

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: P563519

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563519
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-3500K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

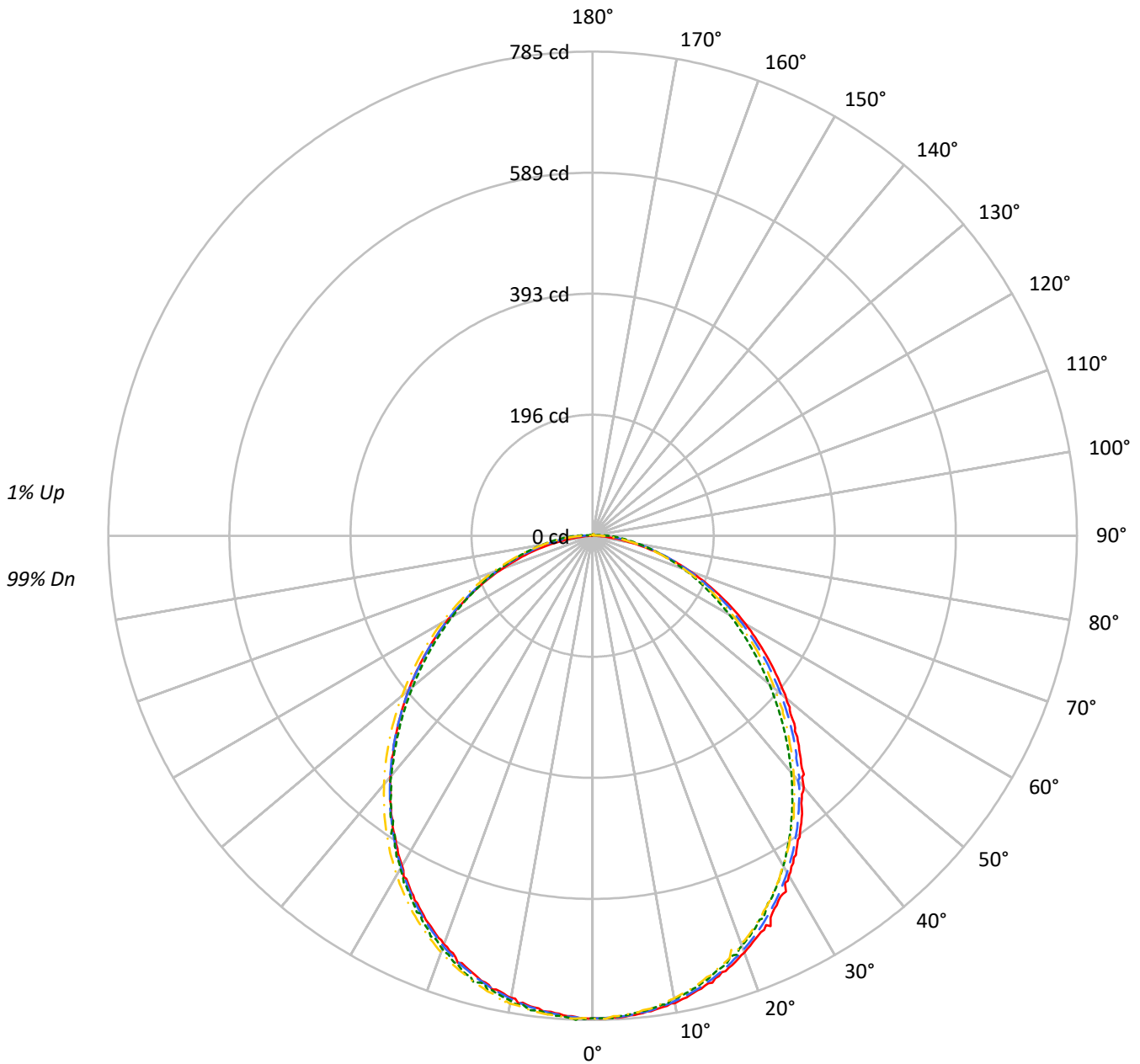
Lumens per Lamp: N/A
Luminaire Lumens: 1989.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 15.7
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

TEST NUMBER: P563519

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

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				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°	9512	9512	9512	9512
5°	9484	9330	9422	9337
10°	9430	9110	9323	9148
15°	9337	8866	9176	8966
20°	9166	8568	8982	8631
25°	8990	8220	8751	8310
30°	8723	7830	8474	7896
35°	8457	7371	8145	7395
40°	8160	6869	7823	6955
45°	7770	6327	7412	6420
50°	7385	5777	7010	5885
55°	6955	5230	6579	5355
60°	6492	4697	6127	4829
65°	5975	4181	5581	4333
70°	5373	3664	4961	3826
75°	4592	3131	4218	3327
80°	3559	2575	3157	2803
85°	2185	2095	1779	2255



TEST NUMBER: P563519

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.7
10°-20°	209.2	10.5
20°-30°	309.3	15.6
30°-40°	357.5	18.0
40°-50°	349.4	17.6
50°-60°	295.4	14.9
60°-70°	213.6	10.7
70°-80°	121.8	6.1
80°-90°	42.7	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°	1.2	0.1
150°-160°	0.9	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	592.4	29.8
0°-40°	949.9	47.8
0°-60°	1594.6	80.2
0°-90°	1972.7	99.2
90°-120°	10.8	0.5
90°-150°	14.8	0.7
90°-180°	16.0	0.8
0°-180°	1989.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	782	782	782	782	782	
5°	780	777	775	778	780	74
15°	750	740	737	748	750	211
25°	683	666	665	674	683	314
35°	586	562	565	564	586	366
45°	471	437	449	443	471	363
55°	348	313	329	320	348	311
65°	226	204	211	211	226	224
75°	113	113	104	120	113	120
85°	23	47	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	



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4
0.5°	782.5	785.3	776.9	792.5	782.4	782.2	782.6	784.4	781.7	783.0	781.7
1°	783.0	784.2	776.2	788.6	782.1	782.4	782.3	785.2	783.1	782.4	781.2
1.5°	782.0	783.7	775.7	793.9	781.8	782.3	781.9	785.6	783.7	782.6	780.9
2°	782.2	781.8	775.4	791.4	782.0	781.4	782.6	783.2	782.0	781.8	782.3
2.5°	781.7	780.6	775.5	788.0	783.4	781.3	781.4	781.5	781.7	783.0	780.0
3°	782.6	781.9	775.4	788.4	781.4	781.5	781.4	785.3	780.3	780.2	779.7
3.5°	782.0	779.8	774.5	787.6	781.2	780.3	780.5	783.6	781.0	779.9	778.8
4°	781.3	784.8	778.5	791.2	780.6	780.1	779.7	780.3	779.6	779.6	778.8
4.5°	780.0	781.3	774.2	788.4	780.2	779.1	778.6	780.7	779.2	778.2	778.6
5°	780.0	782.4	772.9	785.6	779.6	778.3	778.8	778.8	778.0	777.1	776.0
5.5°	779.0	778.5	773.5	786.9	777.8	776.9	777.4	779.0	777.6	776.4	774.9
6°	778.2	781.3	771.6	782.7	777.0	776.7	776.8	774.6	776.3	775.0	774.6
6.5°	776.5	773.4	770.6	783.9	776.9	775.8	775.5	777.4	776.1	774.3	772.2
7°	776.6	778.9	769.4	783.3	775.6	774.2	774.3	782.9	775.2	772.8	772.3
7.5°	775.0	774.6	771.7	782.9	774.2	773.2	773.0	770.3	773.3	771.6	770.3
8°	773.6	774.0	767.5	781.9	772.3	771.5	771.3	773.3	770.8	770.2	767.7
8.5°	772.4	773.6	765.3	780.1	771.4	770.3	769.4	769.4	770.7	768.4	766.9
9°	771.6	776.0	765.4	777.3	769.7	769.1	768.5	769.4	767.9	769.3	764.6
9.5°	768.9	769.8	762.8	774.0	768.3	767.7	767.1	768.2	765.8	763.7	764.0
10°	769.5	768.9	761.6	775.8	766.3	765.8	765.4	764.6	766.3	762.4	762.7
10.5°	767.1	766.3	759.9	772.5	764.5	764.2	763.3	762.0	761.8	760.8	760.7
11°	764.8	763.6	759.7	771.7	764.1	761.8	761.6	762.3	761.4	759.5	758.6
11.5°	764.1	762.6	756.6	767.1	761.2	759.7	759.4	759.3	758.5	757.1	756.5
12°	761.0	761.0	755.4	765.9	759.3	758.2	757.7	757.0	754.3	755.1	753.5
12.5°	758.8	758.2	752.2	764.9	756.9	755.9	755.0	756.7	753.8	752.5	751.1
13°	756.2	758.2	755.8	761.0	754.9	753.9	753.2	751.8	751.6	750.7	748.9
13.5°	755.3	754.6	748.6	766.1	753.3	751.3	750.6	749.8	749.7	748.1	746.5
14°	751.7	753.0	747.1	759.4	749.8	748.8	748.1	748.8	747.5	745.1	743.7
14.5°	749.2	750.9	716.3	757.5	747.3	746.4	745.4	751.0	743.6	742.9	740.6
15°	750.1	747.2	739.1	749.5	745.6	743.8	743.1	743.8	742.5	739.8	738.2
15.5°	744.5	739.9	739.1	754.3	742.5	741.2	740.0	738.6	741.0	736.2	735.9
