453.9	451.6	449.3	448.3	445.7	445.4	448.0	454.2	460.2	466.9	470.9
47°	447.6	445.4	442.4	440.3	437.0	438.9	441.1	448.3	453.6	460.2	464.3
47.5°	441.4	439.0	436.1	432.9	432.5	432.2	434.5	440.9	447.1	453.6	458.1
48°	434.7	432.7	429.5	427.8	425.6	425.6	428.3	432.6	440.5	447.0	451.7
48.5°	428.4	426.1	423.2	420.3	418.3	418.9	421.6	425.6	433.9	440.7	446.6
49°	421.8	419.9	416.4	414.8	409.6	412.6	414.5	420.5	427.3	433.9	438.3
49.5°	415.6	413.2	410.0	407.8	406.0	405.8	407.9	412.0	420.8	427.7	432.9
50°	409.0	406.7	403.6	401.2	399.0	399.4	401.7	406.8	414.4	420.9	423.9
50.5°	402.7	400.3	397.3	394.8	392.0	392.7	394.9	401.2	407.7	414.2	418.6
51°	396.5	393.7	390.8	388.4	386.3	386.4	388.5	392.5	401.3	407.9	412.4
51.5°	390.4	387.4	384.3	381.6	379.5	379.7	382.4	387.4	394.5	401.1	406.3
52°	383.4	381.2	378.0	375.7	373.2	373.6	375.8	379.4	388.3	395.1	399.9
52.5°	377.2	374.6	371.3	369.0	366.7	367.1	369.4	373.5	381.5	388.3	393.1
53°	370.1	368.3	365.3	363.0	360.4	360.9	363.0	368.6	375.5	381.9	386.4
53.5°	352.7	361.9	359.0	355.6	353.7	354.3	356.6	361.4	368.5	375.4	380.2
54°	358.1	355.8	352.6	348.4	347.7	348.4	350.5	356.1	362.5	369.1	373.9
54.5°	351.4	349.4	346.3	345.0	342.0	342.1	344.4	350.3	356.0	362.5	367.1
55°	345.2	343.3	340.0	337.9	335.0	336.1	338.0	342.2	349.6	356.2	361.1
55.5°	339.8	337.1	333.9	331.5	328.5	329.7	331.9	337.4	343.4	350.0	354.9
56°	332.3	330.9	327.7	324.9	323.1	323.4	325.9	330.8	337.1	343.8	348.1
56.5°	327.0	324.6	321.7	319.0	317.5	317.5	319.8	324.7	331.0	337.3	341.9
57°	320.5	318.5	315.4	314.0	312.6	311.3	313.5	318.7	324.7	331.3	335.4
57.5°	315.7	312.1	309.3	307.0	305.5	305.5	307.9	312.6	318.6	324.9	329.2
58°	308.8	306.2	303.4	301.0	300.4	299.3	301.9	306.3	312.6	318.5	323.0
58.5°	302.6	300.3	297.5	295.2	295.3	293.7	295.9	300.3	306.3	312.5	316.8
59°	296.4	294.2	291.5	288.6	283.6	287.6	290.1	294.6	300.4	306.4	310.6
59.5°	290.3	288.1	285.7	283.5	281.2	281.9	284.6	288.6	294.5	300.2	304.4
60°	284.1	281.9	279.7	277.9	276.0	276.1	278.3	282.5	288.5	294.0	297.8
60.5°	280.0	276.4	274.1	271.7	270.1	270.4	272.9	277.1	282.7	287.9	292.0
61°	271.9	270.4	268.1	265.9	264.7	264.9	267.0	271.2	276.7	282.4	285.6
61.5°	268.1	264.7	262.5	260.9	258.8	259.3	261.2	265.7	270.7	276.1	279.8
62°	260.3	258.6	256.3	254.5	253.3	253.8	255.9	259.6	264.8	270.2	273.7
62.5°	254.3	252.8	250.9	249.4	248.7	248.1	250.2	254.0	259.1	264.1	267.3
63°	248.8	247.0	245.3	243.4	242.1	242.9	244.7	248.2	253.5	258.3	261.3
63.5°	242.7	241.5	239.8	237.8	237.0	237.1	239.2	242.7	247.8	252.6	255.8
64°	237.2	235.9	234.2	232.5	231.6	232.0	233.8	237.2	241.9	246.6	249.6
64.5°	231.0	230.1	228.7	227.0	226.7	226.6	228.6	231.8	236.3	240.9	243.7
65°	225.4	224.5	223.2	222.2	221.3	221.6	223.2	226.6	231.0	235.3	238.0
65.5°	219.9	218.9	217.7	216.9	215.8	216.0	217.6	221.1	225.6	229.4	232.0
66°	214.3	213.4	212.2	211.1	210.3	211.0	212.4	215.9	219.9	223.6	226.3



