

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: P563521

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

Issue Date: 7/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032a-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2NWS23C3-NUV-LOW-5000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

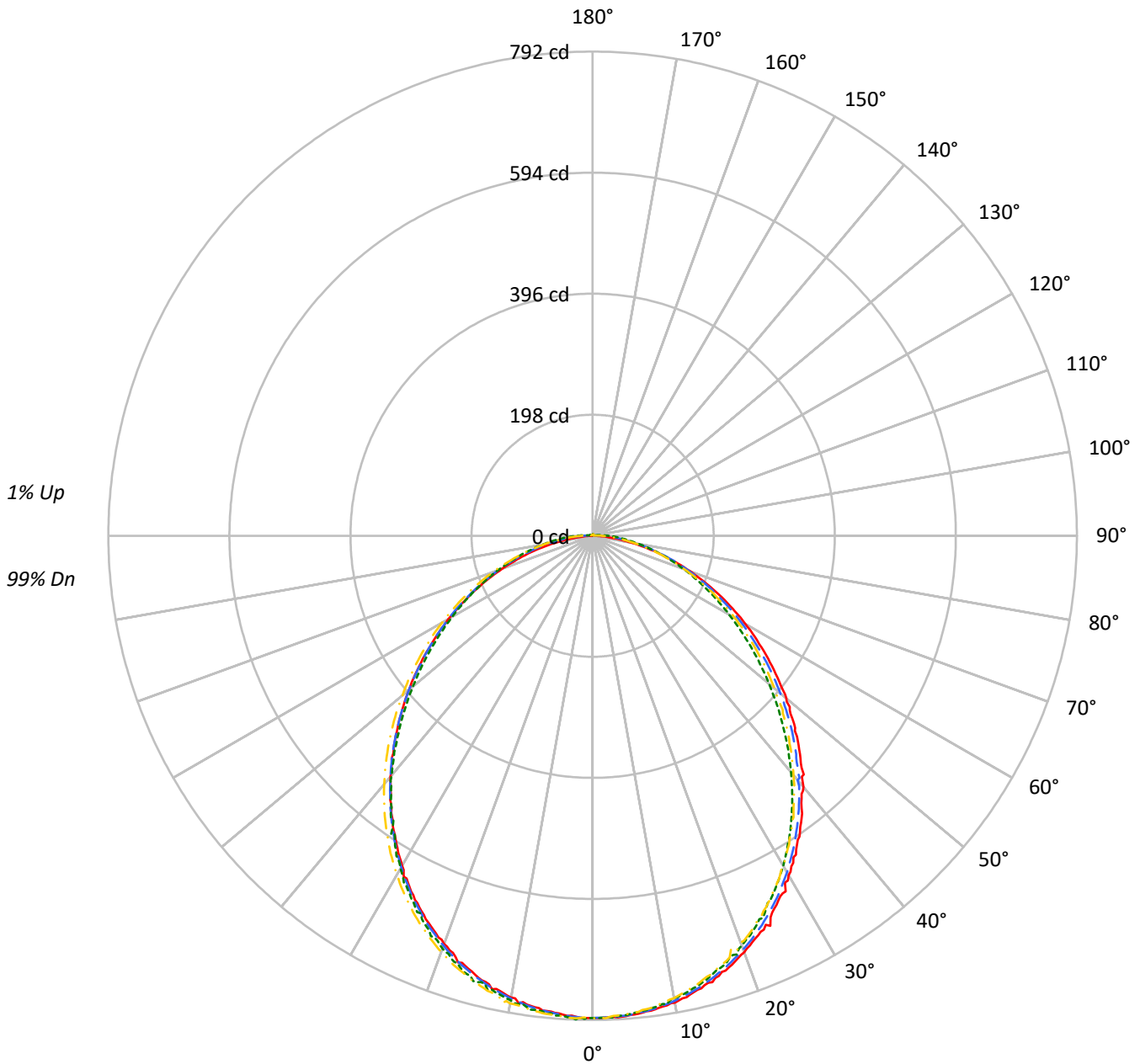
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2005.0 lumens
Efficiency: N/A
Efficacy: 128.5 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): 15.6
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°	9588	9588	9588	9588
5°	9561	9405	9499	9413
10°	9506	9183	9398	9221
15°	9413	8936	9251	9038
20°	9240	8637	9054	8700
25°	9063	8287	8822	8377
30°	8793	7894	8542	7960
35°	8525	7432	8210	7454
40°	8226	6923	7886	7010
45°	7833	6378	7473	6472
50°	7445	5823	7068	5932
55°	7011	5271	6633	5398
60°	6544	4735	6177	4867
65°	6023	4214	5626	4368
70°	5415	3693	5003	3857
75°	4628	3159	4254	3355
80°	3587	2599	3179	2823
85°	2204	2113	1788	2272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.7
10°-20°	210.9	10.5
20°-30°	311.8	15.6
30°-40°	360.4	18.0
40°-50°	352.2	17.6
50°-60°	297.8	14.9
60°-70°	215.3	10.7
70°-80°	122.7	6.1
80°-90°	43.0	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°	597.1	29.8
0°-40°	957.5	47.8
0°-60°	1607.4	80.2
0°-90°	1988.5	99.2
90°-120°	10.9	0.5
90°-150°	14.9	0.7
90°-180°	16.0	0.8
0°-180°	2005.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	789	789	789	789	789	
5°	786	783	781	784	786	75
15°	756	746	743	754	756	213
25°	689	672	670	679	689	317
35°	591	566	569	568	591	369
45°	474	440	453	447	474	366
55°	350	315	332	323	350	313
65°	228	205	213	213	228	226
75°	114	114	105	121	114	121
85°	23	48	19	51	23	27
90°	1	26	0	26	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°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
0.5°	788.8	791.6	783.1	798.9	788.7	788.5	788.9	790.7	788.0	789.3	788.0
1°	789.3	790.5	782.5	795.0	788.4	788.7	788.6	791.6	789.4	788.7	787.5
1.5°	788.3	790.0	782.0	800.3	788.1	788.6	788.2	791.9	790.0	788.9	787.1
2°	788.5	788.1	781.7	797.8	788.3	787.7	788.9	789.5	788.3	788.1	788.6
2.5°	788.0	786.8	781.7	794.4	789.7	787.6	787.7	787.7	788.0	789.3	786.2
3°	788.9	788.2	781.7	794.8	787.7	787.8	787.6	791.6	786.5	786.5	786.0
3.5°	788.3	786.1	780.7	793.9	787.5	786.5	786.8	789.9	787.3	786.2	785.1
4°	787.6	791.1	784.8	797.6	786.8	786.4	786.0	786.6	785.9	785.8	785.1
4.5°	786.3	787.6	780.4	794.7	786.5	785.3	784.9	787.0	785.5	784.5	784.9
5°	786.3	788.7	779.1	791.9	785.8	784.5	785.0	785.1	784.3	783.3	782.2
5.5°	785.3	784.8	779.7	793.2	784.1	783.2	783.6	785.3	783.9	782.7	781.1
6°	784.5	787.6	777.8	789.0	783.2	783.0	783.1	780.8	782.5	781.3	780.8
6.5°	782.7	779.6	776.8	790.2	783.1	782.1	781.7	783.6	782.4	780.6	778.4
7°	782.9	785.2	775.6	789.6	781.8	780.5	780.5	789.2	781.4	779.0	778.5
7.5°	781.3	780.8	777.9	789.2	780.4	779.4	779.2	776.5	779.5	777.8	776.5
8°	779.8	780.2	773.6	788.2	778.5	777.7	777.5	779.5	777.0	776.4	773.9
8.5°	778.6	779.8	771.5	786.4	777.6	776.5	775.6	775.6	776.9	774.5	773.1
9°	777.8	782.2	771.6	783.6	775.9	775.3	774.6	775.6	774.0	775.5	770.8
9.5°	775.1	776.0	769.0	780.2	774.4	773.9	773.2	774.4	771.9	769.8	770.2
10°	775.7	775.1	767.7	782.1	772.5	772.0	771.6	770.8	772.4	768.5	768.8
10.5°	773.3	772.5	766.0	778.7	770.7	770.4	769.4	768.1	767.9	766.9	766.8
11°	770.9	769.8	765.9	777.9	770.2	767.9	767.7	768.5	767.6	765.6	764.7
11.5°	770.3	768.7	762.7	773.3	767.3	765.8	765.5	765.4	764.6	763.2	762.6
12°	767.1	767.1	761.4	772.1	765.5	764.3	763.8	763.1	760.3	761.2	759.6
12.5°	764.9	764.3	758.2	771.1	762.9	761.9	761.0	762.8	759.9	758.5	757.1
13°	762.3	764.3	761.8	767.1	760.9	759.9	759.2	757.8	757.6	756.7	754.9
13.5°	761.4	760.6	754.6	772.2	759.3	757.4	756.7	755.8	755.7	754.1	752.5
14°	757.7	759.1	753.1	765.5	755.9	754.9	754.1	754.8	753.5	751.1	749.6
14.5°	755.2	757.0	722.0	763.5	753.3	752.4	751.4	757.1	749.6	748.9	746.5
15°	756.2	753.2	745.1	755.6	751.6	749.7	749.0	749.7	748.4	745.7	744.1
15.5°	750.5	745.8	745.0	760.3	748.4	747.1	746.0	744.6	747.0	742.1	741.8
16°	749.0	749.7	742.1	749.7	745.0	744.4	743.4	743.0	741.1	738.6	739.0
16.5°	744.1	746.4	738.5	753.3	743.1	741.7	739.9	739.3	738.2	737.1	735.8
17°	744.0	742.4	755.3	749.4	740.3	738.7	737.7	736.9	734.7	734.7	732.0
17.5°	740.3	739.9	733.2	747.5	736.9	735.6	734.2	735.7	735.9	731.1	729.0
18°	737.7	737.3	728.9	743.5	733.7	732.9	731.6	731.5	729.4	725.5	725.9
18.5°	734.4	735.2	728.0	739.9	730.1	729.0	728.4	728.4	725.9	723.2	722.6
19°	730.9	731.7	726.4	736.6	727.8	726.0	725.2	725.6	722.6	724.4	718.9
19.5°	727.5	729.6	723.7	733.7	725.3	722.7	721.4	720.4	719.4	716.7	715.7
20°	725.0	722.7	719.4	730.5	721.3	719.1	718.1	716.0	715.5	713.2	712.0
20.5°	721.0	720.0	715.1	726.8	717.6	715.7	714.5	715.4	712.9	709.4	709.0
21°	717.9	717.3	710.9	722.7	714.1	712.2	711.3	710.5	708.8	705.4	704.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	707.2	710.3	700.2	710.8	703.0	700.9	700.3	700.7	696.8	694.3	692.6
23°	703.7	701.5	697.6	710.5	699.0	697.1	696.0	693.0	691.7	689.2	687.8
23.5°	702.5	701.9	692.1	706.5	695.1	693.5	693.1	692.5	688.0	684.0	683.8
24°	696.5	694.7	690.6	701.2	691.0	688.8	692.6	685.7	683.6	684.7	679.7
24.5°	701.2	691.3	683.9	693.6	686.8	684.7	683.2	682.1	679.2	678.6	674.9
25°	688.7	686.6	682.8	692.9	682.6	680.7	678.3	675.5	674.3	671.8	671.3
25.5°	682.7	682.1	675.5	691.2	678.6	676.1	673.8	675.1	670.5	665.3	666.6
26°	678.0	677.3	672.1	682.5	674.0	671.6	670.1	672.2	665.6	662.9	662.2
26.5°	674.6	674.2	666.8	678.4	670.1	667.0	665.9	662.5	660.6	658.3	655.6
27°	669.3	669.2	659.8	672.8	665.4	662.9	660.4	658.5	656.4	653.4	652.3
27.5°	664.7	664.1	657.2	669.1	660.8	658.3	655.5	654.5	652.9	648.7	647.2
28°	662.6	660.5	652.6	664.3	655.9	653.8	651.3	650.3	645.8	643.8	642.0
28.5°	661.9	657.7	651.1	660.6	651.0	648.5	646.6	645.6	640.9	638.8	637.2
29°	648.5	650.4	644.5	654.3	646.3	643.6	642.1	638.5	636.4	633.4	631.7
29.5°	648.0	647.7	639.8	650.6	641.9	638.9	635.4	633.7	630.9	628.4	626.7
30°	641.4	638.8	632.9	647.1	636.9	634.2	630.8	632.3	626.0	623.2	621.6
30.5°	637.6	643.6	630.3	641.1	632.0	629.3	626.1	623.6	621.1	617.7	616.1
31°	630.9	632.6	624.3	634.7	626.8	624.1	621.0	618.0	615.3	612.2	611.1
31.5°	627.7	626.1	626.2	631.4	621.5	618.5	615.7	613.9	609.6	606.6	605.1
32°	619.9	621.5	615.6	629.9	616.4	613.5	610.0	607.3	604.1	601.2	599.2
32.5°	618.6	616.7	607.1	618.1	611.3	608.1	604.8	602.2	598.2	595.3	594.7
33°	611.5	611.9	605.9	614.6	606.2	603.0	599.3	596.3	592.2	589.9	588.4
33.5°	605.5	606.1	599.8	610.8	600.7	597.5	593.9	589.2	587.1	584.3	582.8
34°	599.9	599.3	595.6	611.6	595.2	591.9	587.9	587.3	581.3	578.8	576.0
34.5°	597.5	595.5	590.4	599.3	589.7	586.1	582.2	579.0	574.5	572.5	570.8
35°	591.1	589.8	583.7	594.6	584.6	581.1	576.6	573.4	570.1	566.5	564.7
35.5°	585.1	585.0	578.5	588.0	578.7	575.3	570.9	567.6	563.1	560.5	558.9
36°	580.2	578.9	573.1	581.4	573.4	569.9	564.8	560.8	556.9	554.5	553.5
36.5°	574.4	573.3	567.8	576.6	567.5	563.5	558.6	559.2	552.8	548.4	547.3
37°	569.1	567.5	562.6	571.8	562.4	558.1	553.6	548.3	546.6	542.5	540.9
37.5°	561.7	562.8	556.5	563.7	555.9	552.1	547.2	544.2	539.4	536.0	535.5
38°	554.1	556.6	551.0	558.9	550.2	546.8	541.2	537.0	533.7	529.8	528.7
38.5°	549.1	550.5	546.1	554.0	544.9	540.4	535.6	530.7	526.9	523.8	523.0
39°	543.4	544.8	539.7	549.2	539.1	534.3	528.1	526.9	520.3	517.5	515.9
39.5°	541.1	539.1	534.0	542.6	533.1	528.4	524.5	518.8	514.9	511.2	510.1
40°	536.4	533.6	528.2	529.9	520.8	522.6	518.0	511.6	508.2	504.9	503.6
40.5°	529.2	527.6	522.7	529.5	526.1	516.2	511.1	506.5	501.4	498.4	497.3
41°	521.9	521.8	516.3	524.1	513.4	510.3	504.5	502.6	497.0	492.0	490.9
41.5°	521.2	515.3	510.5	518.2	509.1	504.2	499.0	493.6	489.8	485.5	484.8
42°	510.6	509.3	504.5	512.2	499.8	497.9	492.2	488.8	482.9	479.1	477.8
42.5°	504.2	504.0	498.4	505.4	493.3	492.0	486.1	481.8	476.1	473.0	471.9
43°	498.5	498.0	492.7	502.5	490.4	485.9	479.8	475.0	469.7	466.4	465.4
43.5°	492.4	492.1	487.2	492.9	484.4	479.3	473.5	468.8	463.5	459.7	459.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	474.5	474.0	468.4	474.6	465.8	461.0	454.5	448.6	443.6	440.5	440.0
45.5°	468.6	467.7	462.5	468.5	459.7	454.8	448.3	441.5	437.6	434.1	433.6
46°	459.7	461.3	456.2	462.4	453.6	448.4	442.3	436.6	430.8	427.6	426.8
46.5°	456.3	455.0	450.0	456.3	447.2	441.9	435.6	430.3	424.5	421.2	420.4
47°	450.4	449.0	444.8	450.4	441.1	435.9	428.9	424.5	418.2	415.2	414.9
47.5°	443.1	442.6	436.7	443.6	434.9	429.3	422.7	417.8	411.6	408.4	407.7
48°	435.4	435.6	432.2	437.7	429.1	422.9	416.6	411.2	405.8	402.1	401.5
48.5°	430.2	431.0	425.5	431.5	422.4	416.6	410.2	405.1	398.4	395.4	394.8
49°	426.9	424.6	420.2	424.7	416.4	410.5	403.5	397.9	392.6	389.5	389.2
49.5°	417.8	416.8	413.4	418.1	409.8	404.3	398.0	391.0	386.1	383.0	381.7
50°	413.1	413.5	407.6	412.7	403.7	398.2	391.2	385.4	379.8	376.7	376.4
50.5°	407.9	404.8	400.5	406.0	397.4	391.2	384.8	379.7	373.4	370.3	369.0
51°	399.9	399.7	395.0	399.7	391.5	385.4	378.4	372.2	367.5	364.1	363.9
51.5°	393.6	392.4	388.7	393.1	384.9	378.9	372.2	366.8	360.9	357.8	357.2
52°	387.5	386.1	383.0	386.5	378.7	372.8	366.1	357.2	354.8	351.7	351.2
52.5°	381.5	381.0	376.9	380.7	372.7	366.7	359.8	353.8	348.7	345.5	344.6
53°	374.5	374.4	369.5	374.5	366.1	360.3	353.6	347.8	342.5	339.5	338.5
53.5°	368.7	368.6	362.3	368.7	360.2	354.2	347.5	341.6	336.3	333.4	332.6
54°	362.6	362.1	358.5	362.2	354.2	347.9	340.9	335.8	330.4	327.1	326.3
54.5°	356.0	355.3	351.6	355.8	347.4	342.0	335.0	332.2	324.5	321.3	321.1
55°	350.4	349.3	345.1	350.0	341.4	335.5	328.9	322.9	318.2	315.3	314.4
55.5°	344.0	343.6	340.9	342.1	335.4	329.7	322.7	317.2	312.4	309.3	309.0
56°	337.6	337.2	333.6	336.8	329.3	323.5	317.6	311.4	306.5	303.5	303.1
56.5°	331.5	330.4	329.8	330.5	323.0	317.5	311.1	305.0	300.6	297.5	297.3
57°	324.5	324.2	321.7	324.8	316.9	311.4	304.6	299.1	295.0	292.0	292.5
57.5°	318.8	317.8	315.2	319.9	310.9	305.4	299.2	293.1	288.8	286.1	285.0
58°	313.5	312.6	308.8	312.0	304.9	299.7	293.0	288.8	283.0	280.3	280.3
58.5°	306.6	305.7	302.4	305.9	298.7	293.4	287.0	281.6	277.6	274.8	274.5
59°	301.6	299.3	296.6	299.6	292.9	287.9	281.6	276.3	271.9	269.3	268.7
59.5°	294.3	294.3	290.4	293.9	286.9	281.6	275.8	270.4	266.2	263.4	263.3
60°	288.5	288.4	284.4	287.5	280.7	275.8	270.1	265.3	260.0	258.0	257.7
60.5°	282.1	282.0	278.4	281.5	274.9	270.0	264.0	259.5	254.9	252.7	252.2
61°	276.8	276.0	272.2	275.6	269.1	264.1	258.6	254.2	249.9	247.0	246.4
61.5°	270.8	269.4	266.0	269.8	263.3	258.4	252.6	248.5	244.3	241.7	241.6
62°	264.0	263.0	261.0	263.2	257.2	252.7	247.3	242.4	238.5	236.4	236.5
62.5°	258.3	257.7	254.2	257.1	251.6	246.9	241.7	237.1	233.9	231.2	230.2
63°	252.1	251.1	250.6	251.3	245.5	241.5	236.0	235.2	227.6	225.9	225.7
63.5°	246.2	245.2	243.7	245.3	240.0	235.7	230.9	226.8	223.0	220.7	220.5
64°	239.8	238.6	236.6	239.4	233.5	230.2	225.3	221.6	217.7	215.5	215.1
64.5°	234.1	233.3	231.0	233.6	228.6	224.7	220.1	215.5	212.6	210.7	210.4
65°	228.0	227.5	225.3	228.3	219.4	219.2	214.5	210.9	207.4	205.4	205.0
65.5°	222.1	221.4	219.1	221.9	216.9	213.8	209.1	205.9	202.4	200.5	200.1
66°	216.4	215.8	213.0	216.1	211.7	208.2	203.9	200.7	197.1	195.4	194.8