16°	743.0	743.7	736.1	743.7	739.0	738.5	737.5	737.0	735.2	732.8	733.1
16.5°	738.2	740.4	732.6	747.3	737.2	735.8	734.0	733.4	732.4	731.3	730.0
17°	738.1	736.5	749.3	743.4	734.4	732.8	731.8	731.0	728.8	728.9	726.2
17.5°	734.3	734.0	727.3	741.5	731.0	729.7	728.3	729.8	730.0	725.3	723.2
18°	731.9	731.4	723.1	737.6	727.8	727.1	725.8	725.7	723.6	719.7	720.1
18.5°	728.6	729.3	722.2	734.0	724.3	723.2	722.6	722.5	720.1	717.4	716.8
19°	725.1	725.9	720.6	730.7	722.0	720.2	719.5	719.8	716.8	718.6	713.2
19.5°	721.7	723.8	717.9	727.9	719.5	716.9	715.6	714.7	713.7	711.0	710.0
20°	719.2	716.9	713.7	724.7	715.6	713.3	712.4	710.3	709.8	707.5	706.3
20.5°	715.3	714.2	709.4	721.0	711.9	710.0	708.8	709.7	707.3	703.8	703.3
21°	712.2	711.5	705.2	716.9	708.4	706.5	705.6	704.8	703.1	699.8	698.7



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	701.5	704.6	694.6	705.1	697.4	695.3	694.7	695.1	691.2	688.7	687.0
23°	698.1	695.9	692.0	704.9	693.4	691.5	690.5	687.4	686.2	683.7	682.3
23.5°	696.9	696.3	686.6	700.8	689.6	688.0	687.6	686.9	682.5	678.6	678.4
24°	690.9	689.1	685.1	695.6	685.5	683.3	687.1	680.2	678.2	679.2	674.3
24.5°	695.6	685.8	678.4	688.0	681.4	679.3	677.8	676.7	673.8	673.2	669.5
25°	683.2	681.1	677.4	687.4	677.2	675.3	672.9	670.1	669.0	666.4	665.9
25.5°	677.2	676.6	670.1	685.6	673.2	670.7	668.4	669.7	665.1	660.0	661.3
26°	672.6	671.8	666.8	677.0	668.6	666.3	664.8	666.9	660.3	657.6	656.9
26.5°	669.2	668.8	661.4	672.9	664.8	661.7	660.6	657.2	655.3	653.1	650.4
27°	663.9	663.9	654.5	667.4	660.0	657.6	655.1	653.2	651.2	648.2	647.1
27.5°	659.4	658.8	651.9	663.7	655.5	653.1	650.3	649.3	647.7	643.5	642.0
28°	657.3	655.2	647.4	659.0	650.6	648.6	646.1	645.1	640.6	638.6	636.9
28.5°	656.7	652.5	645.9	655.3	645.8	643.4	641.4	640.5	635.8	633.7	632.1
29°	643.3	645.2	639.4	649.1	641.1	638.5	636.9	633.4	631.4	628.3	626.7
29.5°	642.8	642.5	634.7	645.4	636.8	633.8	630.3	628.7	625.9	623.4	621.7
30°	636.3	633.7	627.8	641.9	631.8	629.1	625.8	627.3	621.1	618.2	616.6
30.5°	632.5	638.5	625.3	636.0	626.9	624.3	621.1	618.6	616.2	612.8	611.2
31°	625.8	627.5	619.3	629.7	621.8	619.1	616.1	613.0	610.4	607.3	606.2
31.5°	622.7	621.1	621.2	626.3	616.6	613.6	610.8	609.0	604.7	601.7	600.3
32°	615.0	616.6	610.7	624.9	611.5	608.6	605.1	602.5	599.3	596.4	594.4
32.5°	613.7	611.8	602.3	613.1	606.5	603.3	600.0	597.4	593.4	590.5	589.9
33°	606.6	607.0	601.1	609.7	601.3	598.2	594.5	591.5	587.5	585.2	583.7
33.5°	600.7	601.3	595.0	606.0	595.9	592.8	589.2	584.5	582.4	579.6	578.2
34°	595.1	594.5	590.9	606.7	590.5	587.2	583.2	582.7	576.6	574.2	571.4
34.5°	592.7	590.7	585.7	594.5	585.0	581.4	577.6	574.4	569.9	567.9	566.2
35°	586.4	585.1	579.0	589.9	579.9	576.4	572.0	568.8	565.6	561.9	560.2
35.5°	580.4	580.3	573.9	583.4	574.1	570.7	566.3	563.0	558.6	556.0	554.4
36°	575.6	574.3	568.5	576.8	568.8	565.3	560.3	556.4	552.5	550.1	549.1
36.5°	569.8	568.7	563.3	572.0	563.0	559.0	554.1	554.7	548.4	544.1	543.0
37°	564.6	562.9	558.1	567.2	557.9	553.6	549.2	543.9	542.2	538.2	536.6
37.5°	557.2	558.3	552.1	559.2	551.5	547.7	542.9	539.9	535.1	531.7	531.2
38°	549.7	552.2	546.6	554.4	545.8	542.4	536.9	532.7	529.4	525.5	524.5
38.5°	544.7	546.1	541.7	549.6	540.6	536.1	531.4	526.5	522.7	519.6	518.8
39°	539.1	540.5	535.4	544.8	534.8	530.0	523.9	522.7	516.2	513.3	511.8
39.5°	536.8	534.8	529.8	538.2	528.8	524.2	520.3	514.6	510.8	507.2	506.1
40°	532.1	529.3	524.0	525.7	516.7	518.5	513.9	507.5	504.2	500.9	499.6
40.5°	525.0	523.4	518.5	525.2	521.9	512.0	507.1	502.5	497.4	494.4	493.3
41°	517.8	517.6	512.2	520.0	509.3	506.2	500.5	498.6	493.0	488.0	487.0
41.5°	517.0	511.2	506.4	514.1	505.1	500.2	495.0	489.6	485.9	481.7	481.0
42°	506.6	505.2	500.5	508.1	495.8	493.9	488.3	484.9	479.0	475.3	474.0
42.5°	500.1	500.0	494.5	501.3	489.4	488.0	482.2	477.9	472.3	469.2	468.2
43°	494.5	494.0	488.8	498.5	486.5	482.1	476.0	471.2	466.0	462.7	461.7
43.5°	488.5	488.1	483.3	488.9	480.5	475.5	469.8	465.1	459.8	456.1	455.4



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	470.7	470.2	464.7	470.9	462.1	457.3	450.9	445.0	440.1	437.0	436.5
45.5°	464.9	464.0	458.8	464.8	456.1	451.2	444.8	438.0	434.1	430.6	430.2
46°	456.0	457.6	452.6	458.7	450.0	444.8	438.8	433.2	427.4	424.2	423.4