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	197.6	197.0	196.4	195.8	195.6	195.9	197.2	200.0	203.8	207.1	208.4
68°	192.4	191.8	191.3	191.2	190.3	190.7	192.1	194.9	198.5	201.7	203.4
68.5°	186.3	186.5	186.3	185.6	185.3	185.8	187.1	190.0	193.3	196.1	197.5
69°	181.0	181.1	180.8	180.5	180.3	180.9	182.2	184.8	188.0	190.6	191.6
69.5°	175.4	175.9	175.8	175.6	175.7	176.0	177.5	179.8	183.0	185.5	186.2
70°	170.9	170.8	170.9	170.6	170.5	171.2	172.5	174.9	177.6	180.0	181.0
70.5°	164.5	165.7	166.0	165.7	165.5	166.4	168.1	170.2	172.6	174.8	175.2
71°	159.2	160.6	161.0	161.3	161.3	161.9	163.2	165.0	167.5	169.5	170.3
71.5°	154.6	155.5	156.1	156.2	156.7	157.1	158.6	160.3	162.9	164.4	164.6
72°	149.4	150.4	151.1	151.5	151.8	152.5	153.7	155.6	157.7	159.2	159.6
72.5°	144.1	145.6	146.5	147.2	147.4	147.9	149.1	150.8	152.9	154.2	154.2
73°	138.9	140.7	141.7	142.5	142.5	143.4	144.8	146.1	148.0	149.1	149.2
73.5°	134.3	135.9	137.1	137.9	138.5	138.9	140.0	141.6	143.3	144.2	143.5
74°	129.6	131.5	132.7	133.3	134.4	134.7	135.5	137.0	138.6	139.3	138.7
74.5°	124.9	127.1	128.3	129.1	130.2	130.5	131.3	132.5	133.8	134.4	133.9
75°	120.2	122.7	123.9	124.9	126.0	126.4	127.2	128.4	129.4	129.8	129.0
75.5°	115.5	118.3	119.5	120.7	121.7	122.2	123.0	124.2	125.0	125.2	124.1
76°	106.2	113.9	115.1	116.5	117.5	118.1	118.8	120.0	120.7	120.6	119.3
76.5°	106.3	108.6	110.6	112.0	113.2	114.0	114.7	115.9	116.3	116.0	114.4
77°	100.7	104.3	106.4	108.3	108.9	109.9	110.7	111.4	111.9	111.5	109.5
77.5°	96.6	99.4	102.1	104.3	105.0	105.9	106.7	107.2	107.5	106.8	104.6
78°	92.2	94.7	97.9	99.9	101.1	101.9	102.5	102.8	103.1	102.1	99.9
78.5°	87.6	91.0	93.8	95.9	97.1	97.9	98.6	99.0	99.0	97.8	95.4
79°	83.1	87.7	89.7	91.8	93.1	94.1	94.7	95.0	94.5	93.4	90.7
79.5°	78.8	82.5	85.8	88.1	89.4	90.3	90.9	91.1	90.6	89.0	86.0
80°	74.5	79.0	81.9	84.2	86.3	86.6	87.2	87.2	86.6	84.9	81.9
80.5°	71.0	74.7	78.2	80.6	82.2	83.1	83.4	83.5	82.6	80.8	77.4
81°	66.4	70.6	74.4	77.2	78.6	79.5	79.9	79.7	78.8	76.6	73.4
81.5°	62.5	67.1	70.7	73.4	74.9	76.0	76.3	76.0	75.0	72.7	68.9
82°	58.8	64.4	67.2	69.9	71.8	72.5	72.9	72.4	71.2	68.9	65.0
82.5°	55.2	59.7	63.7	66.7	68.1	69.1	69.3	69.0	67.6	65.2	61.0
83°	51.5	56.3	60.2	63.2	64.8	65.8	66.1	65.5	64.2	61.3	57.2
83.5°	48.0	53.0	57.0	59.8	61.7	62.6	62.8	62.2	60.6	57.7	53.5
84°	45.2	49.6	53.7	56.7	58.8	59.5	59.7	59.0	57.3	54.3	49.9
84.5°	41.5	46.6	50.5	53.6	55.0	56.4	56.4	55.7	53.9	51.0	46.3
85°	38.3	43.3	47.4	50.5	52.3	53.3	53.4	52.6	50.7	47.6	42.9
85.5°	35.3	40.3	44.5	47.5	49.4	50.4	50.5	49.5	47.7	44.4	39.7
86°	32.2	37.4	41.6	44.8	46.5	47.6	47.6	46.6	44.5	41.2	36.6
86.5°	29.5	34.5	38.8	41.8	43.8	44.8	44.7	44.0	41.6	38.3	33.8
87°	26.8	31.9	36.1	39.3	41.2	42.1	42.0	41.0	38.8	35.4	30.7
87.5°	24.3	29.3	33.5	36.6	38.6	39.5	39.4	38.3	36.2	32.7	27.8
88°	21.8	26.8	31.0	34.1	36.0	36.9	36.8	35.7	33.5	29.9	25.2
88.5°	19.5	24.5	28.5	31.6	33.6	34.4	34.4	33.2	30.9	27.4	22.7



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	14.0	18.0	22.0	25.0	26.8	27.6	27.5	26.2	23.9	20.5	16.4
90.5°	12.3	16.3	20.0	22.9	24.8	25.6	25.4	24.2	21.8	18.4	14.7
91°	10.5	14.8	18.1	21.0	22.8	23.5	23.4	22.1	19.8	16.5	13.0
91.5°	8.8	13.3	16.4	19.1	20.9	21.6	21.4	20.2	18.0	15.0	11.3
92°	7.6	11.8	15.0	17.4	19.1	19.8	19.6	18.4	16.2	13.5	9.6
92.5°	6.5	10.3	13.6	15.8	17.4	18.2	17.9	16.7	14.8	12.0	7.9
93°	5.6	8.8	12.2	14.5	15.9	16.6	16.3	15.2	13.5	10.5	6.9
93.5°	4.9	7.7	10.8	13.3	14.7	15.1	14.9	14.0	12.1	9.0	6.0
94°	4.3	6.8	9.4	12.0	13.4	14.0	13.7	12.7	10.7	7.9	5.2
94.5°	3.8	6.0	8.4	10.7	12.2	12.8	12.6	11.5	9.3	7.0	4.5
95°	3.4	5.4	7.5	9.4	10.9	11.6	11.4	10.3	8.4	6.2	4.1
95.5°	3.2	4.8	6.8	8.5	9.7	10.4	10.2	9.1	7.5	5.5	3.7
96°	3.0	4.4	6.1	7.7	8.8	9.3	9.1	8.2	6.8	5.0	3.4
96.5°	2.9	4.1	5.6	7.1	8.1	8.5	8.3	7.5	6.2	4.6	3.2
97°	2.8	3.9	5.2	6.5	7.4	7.7	7.6	6.8	5.7	4.3	3.1
97.5°	2.7	3.8	4.9	6.0	6.8	7.1	7.0	6.3	5.3	4.1	3.0
98°	2.7	3.7	4.7	5.6	6.3	6.6	6.5	5.9	5.0	4.0	2.9
98.5°	2.6	3.6	4.5	5.4	6.0	6.2	6.1	5.6	4.8	3.8	2.8
99°	2.6	3.5	4.4	5.2	5.7	5.9	5.8	5.3	4.6	3.7	2.8
99.5°	2.5	3.4	4.3	5.0	5.5	5.7	5.6	5.2	4.5	3.6	2.7
100°	2.5	3.4	4.2	4.9	5.4	5.5	5.4	5.0	4.4	3.6	2.6
100.5°	2.5	3.3	4.1	4.8	5.3	5.4	5.3	4.9	4.3	3.5	2.6
101°	2.5	3.3	4.0	4.7	5.1	5.3	5.2	4.8	4.2	3.4	2.6
101.5°	2.4	3.2	4.0	4.6	5.0	5.2	5.1	4.7	4.1	3.4	2.5
102°	2.4	3.2	3.9	4.5	4.9	5.1	5.0	4.6	4.0	3.3	2.5
102.5°	2.4	3.1	3.8	4.4	4.8	5.0	4.9	4.5	4.0	3.3	2.5
103°	2.3	3.1	3.8	4.4	4.8	4.9	4.8	4.5	3.9	3.2	2.4
103.5°	2.3	3.1	3.7	4.3	4.7	4.8	4.7	4.4	3.8	3.2	2.4
104°	2.3	3.1	3.7	4.2	4.6	4.7	4.6	4.3	3.8	3.1	2.4
104.5°	2.3	3.0	3.6	4.2	4.5	4.6	4.6	4.2	3.7	3.1	2.3
105°	2.3	3.0	3.6	4.1	4.5	4.6	4.5	4.2	3.7	3.1	2.3
105.5°	2.3	2.9	3.6	4.1	4.4	4.5	4.4	4.1	3.7	3.0	2.3
106°	2.3	2.9	3.5	4.0	4.3	4.4	4.4	4.1	3.6	3.0	2.3
106.5°	2.3	2.9	3.5	4.0	4.3	4.4	4.3	4.0	3.6	2.9	2.3
107°	2.3	2.9	3.4	4.0	4.2	4.3	4.3	4.0	3.6	2.9	2.2
107.5°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	4.0	3.5	2.9	2.2
108°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	3.9	3.4	2.8	2.2
108.5°	2.2	2.8	3.3	3.8	4.1	4.2	4.1	3.9	3.4	2.8	2.2
109°	2.2	2.8	3.3	3.8	4.1	4.2	4.1	3.8	3.3	2.8	2.2
109.5°	2.2	2.8	3.3	3.7	4.0	4.1	4.0	3.7	3.3	2.8	2.1
110°	2.2	2.8	3.2	3.7	4.0	4.1	4.0	3.7	3.3	2.8	2.1
110.5°	2.2	2.7	3.2	3.6	3.9	4.0	3.9	3.6	3.2	2.8	2.1
111°	2.1	2.7	3.2	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.0