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	198.4	198.4	196.6	198.6	195.1	192.0	188.2	185.5	182.3	180.8	180.2
68°	192.9	192.1	191.0	193.0	189.4	186.8	183.3	180.7	177.7	175.9	175.7
68.5°	186.4	185.9	185.1	187.2	184.0	181.5	178.4	175.8	173.1	171.4	170.6
69°	180.8	180.5	179.4	181.7	178.6	176.3	173.9	170.9	168.0	166.8	166.3
69.5°	175.2	174.9	172.7	177.5	173.3	171.1	168.3	165.9	163.4	161.9	161.3
70°	169.7	169.2	166.8	170.5	167.8	166.1	163.6	161.3	159.4	157.4	156.8
70.5°	163.6	163.6	162.1	165.2	162.6	160.9	158.6	156.4	154.3	152.8	152.3
71°	157.7	157.5	156.6	159.4	157.4	155.9	153.9	151.9	149.8	148.5	147.7
71.5°	152.2	152.7	151.0	154.3	152.3	150.9	149.1	147.4	145.3	144.0	143.8
72°	146.7	146.8	146.1	149.2	147.1	146.1	144.4	142.6	140.9	139.6	139.7
72.5°	141.3	141.2	140.4	143.4	141.9	141.2	139.5	138.3	136.2	135.2	135.1
73°	135.7	135.7	134.9	138.2	137.0	136.3	135.1	133.7	132.1	130.8	130.3
73.5°	130.1	129.6	129.5	133.0	132.0	131.6	130.4	129.3	127.8	126.8	126.1
74°	124.7	124.7	124.1	127.5	127.0	126.8	126.0	125.1	123.6	122.5	121.8
74.5°	119.2	119.0	118.9	122.4	122.1	122.2	121.5	120.4	119.3	118.3	117.6
75°	113.8	113.9	113.8	117.2	117.3	117.6	116.9	116.3	115.4	114.3	113.7
75.5°	108.4	108.4	109.2	113.9	112.6	112.9	112.5	112.0	111.2	110.0	109.5
76°	103.2	103.6	103.3	107.3	107.7	108.5	108.0	108.2	107.1	106.6	105.5
76.5°	97.7	98.3	98.6	102.6	103.0	104.0	104.1	103.8	103.2	102.4	101.6
77°	92.7	93.0	93.6	97.0	98.5	99.6	99.8	99.9	99.2	98.4	97.7
77.5°	88.1	87.8	89.1	92.7	94.0	95.1	95.3	95.5	95.3	94.5	93.8
78°	82.7	83.3	83.8	88.0	89.6	90.9	91.9	91.9	91.4	90.8	90.1
78.5°	77.5	77.9	79.2	83.5	85.1	86.8	87.6	88.1	87.8	87.2	86.5
79°	73.1	72.9	74.6	78.7	80.8	82.7	83.6	84.2	84.0	83.7	83.0
79.5°	68.2	68.1	69.6	74.4	76.5	78.5	79.7	80.4	80.4	79.9	79.2
80°	63.3	63.7	65.4	70.1	72.3	74.7	75.9	76.9	77.1	76.6	75.9
80.5°	58.8	59.2	61.1	65.6	68.3	70.6	72.2	73.4	73.6	73.2	72.4
81°	54.2	54.6	56.8	61.4	64.2	66.9	69.3	69.9	70.4	70.0	69.2
81.5°	50.1	50.6	52.8	57.4	60.3	63.2	65.5	66.6	66.9	66.8	66.2
82°	46.1	46.7	49.0	53.3	56.5	59.6	62.0	63.3	63.8	63.7	63.0
82.5°	42.1	42.7	45.3	49.7	52.5	56.1	58.5	60.3	60.8	60.6	59.7
83°	38.1	38.7	41.5	46.1	49.3	52.4	55.2	57.0	57.7	57.7	57.0
83.5°	34.0	34.8	37.7	42.6	46.1	49.5	52.3	54.0	54.8	54.8	54.2
84°	30.3	31.3	33.9	39.0	43.0	46.6	49.6	51.4	52.3	52.8	51.7
84.5°	26.7	27.5	30.4	35.4	39.8	43.7	46.9	48.8	49.7	50.2	49.2
85°	23.3	24.1	27.0	32.2	36.6	40.9	44.1	46.2	47.2	47.6	46.7
85.5°	20.0	20.9	23.9	29.1	33.8	38.1	41.4	43.6	44.6	45.0	44.2
86°	17.0	17.8	20.9	26.2	31.0	35.4	38.7	41.0	42.1	42.4	41.7
86.5°	14.1	14.9	18.1	23.5	28.3	32.8	36.2	38.6	39.7	39.9	39.3
87°	11.4	12.2	15.5	20.9	25.8	30.3	33.8	36.2	37.4	37.7	37.0
87.5°	8.8	9.7	13.2	18.5	23.5	28.0	31.5	33.9	35.3	35.5	34.8
88°	6.4	7.5	11.0	16.3	21.3	25.7	29.3	31.8	33.0	33.4	32.7
88.5°	5.2	5.5	9.2	14.3	19.1	23.6	27.2	29.7	31.0	31.4	30.7