46.5°	452.6	451.4	446.4	452.7	443.7	438.3	432.1	426.8	421.2	417.8	417.0
47°	446.8	445.4	441.3	446.8	437.6	432.4	425.5	421.1	414.9	411.9	411.6
47.5°	439.5	439.0	433.2	440.1	431.4	425.9	419.3	414.5	408.3	405.2	404.4
48°	431.9	432.1	428.7	434.2	425.6	419.5	413.3	407.9	402.6	398.9	398.3
48.5°	426.8	427.6	422.1	428.0	419.0	413.3	406.9	401.9	395.2	392.3	391.6
49°	423.5	421.2	416.9	421.3	413.1	407.2	400.3	394.8	389.5	386.3	386.1
49.5°	414.4	413.5	410.1	414.8	406.6	401.1	394.9	387.9	383.0	380.0	378.7
50°	409.8	410.2	404.3	409.4	400.5	395.0	388.1	382.3	376.7	373.7	373.4
50.5°	404.6	401.6	397.3	402.7	394.3	388.1	381.7	376.6	370.4	367.4	366.1
51°	396.7	396.5	391.8	396.5	388.3	382.4	375.3	369.2	364.6	361.2	361.0
51.5°	390.5	389.2	385.6	390.0	381.9	375.9	369.2	363.8	358.0	354.9	354.3
52°	384.4	383.0	379.9	383.4	375.7	369.8	363.2	354.3	352.0	348.9	348.4
52.5°	378.5	377.9	373.9	377.6	369.8	363.8	356.9	350.9	345.9	342.8	341.8
53°	371.5	371.4	366.6	371.5	363.1	357.5	350.7	345.1	339.7	336.8	335.8
53.5°	365.8	365.7	359.4	365.8	357.3	351.4	344.7	338.8	333.6	330.7	330.0
54°	359.7	359.2	355.6	359.3	351.4	345.2	338.2	333.1	327.8	324.5	323.7
54.5°	353.1	352.4	348.8	353.0	344.6	339.3	332.3	329.5	321.9	318.7	318.5
55°	347.6	346.6	342.4	347.2	338.7	332.9	326.3	320.3	315.6	312.8	311.9
55.5°	341.2	340.9	338.2	339.3	332.7	327.1	320.1	314.6	309.9	306.8	306.5
56°	334.9	334.5	330.9	334.1	326.7	320.9	315.1	308.9	304.0	301.0	300.7
56.5°	328.8	327.7	327.1	327.8	320.4	314.9	308.6	302.5	298.2	295.1	295.0
57°	321.9	321.7	319.2	322.2	314.3	308.9	302.2	296.7	292.6	289.7	290.1
57.5°	316.3	315.2	312.7	317.4	308.4	302.9	296.8	290.8	286.5	283.8	282.7
58°	311.0	310.1	306.4	309.5	302.4	297.3	290.7	286.5	280.8	278.0	278.1
58.5°	304.1	303.2	300.0	303.5	296.4	291.1	284.7	279.4	275.4	272.6	272.3
59°	299.2	296.9	294.2	297.2	290.6	285.6	279.3	274.1	269.7	267.1	266.6
59.5°	292.0	291.9	288.1	291.6	284.6	279.3	273.6	268.3	264.1	261.3	261.2
60°	286.2	286.1	282.1	285.2	278.4	273.6	267.9	263.2	257.9	255.9	255.6
60.5°	279.9	279.8	276.1	279.3	272.7	267.8	261.9	257.4	252.9	250.7	250.2
61°	274.6	273.8	270.0	273.4	266.9	262.0	256.5	252.1	247.9	245.0	244.5
61.5°	268.6	267.3	263.9	267.6	261.2	256.3	250.6	246.5	242.4	239.7	239.7
62°	261.9	260.9	258.9	261.1	255.1	250.7	245.3	240.5	236.6	234.5	234.6
62.5°	256.2	255.6	252.2	255.1	249.6	244.9	239.8	235.3	232.1	229.4	228.4
63°	250.1	249.1	248.6	249.3	243.6	239.5	234.1	233.3	225.8	224.1	223.9
63.5°	244.3	243.3	241.8	243.4	238.1	233.8	229.1	225.0	221.2	218.9	218.7
64°	237.9	236.7	234.7	237.5	231.6	228.4	223.5	219.8	216.0	213.8	213.4
64.5°	232.2	231.4	229.2	231.8	226.8	223.0	218.3	213.8	210.9	209.0	208.7
65°	226.2	225.7	223.5	226.5	217.6	217.5	212.8	209.2	205.7	203.8	203.4
65.5°	220.3	219.6	217.4	220.1	215.2	212.1	207.5	204.2	200.8	198.9	198.5
66°	214.6	214.1	211.3	214.4	210.0	206.6	202.3	199.1	195.5	193.9	193.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	196.9	196.8	195.0	197.0	193.5	190.5	186.7	184.0	180.8	179.4	178.7
68°	191.4	190.6	189.5	191.5	187.9	185.4	181.8	179.3	176.2	174.5	174.3
68.5°	184.9	184.4	183.6	185.7	182.6	180.1	176.9	174.4	171.7	170.0	169.3
69°	179.3	179.1	177.9	180.3	177.2	174.9	172.5	169.6	166.7	165.4	164.9
69.5°	173.8	173.5	171.3	176.1	172.0	169.8	167.0	164.6	162.1	160.6	160.0
70°	168.4	167.9	165.5	169.2	166.5	164.8	162.3	160.0	158.1	156.2	155.6
70.5°	162.3	162.3	160.9	163.8	161.3	159.7	157.3	155.2	153.1	151.6	151.1
71°	156.5	156.3	155.4	158.1	156.2	154.6	152.7	150.7	148.6	147.3	146.5
71.5°	151.0	151.5	149.8	153.1	151.1	149.7	148.0	146.2	144.1	142.9	142.6
72°	145.5	145.6	145.0	148.0	145.9	145.0	143.2	141.5	139.8	138.5	138.6
72.5°	140.2	140.1	139.3	142.3	140.8	140.1	138.4	137.2	135.1	134.2	134.0
73°	134.7	134.6	133.8	137.1	135.9	135.2	134.1	132.7	131.1	129.8	129.3
73.5°	129.1	128.6	128.5	131.9	130.9	130.6	129.3	128.2	126.8	125.7	125.1
74°	123.7	123.7	123.1	126.5	126.0	125.7	125.0	124.1	122.6	121.5	120.9
74.5°	118.3	118.1	117.9	121.4	121.1	121.2	120.5	119.5	118.4	117.4	116.7
75°	112.9	113.0	112.9	116.3	116.4	116.7	116.0	115.4	114.5	113.3	112.8
75.5°	107.6	107.5	108.3	112.9	111.7	112.0	111.6	111.1	110.3	109.1	108.6
76°	102.4	102.8	102.4	106.4	106.8	107.6	107.1	107.3	106.3	105.8	104.7