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.1	2.7	3.1	3.5	3.7	3.8	3.7	3.5	3.2	2.6	1.9
113°	2.0	2.7	3.1	3.5	3.7	3.8	3.7	3.5	3.1	2.6	1.8
113.5°	1.9	2.7	3.1	3.5	3.7	3.7	3.7	3.5	3.1	2.5	1.8
114°	1.8	2.6	3.1	3.4	3.7	3.7	3.7	3.4	3.1	2.5	1.7
114.5°	1.7	2.6	3.0	3.4	3.6	3.7	3.6	3.4	3.0	2.5	1.6
115°	1.7	2.5	3.0	3.4	3.6	3.7	3.6	3.4	3.0	2.5	1.6
115.5°	1.6	2.5	3.0	3.4	3.6	3.6	3.6	3.3	3.0	2.4	1.5
116°	1.6	2.5	3.0	3.3	3.5	3.6	3.5	3.3	2.9	2.3	1.5
116.5°	1.6	2.4	3.0	3.3	3.5	3.6	3.5	3.3	2.9	2.2	1.5
117°	1.5	2.3	2.9	3.3	3.5	3.6	3.5	3.2	2.9	2.2	1.4
117.5°	1.5	2.2	2.9	3.2	3.4	3.5	3.4	3.2	2.8	2.1	1.4
118°	1.5	2.1	2.8	3.2	3.4	3.5	3.4	3.2	2.7	2.0	1.4
118.5°	1.5	2.0	2.8	3.2	3.4	3.5	3.4	3.1	2.6	1.9	1.3
119°	1.4	1.9	2.7	3.1	3.3	3.4	3.3	3.1	2.6	1.9	1.3
119.5°	1.4	1.9	2.6	3.1	3.3	3.4	3.3	3.0	2.5	1.8	1.3
120°	1.4	1.8	2.5	3.0	3.3	3.4	3.3	2.9	2.4	1.8	1.2
120.5°	1.3	1.8	2.4	2.9	3.2	3.3	3.2	2.9	2.3	1.7	1.2
121°	1.2	1.8	2.3	2.9	3.1	3.2	3.1	2.8	2.2	1.7	1.1
121.5°	1.2	1.7	2.2	2.8	3.0	3.1	3.0	2.7	2.1	1.6	1.0
122°	1.2	1.7	2.1	2.7	3.0	3.0	2.9	2.6	2.1	1.6	1.0
122.5°	1.2	1.7	2.1	2.6	2.9	3.0	2.9	2.5	2.0	1.5	1.0
123°	1.3	1.6	2.0	2.4	2.8	2.9	2.8	2.4	2.0	1.5	1.0
123.5°	1.3	1.6	2.0	2.3	2.7	2.8	2.7	2.3	1.9	1.5	1.1
124°	1.3	1.6	1.9	2.3	2.5	2.7	2.6	2.2	1.9	1.5	1.1
124.5°	1.3	1.5	1.9	2.2	2.4	2.6	2.5	2.2	1.8	1.4	1.1
125°	1.3	1.5	1.8	2.1	2.4	2.5	2.4	2.1	1.8	1.4	1.1
125.5°	1.4	1.3	1.8	2.1	2.3	2.4	2.3	2.1	1.7	1.3	1.2
126°	1.4	1.3	1.8	2.0	2.2	2.3	2.2	2.0	1.7	1.2	1.2
126.5°	1.4	1.3	1.7	2.0	2.2	2.2	2.2	2.0	1.7	1.1	1.2
127°	1.4	1.3	1.7	1.9	2.1	2.2	2.1	1.9	1.6	1.2	1.2
127.5°	1.5	1.3	1.7	1.9	2.1	2.1	2.0	1.9	1.6	1.2	1.3
128°	1.5	1.3	1.6	1.9	2.0	2.1	2.0	1.8	1.6	1.2	1.3
128.5°	1.5	1.3	1.5	1.8	2.0	2.0	1.9	1.8	1.5	1.2	1.3
129°	1.5	1.4	1.4	1.8	1.9	2.0	1.9	1.7	1.3	1.3	1.3
129.5°	1.6	1.4	1.3	1.7	1.9	1.9	1.9	1.7	1.2	1.3	1.4
130°	1.6	1.4	1.3	1.7	1.8	1.9	1.8	1.7	1.2	1.3	1.4
130.5°	1.6	1.4	1.3	1.6	1.8	1.8	1.8	1.6	1.2	1.3	1.4
131°	1.6	1.5	1.3	1.5	1.8	1.8	1.7	1.5	1.3	1.4	1.4
131.5°	1.7	1.5	1.4	1.4	1.7	1.8	1.7	1.3	1.3	1.4	1.5
132°	1.7	1.5	1.4	1.3	1.6	1.7	1.6	1.3	1.3	1.4	1.5
132.5°	1.7	1.5	1.4	1.3	1.5	1.6	1.5	1.3	1.3	1.5	1.5
133°	1.8	1.6	1.4	1.3	1.3	1.5	1.3	1.3	1.4	1.5	1.5
133.5°	1.8	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.5	1.6