TEST NUMBER: P563521

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

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	18.0	21.4	24.0	25.4	25.7	25.1
90.5°	0.2	1.2	4.4	8.0	12.2	16.4	19.8	22.3	23.7	24.0	23.4
91°	0.1	0.8	3.5	6.8	10.9	14.9	18.2	20.7	22.0	22.4	21.9
91.5°	0.1	0.5	2.7	5.7	9.6	13.4	16.6	19.0	20.4	20.8	20.2
92°	0.1	0.4	1.9	5.0	8.4	12.1	15.2	17.6	18.9	19.4	18.9
92.5°	0.1	0.3	1.5	4.3	7.4	10.9	13.9	16.2	17.5	17.9	17.4
93°	0.1	0.3	1.2	3.5	6.4	9.7	12.6	14.9	16.2	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	14.9
94°	0.1	0.2	0.8	2.4	5.0	7.8	10.4	12.5	13.8	14.2	13.7
94.5°	0.1	0.2	0.7	2.0	4.4	7.0	9.5	11.4	12.7	13.1	12.7
95°	0.1	0.2	0.6	1.8	3.8	6.2	8.5	10.6	11.6	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	6.9	8.7	9.8	10.1	9.7
96.5°	0.2	0.2	0.5	1.3	2.5	4.5	6.3	7.9	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	8.5	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	6.9
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	6.0	5.8
99.5°	0.3	0.4	0.4	0.7	1.5	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	4.0	4.6	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	3.5	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	1.3	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	1.0	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: P563521

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

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°	1.3	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	1.3	1.3	1.3	1.3
116.5°	1.4	1.4	1.3	1.0	1.1	1.2	1.4	1.4	1.3	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°	1.3	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	1.3	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	1.5	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	1.3	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	1.6	1.5	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	1.5	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	1.5	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: P563521

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

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	1.6	1.6	1.7
135.5°	1.6	1.7	1.7	1.9	2.4	1.9	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	2.2	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	2.1	2.6	1.9	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°	1.6	1.7	1.8	1.7	2.2	2.7	2.0	1.9	1.8	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	1.6	1.9	1.6	2.2	2.6	2.2	2.0	1.9	1.9	1.9
141°	1.7	1.6	1.9	1.6	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	2.5	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	2.1	2.1	2.1
144°	1.7	1.8	1.9	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	1.8	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°	1.6	1.6	2.0	1.9	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	1.9	2.0	1.8	1.6	1.8	2.1	2.3	2.3	2.2
154°	1.7	1.6	1.9	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	1.8	1.7	1.7	1.9	2.1	2.1	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: P563521

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

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	1.6	1.6
158°	1.7	1.5	1.9	2.0	2.0	1.8	1.7	1.6	1.6	1.6	1.6
158.5°	1.7	1.5	1.8	2.0	2.0	1.8	1.7	1.6	1.6	1.6	1.6
159°	1.7	1.5	1.8	2.0	2.0	1.9	1.7	1.6	1.6	1.6	1.6
159.5°	1.7	1.5	1.8	2.0	2.0	1.9	1.8	1.7	1.6	1.6	1.6
160°	1.7	1.5	1.8	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	1.6	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	1.9	2.0	2.0	1.9	1.8	1.7	1.7	1.7
162.5°	1.5	1.5	1.8	1.9	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	1.9	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	1.8	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	1.9	1.9	1.9	1.9
166°	1.4	1.4	1.7	1.9	1.9	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	1.9	1.9
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	1.9	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	1.9	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	1.8	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	1.8	1.9	1.9	1.8
174°	1.1	1.1	1.2	1.2	1.2	1.6	1.7	1.8	1.8	1.9	1.7
174.5°	1.1	1.1	1.1	1.2	1.2	1.5	1.6	1.8	1.8	1.8	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: P563521

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

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: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
0.5°	786.0	789.4	791.1	788.4	789.3	787.4	789.2	789.1	791.2	772.7	797.3
1°	787.7	787.9	789.8	787.5	788.3	787.8	788.2	788.9	787.6	781.1	796.2
1.5°	787.0	788.3	791.1	788.1	787.7	785.9	789.0	788.9	784.1	782.7	799.0
2°	789.5	788.8	789.0	786.2	787.5	785.9	788.4	787.1	786.1	780.8	794.1
2.5°	787.0	787.2	785.9	786.0	786.8	786.0	787.0	785.8	786.5	781.2	794.1
3°	785.6	787.1	787.4	784.7	786.2	785.8	783.0	786.3	787.1	785.1	794.0
3.5°	784.3	775.9	785.2	784.9	784.8	784.1	785.0	785.1	783.7	778.3	793.0
4°	783.4	781.6	785.1	783.8	784.7	782.6	785.0	783.2	784.8	776.9	792.2
4.5°	783.8	785.8	784.5	782.7	783.8	784.4	783.2	782.7	783.4	774.2	796.2
5°	782.2	794.3	784.6	781.6	782.0	779.5	783.6	781.2	781.5	777.1	792.3
5.5°	781.6	782.7	783.9	780.6	780.7	779.3	783.3	781.0	783.1	775.5	789.4
6°	780.7	780.9	779.9	779.5	780.6	779.4	780.1	780.9	780.3	773.9	787.8
6.5°	779.0	779.8	780.0	778.3	778.4	777.6	778.7	777.5	778.7	773.2	787.7
7°	777.6	780.7	779.1	777.7	777.1	776.8	782.2	776.9	778.0	770.7	786.7
7.5°	776.0	776.7	777.3	775.8	776.0	774.8	785.0	775.8	776.3	770.5	784.0
8°	774.5	775.7	775.1	773.9	774.2	771.9	773.2	774.3	774.2	769.6	783.2
8.5°	773.1	773.8	773.1	772.7	772.2	770.1	773.4	771.4	772.7	769.0	780.4
9°	771.6	771.9	771.8	770.4	770.4	768.5	771.6	774.1	771.0	763.1	777.2
9.5°	769.7	770.4	770.2	768.1	769.1	766.8	769.9	767.1	769.6	765.9	780.9
10°	766.5	768.4	768.1	767.3	767.1	766.2	766.8	766.9	775.2	762.5	782.3
10.5°	765.7	766.7	766.1	764.9	764.9	764.3	765.2	765.2	765.9	759.6	773.1
11°	763.2	763.6	763.7	762.6	763.0	761.4	763.2	762.2	761.4	757.4	768.9
11.5°	761.1	762.1	762.1	761.0	760.6	760.5	758.2	760.0	759.5	754.7	769.2
12°	759.3	759.8	759.9	757.9	758.4	757.4	758.1	758.0	757.2	752.4	767.7
12.5°	757.0	756.9	757.2	755.3	755.9	755.7	755.3	759.7	758.1	752.6	767.8
13°	754.1	754.6	754.5	754.0	752.9	753.8	753.9	753.3	753.7	741.3	761.8
13.5°	751.5	751.8	752.3	750.5	751.2	750.1	751.7	750.6	750.8	748.7	760.7
14°	748.7	749.7	749.1	747.4	748.2	746.5	747.6	749.5	748.6	737.6	757.7
14.5°	746.5	746.2	745.2	745.3	745.7	744.3	745.2	746.5	746.0	734.3	755.2
15°	743.9	744.3	744.8	742.8	742.6	741.4	744.0	743.2	742.6	738.6	752.5
15.5°	740.6	740.9	740.6	739.8	739.6	738.0	740.6	739.6	740.4	736.3	752.6
16°	738.2	739.9	737.5	736.7	736.8	736.9	736.3	736.9	738.0	731.2	746.1
16.5°	734.3	733.7	734.8	732.4	733.9	733.9	732.7	733.7	733.5	730.6	742.7
17°	731.6	732.4	731.3	731.3	730.9	729.5	732.9	730.4	731.9	727.5	741.3
17.5°	728.8	729.4	729.9	727.3	727.7	725.7	729.0	732.0	727.7	721.9	735.9
18°	724.9	725.7	725.9	724.7	724.3	723.1	725.1	724.6	725.9	720.1	732.9
18.5°	721.5	722.3	724.0	702.8	721.1	719.8	720.1	719.4	721.9	717.1	730.7
19°	718.1	701.0	718.6	721.3	716.7	716.0	717.2	717.4	717.8	712.9	727.3
19.5°	714.8	716.5	714.3	715.8	713.1	712.7	714.5	712.9	714.9	709.7	723.1
20°	711.5	711.6	710.7	706.1	710.4	708.9	711.0	710.4	711.1	707.4	719.4
20.5°	707.5	707.3	707.7	706.3	706.2	705.3	707.3	705.5	708.8	701.9	717.2
21°	703.4	708.9	703.9	702.4	703.6	701.7	702.4	703.7	700.4	701.4	711.3