76.5°	97.0	97.5	97.8	101.8	102.2	103.1	103.3	103.0	102.3	101.6	100.8
77°	91.9	92.2	92.8	96.2	97.7	98.8	99.0	99.1	98.4	97.6	97.0
77.5°	87.4	87.1	88.3	92.0	93.2	94.3	94.5	94.8	94.5	93.8	93.1
78°	82.0	82.6	83.2	87.3	88.8	90.2	91.2	91.2	90.7	90.1	89.4
78.5°	76.9	77.3	78.6	82.8	84.4	86.1	86.9	87.4	87.1	86.5	85.8
79°	72.5	72.4	74.0	78.0	80.1	82.0	82.9	83.5	83.3	83.0	82.3
79.5°	67.6	67.5	69.0	73.8	75.9	77.9	79.1	79.8	79.7	79.3	78.6
80°	62.8	63.1	64.9	69.5	71.7	74.1	75.3	76.3	76.4	75.9	75.3
80.5°	58.3	58.7	60.6	65.1	67.7	70.1	71.6	72.8	73.0	72.6	71.9
81°	53.8	54.2	56.3	60.9	63.7	66.4	68.8	69.3	69.9	69.4	68.7
81.5°	49.7	50.2	52.4	56.9	59.8	62.6	65.0	66.1	66.4	66.2	65.6
82°	45.7	46.3	48.7	52.8	56.0	59.2	61.5	62.8	63.3	63.2	62.5
82.5°	41.8	42.3	44.9	49.3	52.1	55.6	58.1	59.9	60.3	60.1	59.2
83°	37.8	38.4	41.1	45.7	48.9	51.9	54.8	56.6	57.2	57.2	56.6
83.5°	33.8	34.5	37.4	42.2	45.8	49.1	51.9	53.6	54.4	54.3	53.8
84°	30.1	31.1	33.6	38.7	42.6	46.2	49.2	51.0	51.9	52.4	51.3
84.5°	26.5	27.3	30.2	35.2	39.5	43.4	46.5	48.4	49.3	49.8	48.8
85°	23.1	23.9	26.8	31.9	36.3	40.5	43.8	45.9	46.8	47.2	46.3
85.5°	19.9	20.7	23.7	28.8	33.5	37.8	41.1	43.3	44.3	44.6	43.8
86°	16.8	17.7	20.7	25.9	30.8	35.1	38.4	40.7	41.7	42.0	41.4
86.5°	14.0	14.7	17.9	23.3	28.0	32.5	35.9	38.3	39.4	39.6	39.0
87°	11.3	12.1	15.4	20.7	25.6	30.1	33.5	35.9	37.1	37.4	36.7
87.5°	8.8	9.6	13.1	18.3	23.3	27.8	31.3	33.7	35.0	35.2	34.5
88°	6.4	7.4	10.9	16.2	21.1	25.5	29.0	31.5	32.7	33.1	32.5
88.5°	5.1	5.5	9.1	14.2	19.0	23.4	27.0	29.5	30.8	31.1	30.5



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.4	2.2	5.2	9.2	13.7	17.9	21.2	23.8	25.1	25.5	24.9
90.5°	0.2	1.2	4.3	7.9	12.1	16.3	19.7	22.1	23.5	23.8	23.3
91°	0.1	0.8	3.5	6.7	10.8	14.8	18.0	20.5	21.8	22.2	21.7
91.5°	0.1	0.5	2.7	5.7	9.5	13.3	16.5	18.9	20.3	20.6	20.1
92°	0.1	0.4	1.8	4.9	8.4	12.0	15.1	17.4	18.8	19.2	18.8
92.5°	0.1	0.3	1.4	4.2	7.3	10.8	13.8	16.0	17.4	17.8	17.3
93°	0.1	0.3	1.2	3.5	6.4	9.6	12.5	14.8	16.1	16.5	15.9
93.5°	0.1	0.2	0.9	2.8	5.6	8.6	11.4	13.6	14.8	15.3	14.8
94°	0.1	0.2	0.8	2.4	5.0	7.7	10.4	12.4	13.7	14.1	13.6
94.5°	0.1	0.2	0.7	2.0	4.4	6.9	9.4	11.3	12.6	13.0	12.6
95°	0.1	0.2	0.6	1.7	3.8	6.1	8.5	10.5	11.5	11.9	11.5
95.5°	0.1	0.2	0.5	1.5	3.2	5.4	7.7	9.5	10.6	11.0	10.6
96°	0.2	0.2	0.5	1.4	2.8	4.9	6.9	8.6	9.7	10.1	9.6
96.5°	0.2	0.2	0.5	1.2	2.5	4.5	6.2	7.9	8.9	9.2	8.9
97°	0.2	0.2	0.4	1.2	2.2	4.0	5.6	7.2	8.2	8.5	8.2
97.5°	0.2	0.3	0.4	1.1	2.0	3.5	5.2	6.5	7.5	7.8	7.5
98°	0.2	0.3	0.4	1.0	1.9	3.1	4.7	6.0	6.8	7.1	6.9
98.5°	0.3	0.3	0.4	0.9	1.8	2.9	4.3	5.5	6.3	6.5	6.3
99°	0.3	0.3	0.4	0.8	1.6	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	4.7	5.4	5.5	5.4
100°	0.4	0.4	0.4	0.7	1.4	2.4	3.3	4.4	5.0	5.2	5.0
100.5°	0.4	0.5	0.5	0.7	1.4	2.2	3.1	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	4.2	4.4	4.2
101.5°	0.5	0.5	0.5	0.6	1.2	2.0	2.8	3.6	4.0	4.1	4.0
102°	0.5	0.5	0.5	0.6	1.1	1.9	2.7	3.4	3.7	3.9	3.8
102.5°	0.5	0.6	0.6	0.6	1.1	1.8	2.5	3.2	3.5	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	3.4
103.5°	0.6	0.6	0.5	0.7	1.0	1.6	2.2	2.9	3.2	3.4	3.3
104°	0.6	0.7	0.6	0.7	0.9	1.5	2.1	2.7	3.1	3.2	3.1
104.5°	0.7	0.8	0.6	0.7	0.9	1.4	2.0	2.6	2.9	3.1	3.0
105°	0.7	0.9	0.6	0.8	0.9	1.3	1.9	2.5	2.8	2.9	2.8
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	1.0	0.6	0.8	0.9	1.2	1.7	2.2	2.5	2.7	2.6
106.5°	0.8	1.0	0.7	0.8	0.9	1.2	1.6	2.1	2.4	2.5	2.5
107°	0.8	1.0	0.7	0.9	0.9	1.2	1.6	2.0	2.3	2.4	2.3
107.5°	0.8	0.9	0.7	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	1.4	1.8	2.1	2.2	2.1
108.5°	1.0	1.0	0.9	0.8	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	1.2	1.5	1.7	1.8	1.8
110.5°	1.1	1.1	1.0	0.9	1.0	1.1	1.2	1.5	1.7	1.7	1.7
111°	1.2	1.2	0.9	0.9	1.1	1.1	1.2	1.4	1.6	1.7	1.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.2	1.2	1.0	0.9	1.1	1.2	1.2	1.3	1.4	1.4	1.4
113°	1.3	1.2	1.0	1.0	1.0	1.2	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	1.2	1.3	1.4	1.3
114°	1.3	1.2	1.0	1.0	1.0	1.2	1.2	1.2	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	1.3	1.2	1.0	1.0	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	1.3
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	1.4	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°	1.2	1.4	1.5	1.1	1.2	1.1	1.4	1.5	1.5	1.5	1.5