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.1	1.7	1.5	1.4	1.3	1.3	1.3	1.4	1.5	1.6	1.7
135.5°	2.3	1.7	1.6	1.5	1.4	1.3	1.4	1.4	1.5	1.6	1.8
136°	2.3	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.7	2.0
136.5°	2.2	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.6	1.7	2.1
137°	2.2	1.8	1.6	1.5	1.5	1.4	1.4	1.5	1.6	1.7	2.0
137.5°	2.1	1.8	1.7	1.6	1.5	1.5	1.5	1.5	1.6	1.7	1.9
138°	2.1	1.9	1.7	1.6	1.5	1.5	1.5	1.6	1.6	1.8	1.8
138.5°	2.1	1.9	1.7	1.6	1.5	1.5	1.5	1.6	1.7	1.8	1.8
139°	2.1	2.0	1.8	1.7	1.6	1.5	1.6	1.6	1.7	1.8	1.8
139.5°	2.1	2.1	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.9	1.8
140°	2.1	2.2	1.8	1.7	1.6	1.6	1.6	1.7	1.8	2.0	1.8
140.5°	2.1	2.3	1.8	1.7	1.7	1.6	1.6	1.7	1.8	2.1	1.8
141°	2.1	2.4	1.9	1.8	1.7	1.7	1.7	1.7	1.8	2.3	1.9
141.5°	2.1	2.3	1.9	1.8	1.7	1.7	1.7	1.8	1.9	2.3	1.9
142°	2.1	2.2	2.0	1.8	1.7	1.7	1.7	1.8	1.9	2.2	1.9
142.5°	2.2	2.1	2.0	1.9	1.8	1.7	1.8	1.8	1.9	2.1	1.9
143°	2.2	2.1	2.1	1.9	1.8	1.8	1.8	1.8	2.0	2.0	1.9
143.5°	2.2	2.2	2.3	1.9	1.8	1.8	1.8	1.9	2.1	2.0	1.9
144°	2.2	2.2	2.4	2.0	1.9	1.8	1.8	1.9	2.3	2.1	1.9
144.5°	2.1	2.2	2.4	2.0	1.9	1.9	1.9	1.9	2.4	2.1	1.9
145°	2.1	2.2	2.3	2.1	1.9	1.9	1.9	2.0	2.3	2.1	1.9
145.5°	2.1	2.1	2.2	2.3	2.0	1.9	1.9	2.2	2.2	2.0	1.9
146°	2.1	2.2	2.2	2.4	2.0	2.0	2.0	2.3	2.1	2.1	1.9
146.5°	2.0	2.2	2.2	2.5	2.2	2.0	2.1	2.4	2.1	2.1	1.9
147°	2.0	2.2	2.2	2.4	2.3	2.2	2.3	2.3	2.1	2.1	1.9
147.5°	2.0	2.2	2.2	2.3	2.5	2.4	2.4	2.2	2.1	2.1	1.9
148°	2.0	2.2	2.2	2.2	2.5	2.5	2.4	2.1	2.1	2.1	1.9
148.5°	2.0	2.2	2.1	2.2	2.3	2.4	2.3	2.1	2.1	2.1	1.9
149°	1.9	2.2	2.2	2.2	2.2	2.3	2.2	2.1	2.1	2.1	1.9
149.5°	1.9	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1	1.9
150°	1.9	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	1.9
150.5°	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1	1.9
151°	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1	1.9
151.5°	1.9	2.0	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.0	1.9
152°	1.9	2.0	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.0	1.9
152.5°	1.9	2.0	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.0	1.9
153°	1.9	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.0	1.9
153.5°	1.9	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0
154°	2.0	1.9	2.0	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0
154.5°	2.0	1.9	2.0	2.1	2.2	2.2	2.2	2.1	2.0	2.0	2.0
155°	2.0	1.9	2.0	2.1	2.2	2.2	2.2	2.1	2.0	2.0	2.0
155.5°	2.0	1.9	1.9	2.1	2.1	2.2	2.1	2.1	2.0	2.0	2.0
156°	2.1	1.9	1.9	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.1