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	691.8	691.2	693.1	690.6	691.2	690.0	690.8	691.2	692.7	688.2	701.5
23°	688.5	688.0	686.9	686.4	687.6	685.9	688.6	687.4	688.7	684.1	696.4
23.5°	676.4	685.4	684.2	685.7	683.0	681.5	682.1	684.0	683.6	678.2	692.9
24°	678.5	683.1	680.3	678.7	679.4	677.4	679.3	678.8	682.8	672.0	688.7
24.5°	674.6	675.3	673.8	674.7	674.5	673.5	675.0	674.7	676.4	670.3	684.5
25°	670.6	670.4	670.8	670.3	670.4	669.0	670.0	670.4	671.8	665.3	679.7
25.5°	665.4	665.8	667.0	665.1	666.3	664.7	665.2	665.6	664.5	662.6	675.5
26°	661.3	662.2	663.1	661.3	661.3	660.1	661.3	662.8	662.6	657.0	670.4
26.5°	656.3	656.1	657.5	655.7	656.6	655.2	657.1	656.7	660.2	653.6	666.1
27°	652.2	651.5	650.4	653.0	652.3	650.5	652.4	653.3	651.1	648.8	661.6
27.5°	647.1	648.4	649.8	647.5	647.3	645.8	647.4	648.1	648.8	643.8	657.1
28°	642.1	643.6	643.2	642.6	643.0	642.1	642.2	642.9	645.8	639.2	651.8
28.5°	637.6	636.9	639.5	638.3	638.2	635.7	637.7	637.8	636.9	632.6	647.2
29°	632.7	632.2	632.8	632.9	633.2	634.6	632.6	637.2	632.4	628.9	641.1
29.5°	627.0	628.9	628.8	625.7	627.8	627.1	627.5	627.8	628.5	625.1	647.2
30°	613.6	622.5	623.0	622.4	623.1	621.9	623.1	623.1	624.3	620.3	627.7
30.5°	611.8	616.1	618.7	618.3	618.3	616.4	617.7	617.7	619.4	617.3	626.7
31°	609.2	613.4	612.7	612.4	613.3	611.7	612.5	613.2	613.9	609.8	622.1
31.5°	606.0	608.5	607.6	608.4	608.0	606.2	607.2	608.4	608.3	603.4	617.6
32°	601.6	601.6	602.2	603.2	602.6	601.3	602.0	602.1	603.5	599.5	612.0
32.5°	594.5	595.7	597.2	599.1	597.1	596.3	596.4	597.5	598.6	594.2	607.9
33°	589.0	589.3	591.4	591.2	592.0	590.9	591.7	591.5	592.7	588.1	601.1
33.5°	584.7	585.2	586.3	586.6	586.9	585.6	585.0	586.4	586.2	584.0	595.6
34°	578.2	577.6	582.3	580.9	581.4	579.8	581.3	581.8	581.9	578.6	590.0
34.5°	571.5	573.3	575.6	574.7	575.9	575.0	575.2	577.0	576.4	572.0	584.4
35°	566.1	567.6	569.5	569.0	570.4	568.7	569.8	569.3	571.2	567.9	578.8
35.5°	559.5	562.9	567.9	563.6	564.8	563.6	564.4	565.1	565.3	562.2	573.9
36°	554.3	555.8	559.7	558.9	559.0	558.8	558.9	560.2	558.1	557.1	567.9
36.5°	548.8	545.8	552.0	552.6	553.0	552.8	553.1	553.1	554.8	551.1	561.5
37°	540.1	544.4	546.4	547.4	547.9	547.0	547.4	548.0	546.5	545.7	555.9
37.5°	535.4	538.2	540.5	540.9	542.1	541.3	541.7	544.0	543.0	539.4	550.8
38°	531.0	528.9	535.0	535.6	535.9	534.6	535.9	535.8	541.9	534.9	545.5
38.5°	526.7	528.6	529.3	530.4	530.6	529.3	529.6	531.1	530.1	527.9	538.7
39°	516.2	522.9	523.7	524.0	524.8	523.8	524.8	524.9	530.1	523.2	532.7
39.5°	512.7	515.2	516.7	518.1	518.8	518.3	518.8	519.9	520.2	515.9	529.7
40°	503.3	507.4	510.8	512.0	513.1	512.0	513.0	514.2	514.5	510.8	519.7
40.5°	500.4	503.9	505.1	505.5	507.2	506.0	506.8	506.9	507.4	504.5	515.3
41°	492.7	495.5	498.0	496.8	501.1	499.9	500.9	501.1	502.6	496.7	506.0
41.5°	487.5	488.5	491.9	493.5	495.1	495.0	495.0	495.1	496.1	494.4	500.5
42°	480.1	484.3	487.4	488.3	489.5	488.2	488.9	491.2	490.7	488.4	497.1
42.5°	473.7	477.8	480.7	481.6	482.5	482.8	483.0	482.1	483.9	481.0	491.8
43°	467.3	469.9	473.1	476.7	477.1	476.4	476.7	477.3	474.2	476.0	485.2
43.5°	461.3	466.2	467.2	468.7	470.7	469.9	471.0	472.3	472.0	468.8	481.0



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	441.5	447.0	448.4	450.3	452.7	452.1	452.7	452.7	453.8	452.2	460.5
45.5°	435.6	440.5	443.5	446.5	446.6	445.3	446.8	447.0	448.6	444.7	455.4
46°	429.2	434.0	436.8	437.9	440.5	440.1	440.2	441.0	442.0	438.6	449.4
46.5°	422.1	427.1	430.8	432.5	434.0	434.1	435.2	435.0	435.8	432.1	440.3
47°	416.2	422.2	424.2	425.9	428.1	428.1	428.4	428.1	429.0	427.4	434.5
47.5°	410.5	414.3	418.3	424.8	421.9	421.8	422.4	422.8	423.4	421.6	430.2
48°	403.7	407.8	412.5	414.4	415.9	415.7	415.6	416.5	417.9	417.6	422.5
48.5°	397.2	402.2	406.2	407.4	409.7	409.7	411.2	410.8	411.7	407.7	416.6
49°	391.4	395.1	398.3	400.3	403.6	403.3	404.0	404.6	404.7	403.5	412.1
49.5°	385.0	388.6	393.9	398.3	397.5	397.8	398.0	398.3	399.1	397.9	405.1
50°	378.5	382.7	387.9	389.9	391.6	391.5	391.7	392.2	392.9	390.7	400.1
50.5°	372.2	376.5	381.4	382.2	385.3	385.7	385.6	386.4	386.4	386.5	391.7
51°	366.2	370.4	374.5	377.3	379.0	379.3	380.5	380.7	380.6	377.0	385.9
51.5°	359.2	363.9	368.7	370.6	373.1	372.7	375.3	374.0	374.5	372.1	379.6
52°	353.6	357.8	363.2	364.7	367.0	366.8	368.0	368.2	368.7	367.6	373.8
52.5°	347.8	351.6	357.4	360.5	361.0	361.5	361.4	361.9	362.1	359.7	367.2
53°	341.6	345.9	351.3	353.6	354.7	355.9	355.1	355.5	356.1	355.5	362.3
53.5°	335.6	339.6	344.9	346.5	348.5	349.7	349.1	349.6	349.6	348.4	355.6
54°	328.9	333.4	338.2	340.2	342.7	343.0	344.7	343.7	344.0	342.6	348.5
54.5°	323.8	327.3	331.4	335.1	336.4	336.6	337.5	337.4	338.1	336.3	344.7
55°	317.1	321.9	326.7	329.1	330.7	330.8	331.1	331.5	332.0	330.6	336.2
55.5°	311.5	315.5	319.6	324.1	324.6	324.7	324.2	325.0	326.7	324.2	331.6
56°	305.3	309.6	314.4	317.2	318.7	320.9	318.5	319.3	319.9	318.3	324.2
56.5°	299.7	303.9	308.2	311.0	312.7	313.0	314.0	313.2	314.2	313.0	318.3
57°	294.1	297.8	303.3	304.7	306.5	306.7	307.0	307.1	306.9	306.5	313.8
57.5°	288.0	291.9	295.8	298.7	300.7	299.9	300.3	301.0	301.8	302.1	307.3
58°	282.3	286.3	290.5	293.4	294.5	295.1	294.7	295.3	296.0	294.6	298.0
58.5°	276.4	280.0	284.8	287.7	288.7	289.9	288.9	290.2	289.6	288.7	294.4
59°	270.9	274.5	278.2	280.9	283.1	283.6	283.3	283.1	283.2	282.7	288.7
59.5°	265.4	266.4	273.8	274.8	277.1	276.8	276.6	277.3	277.4	276.7	283.5
60°	259.9	263.0	266.9	269.1	271.6	270.9	270.6	272.3	271.9	271.6	277.4
60.5°	254.2	257.5	262.7	263.2	265.3	266.3	265.5	265.3	265.7	265.7	271.3
61°	248.6	252.1	254.4	257.9	259.0	260.1	259.5	258.4	259.9	259.5	265.5
61.5°	243.3	246.6	250.8	251.9	253.4	253.3	253.3	253.6	254.5	254.2	258.2
62°	237.8	240.8	244.6	246.3	247.6	247.7	247.5	247.6	248.4	248.1	253.8
62.5°	232.6	235.4	238.7	240.3	242.6	242.3	241.7	242.0	243.3	242.3	246.9
63°	227.0	230.1	233.1	234.6	236.4	236.3	235.7	235.8	237.0	236.5	241.8
63.5°	221.9	224.6	227.7	228.4	230.6	230.1	230.1	229.9	231.1	230.8	235.8
64°	216.7	219.3	221.9	224.5	225.2	224.7	224.1	224.9	226.6	224.9	230.4
64.5°	211.4	214.0	216.9	220.0	219.4	219.2	218.4	219.7	219.7	219.6	225.2
65°	206.3	208.8	211.4	213.3	213.5	213.0	212.6	213.0	213.3	214.1	218.2
65.5°	201.4	203.5	206.0	207.5	207.9	207.4	207.7	207.2	208.5	208.2	212.8
66°	196.1	198.5	200.6	201.9	202.7	201.9	201.3	201.4	202.9	202.7	207.5