119.5°	1.2	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	1.4	1.4	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	1.2	1.2	1.5	1.6	1.5	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	1.2	1.6	1.6	1.6
122.5°	1.3	1.5	1.6	1.4	1.4	1.3	1.2	1.2	1.4	1.6	1.5
123°	1.4	1.5	1.6	1.4	1.4	1.3	1.2	1.2	1.3	1.4	1.3
123.5°	1.4	1.5	1.6	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	1.5	1.6	1.9	1.6	1.5	1.4	1.3	1.3	1.2	1.3
127°	1.4	1.6	1.6	1.9	1.6	1.5	1.4	1.3	1.3	1.2	1.3
127.5°	1.4	1.5	1.6	2.0	1.6	1.5	1.5	1.4	1.3	1.3	1.3
128°	1.4	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°	1.4	1.6	1.5	1.9	1.7	1.6	1.5	1.4	1.4	1.3	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	1.7	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	1.4	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	1.7	1.6	1.6	1.5	1.5	1.5
133°	1.5	1.6	1.5	1.8	2.2	1.8	1.7	1.6	1.6	1.5	1.6
133.5°	1.6	1.6	1.5	1.9	2.4	1.8	1.7	1.6	1.6	1.6	1.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	1.6	1.6	1.6	1.8	2.5	1.9	1.7	1.7	1.6	1.6	1.6
135.5°	1.6	1.6	1.6	1.9	2.4	1.9	1.8	1.7	1.7	1.6	1.7
136°	1.6	1.6	1.7	1.9	2.4	2.0	1.8	1.7	1.7	1.6	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	1.8	1.8	1.7	1.7	1.7
137.5°	1.6	1.7	1.7	1.8	2.2	2.3	1.9	1.8	1.7	1.7	1.8
138°	1.6	1.7	1.8	1.8	2.1	2.5	1.9	1.8	1.8	1.7	1.8
138.5°	1.6	1.7	1.8	1.7	2.1	2.6	1.9	1.8	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	1.8
140°	1.6	1.7	1.8	1.6	2.2	2.6	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	1.8	1.9
141°	1.7	1.6	1.9	1.6	2.2	2.5	2.4	2.0	1.9	1.9	1.9
141.5°	1.7	1.6	1.9	1.6	2.2	2.4	2.5	2.0	1.9	1.9	1.9
142°	1.7	1.6	1.9	1.7	2.2	2.3	2.7	2.1	2.0	1.9	2.0
142.5°	1.7	1.6	1.9	1.7	2.2	2.3	2.7	2.2	2.0	2.0	2.0
143°	1.7	1.7	1.9	1.7	2.1	2.2	2.8	2.3	2.0	2.0	2.0
143.5°	1.7	1.7	1.9	1.7	2.1	2.2	2.7	2.5	2.1	2.0	2.1
144°	1.7	1.7	1.9	1.7	2.0	2.2	2.6	2.6	2.2	2.1	2.2
144.5°	1.7	1.7	2.0	1.7	1.9	2.3	2.5	2.7	2.4	2.2	2.4
145°	1.7	1.7	2.0	1.8	1.9	2.3	2.4	2.8	2.5	2.4	2.5
145.5°	1.7	1.7	2.0	1.8	1.8	2.3	2.3	2.8	2.7	2.5	2.6
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	1.7	2.3	2.2	2.6	2.8	2.8	2.8
147°	1.7	1.6	2.0	1.8	1.7	2.2	2.2	2.5	2.7	2.8	2.8
147.5°	1.7	1.6	2.0	1.9	1.7	2.2	2.3	2.4	2.6	2.7	2.7
148°	1.7	1.6	2.0	1.9	1.7	2.1	2.3	2.3	2.5	2.6	2.6
148.5°	1.7	1.6	2.0	1.9	1.6	2.1	2.3	2.3	2.4	2.5	2.5
149°	1.7	1.6	2.0	1.9	1.6	2.0	2.3	2.3	2.3	2.4	2.4
149.5°	1.6	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	1.9	1.9	1.7	1.8	2.3	2.3	2.3	2.3	2.3
150.5°	1.6	1.6	1.9	1.9	1.7	1.8	2.2	2.3	2.3	2.2	2.3
151°	1.7	1.6	1.9	2.0	1.7	1.7	2.1	2.3	2.3	2.2	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	1.6	2.0	2.3	2.3	2.3	2.3
152.5°	1.7	1.6	1.9	2.0	1.7	1.6	1.9	2.2	2.3	2.3	2.3
153°	1.6	1.6	1.9	2.0	1.8	1.6	1.8	2.2	2.3	2.3	2.3
153.5°	1.6	1.6	1.9	2.0	1.8	1.6	1.8	2.1	2.2	2.3	2.2
154°	1.6	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	1.6	1.6	1.9	2.1	2.1	2.1
155°	1.7	1.6	1.9	2.0	1.8	1.7	1.6	1.8	2.0	2.0	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: P563519

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.7	1.5	1.9	2.0	1.9	1.8	1.6	1.6	1.6	1.6	1.6
158°	1.7	1.5	1.9	2.0	1.9	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	1.9	2.0	1.9	1.8	1.7	1.7	1.6	1.6
161.5°	1.7	1.5	1.8	1.9	2.0	1.9	1.8	1.8	1.7	1.6	1.7
162°	1.6	1.5	1.8	1.9	2.0	1.9	1.9	1.8	1.7	1.7	1.7
162.5°	1.5	1.5	1.8	1.9	2.0	1.9	1.9	1.8	1.7	1.7	1.7
163°	1.5	1.5	1.8	1.9	2.0	2.0	1.9	1.8	1.8	1.7	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°	1.4	1.4	1.8	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.8
164.5°	1.4	1.4	1.8	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.8
165°	1.4	1.4	1.8	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9
165.5°	1.4	1.4	1.8	1.9	1.9	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	1.9	1.9	1.9	1.9
166.5°	1.4	1.4	1.6	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9
167°	1.3	1.3	1.5	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.9
167.5°	1.2	1.1	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	1.9	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	1.6	1.8	1.9	1.9	2.0	2.0	2.0	2.0
169.5°	1.1	1.2	1.2	1.6	1.7	1.9	1.9	1.9	2.0	2.0	2.0
170°	1.2	1.2	1.2	1.3	1.7	1.9	1.9	1.9	1.9	1.9	1.9
170.5°	1.1	1.2	1.1	1.2	1.6	1.8	1.9	1.9	1.9	1.9	1.9
171°	1.1	1.1	1.1	1.2	1.6	1.7	1.9	1.9	1.9	1.9	1.9