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.1	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1
158°	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1
158.5°	1.9	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.1	2.1
159°	1.9	2.1	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.2
159.5°	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.2
160°	2.2	2.1	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.2	2.2
160.5°	2.2	1.9	2.0	2.0	1.9	1.9	1.9	2.0	2.1	2.2	2.2
161°	2.2	1.9	2.0	2.0	1.9	1.9	1.9	2.0	2.1	2.2	2.2
161.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.2
162°	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2
162.5°	1.8	2.2	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.2	2.2
163°	1.7	2.2	2.1	2.1	2.0	2.0	2.1	2.1	2.2	2.2	2.2
163.5°	1.9	2.2	1.9	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
164°	2.1	2.2	1.9	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.2
164.5°	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.2
165°	2.1	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2
165.5°	2.1	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2
166°	2.1	1.7	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.2
166.5°	2.0	2.0	2.2	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
167°	2.0	2.1	2.2	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.1
167.5°	1.9	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1
168°	1.9	2.1	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
168.5°	1.8	1.9	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
169°	1.5	1.9	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
169.5°	1.4	1.8	1.8	2.2	2.0	2.2	2.2	2.2	2.2	2.2	2.0
170°	1.4	1.6	1.9	2.1	2.0	2.2	2.2	2.2	2.2	2.1	1.9
170.5°	1.4	1.4	1.9	2.0	2.0	2.2	2.2	2.2	2.2	2.1	1.9
171°	1.4	1.4	1.8	1.9	2.1	2.2	2.2	2.2	2.2	2.1	1.9
171.5°	1.4	1.4	1.4	1.6	2.1	2.1	2.2	2.2	2.1	2.1	1.8
172°	1.4	1.4	1.4	1.4	1.9	2.1	2.1	2.1	2.1	2.0	1.8
172.5°	1.3	1.4	1.4	1.4	1.9	2.0	2.1	2.1	2.1	2.0	1.8
173°	1.3	1.4	1.4	1.4	1.9	1.9	2.1	2.1	2.0	1.9	1.8
173.5°	1.3	1.4	1.4	1.4	1.8	1.9	2.0	2.0	2.0	1.9	1.7
174°	1.3	1.3	1.4	1.4	1.6	1.8	2.0	2.0	2.0	1.8	1.7
174.5°	1.3	1.3	1.4	1.4	1.4	1.8	1.9	2.0	1.9	1.7	1.4
175°	1.3	1.3	1.3	1.4	1.3	1.7	1.8	1.9	1.8	1.7	1.3
175.5°	1.3	1.3	1.3	1.3	1.3	1.6	1.7	1.9	1.7	1.6	1.3
176°	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.8	1.7	1.3	1.3
176.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.3	1.3
177°	1.3	1.3	1.3	1.2	1.2	1.3	1.5	1.4	1.4	1.3	1.3
177.5°	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.4	1.4	1.3	1.3
178°	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3	1.3
178.5°	1.5	1.3	1.3	1.3	1.2	1.2	1.0	1.2	1.1	1.3	1.2



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	821.0	821.0	821.0	821.0
0.5°	821.5	820.0	817.5	821.0
1°	821.0	820.4	822.8	821.6
1.5°	821.6	819.9	820.8	820.5
2°	821.0	819.9	820.5	820.8
2.5°	821.2	819.3	821.5	820.2
3°	820.4	819.5	820.0	821.1
3.5°	820.7	818.9	820.0	820.5
4°	819.7	818.0	821.1	819.8
4.5°	818.9	818.8	818.3	818.5
5°	819.0	817.5	819.0	818.5
5.5°	818.0	816.8	816.8	817.4
6°	817.8	817.2	818.3	816.6
6.5°	815.8	814.5	816.0	814.7
7°	814.6	813.9	815.2	814.9
7.5°	813.2	813.5	814.6	813.2
8°	812.1	810.8	812.4	811.7
8.5°	811.1	810.2	810.7	810.4
9°	809.9	808.7	809.3	809.6
9.5°	808.0	808.1	809.2	806.8
10°	806.5	805.6	808.7	807.4
10.5°	805.1	803.8	799.1	804.9
11°	802.9	802.5	802.5	802.5
11.5°	801.3	799.4	804.2	801.8
12°	799.2	798.0	804.4	798.5
12.5°	796.9	796.3	793.6	796.2
13°	795.4	794.2	794.5	793.5
13.5°	792.6	792.2	794.8	792.6
14°	790.4	788.7	790.1	788.7
14.5°	788.0	787.1	789.9	786.1
15°	784.8	784.9	787.7	787.1
15.5°	782.6	781.2	779.0	781.2
16°	780.2	778.5	778.1	779.6
16.5°	777.8	776.0	781.1	774.6
17°	774.3	772.1	773.3	774.5
17.5°	770.8	769.9	773.0	770.5
18°	768.4	767.6	769.6	767.9
18.5°	765.5	763.0	764.6	764.5
19°	761.6	761.6	761.7	760.8
19.5°	758.3	756.6	758.3	757.3
20°	755.1	753.1	755.9	754.6
20.5°	752.0	750.7	751.0	750.5
21°	748.0	747.8	749.0	747.3



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	736.7	735.1	740.6	736.1
23°	732.7	731.9	732.9	732.4
23.5°	728.8	728.7	731.4	731.2
24°	723.9	722.8	723.8	725.0
24.5°	720.1	719.5	720.2	729.9
25°	715.6	714.3	715.4	716.8
25.5°	711.4	710.8	712.0	710.6
26°	707.0	704.8	707.7	705.8
26.5°	703.2	703.0	702.6	702.1
27°	698.5	697.8	699.0	696.6
27.5°	693.7	692.4	694.1	691.9
28°	689.0	688.1	688.9	689.7
28.5°	683.8	683.2	684.6	689.0
29°	679.2	678.0	679.8	675.0
29.5°	674.1	674.1	674.8	674.5
30°	668.8	668.1	669.3	667.6
30.5°	664.0	663.9	664.2	663.7
31°	658.9	658.8	659.5	656.7
31.5°	653.5	652.3	654.3	653.4
32°	648.3	648.6	649.0	645.3
32.5°	643.0	643.6	643.9	643.9
33°	637.8	635.8	638.2	636.5
33.5°	632.4	632.6	633.1	630.3
34°	626.4	627.3	627.5	624.4
34.5°	620.9	621.3	622.0	622.0
35°	615.3	615.6	616.3	615.3
35.5°	610.0	609.9	610.0	609.0
36°	604.0	604.3	607.2	604.0
36.5°	598.3	597.7	598.2	597.9
37°	592.2	592.3	593.6	592.4
37.5°	586.3	586.1	586.8	584.7
38°	580.4	580.4	581.8	576.8
38.5°	574.9	575.0	573.9	571.6
39°	568.6	569.4	569.5	565.7
39.5°	562.6	562.2	562.8	563.3
40°	556.1	556.5	558.4	558.4
40.5°	550.2	550.9	552.1	550.8
41°	543.8	544.7	545.2	543.3
41.5°	538.0	538.8	539.7	542.5
42°	532.1	532.4	533.9	531.5
42.5°	525.7	525.3	525.5	524.8
43°	519.1	519.6	521.1	518.9
43.5°	512.9	513.4	514.2	512.5