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	181.3	183.2	185.0	185.6	185.9	184.7	184.2	184.7	185.8	185.1	191.1
68°	176.6	178.2	179.7	181.1	180.6	179.5	178.8	178.9	180.2	180.7	185.6
68.5°	171.7	173.2	174.7	175.1	175.1	173.9	173.1	173.6	174.5	175.2	180.2
69°	166.9	168.3	169.7	170.0	169.7	168.5	167.6	167.9	168.9	169.3	175.1
69.5°	162.2	163.4	164.4	164.5	164.2	162.7	162.0	162.0	163.2	164.0	169.1
70°	157.5	158.7	159.4	159.6	159.4	157.7	156.4	156.8	157.6	158.4	164.0
70.5°	152.8	153.8	154.5	154.3	153.8	152.0	151.0	151.4	152.5	154.2	158.6
71°	148.1	149.2	149.6	149.5	148.5	146.9	145.9	145.7	147.5	148.2	153.1
71.5°	143.6	144.5	145.1	144.6	143.4	141.9	140.3	140.6	141.9	143.0	148.9
72°	139.3	139.9	140.2	139.7	138.1	136.1	135.1	135.1	136.6	137.8	143.1
72.5°	134.8	135.5	135.1	134.6	133.1	130.9	129.6	130.0	130.8	132.7	137.0
73°	130.4	130.7	130.9	129.8	128.0	125.8	124.3	125.0	125.8	127.8	132.6
73.5°	126.1	126.4	125.9	124.9	123.2	120.5	119.2	119.9	120.7	122.8	127.8
74°	121.7	121.8	121.5	120.1	118.1	115.2	113.8	114.8	115.7	117.9	123.0
74.5°	117.6	117.5	117.1	115.4	113.3	110.5	108.6	109.8	110.6	113.0	118.2
75°	113.5	113.3	112.4	110.8	108.4	105.4	103.5	104.6	105.9	108.0	113.4
75.5°	109.4	109.0	108.4	106.2	103.7	100.9	98.6	99.2	100.8	103.1	108.6
76°	105.2	104.8	104.7	101.7	98.9	95.6	93.6	94.1	95.7	98.6	103.7
76.5°	101.3	100.6	99.7	97.2	94.3	91.0	88.6	89.3	90.8	93.2	99.0
77°	97.3	96.6	95.3	92.9	89.7	86.3	83.8	84.3	86.3	88.5	94.4
77.5°	93.3	92.5	91.0	88.4	85.2	81.1	79.1	79.4	80.9	83.8	89.8
78°	89.5	88.6	87.0	84.0	80.8	76.9	74.4	74.6	76.5	79.2	85.5
78.5°	85.8	84.8	82.8	79.9	76.5	72.5	69.8	70.0	71.6	74.7	80.8
79°	82.1	80.9	78.8	75.9	72.1	68.1	65.2	65.3	67.1	70.2	76.8
79.5°	78.4	77.1	74.9	71.8	67.9	63.7	60.7	60.8	62.4	65.8	72.0
80°	75.0	73.5	71.0	67.7	63.7	59.5	56.3	56.1	58.2	61.5	67.2
80.5°	71.6	69.9	67.5	63.9	59.8	55.4	51.9	51.9	53.9	57.4	64.0
81°	68.2	66.4	63.8	60.2	55.9	52.1	48.1	47.8	49.8	53.4	59.6
81.5°	64.9	63.1	60.2	56.5	51.8	48.3	44.4	43.6	45.5	49.5	56.1
82°	61.8	59.8	57.0	52.8	48.4	44.5	40.7	39.5	41.7	45.6	51.8
82.5°	58.6	56.6	53.7	49.7	45.1	40.7	36.9	35.7	37.8	41.9	48.0
83°	55.7	53.6	50.8	46.6	41.7	36.9	33.2	32.1	34.1	38.0	44.4
83.5°	52.6	50.9	47.9	43.5	38.4	33.6	29.8	28.6	30.6	34.7	41.0
84°	50.1	48.2	45.0	40.4	35.2	30.2	26.4	25.2	27.3	31.4	37.7
84.5°	47.6	45.5	42.1	37.3	32.2	27.0	23.3	22.0	24.0	28.3	34.5
85°	45.1	42.8	39.3	34.5	29.2	23.9	20.1	18.9	20.9	25.2	31.4
85.5°	42.7	40.1	36.6	31.8	26.4	21.1	17.2	16.3	18.0	22.4	28.4
86°	40.2	37.6	34.1	29.1	23.8	18.4	14.4	13.8	15.7	19.5	25.7
86.5°	37.8	35.2	31.5	26.7	21.3	15.9	11.9	11.2	13.3	17.0	23.0
87°	35.5	32.9	29.1	24.4	19.1	13.7	9.6	8.6	10.9	15.0	20.5
87.5°	33.3	30.7	27.0	22.2	16.9	11.6	7.5	6.0	8.5	12.9	18.1
88°	31.2	28.6	24.9	20.2	14.9	9.7	5.6	4.1	6.2	10.9	16.1
88.5°	29.2	26.5	22.8	18.3	13.1	8.1	4.5	2.6	4.5	8.8	14.2



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	23.6	21.1	17.6	13.2	8.7	4.6	1.3	0.2	1.4	4.2	8.4
90.5°	22.0	19.5	16.0	11.8	7.4	3.8	0.9	0.2	0.9	3.2	7.1
91°	20.4	17.9	14.5	10.5	6.4	3.0	0.6	0.2	0.7	2.5	5.8
91.5°	18.9	16.4	13.2	9.3	5.4	2.2	0.5	0.1	0.5	2.0	4.8
92°	17.4	15.1	11.9	8.2	4.8	1.8	0.4	0.1	0.4	1.6	4.0
92.5°	16.0	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	9.6	6.3	3.5	1.2	0.2	0.1	0.4	1.2	2.9
93.5°	13.6	11.4	8.7	5.6	2.8	1.0	0.2	0.1	0.4	1.1	2.5
94°	12.5	10.4	7.8	5.0	2.4	0.8	0.2	0.1	0.4	1.1	2.3
94.5°	11.4	9.5	6.9	4.5	2.1	0.7	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	3.3	1.6	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	3.6	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	3.4	2.6	1.6	0.8	0.4	0.4	0.4	0.3	0.9	1.6
100.5°	4.0	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	0.4	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	1.9	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	2.4	1.8	1.0	0.7	0.6	0.7	0.7	0.6	0.8	1.6
104°	2.8	2.3	1.7	1.0	0.7	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	1.0	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	1.0	1.3



TEST NUMBER: P563521

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

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°	1.3	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	1.3	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	1.3	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	1.3	1.5	1.5	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	1.5	1.6	1.4	1.3	1.6	1.4
123°	1.2	1.2	1.3	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	1.8	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°	1.3	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	1.6	1.7	1.5	1.4	1.6	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	1.6	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	1.9	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	1.8
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	1.5	1.9
132.5°	1.6	1.7	1.8	2.1	1.9	1.6	1.7	1.5	1.5	1.5	1.9
133°	1.6	1.7	1.8	2.2	1.9	1.6	1.7	1.5	1.5	1.5	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: P563521

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

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	1.6	1.8	1.6	1.6	1.6	1.9
135.5°	1.7	1.8	1.9	2.5	1.9	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	1.5	1.6	1.6	1.9
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	1.9	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	1.6	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	2.2	1.7	1.9	1.9	1.7	1.7	1.9	1.8
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	2.5	2.4	2.3	1.7	1.9	1.9	1.7	1.7	1.9	1.8
142.5°	2.2	2.6	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	1.9	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°	2.7	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°	2.5	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	1.9
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	1.9
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	1.6	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	1.6	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: P563521

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	1.6	1.6	1.8	1.9	2.0	1.9	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	1.9	1.9	1.8	1.6	1.4	1.6	2.0
159°	1.6	1.7	1.8	1.9	2.0	1.9	1.8	1.7	1.4	1.6	2.1
159.5°	1.7	1.7	1.8	2.0	2.0	1.9	1.8	1.7	1.4	1.7	1.9
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	1.9	1.9	1.9	1.6	1.5	1.6	1.5	1.8	2.0
163°	1.8	1.9	2.0	1.8	1.9	1.6	1.6	1.5	1.5	1.7	2.0
163.5°	1.8	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	1.9
165°	1.9	2.0	1.9	2.0	1.6	1.7	1.6	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°	1.9	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	1.9	1.9	1.6	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°	1.9	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: P563521

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

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: P563521

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
0.5°	789.7	788.4	788.6	792.6	789.9	788.9	787.9	788.4	790.0	789.6	788.4
1°	791.9	787.9	788.6	789.7	790.2	790.1	787.5	787.7	789.1	787.8	788.4
1.5°	788.3	788.3	787.9	789.3	789.6	788.0	788.0	789.0	789.1	789.7	788.2
2°	787.2	787.6	787.9	789.4	789.6	791.7	787.5	786.8	789.6	789.6	789.9
2.5°	787.2	787.2	787.1	791.2	788.9	788.8	787.7	787.8	789.2	791.1	788.3
3°	786.4	786.8	786.8	788.1	788.1	788.4	786.1	787.4	789.2	789.9	787.8
3.5°	785.5	786.2	786.2	786.6	787.5	787.0	787.2	786.6	788.0	788.6	786.6
4°	785.0	784.9	785.9	787.9	786.6	786.8	786.3	786.2	787.6	787.0	787.2
4.5°	783.7	784.1	784.7	788.3	787.4	787.1	786.1	785.7	787.0	787.2	786.3
5°	782.4	783.7	784.0	785.3	786.2	784.0	784.9	784.8	786.6	786.7	785.3
5.5°	781.7	782.3	782.5	788.5	784.5	786.3	783.1	784.2	785.4	786.4	785.0
6°	780.6	781.0	781.4	783.8	783.3	782.5	783.8	783.5	784.9	785.3	785.1
6.5°	779.7	779.8	780.5	781.5	782.3	781.2	782.3	782.4	783.4	784.5	783.4
7°	778.1	778.5	779.7	781.1	780.8	781.5	780.6	780.6	783.2	783.8	782.5
7.5°	776.6	777.5	777.9	779.1	780.0	782.1	780.2	780.0	781.4	781.9	781.0
8°	775.5	776.0	776.5	778.7	778.4	778.5	776.8	778.5	780.6	781.1	780.2
8.5°	774.2	773.9	775.0	776.5	777.4	774.3	776.2	776.9	779.1	779.5	778.5
9°	771.9	772.3	773.2	774.4	774.1	776.1	773.7	775.8	777.9	778.1	777.2
9.5°	770.0	770.8	771.3	773.8	773.2	775.2	772.9	774.1	776.3	777.8	776.1
10°	768.7	769.2	769.1	772.1	771.8	771.7	771.9	772.9	774.3	778.8	774.8
10.5°	766.5	766.5	768.0	770.0	769.9	769.8	770.2	770.5	772.9	775.2	772.8
11°	764.3	764.9	766.0	769.2	770.1	767.9	769.5	768.8	770.9	787.2	770.8
11.5°	762.0	762.8	763.6	768.1	766.2	765.6	767.4	766.9	769.2	769.2	767.9
12°	759.5	760.6	761.4	763.2	764.3	763.6	764.8	765.2	767.3	767.5	767.0
12.5°	757.9	758.5	759.8	760.1	761.6	760.6	762.3	763.6	764.6	765.6	764.9
13°	755.2	756.3	757.4	759.2	758.8	762.5	761.2	760.8	762.7	763.5	764.5
13.5°	753.1	753.4	754.3	763.5	758.7	754.6	756.6	759.6	760.4	761.6	760.7
14°	749.8	751.0	751.8	753.9	754.9	752.7	755.5	756.2	757.9	759.0	758.6
14.5°	747.5	748.5	748.9	751.5	752.7	754.3	752.0	753.0	755.9	756.2	756.2
15°	745.2	746.1	746.6	748.8	753.5	754.2	749.9	751.4	753.4	754.5	753.6
15.5°	742.6	742.7	743.7	744.3	745.5	747.3	746.9	748.8	750.8	751.4	751.6
16°	738.9	739.8	741.0	745.8	742.8	746.1	744.5	745.6	747.8	749.3	748.0
16.5°	736.5	737.0	737.7	739.9	740.0	743.7	741.5	743.4	744.8	746.0	745.1
17°	733.6	734.2	735.0	737.8	737.7	739.0	738.9	740.0	741.6	743.4	742.6
17.5°	730.2	730.8	731.5	735.6	734.4	734.0	735.6	736.1	739.1	739.9	740.6
18°	726.7	727.5	728.9	729.3	730.9	732.8	732.9	733.5	735.7	737.2	737.8
18.5°	723.5	724.6	725.3	727.9	729.2	729.0	729.1	730.3	732.6	734.5	734.1
19°	719.9	721.1	722.0	726.3	724.9	723.5	725.2	728.3	729.1	730.6	730.8
19.5°	717.4	717.2	718.5	719.5	720.7	722.0	722.9	719.7	726.1	727.3	728.3
20°	713.0	713.9	714.9	717.3	716.7	718.4	718.6	718.8	722.6	724.4	724.6
20.5°	709.3	710.5	711.0	713.5	714.3	714.2	715.1	717.0	719.0	721.0	720.9
21°	705.2	706.3	707.4	709.9	707.9	709.1	710.8	714.5	714.3	717.0	717.3