171.5°	1.1	1.1	1.1	1.2	1.6	1.6	1.8	1.9	1.9	1.9	1.9
172°	1.1	1.2	1.1	1.2	1.6	1.6	1.8	1.9	1.9	1.9	1.9
172.5°	1.2	1.2	1.1	1.2	1.6	1.6	1.8	1.8	1.9	1.9	1.9
173°	1.1	1.2	1.2	1.2	1.4	1.6	1.8	1.8	1.8	1.9	1.9
173.5°	1.1	1.1	1.2	1.2	1.3	1.6	1.8	1.8	1.8	1.8	1.8
174°	1.1	1.1	1.2	1.2	1.2	1.6	1.6	1.8	1.8	1.8	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	1.1	1.1	1.2	1.2	1.3	1.6	1.7	1.8	1.8	1.6
175.5°	1.1	1.1	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	1.5
176.5°	1.2	1.2	1.1	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	1.5	1.2
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	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4
0.5°	779.7	783.1	784.8	782.1	783.0	781.1	782.9	782.8	784.8	766.5	790.9
1°	781.4	781.6	783.5	781.2	782.1	781.5	781.9	782.6	781.3	774.9	789.9
1.5°	780.7	782.0	784.8	781.8	781.5	779.6	782.7	782.6	777.8	776.4	792.6
2°	783.2	782.5	782.7	779.9	781.2	779.6	782.1	780.8	779.9	774.5	787.8
2.5°	780.7	780.9	779.6	779.7	780.5	779.8	780.7	779.5	780.2	774.9	787.8
3°	779.3	780.8	781.1	778.4	779.9	779.5	776.7	780.0	780.9	778.8	787.7
3.5°	778.0	769.7	779.0	778.7	778.5	777.8	778.7	778.8	777.4	772.1	786.6
4°	777.1	775.4	778.8	777.6	778.5	776.3	778.8	776.9	778.5	770.7	785.9
4.5°	777.5	779.5	778.3	776.4	777.5	778.2	776.9	776.4	777.1	768.1	789.8
5°	776.0	788.0	778.3	775.4	775.8	773.3	777.4	774.9	775.3	770.9	786.0
5.5°	775.4	776.4	777.7	774.4	774.5	773.0	777.1	774.8	776.9	769.3	783.1
6°	774.5	774.6	773.7	773.3	774.3	773.1	773.9	774.7	774.1	767.7	781.5
6.5°	772.7	773.6	773.8	772.1	772.2	771.4	772.5	771.3	772.4	767.0	781.4
7°	771.4	774.5	772.9	771.5	770.9	770.6	776.0	770.7	771.8	764.5	780.4
7.5°	769.8	770.5	771.1	769.7	769.8	768.6	778.7	769.6	770.1	764.4	777.7
8°	768.3	769.5	768.9	767.7	768.0	765.8	767.0	768.1	768.1	763.4	776.9
8.5°	766.9	767.6	767.0	766.5	766.0	763.9	767.3	765.2	766.5	762.9	774.2
9°	765.5	765.8	765.6	764.3	764.3	762.3	765.4	767.9	764.8	757.0	771.0
9.5°	763.6	764.3	764.0	762.0	762.9	760.7	763.8	760.9	763.5	759.8	774.7
10°	760.3	762.3	762.0	761.2	761.0	760.0	760.7	760.8	769.0	756.5	776.1
10.5°	759.6	760.6	759.9	758.8	758.8	758.2	759.1	759.1	759.7	753.6	766.9
11°	757.1	757.5	757.6	756.5	756.9	755.3	757.1	756.2	755.4	751.3	762.8
11.5°	755.0	756.0	756.0	755.0	754.6	754.4	752.1	753.9	753.4	748.6	763.1
12°	753.2	753.7	753.8	751.9	752.4	751.4	752.0	752.0	751.2	746.4	761.5
12.5°	750.9	750.9	751.2	749.3	749.8	749.6	749.3	753.6	752.0	746.6	761.7
13°	748.1	748.6	748.5	748.0	746.9	747.7	747.9	747.3	747.7	735.4	755.7
13.5°	745.5	745.8	746.3	744.5	745.2	744.1	745.7	744.6	744.8	742.8	754.6
14°	742.7	743.7	743.1	741.5	742.2	740.5	741.6	743.6	742.6	731.7	751.7
14.5°	740.6	740.2	739.2	739.3	739.8	738.3	739.3	740.6	740.0	728.4	749.2
15°	738.0	738.4	738.8	736.9	736.6	735.5	738.1	737.2	736.7	732.7	746.5
15.5°	734.7	735.0	734.7	733.9	733.7	732.1	734.7	733.7	734.4	730.5	746.6
16°	732.3	734.0	731.6	730.8	731.0	731.0	730.4	731.0	732.1	725.4	740.1
16.5°	728.4	727.8	728.9	726.6	728.0	728.1	726.9	727.9	727.7	724.8	736.8
17°	725.7	726.5	725.4	725.5	725.1	723.6	727.0	724.6	726.1	721.7	735.4
17.5°	723.0	723.6	724.0	721.5	721.9	719.9	723.2	726.1	721.9	716.2	730.0
18°	719.2	719.9	720.1	718.9	718.5	717.3	719.3	718.8	720.1	714.4	727.1
18.5°	715.8	716.6	718.3	697.2	715.3	714.1	714.4	713.6	716.1	711.4	724.9
19°	712.4	695.4	712.9	715.5	711.0	710.3	711.5	711.7	712.0	707.2	721.5
19.5°	709.1	710.8	708.6	710.1	707.4	707.0	708.8	707.2	709.2	704.1	717.3
20°	705.8	705.9	705.0	700.5	704.8	703.3	705.3	704.8	705.4	701.8	713.7
20.5°	701.9	701.7	702.1	700.6	700.5	699.7	701.6	699.8	703.1	696.3	711.5
21°	697.8	703.2	698.3	696.8	697.9	696.1	696.8	698.1	694.8	695.8	705.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	686.3	685.6	687.5	685.1	685.7	684.5	685.2	685.7	687.2	682.7	695.9
23°	683.0	682.5	681.5	680.9	682.1	680.5	683.1	681.9	683.2	678.7	690.8
23.5°	671.0	679.9	678.7	680.3	677.5	676.1	676.7	678.6	678.2	672.7	687.4
24°	673.1	677.7	674.9	673.3	674.0	672.0	673.9	673.4	677.4	666.7	683.2
24.5°	669.2	669.9	668.4	669.3	669.1	668.1	669.6	669.3	671.0	665.0	679.0
25°	665.3	665.1	665.4	664.9	665.0	663.7	664.7	665.0	666.5	660.0	674.3
25.5°	660.0	660.5	661.7	659.8	661.0	659.4	659.9	660.3	659.2	657.3	670.1