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	493.6	493.7	495.0	493.9
45.5°	487.6	487.5	488.6	487.8
46°	480.9	481.4	482.9	478.5
46.5°	474.4	475.1	475.8	474.9
47°	468.2	467.9	470.0	468.8
47.5°	461.6	462.3	463.0	461.2
48°	455.2	456.3	456.8	453.2
48.5°	448.7	450.3	449.9	447.8
49°	442.2	443.1	443.6	444.3
49.5°	435.9	436.7	437.6	434.8
50°	429.1	430.1	430.3	430.0
50.5°	422.9	424.3	423.8	424.5
51°	416.4	417.2	417.6	416.3
51.5°	410.2	411.3	411.2	409.7
52°	403.3	404.4	405.1	403.4
52.5°	396.8	398.1	398.1	397.1
53°	390.7	391.4	392.0	389.8
53.5°	384.2	385.3	385.4	383.8
54°	377.5	378.5	379.0	377.5
54.5°	371.2	372.2	372.3	370.5
55°	364.9	365.4	365.9	364.7
55.5°	358.8	359.3	359.9	358.1
56°	351.8	352.6	353.4	351.4
56.5°	345.7	346.2	346.8	345.0
57°	339.2	339.8	340.5	337.8
57.5°	332.7	333.7	333.2	331.9
58°	326.5	327.3	327.6	326.4
58.5°	320.1	321.0	321.0	319.1
59°	313.8	314.4	314.8	314.0
59.5°	307.4	308.1	308.3	306.3
60°	301.2	301.9	301.9	300.3
60.5°	295.0	295.6	295.6	293.7
61°	288.8	289.4	289.6	288.1
61.5°	282.8	282.8	283.5	281.9
62°	276.4	277.1	277.1	274.8
62.5°	270.1	270.7	270.4	268.8
63°	264.0	264.4	264.0	262.4
63.5°	257.9	258.1	258.2	256.3
64°	251.7	251.7	251.3	249.6
64.5°	245.8	245.9	245.6	243.7
65°	239.8	240.1	239.2	237.4
65.5°	233.8	233.6	232.9	231.2
66°	227.9	227.7	227.7	225.2



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	210.1	209.6	208.8	206.6
68°	204.4	203.5	202.8	200.8
68.5°	198.5	197.9	196.7	194.1
69°	192.7	191.6	190.5	188.2
69.5°	187.0	185.9	184.6	182.3
70°	181.3	179.8	178.5	176.7
70.5°	175.6	174.2	172.6	170.2
71°	169.9	168.5	166.8	164.2
71.5°	164.4	163.0	161.1	158.4
72°	158.9	156.8	155.2	152.7
72.5°	153.3	151.4	149.2	147.1
73°	147.8	145.6	143.7	141.3
73.5°	142.5	140.2	138.1	135.4
74°	137.2	134.9	132.6	129.8
74.5°	132.1	129.5	127.0	124.1
75°	127.1	124.2	121.5	118.4
75.5°	122.0	118.9	116.0	112.9
76°	116.9	113.6	110.5	107.5
76.5°	111.8	108.2	105.2	101.7
77°	106.9	103.2	100.0	96.5
77.5°	101.8	98.0	94.8	91.7
78°	96.9	92.9	89.5	86.1
78.5°	92.1	88.0	84.5	80.6
79°	87.2	83.0	79.2	76.1
79.5°	82.5	77.9	74.2	70.9
80°	77.9	73.3	69.4	65.9
80.5°	73.4	68.6	64.5	61.2
81°	69.0	64.0	59.8	56.4
81.5°	64.7	59.6	55.3	52.2
82°	60.4	55.2	50.7	48.0
82.5°	56.2	51.0	46.6	43.8
83°	52.2	46.9	42.3	39.6
83.5°	48.3	42.7	38.2	35.4
84°	44.7	39.0	34.4	31.6
84.5°	41.0	35.3	30.6	27.8
85°	37.6	31.7	27.0	24.2
85.5°	34.3	28.4	23.6	20.8
86°	31.1	25.2	20.4	17.7
86.5°	28.0	22.1	17.7	14.7
87°	25.1	19.3	15.1	11.8
87.5°	22.4	17.0	12.5	9.2
88°	19.8	14.7	9.8	6.7
88.5°	17.4	12.5	7.2	5.4



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	11.6	6.3	2.6	1.5
90.5°	9.7	5.0	1.7	0.2
91°	7.9	3.8	1.2	0.2
91.5°	6.6	3.0	0.8	0.1
92°	5.4	2.4	0.6	0.1
92.5°	4.5	1.9	0.5	0.1
93°	3.8	1.6	0.5	0.1
93.5°	3.3	1.5	0.5	0.1
94°	2.9	1.4	0.4	0.1
94.5°	2.6	1.3	0.4	0.1
95°	2.4	1.2	0.4	0.1
95.5°	2.3	1.2	0.4	0.1
96°	2.2	1.2	0.4	0.2
96.5°	2.1	1.1	0.4	0.2
97°	2.0	1.1	0.4	0.2
97.5°	2.0	1.1	0.4	0.2
98°	1.9	1.1	0.4	0.2
98.5°	1.9	1.0	0.4	0.3
99°	1.9	1.0	0.3	0.3
99.5°	1.8	1.0	0.3	0.4
100°	1.8	1.0	0.4	0.4
100.5°	1.8	1.0	0.4	0.4
101°	1.7	1.0	0.4	0.5
101.5°	1.7	1.0	0.4	0.5
102°	1.7	1.0	0.4	0.5
102.5°	1.7	1.0	0.5	0.6
103°	1.7	1.0	0.5	0.6
103.5°	1.7	0.9	0.5	0.6
104°	1.6	0.9	0.6	0.7
104.5°	1.6	0.8	0.6	0.7
105°	1.6	0.8	0.6	0.7
105.5°	1.6	0.8	0.6	0.7
106°	1.6	0.8	0.7	0.8
106.5°	1.5	0.8	0.7	0.8
107°	1.5	0.8	0.7	0.8
107.5°	1.5	0.8	0.7	0.9
108°	1.4	0.7	0.8	0.9
108.5°	1.4	0.8	0.8	1.0
109°	1.4	0.8	0.8	1.1
109.5°	1.3	0.8	0.9	1.1
110°	1.3	0.8	0.9	1.2
110.5°	1.2	0.8	0.9	1.2
111°	1.2	0.9	0.9	1.2