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	694.0	694.7	695.7	695.5	698.0	698.8	699.6	700.5	705.0	705.6	706.7
23°	690.2	690.8	691.8	691.0	693.2	694.9	695.7	696.4	700.2	702.0	701.9
23.5°	685.9	686.7	687.2	689.8	688.9	691.1	691.4	693.2	696.2	698.3	698.8
24°	681.6	682.6	683.3	686.0	686.7	686.6	687.7	689.4	692.1	694.3	694.7
24.5°	677.2	678.1	678.7	684.0	680.7	678.5	683.2	685.5	688.1	689.7	690.9
25°	672.9	673.5	674.3	676.1	675.3	679.1	678.8	681.0	683.4	685.9	686.2
25.5°	668.4	669.5	669.9	670.9	673.0	673.5	673.8	676.0	679.4	681.8	682.9
26°	664.4	664.9	665.7	666.4	668.0	668.0	670.1	671.9	673.9	677.3	677.4
26.5°	659.9	660.4	660.5	662.2	662.7	663.7	666.2	666.2	670.4	672.5	674.0
27°	655.0	655.5	656.4	658.3	658.0	658.4	660.0	662.4	660.4	668.3	668.7
27.5°	650.7	650.4	651.1	653.4	653.4	653.8	656.9	657.7	661.4	663.3	665.2
28°	645.2	645.7	646.4	647.0	647.0	648.8	649.7	654.0	656.1	658.8	660.2
28.5°	640.8	641.0	641.9	641.5	643.1	646.6	644.1	647.1	651.2	654.9	655.0
29°	635.6	636.4	637.0	641.0	637.6	639.2	638.7	645.2	647.3	650.1	650.7
29.5°	630.7	631.1	631.7	632.3	633.8	633.7	636.1	638.3	641.7	644.9	645.2
30°	625.9	625.9	626.3	628.5	627.6	628.4	630.2	629.3	636.6	639.9	640.9
30.5°	620.6	620.9	621.2	622.6	622.4	622.0	625.0	627.9	631.7	634.6	636.0
31°	615.3	615.8	616.2	616.6	617.1	617.6	618.0	624.0	626.4	629.8	633.7
31.5°	610.6	610.8	610.6	611.6	610.7	613.9	613.5	615.3	620.8	624.1	625.9
32°	605.2	605.5	605.5	607.2	606.8	606.3	608.1	613.2	616.1	619.5	620.9
32.5°	600.2	599.9	599.9	600.7	600.4	601.5	603.1	605.9	610.5	614.5	616.2
33°	594.5	594.8	594.6	594.2	594.7	593.2	597.1	601.5	605.1	608.9	610.5
33.5°	589.2	589.0	588.5	589.0	589.8	586.0	591.4	594.1	599.5	603.5	605.1
34°	583.7	583.2	583.0	583.8	583.6	589.6	585.1	589.9	594.2	597.6	599.4
34.5°	578.6	578.3	577.8	578.4	577.0	576.9	580.2	584.2	588.5	592.3	594.0
35°	572.7	572.3	571.9	572.7	571.6	568.2	574.9	576.5	582.7	586.7	589.3
35.5°	567.2	566.7	566.0	566.8	565.8	567.8	569.0	572.1	577.3	581.1	583.4
36°	561.4	561.0	560.3	562.0	560.3	562.0	562.2	565.0	571.3	575.7	578.4
36.5°	556.6	555.7	554.8	554.8	553.5	552.9	557.9	560.2	565.6	570.3	572.4
37°	550.1	549.9	548.6	547.5	546.8	548.1	549.6	554.7	559.4	564.4	566.8
37.5°	544.2	543.6	542.4	542.5	542.5	542.0	544.6	548.3	553.3	558.4	561.9
38°	538.4	537.8	536.8	536.9	535.1	534.7	537.9	542.8	547.8	552.4	554.4
38.5°	532.7	531.9	530.8	530.7	529.4	529.5	532.0	536.5	541.8	546.5	549.2
39°	527.0	525.9	524.7	526.1	522.7	522.3	525.3	530.3	535.8	540.8	543.8
39.5°	521.2	520.3	518.5	517.5	517.0	519.8	518.8	524.4	529.7	534.6	537.7
40°	514.9	513.8	512.3	511.3	510.8	511.2	512.5	518.0	523.5	529.0	531.1
40.5°	509.1	508.2	506.3	505.7	503.8	505.3	506.3	511.3	517.0	522.4	525.7
41°	503.2	501.9	499.9	498.9	501.9	498.8	500.6	504.7	511.1	516.8	520.2
41.5°	497.5	495.8	494.0	497.9	492.0	491.5	494.7	498.2	505.3	510.4	514.2
42°	491.2	490.0	487.9	486.5	484.4	485.9	487.8	492.0	499.1	504.2	507.6
42.5°	485.0	483.5	481.6	479.7	478.4	480.2	481.3	485.9	492.8	498.0	501.7
43°	478.9	477.5	475.4	473.0	473.0	472.3	475.3	479.7	486.1	492.0	496.3
43.5°	473.1	471.5	469.1	467.8	465.9	465.6	468.8	472.6	479.7	485.6	489.6



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	454.7	452.7	450.1	449.8	447.6	447.0	449.6	455.6	461.5	467.0	470.9
45.5°	448.4	446.5	444.2	442.4	440.4	440.7	442.7	447.0	454.9	461.0	465.5
46°	442.5	440.3	437.8	435.6	434.5	434.4	435.9	443.8	448.5	454.9	458.6
46.5°	436.1	433.8	431.7	430.7	428.2	427.9	430.4	436.4	442.1	448.6	452.4
47°	430.1	427.9	425.0	423.0	419.8	421.6	423.8	430.7	435.8	442.1	446.1
47.5°	424.1	421.7	419.0	415.9	415.5	415.2	417.4	423.6	429.5	435.8	440.1
48°	417.7	415.7	412.6	411.0	408.9	408.9	411.5	415.6	423.2	429.4	434.0
48.5°	411.6	409.3	406.5	403.8	401.8	402.4	405.0	408.9	416.8	423.4	429.0
49°	405.2	403.4	400.1	398.5	393.6	396.4	398.2	403.9	410.6	416.8	421.1
49.5°	399.3	397.0	393.9	391.7	390.0	389.8	391.8	395.8	404.3	410.9	415.9
50°	392.9	390.7	387.8	385.5	383.3	383.7	385.9	390.8	398.1	404.3	407.2
50.5°	386.8	384.5	381.7	379.2	376.6	377.3	379.4	385.4	391.7	397.9	402.1
51°	380.9	378.2	375.5	373.1	371.2	371.2	373.2	377.0	385.5	391.8	396.2
51.5°	375.1	372.2	369.2	366.6	364.6	364.8	367.3	372.2	379.0	385.4	390.3
52°	368.3	366.2	363.1	361.0	358.6	358.9	361.1	364.5	373.0	379.6	384.2
52.5°	362.4	359.9	356.8	354.5	352.3	352.7	354.9	358.8	366.5	373.0	377.7
53°	355.6	353.8	350.9	348.7	346.2	346.7	348.7	354.1	360.7	366.9	371.2
53.5°	338.8	347.6	344.9	341.6	339.8	340.4	342.6	347.2	354.0	360.7	365.3
54°	344.1	341.8	338.7	334.7	334.1	334.7	336.8	342.1	348.2	354.6	359.2
54.5°	337.6	335.7	332.7	331.5	328.5	328.6	330.9	336.5	342.1	348.3	352.7
55°	331.6	329.8	326.6	324.6	321.8	322.9	324.7	328.8	335.9	342.2	346.9
55.5°	326.4	323.9	320.8	318.5	315.6	316.8	318.8	324.1	329.9	336.2	341.0
56°	319.3	317.9	314.8	312.1	310.4	310.7	313.1	317.8	323.8	330.3	334.4
56.5°	314.1	311.8	309.0	306.5	305.0	305.1	307.3	312.0	318.0	324.1	328.5
57°	307.9	306.0	303.0	301.7	300.3	299.0	301.2	306.1	312.0	318.3	322.2
57.5°	303.3	299.8	297.2	294.9	293.5	293.5	295.8	300.3	306.1	312.1	316.3
58°	296.6	294.2	291.4	289.1	288.6	287.5	290.0	294.2	300.3	306.0	310.3
58.5°	290.7	288.5	285.8	283.6	283.7	282.2	284.2	288.5	294.2	300.2	304.4
59°	284.7	282.6	280.0	277.3	272.5	276.3	278.7	283.0	288.6	294.3	298.4
59.5°	278.9	276.8	274.5	272.3	270.2	270.9	273.5	277.2	282.9	288.4	292.4
60°	272.9	270.8	268.7	267.0	265.2	265.2	267.4	271.4	277.2	282.4	286.1
60.5°	269.0	265.5	263.4	261.1	259.5	259.8	262.2	266.2	271.6	276.6	280.5
61°	261.2	259.8	257.6	255.5	254.3	254.5	256.6	260.5	265.9	271.3	274.4
61.5°	257.6	254.3	252.2	250.6	248.7	249.2	251.0	255.2	260.1	265.2	268.8
62°	250.0	248.4	246.3	244.5	243.3	243.8	245.8	249.4	254.4	259.6	263.0
62.5°	244.3	242.9	241.0	239.6	238.9	238.4	240.3	244.0	248.9	253.7	256.8
63°	239.0	237.3	235.7	233.8	232.6	233.4	235.1	238.4	243.6	248.2	251.0
63.5°	233.1	232.0	230.4	228.4	227.7	227.8	229.8	233.1	238.0	242.7	245.7
64°	227.8	226.6	225.0	223.4	222.5	222.9	224.6	227.9	232.4	236.9	239.8
64.5°	221.9	221.1	219.7	218.1	217.8	217.7	219.7	222.7	227.0	231.4	234.1
65°	216.5	215.7	214.4	213.4	212.7	212.9	214.4	217.7	222.0	226.1	228.6
65.5°	211.3	210.3	209.2	208.4	207.3	207.5	209.1	212.5	216.7	220.3	222.8
66°	205.8	205.0	203.9	202.8	202.1	202.8	204.1	207.4	211.3	214.8	217.4