26°	656.0	656.9	657.8	656.0	656.1	654.8	656.0	657.5	657.3	651.8	665.1
26.5°	651.1	650.9	652.2	650.5	651.4	650.0	651.8	651.5	654.9	648.4	660.8
27°	647.0	646.3	645.3	647.8	647.1	645.3	647.2	648.1	645.9	643.6	656.3
27.5°	641.9	643.2	644.6	642.4	642.2	640.7	642.2	642.9	643.6	638.7	651.9
28°	637.0	638.5	638.0	637.5	637.9	637.0	637.1	637.7	640.7	634.1	646.6
28.5°	632.5	631.9	634.4	633.2	633.1	630.7	632.6	632.7	631.9	627.6	642.0
29°	627.6	627.1	627.7	627.8	628.1	629.5	627.6	632.2	627.3	623.9	635.9
29.5°	622.0	623.9	623.8	620.7	622.8	622.1	622.5	622.8	623.4	620.1	642.1
30°	608.7	617.6	618.0	617.4	618.1	617.0	618.1	618.1	619.3	615.3	622.7
30.5°	606.9	611.2	613.8	613.4	613.3	611.5	612.8	612.7	614.5	612.4	621.7
31°	604.4	608.5	607.8	607.5	608.4	606.8	607.6	608.4	609.0	604.9	617.1
31.5°	601.1	603.6	602.7	603.5	603.1	601.4	602.3	603.6	603.4	598.6	612.7
32°	596.8	596.8	597.4	598.3	597.8	596.5	597.2	597.3	598.6	594.7	607.1
32.5°	589.7	590.9	592.4	594.3	592.4	591.6	591.6	592.7	593.8	589.5	603.1
33°	584.3	584.6	586.7	586.4	587.2	586.2	587.0	586.8	588.0	583.4	596.3
33.5°	580.0	580.5	581.7	581.9	582.2	580.9	580.3	581.7	581.6	579.4	590.8
34°	573.6	572.9	577.6	576.2	576.7	575.1	576.7	577.2	577.2	574.0	585.3
34.5°	566.9	568.7	571.0	570.1	571.3	570.4	570.6	572.4	571.8	567.4	579.7
35°	561.6	563.1	564.9	564.5	565.8	564.2	565.2	564.8	566.6	563.3	574.2
35.5°	555.1	558.4	563.4	559.1	560.3	559.1	559.9	560.5	560.8	557.7	569.3
36°	549.9	551.4	555.2	554.4	554.6	554.4	554.5	555.8	553.6	552.6	563.3
36.5°	544.4	541.4	547.6	548.2	548.6	548.4	548.7	548.7	550.4	546.7	557.0
37°	535.8	540.1	542.1	543.0	543.5	542.6	543.0	543.6	542.2	541.4	551.5
37.5°	531.1	533.9	536.1	536.6	537.7	537.0	537.4	539.6	538.7	535.1	546.4
38°	526.8	524.7	530.7	531.4	531.7	530.4	531.6	531.5	537.6	530.7	541.1
38.5°	522.5	524.4	525.1	526.1	526.3	525.1	525.4	526.8	525.9	523.7	534.4
39°	512.0	518.8	519.5	519.8	520.6	519.6	520.7	520.7	525.9	519.0	528.5
39.5°	508.6	511.1	512.6	513.9	514.7	514.2	514.6	515.7	516.1	511.8	525.4
40°	499.3	503.3	506.7	507.9	509.0	507.9	508.9	510.1	510.4	506.8	515.5
40.5°	496.4	499.9	501.1	501.4	503.2	502.0	502.7	502.8	503.3	500.5	511.2
41°	488.7	491.5	494.0	492.9	497.1	495.9	496.9	497.1	498.6	492.8	502.0
41.5°	483.6	484.6	487.9	489.5	491.1	491.1	491.1	491.2	492.1	490.4	496.5
42°	476.3	480.4	483.5	484.4	485.6	484.3	485.0	487.3	486.8	484.5	493.1
42.5°	469.9	473.9	476.9	477.7	478.6	479.0	479.2	478.2	480.1	477.2	487.8
43°	463.5	466.2	469.3	472.9	473.3	472.6	472.9	473.5	470.4	472.2	481.3
43.5°	457.6	462.5	463.5	465.0	467.0	466.2	467.2	468.5	468.2	465.0	477.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	437.9	443.4	444.8	446.7	449.1	448.5	449.1	449.0	450.1	448.6	456.8
45.5°	432.1	436.9	439.9	443.0	443.0	441.7	443.2	443.5	445.0	441.2	451.8
46°	425.7	430.5	433.3	434.4	437.0	436.6	436.7	437.4	438.4	435.1	445.8
46.5°	418.7	423.7	427.4	429.0	430.5	430.6	431.7	431.5	432.3	428.6	436.7
47°	412.9	418.8	420.8	422.5	424.7	424.7	424.9	424.7	425.6	424.0	431.1
47.5°	407.2	411.0	414.9	421.4	418.5	418.4	419.0	419.4	420.0	418.3	426.8
48°	400.5	404.5	409.2	411.1	412.6	412.4	412.3	413.2	414.5	414.2	419.1
48.5°	394.0	399.0	403.0	404.1	406.5	406.4	407.9	407.5	408.4	404.5	413.2
49°	388.3	391.9	395.2	397.1	400.3	400.1	400.8	401.3	401.5	400.3	408.8
49.5°	381.9	385.5	390.8	395.2	394.3	394.6	394.8	395.1	395.9	394.7	401.8
50°	375.5	379.7	384.8	386.8	388.5	388.3	388.6	389.0	389.8	387.6	396.9
50.5°	369.2	373.5	378.4	379.2	382.2	382.6	382.5	383.3	383.3	383.4	388.6
51°	363.3	367.5	371.5	374.3	376.0	376.2	377.5	377.6	377.5	374.0	382.8
51.5°	356.4	361.0	365.7	367.6	370.1	369.8	372.4	371.0	371.5	369.1	376.6
52°	350.8	355.0	360.3	361.8	364.0	363.9	365.0	365.3	365.7	364.7	370.8
52.5°	345.0	348.8	354.6	357.6	358.1	358.6	358.5	359.0	359.3	356.9	364.3
53°	338.9	343.1	348.5	350.8	351.9	353.1	352.3	352.6	353.2	352.7	359.4
53.5°	333.0	336.9	342.2	343.8	345.7	346.9	346.3	346.8	346.8	345.6	352.8
54°	326.2	330.7	335.5	337.5	340.0	340.3	341.9	341.0	341.3	339.8	345.7
54.5°	321.3	324.7	328.8	332.4	333.8	333.9	334.8	334.7	335.4	333.6	342.0
55°	314.6	319.3	324.1	326.5	328.0	328.2	328.4	328.8	329.4	328.0	333.5
55.5°	309.0	313.0	317.0	321.5	322.0	322.2	321.6	322.4	324.1	321.6	329.0