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.2	1.0	1.0	1.3
113°	1.2	1.0	1.0	1.3
113.5°	1.1	1.0	1.1	1.3
114°	1.1	1.1	1.1	1.4
114.5°	1.0	1.1	1.1	1.4
115°	0.9	1.1	1.2	1.4
115.5°	0.9	1.1	1.2	1.4
116°	0.9	1.1	1.2	1.4
116.5°	0.9	1.1	1.2	1.4
117°	0.9	1.1	1.2	1.4
117.5°	0.9	1.1	1.2	1.4
118°	1.0	1.1	1.2	1.3
118.5°	1.0	1.1	1.2	1.3
119°	1.0	1.2	1.3	1.3
119.5°	1.0	1.2	1.3	1.3
120°	1.0	1.2	1.3	1.3
120.5°	1.1	1.2	1.3	1.3
121°	1.1	1.3	1.4	1.4
121.5°	1.1	1.3	1.4	1.4
122°	1.1	1.3	1.4	1.4
122.5°	1.2	1.3	1.4	1.4
123°	1.2	1.3	1.4	1.4
123.5°	1.2	1.4	1.5	1.4
124°	1.2	1.4	1.5	1.4
124.5°	1.3	1.4	1.5	1.4
125°	1.3	1.4	1.5	1.5
125.5°	1.3	1.5	1.5	1.5
126°	1.4	1.5	1.5	1.5
126.5°	1.4	1.5	1.5	1.5
127°	1.4	1.5	1.5	1.5
127.5°	1.4	1.5	1.6	1.5
128°	1.5	1.6	1.6	1.5
128.5°	1.5	1.6	1.6	1.5
129°	1.5	1.6	1.6	1.5
129.5°	1.5	1.6	1.6	1.5
130°	1.5	1.6	1.6	1.5
130.5°	1.5	1.6	1.6	1.6
131°	1.5	1.6	1.6	1.6
131.5°	1.6	1.6	1.6	1.6
132°	1.6	1.6	1.6	1.6
132.5°	1.6	1.6	1.6	1.6
133°	1.6	1.6	1.6	1.6
133.5°	1.6	1.7	1.6	1.6



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	1.7	1.7	1.7	1.6
135.5°	1.7	1.7	1.7	1.7
136°	1.7	1.8	1.7	1.7
136.5°	1.7	1.8	1.7	1.7
137°	1.8	1.8	1.7	1.7
137.5°	1.8	1.8	1.7	1.7
138°	1.8	1.9	1.7	1.7
138.5°	1.8	1.9	1.7	1.7
139°	1.8	1.9	1.7	1.7
139.5°	1.8	1.9	1.7	1.7
140°	1.8	2.0	1.7	1.7
140.5°	1.8	2.0	1.8	1.7
141°	1.8	2.0	1.8	1.8
141.5°	1.8	2.1	1.8	1.8
142°	1.8	2.1	1.8	1.8
142.5°	1.8	2.1	1.8	1.8
143°	1.8	2.1	1.8	1.8
143.5°	1.8	2.1	1.8	1.8
144°	1.9	2.2	1.8	1.8
144.5°	1.9	2.2	1.8	1.8
145°	1.9	2.2	1.8	1.8
145.5°	2.0	2.2	1.8	1.8
146°	2.0	2.2	1.8	1.8
146.5°	2.0	2.2	1.8	1.8
147°	2.0	2.2	1.8	1.8
147.5°	2.0	2.2	1.8	1.8
148°	2.1	2.2	1.8	1.8
148.5°	2.1	2.2	1.8	1.8
149°	2.1	2.2	1.8	1.7
149.5°	2.1	2.2	1.8	1.7
150°	2.2	2.2	1.8	1.7
150.5°	2.2	2.2	1.8	1.7
151°	2.2	2.2	1.8	1.8
151.5°	2.2	2.2	1.8	1.8
152°	2.2	2.2	1.8	1.8
152.5°	2.2	2.2	1.8	1.7
153°	2.2	2.2	1.7	1.7
153.5°	2.2	2.2	1.7	1.7
154°	2.2	2.2	1.7	1.7
154.5°	2.3	2.2	1.7	1.7
155°	2.3	2.2	1.7	1.8
155.5°	2.3	2.2	1.7	1.8
156°	2.3	2.2	1.7	1.8



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	2.3	2.2	1.7	1.8
158°	2.3	2.2	1.7	1.7
158.5°	2.2	2.1	1.7	1.7
159°	2.2	2.1	1.7	1.8
159.5°	2.2	2.1	1.7	1.8
160°	2.2	2.1	1.7	1.8
160.5°	2.2	2.1	1.7	1.8
161°	2.2	2.1	1.7	1.8
161.5°	2.2	2.1	1.7	1.8
162°	2.2	2.1	1.7	1.7
162.5°	2.2	2.1	1.7	1.6
163°	2.2	2.1	1.7	1.6
163.5°	2.2	2.1	1.7	1.6
164°	2.2	2.0	1.7	1.5
164.5°	2.2	2.0	1.7	1.5
165°	2.1	2.0	1.7	1.5
165.5°	2.1	2.0	1.7	1.5
166°	2.1	1.9	1.7	1.5
166.5°	2.1	1.9	1.7	1.5
167°	2.0	1.9	1.7	1.4
167.5°	2.0	1.9	1.7	1.2
168°	2.0	1.8	1.6	1.2
168.5°	1.9	1.7	1.4	1.2
169°	1.8	1.6	1.3	1.2
169.5°	1.8	1.3	1.3	1.2
170°	1.8	1.3	1.3	1.2
170.5°	1.8	1.3	1.3	1.2
171°	1.7	1.3	1.3	1.2
171.5°	1.7	1.3	1.3	1.2
172°	1.5	1.3	1.3	1.2
172.5°	1.4	1.3	1.3	1.2
173°	1.3	1.3	1.2	1.2
173.5°	1.3	1.3	1.2	1.2
174°	1.3	1.3	1.2	1.2
174.5°	1.3	1.3	1.2	1.2
175°	1.3	1.2	1.2	1.2
175.5°	1.3	1.2	1.2	1.2
176°	1.3	1.2	1.2	1.2
176.5°	1.2	1.3	1.3	1.2
177°	1.3	1.3	1.3	1.2
177.5°	1.3	1.3	1.3	1.2
178°	1.3	1.3	1.3	1.3
178.5°	1.3	1.3	1.4	1.6