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	189.8	189.3	188.7	188.1	187.9	188.2	189.5	192.2	195.8	199.0	200.2
68°	184.9	184.3	183.8	183.7	182.9	183.2	184.6	187.2	190.7	193.7	195.4
68.5°	179.0	179.2	179.0	178.3	178.0	178.5	179.8	182.5	185.7	188.4	189.7
69°	173.9	174.0	173.7	173.4	173.2	173.7	175.0	177.6	180.7	183.2	184.1
69.5°	168.5	169.0	168.9	168.7	168.8	169.1	170.5	172.8	175.8	178.2	178.9
70°	164.2	164.1	164.2	163.9	163.8	164.4	165.7	168.0	170.7	173.0	173.9
70.5°	158.0	159.2	159.5	159.2	159.0	159.9	161.5	163.5	165.9	167.9	168.3
71°	152.9	154.3	154.7	154.9	155.0	155.5	156.8	158.5	161.0	162.9	163.6
71.5°	148.5	149.4	149.9	150.1	150.5	150.9	152.4	154.0	156.5	157.9	158.1
72°	143.6	144.5	145.2	145.5	145.9	146.5	147.7	149.5	151.5	152.9	153.4
72.5°	138.4	139.9	140.7	141.4	141.6	142.1	143.2	144.9	146.9	148.2	148.1
73°	133.4	135.2	136.1	136.9	136.9	137.8	139.1	140.3	142.1	143.2	143.3
73.5°	129.0	130.5	131.7	132.4	133.1	133.5	134.5	136.0	137.7	138.5	137.9
74°	124.5	126.3	127.5	128.0	129.2	129.4	130.2	131.7	133.1	133.8	133.3
74.5°	120.0	122.1	123.3	124.0	125.1	125.4	126.2	127.3	128.5	129.1	128.6
75°	115.5	117.9	119.1	120.0	121.0	121.4	122.2	123.3	124.3	124.7	123.9
75.5°	110.9	113.6	114.8	115.9	116.9	117.4	118.2	119.3	120.1	120.3	119.2
76°	102.0	109.4	110.6	111.9	112.9	113.5	114.2	115.3	115.9	115.8	114.6
76.5°	102.1	104.3	106.3	107.6	108.8	109.5	110.2	111.3	111.7	111.4	109.9
77°	96.7	100.2	102.2	104.0	104.7	105.6	106.3	107.0	107.5	107.1	105.2
77.5°	92.8	95.5	98.1	100.2	100.9	101.7	102.5	103.0	103.2	102.6	100.5
78°	88.6	90.9	94.0	96.0	97.1	97.9	98.5	98.7	99.1	98.1	95.9
78.5°	84.2	87.5	90.1	92.1	93.3	94.1	94.7	95.1	95.1	94.0	91.6
79°	79.8	84.2	86.2	88.2	89.4	90.4	91.0	91.2	90.8	89.7	87.2
79.5°	75.7	79.3	82.5	84.6	85.9	86.8	87.3	87.6	87.0	85.5	82.6
80°	71.6	75.9	78.7	80.9	83.0	83.2	83.8	83.8	83.2	81.6	78.7
80.5°	68.2	71.7	75.1	77.5	79.0	79.8	80.2	80.2	79.4	77.6	74.3
81°	63.8	67.8	71.5	74.1	75.5	76.4	76.7	76.6	75.7	73.6	70.5
81.5°	60.0	64.4	68.0	70.5	71.9	73.0	73.3	73.0	72.0	69.9	66.2
82°	56.5	61.9	64.6	67.2	69.0	69.7	70.1	69.6	68.4	66.1	62.4
82.5°	53.0	57.4	61.2	64.1	65.4	66.4	66.6	66.3	65.0	62.6	58.6
83°	49.5	54.1	57.9	60.7	62.2	63.2	63.5	63.0	61.6	58.9	54.9
83.5°	46.2	50.9	54.7	57.5	59.3	60.1	60.4	59.7	58.2	55.5	51.4
84°	43.4	47.7	51.6	54.5	56.5	57.2	57.4	56.7	55.0	52.2	48.0
84.5°	39.8	44.8	48.6	51.5	52.8	54.2	54.2	53.5	51.8	49.0	44.5
85°	36.8	41.6	45.6	48.5	50.3	51.2	51.3	50.5	48.7	45.7	41.2
85.5°	33.9	38.7	42.7	45.6	47.5	48.4	48.5	47.6	45.8	42.7	38.1
86°	31.0	36.0	40.0	43.0	44.7	45.7	45.7	44.8	42.8	39.6	35.1
86.5°	28.3	33.2	37.2	40.2	42.1	43.0	42.9	42.2	40.0	36.8	32.5
87°	25.8	30.7	34.7	37.8	39.5	40.4	40.4	39.4	37.3	34.0	29.5
87.5°	23.3	28.2	32.2	35.1	37.1	37.9	37.8	36.8	34.7	31.4	26.8
88°	21.0	25.8	29.8	32.7	34.6	35.4	35.4	34.3	32.1	28.7	24.2
88.5°	18.8	23.5	27.4	30.4	32.3	33.1	33.0	31.9	29.7	26.3	21.8



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	13.4	17.3	21.1	24.1	25.7	26.5	26.4	25.1	23.0	19.7	15.7
90.5°	11.8	15.6	19.2	22.0	23.8	24.6	24.4	23.3	21.0	17.7	14.1
91°	10.1	14.2	17.4	20.1	21.9	22.6	22.4	21.3	19.0	15.8	12.5
91.5°	8.5	12.7	15.7	18.4	20.1	20.8	20.6	19.4	17.3	14.4	10.9
92°	7.3	11.3	14.4	16.7	18.4	19.0	18.8	17.7	15.6	12.9	9.2
92.5°	6.3	9.9	13.0	15.2	16.7	17.5	17.2	16.0	14.2	11.5	7.6
93°	5.4	8.4	11.7	14.0	15.3	15.9	15.7	14.6	12.9	10.1	6.6
93.5°	4.7	7.4	10.3	12.7	14.1	14.5	14.3	13.4	11.6	8.6	5.7
94°	4.1	6.5	9.0	11.5	12.9	13.4	13.2	12.2	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	11.1	11.0	9.9	8.0	6.0	3.9
95.5°	3.1	4.7	6.5	8.2	9.3	10.0	9.8	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	7.7	8.1	7.9	7.2	5.9	4.4	3.1
97°	2.7	3.8	5.0	6.2	7.1	7.4	7.3	6.6	5.5	4.1	3.0
97.5°	2.6	3.7	4.7	5.8	6.5	6.8	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	5.7	6.0	5.9	5.4	4.6	3.7	2.7
99°	2.5	3.4	4.2	5.0	5.5	5.7	5.6	5.1	4.4	3.6	2.6
99.5°	2.4	3.3	4.1	4.8	5.3	5.5	5.4	5.0	4.3	3.5	2.6
100°	2.4	3.2	4.0	4.7	5.2	5.3	5.2	4.9	4.2	3.4	2.5
100.5°	2.4	3.2	4.0	4.6	5.0	5.2	5.1	4.7	4.1	3.3	2.5
101°	2.4	3.1	3.9	4.5	4.9	5.1	5.0	4.6	4.0	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	2.4
102°	2.3	3.0	3.7	4.3	4.7	4.9	4.8	4.5	3.9	3.2	2.4
102.5°	2.3	3.0	3.7	4.3	4.6	4.8	4.7	4.4	3.8	3.1	2.4
103°	2.2	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	3.6	3.0	2.3
104.5°	2.2	2.9	3.5	4.0	4.3	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	4.2	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	4.0	3.8	3.3	2.8	2.2
108°	2.1	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	4.0	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	3.6	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	3.5	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: P563521

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

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	2.4	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	3.2	3.5	3.5	3.5	3.2	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°	1.5	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	3.1	2.8	2.1	1.4
117°	1.5	2.2	2.8	3.1	3.3	3.4	3.3	3.1	2.7	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	3.2	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	2.2	1.6	1.1
121°	1.2	1.7	2.2	2.8	3.0	3.1	3.0	2.7	2.1	1.6	1.0
121.5°	1.2	1.7	2.1	2.7	2.9	3.0	2.9	2.6	2.1	1.5	1.0
122°	1.2	1.6	2.1	2.6	2.8	2.9	2.8	2.5	2.0	1.5	1.0
122.5°	1.2	1.6	2.0	2.5	2.8	2.8	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	1.5	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	2.1	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	1.6	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	1.5	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°	1.5	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	1.3	1.4
132°	1.6	1.5	1.3	1.3	1.5	1.6	1.5	1.2	1.3	1.4	1.4
132.5°	1.7	1.5	1.3	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: P563521

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

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	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.6	1.8
136°	2.2	1.7	1.5	1.4	1.3	1.3	1.3	1.4	1.5	1.6	1.9
136.5°	2.2	1.7	1.5	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	1.6	1.9
137.5°	2.0	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.5	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	1.5	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	1.6	1.6	1.6	1.7	1.8	2.2	1.8
142°	2.1	2.1	1.9	1.8	1.7	1.6	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	1.8
143.5°	2.1	2.1	2.2	1.8	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	1.9	2.2	2.0	1.9
145.5°	2.0	2.1	2.1	2.2	1.9	1.8	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	2.2	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°	1.8	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	1.9	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	1.9	1.8
152.5°	1.8	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.8
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	1.8	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	1.9
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: P563521

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

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	1.9	1.8	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	1.8	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	1.9	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	1.9	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	1.9	2.0	2.1	2.1	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	1.8	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1
164°	2.0	2.1	1.8	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	2.1	2.2	2.1
166°	2.0	1.6	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°	1.9	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	2.1	2.1	2.0
168°	1.8	2.0	1.9	2.1	2.1	2.1	2.1	2.1	2.1	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°	1.3	1.8	1.7	2.1	1.9	2.1	2.1	2.1	2.1	2.1	1.9
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	1.3	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	1.3	1.4	1.8	1.8	2.0	2.0	1.9	1.9	1.7
173.5°	1.3	1.3	1.3	1.4	1.8	1.8	2.0	1.9	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	1.6	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: P563521

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

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: P563521

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	788.7	788.7	788.7	788.7
0.5°	789.2	787.8	785.4	788.8
1°	788.7	788.2	790.5	789.3
1.5°	789.3	787.7	788.5	788.3
2°	788.7	787.7	788.3	788.5
2.5°	789.0	787.2	789.2	788.0
3°	788.2	787.3	787.8	788.9
3.5°	788.4	786.7	787.8	788.3
4°	787.5	785.9	788.8	787.6
4.5°	786.7	786.6	786.2	786.3
5°	786.8	785.4	786.8	786.3
5.5°	785.9	784.7	784.7	785.3
6°	785.7	785.1	786.1	784.5
6.5°	783.8	782.5	784.0	782.7
7°	782.6	781.9	783.2	782.9
7.5°	781.2	781.5	782.6	781.3
8°	780.2	778.9	780.4	779.8
8.5°	779.2	778.4	778.9	778.6
9°	778.1	776.9	777.5	777.8
9.5°	776.2	776.3	777.4	775.1
10°	774.8	773.9	776.9	775.7
10.5°	773.4	772.2	767.7	773.3
11°	771.4	771.0	770.9	770.9
11.5°	769.8	768.0	772.6	770.3
12°	767.8	766.6	772.8	767.1
12.5°	765.6	765.0	762.4	764.9
13°	764.1	763.0	763.2	762.3
13.5°	761.4	761.1	763.5	761.4
14°	759.4	757.7	759.0	757.7
14.5°	757.0	756.1	758.9	755.2
15°	754.0	754.1	756.8	756.2
15.5°	751.9	750.5	748.4	750.5
16°	749.6	747.9	747.5	749.0
16.5°	747.2	745.5	750.4	744.1
17°	743.8	741.7	742.9	744.0
17.5°	740.5	739.7	742.7	740.3
18°	738.2	737.4	739.3	737.7
18.5°	735.4	733.0	734.6	734.4
19°	731.7	731.6	731.8	730.9
19.5°	728.5	726.9	728.5	727.5
20°	725.5	723.5	726.2	725.0
20.5°	722.5	721.2	721.5	721.0
21°	718.6	718.4	719.5	717.9