TEST NUMBER: P563529

CATALOG NUMBER: 2NWS23C3-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	743.1	744.1	734.3	747.1	739.3	737.8	735.9	735.7	733.2	731.0	729.2
22°	739.5	731.4	732.2	742.9	735.6	733.7	731.9	729.7	728.7	726.4	725.9



44°	505.9	505.5	501.2	507.8	497.9	492.8	486.4	480.9	475.2	472.1	470.6
44.5°	500.3	499.0	493.6	501.4	491.5	485.8	479.6	474.2	468.9	465.3	464.1



66.5°	218.6	218.3	215.8	220.4	214.3	211.0	206.6	203.6	200.3	198.3	197.9
67°	212.5	212.2	209.9	213.2	208.6	205.3	201.4	198.5	195.0	193.1	192.5



89°	4.1	4.6	7.8	13.0	17.9	22.5	26.2	28.9	30.3	30.6	29.9
89.5°	2.8	3.5	6.3	11.2	16.0	20.6	24.2	26.8	28.3	28.6	27.9



111.5°	1.3	1.2	1.0	1.0	1.2	1.2	1.2	1.4	1.6	1.7	1.6
112°	1.3	1.2	1.0	1.0	1.2	1.2	1.2	1.4	1.5	1.6	1.5



134°	1.6	1.7	1.6	1.9	2.6	1.9	1.8	1.7	1.7	1.6	1.7
134.5°	1.6	1.7	1.7	1.9	2.6	1.9	1.8	1.7	1.7	1.7	1.7



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



179°	1.7	1.7	1.7	1.5	1.3	1.2	1.3	1.0	1.1	1.0	1.1
179.5°	1.8	1.8	1.7	1.7	1.5	1.3	1.1	1.1	0.9	0.9	0.9





21.5°	728.2	724.7	729.6	727.0	727.3	727.3	726.6	727.9	733.4	724.1	734.5
22°	726.4	725.3	724.4	723.7	723.6	722.2	724.3	723.5	723.2	717.7	733.1



44°	473.0	476.1	479.2	483.6	483.6	483.3	484.0	484.4	486.3	482.0	492.1
44.5°	466.3	470.5	474.6	476.1	477.8	477.3	477.7	478.3	478.6	475.8	485.1



66.5°	199.1	201.2	203.4	204.4	204.9	203.9	203.4	204.1	204.7	205.0	210.1
67°	193.9	195.7	197.9	198.8	199.0	198.2	197.4	198.3	198.7	199.4	204.5



89°	28.4	25.7	21.9	17.2	12.0	6.9	3.6	1.3	3.3	7.1	12.8
89.5°	26.4	23.7	20.0	15.4	10.4	5.6	2.5	0.2	2.2	5.7	10.7



111.5°	1.5	1.3	1.3	1.2	1.1	1.1	1.4	1.4	1.3	1.1	1.4
112°	1.4	1.3	1.3	1.2	1.1	1.2	1.4	1.4	1.3	1.2	1.3



134°	1.7	1.8	1.9	2.5	2.0	1.7	1.8	1.6	1.6	1.6	1.9
134.5°	1.8	1.8	1.9	2.6	2.0	1.7	1.8	1.6	1.6	1.6	2.0



156.5°	1.7	1.7	1.8	2.0	2.1	2.0	1.8	1.8	1.7	2.1	2.2
157°	1.7	1.7	1.8	2.0	2.1	2.0	1.9	1.8	1.7	2.0	2.1



179°	1.1	1.2	1.5	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.8
179.5°	0.9	1.3	1.4	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.8





21.5°	730.8	730.5	732.3	734.2	734.1	735.0	735.7	736.5	740.4	742.9	741.7
22°	726.2	727.0	728.4	732.8	731.3	735.3	732.3	733.2	736.8	738.8	739.4



44°	485.7	484.1	481.8	481.3	478.2	479.0	480.8	486.1	492.9	499.3	503.0
44.5°	479.6	477.9	475.5	474.0	470.3	471.4	474.5	480.0	486.9	492.8	497.1



66.5°	208.5	208.0	207.1	206.0	205.6	205.8	207.5	210.7	214.6	218.0	221.0
67°	203.1	202.4	201.5	201.5	200.2	200.9	202.3	205.2	209.1	212.5	215.2



89°	17.4	22.2	26.3	29.4	31.2	32.1	31.9	30.8	28.4	25.0	20.3
89.5°	15.7	20.2	24.1	27.1	29.0	29.8	29.7	28.5	26.2	22.7	18.1



111.5°	2.1	2.7	3.2	3.6	3.8	3.9	3.8	3.6	3.2	2.7	2.0
112°	2.1	2.7	3.1	3.5	3.8	3.8	3.8	3.5	3.2	2.6	2.0



134°	1.9	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.5	1.6
134.5°	2.0	1.7	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.6	1.7



156.5°	2.1	1.9	1.9	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.1
157°	2.1	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1



179°	1.7	1.7	1.4	1.2	1.2	1.1	0.9	1.0	1.0	1.2	1.2
179.5°	1.8	1.8	1.5	1.3	1.0	1.0	0.9	0.8	1.1	1.1	1.4





21.5°	744.3	743.1	745.7	743.1
22°	740.2	740.4	740.5	739.5



44°	506.5	507.0	506.8	505.9
44.5°	500.4	501.2	501.1	500.3



66.5°	221.9	221.9	220.8	218.6
67°	216.1	215.6	214.7	212.5



89°	15.5	10.2	5.4	4.1
89.5°	13.6	7.9	3.8	2.8



111.5°	1.2	0.9	1.0	1.3
112°	1.2	0.9	1.0	1.3



134°	1.6	1.7	1.7	1.6
134.5°	1.7	1.7	1.7	1.6



156.5°	2.3	2.2	1.7	1.8
157°	2.3	2.2	1.7	1.8



179°	1.3	1.5	1.6	1.7
179.5°	1.5	1.7	1.7	1.8



(END OF REPORT)