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	707.8	706.3	711.5	707.2
23°	703.9	703.1	704.1	703.7
23.5°	700.1	700.0	702.7	702.5
24°	695.4	694.4	695.3	696.5
24.5°	691.8	691.2	691.9	701.2
25°	687.5	686.2	687.3	688.7
25.5°	683.5	682.9	684.0	682.7
26°	679.2	677.1	679.9	678.0
26.5°	675.6	675.3	675.0	674.6
27°	671.0	670.4	671.5	669.3
27.5°	666.4	665.2	666.8	664.7
28°	661.9	661.1	661.9	662.6
28.5°	656.9	656.3	657.7	661.9
29°	652.5	651.4	653.1	648.5
29.5°	647.6	647.6	648.2	648.0
30°	642.6	641.9	643.0	641.4
30.5°	637.9	637.8	638.1	637.6
31°	633.0	632.9	633.6	630.9
31.5°	627.9	626.7	628.6	627.7
32°	622.8	623.2	623.5	619.9
32.5°	617.7	618.3	618.6	618.6
33°	612.8	610.8	613.1	611.5
33.5°	607.6	607.7	608.2	605.5
34°	601.8	602.7	602.9	599.9
34.5°	596.5	596.9	597.6	597.5
35°	591.2	591.5	592.1	591.1
35.5°	586.0	585.9	586.0	585.1
36°	580.2	580.6	583.3	580.2
36.5°	574.8	574.2	574.7	574.4
37°	569.0	569.0	570.3	569.1
37.5°	563.2	563.0	563.8	561.7
38°	557.6	557.6	559.0	554.1
38.5°	552.3	552.4	551.3	549.1
39°	546.3	547.1	547.1	543.4
39.5°	540.5	540.1	540.6	541.1
40°	534.2	534.7	536.4	536.4
40.5°	528.6	529.2	530.4	529.2
41°	522.5	523.3	523.8	521.9
41.5°	516.8	517.7	518.5	521.2
42°	511.2	511.5	512.9	510.6
42.5°	505.0	504.7	504.9	504.2
43°	498.7	499.2	500.6	498.5
43.5°	492.7	493.2	494.0	492.4



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	474.2	474.3	475.6	474.5
45.5°	468.4	468.4	469.4	468.6
46°	462.0	462.5	463.9	459.7
46.5°	455.8	456.4	457.1	456.3
47°	449.8	449.5	451.5	450.4
47.5°	443.4	444.1	444.9	443.1
48°	437.4	438.4	438.9	435.4
48.5°	431.1	432.6	432.2	430.2
49°	424.8	425.7	426.2	426.9
49.5°	418.7	419.6	420.4	417.8
50°	412.2	413.2	413.4	413.1
50.5°	406.3	407.6	407.1	407.9
51°	400.1	400.8	401.2	399.9
51.5°	394.1	395.1	395.0	393.6
52°	387.5	388.5	389.2	387.5
52.5°	381.2	382.4	382.5	381.5
53°	375.3	376.0	376.6	374.5
53.5°	369.1	370.1	370.3	368.7
54°	362.6	363.6	364.1	362.6
54.5°	356.6	357.5	357.7	356.0
55°	350.6	351.1	351.6	350.4
55.5°	344.7	345.2	345.7	344.0
56°	338.0	338.7	339.5	337.6
56.5°	332.1	332.6	333.2	331.5
57°	325.8	326.4	327.1	324.5
57.5°	319.6	320.6	320.1	318.8
58°	313.7	314.4	314.7	313.5
58.5°	307.5	308.4	308.4	306.6
59°	301.5	302.1	302.4	301.6
59.5°	295.3	296.0	296.1	294.3
60°	289.4	290.1	290.0	288.5
60.5°	283.4	284.0	284.0	282.1
61°	277.5	278.0	278.2	276.8
61.5°	271.7	271.7	272.4	270.8
62°	265.5	266.2	266.2	264.0
62.5°	259.5	260.0	259.8	258.3
63°	253.6	254.0	253.7	252.1
63.5°	247.7	248.0	248.0	246.2
64°	241.8	241.8	241.4	239.8
64.5°	236.2	236.2	235.9	234.1
65°	230.4	230.7	229.8	228.0
65.5°	224.6	224.4	223.8	222.1
66°	218.9	218.8	218.7	216.4



TEST NUMBER: P563521

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	201.9	201.3	200.6	198.4
68°	196.4	195.5	194.8	192.9
68.5°	190.7	190.1	189.0	186.4
69°	185.2	184.0	183.0	180.8
69.5°	179.7	178.6	177.3	175.2
70°	174.1	172.7	171.5	169.7
70.5°	168.7	167.4	165.8	163.6
71°	163.2	161.8	160.2	157.7
71.5°	158.0	156.6	154.7	152.2
72°	152.6	150.6	149.1	146.7
72.5°	147.2	145.5	143.3	141.3
73°	142.0	139.9	138.1	135.7
73.5°	136.9	134.7	132.7	130.1
74°	131.8	129.6	127.4	124.7
74.5°	127.0	124.4	122.1	119.2
75°	122.1	119.3	116.8	113.8
75.5°	117.2	114.2	111.5	108.4
76°	112.3	109.1	106.2	103.2
76.5°	107.4	104.0	101.1	97.7
77°	102.7	99.1	96.0	92.7
77.5°	97.8	94.2	91.1	88.1
78°	93.1	89.2	86.0	82.7
78.5°	88.5	84.5	81.2	77.5
79°	83.8	79.7	76.1	73.1
79.5°	79.2	74.9	71.3	68.2
80°	74.8	70.4	66.7	63.3
80.5°	70.5	65.9	62.0	58.8
81°	66.3	61.5	57.4	54.2
81.5°	62.1	57.3	53.1	50.1
82°	58.0	53.0	48.7	46.1
82.5°	54.0	49.0	44.7	42.1
83°	50.1	45.0	40.7	38.1
83.5°	46.4	41.1	36.7	34.0
84°	43.0	37.5	33.1	30.3
84.5°	39.4	33.9	29.4	26.7
85°	36.2	30.4	25.9	23.3
85.5°	32.9	27.3	22.7	20.0
86°	29.8	24.2	19.6	17.0
86.5°	26.9	21.2	17.1	14.1
87°	24.1	18.5	14.5	11.4
87.5°	21.5	16.4	12.0	8.8
88°	19.0	14.2	9.5	6.4
88.5°	16.7	12.0	6.9	5.2



TEST NUMBER: P563521

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

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	0.1
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°	1.6	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	0.7	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	0.7	0.9
108.5°	1.4	0.7	0.8	1.0
109°	1.3	0.7	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: P563521

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

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°	1.0	1.0	1.1	1.3
114.5°	1.0	1.0	1.1	1.3
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	1.3
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	1.5	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: P563521

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

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	1.6	1.6
139°	1.7	1.8	1.7	1.6
139.5°	1.7	1.9	1.7	1.6
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°	1.8	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	2.1	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	1.6
150.5°	2.1	2.2	1.7	1.7
151°	2.1	2.2	1.7	1.7
151.5°	2.1	2.1	1.7	1.7
152°	2.1	2.1	1.7	1.7
152.5°	2.1	2.1	1.7	1.7
153°	2.1	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: P563521

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

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°	2.1	2.1	1.6	1.7
159.5°	2.1	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	1.6	1.5
164.5°	2.1	1.9	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: P563521

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

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°	713.9	714.9	705.5	717.7	710.3	708.8	707.0	706.8	704.4	702.3	700.5
22°	710.5	702.7	703.5	713.7	706.7	704.8	703.1	701.0	700.1	697.9	697.4



44°	486.0	485.6	481.5	487.8	478.4	473.4	467.3	462.0	456.6	453.5	452.1
44.5°	480.7	479.4	474.2	481.7	472.2	466.7	460.7	455.6	450.4	447.0	445.8



66.5°	210.1	209.7	207.3	211.7	205.9	202.8	198.5	195.6	192.4	190.5	190.1
67°	204.1	203.9	201.7	204.9	200.4	197.3	193.5	190.7	187.3	185.6	184.9



89°	3.9	4.4	7.5	12.4	17.2	21.7	25.2	27.7	29.1	29.4	28.7
89.5°	2.7	3.3	6.0	10.8	15.4	19.8	23.2	25.8	27.1	27.5	26.8



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	1.6	1.6	1.9	2.5	1.8	1.7	1.7	1.6	1.6	1.6
134.5°	1.6	1.6	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	1.6	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°	699.5	696.2	701.0	698.4	698.8	698.7	698.1	699.3	704.6	695.6	705.7
22°	697.9	696.8	695.9	695.3	695.2	693.8	695.8	695.1	694.7	689.5	704.3



44°	454.4	457.4	460.4	464.6	464.6	464.3	465.0	465.3	467.2	463.0	472.8
44.5°	447.9	452.0	455.9	457.4	459.1	458.5	458.9	459.5	459.8	457.2	466.0



66.5°	191.3	193.3	195.4	196.4	196.9	195.9	195.4	196.1	196.6	197.0	201.8
67°	186.3	188.1	190.2	191.0	191.2	190.4	189.6	190.5	190.9	191.6	196.5



89°	27.3	24.6	21.0	16.5	11.5	6.6	3.4	1.3	3.1	6.8	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	1.0	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	1.5	1.6	1.8
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°	702.1	701.8	703.5	705.3	705.3	706.1	706.8	707.6	711.3	713.7	712.6
22°	697.7	698.5	699.8	704.0	702.6	706.4	703.5	704.4	707.8	709.8	710.4



44°	466.6	465.1	462.9	462.4	459.5	460.2	461.9	467.0	473.5	479.7	483.3
44.5°	460.7	459.2	456.8	455.4	451.8	452.9	455.9	461.2	467.7	473.5	477.5



66.5°	200.3	199.8	198.9	197.9	197.5	197.7	199.4	202.4	206.2	209.5	212.3
67°	195.2	194.4	193.6	193.5	192.3	193.0	194.3	197.1	200.9	204.1	206.8



89°	16.7	21.3	25.3	28.2	30.0	30.8	30.7	29.6	27.3	24.0	19.5
89.5°	15.1	19.4	23.1	26.0	27.9	28.6	28.5	27.3	25.2	21.8	17.4



111.5°	2.0	2.6	3.0	3.4	3.7	3.7	3.7	3.4	3.1	2.6	1.9
112°	2.0	2.6	3.0	3.4	3.6	3.7	3.6	3.4	3.1	2.5	1.9



134°	1.8	1.6	1.4	1.3	1.3	1.2	1.2	1.3	1.4	1.5	1.5
134.5°	1.9	1.6	1.5	1.3	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	1.8	1.8	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.0



179°	1.6	1.6	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°	715.0	713.9	716.4	713.9
22°	711.2	711.3	711.4	710.5



44°	486.6	487.1	486.9	486.0
44.5°	480.7	481.5	481.4	480.7



66.5°	213.2	213.2	212.2	210.1
67°	207.6	207.1	206.3	204.1



89°	14.9	9.8	5.1	3.9
89.5°	13.0	7.6	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	1.6	1.7
157°	2.2	2.1	1.6	1.7



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



(END OF REPORT)