56°	302.9	307.1	311.9	314.7	316.1	318.3	316.0	316.8	317.4	315.7	321.6
56.5°	297.3	301.4	305.8	308.5	310.2	310.5	311.5	310.7	311.7	310.5	315.7
57°	291.8	295.4	300.9	302.2	304.1	304.2	304.6	304.6	304.4	304.1	311.3
57.5°	285.7	289.5	293.5	296.3	298.3	297.5	297.9	298.6	299.4	299.7	304.8
58°	280.1	284.0	288.2	291.1	292.2	292.7	292.4	293.0	293.6	292.3	295.6
58.5°	274.2	277.8	282.5	285.4	286.4	287.6	286.6	287.8	287.3	286.4	292.0
59°	268.7	272.3	276.0	278.7	280.8	281.3	281.1	280.8	280.9	280.4	286.4
59.5°	263.3	264.3	271.6	272.6	274.9	274.6	274.4	275.1	275.2	274.5	281.2
60°	257.8	260.9	264.8	267.0	269.5	268.7	268.4	270.1	269.8	269.4	275.2
60.5°	252.2	255.5	260.6	261.1	263.2	264.2	263.3	263.2	263.6	263.5	269.2
61°	246.6	250.1	252.4	255.9	256.9	258.0	257.5	256.3	257.9	257.4	263.4
61.5°	241.3	244.6	248.8	249.9	251.4	251.3	251.3	251.5	252.5	252.2	256.2
62°	235.9	238.9	242.6	244.3	245.6	245.7	245.6	245.6	246.4	246.1	251.8
62.5°	230.7	233.5	236.8	238.4	240.6	240.3	239.8	240.0	241.3	240.4	245.0
63°	225.2	228.2	231.3	232.8	234.5	234.4	233.8	233.9	235.1	234.6	239.9
63.5°	220.1	222.8	225.9	226.5	228.8	228.2	228.2	228.0	229.2	229.0	233.9
64°	214.9	217.5	220.2	222.7	223.4	222.9	222.3	223.1	224.8	223.1	228.6
64.5°	209.7	212.2	215.1	218.2	217.7	217.4	216.7	218.0	217.9	217.9	223.4
65°	204.7	207.2	209.7	211.6	211.8	211.3	210.9	211.3	211.6	212.3	216.5
65.5°	199.8	201.9	204.3	205.8	206.2	205.8	206.0	205.5	206.8	206.5	211.1
66°	194.5	196.9	199.0	200.3	201.1	200.3	199.7	199.8	201.3	201.1	205.8



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	179.8	181.7	183.5	184.1	184.4	183.3	182.7	183.2	184.3	183.6	189.6
68°	175.2	176.8	178.3	179.7	179.1	178.1	177.3	177.5	178.8	179.3	184.1
68.5°	170.3	171.8	173.3	173.7	173.7	172.5	171.8	172.2	173.1	173.8	178.8
69°	165.6	166.9	168.3	168.6	168.4	167.1	166.2	166.6	167.6	167.9	173.7
69.5°	160.9	162.1	163.1	163.2	162.9	161.4	160.7	160.7	161.9	162.7	167.8
70°	156.3	157.4	158.1	158.3	158.1	156.4	155.2	155.5	156.4	157.1	162.7
70.5°	151.6	152.5	153.3	153.1	152.5	150.8	149.8	150.2	151.2	153.0	157.3
71°	146.9	148.0	148.4	148.3	147.3	145.7	144.7	144.5	146.3	147.0	151.9
71.5°	142.5	143.4	143.9	143.5	142.3	140.8	139.2	139.4	140.8	141.9	147.7
72°	138.2	138.7	139.1	138.6	137.0	135.1	134.0	134.0	135.5	136.7	141.9
72.5°	133.7	134.4	134.0	133.6	132.0	129.9	128.5	129.0	129.8	131.7	135.9
73°	129.4	129.6	129.9	128.7	127.0	124.8	123.3	124.0	124.8	126.8	131.6
73.5°	125.1	125.4	124.9	123.9	122.2	119.5	118.3	118.9	119.7	121.9	126.8
74°	120.7	120.8	120.6	119.1	117.1	114.3	112.9	113.9	114.7	117.0	122.0
74.5°	116.6	116.5	116.2	114.5	112.4	109.6	107.8	108.9	109.7	112.1	117.3
75°	112.6	112.4	111.5	109.9	107.5	104.6	102.7	103.7	105.0	107.2	112.5
75.5°	108.5	108.2	107.5	105.4	102.9	100.0	97.8	98.4	100.0	102.3	107.7
76°	104.4	104.0	103.9	100.9	98.1	94.8	92.9	93.3	95.0	97.8	102.9
76.5°	100.5	99.8	98.9	96.4	93.5	90.3	87.9	88.6	90.1	92.5	98.3
77°	96.5	95.8	94.5	92.1	89.0	85.6	83.1	83.7	85.6	87.8	93.6
77.5°	92.6	91.8	90.3	87.6	84.5	80.5	78.4	78.8	80.3	83.1	89.1
78°	88.8	87.9	86.3	83.3	80.1	76.3	73.8	74.0	75.9	78.6	84.9
78.5°	85.1	84.1	82.1	79.3	75.9	71.9	69.2	69.4	71.0	74.1	80.1
79°	81.5	80.2	78.1	75.3	71.5	67.6	64.7	64.8	66.6	69.7	76.2
79.5°	77.8	76.5	74.3	71.2	67.4	63.2	60.2	60.3	61.9	65.3	71.4
80°	74.4	72.9	70.5	67.2	63.2	59.0	55.9	55.7	57.7	61.0	66.7
80.5°	71.0	69.4	67.0	63.4	59.3	55.0	51.5	51.5	53.5	56.9	63.5
81°	67.6	65.9	63.3	59.7	55.4	51.7	47.8	47.5	49.4	53.0	59.1
81.5°	64.4	62.6	59.7	56.0	51.3	47.9	44.0	43.3	45.2	49.1	55.7
82°	61.3	59.4	56.6	52.4	48.0	44.2	40.3	39.2	41.3	45.2	51.3
82.5°	58.2	56.2	53.3	49.3	44.7	40.4	36.6	35.4	37.5	41.5	47.7
83°	55.2	53.2	50.4	46.2	41.4	36.6	33.0	31.8	33.8	37.7	44.1
83.5°	52.2	50.5	47.5	43.1	38.1	33.3	29.6	28.3	30.3	34.4	40.7
84°	49.7	47.8	44.7	40.1	35.0	30.0	26.2	25.0	27.1	31.1	37.4
84.5°	47.2	45.1	41.8	37.0	31.9	26.8	23.1	21.8	23.8	28.1	34.3
85°	44.8	42.5	38.9	34.2	29.0	23.7	20.0	18.8	20.8	25.0	31.1
85.5°	42.3	39.8	36.3	31.5	26.2	20.9	17.1	16.2	17.9	22.3	28.2
86°	39.9	37.3	33.8	28.9	23.6	18.2	14.3	13.6	15.5	19.4	25.5
86.5°	37.5	34.9	31.3	26.5	21.1	15.8	11.8	11.1	13.2	16.9	22.8
87°	35.2	32.6	28.9	24.2	18.9	13.6	9.5	8.5	10.8	14.9	20.3
87.5°	33.1	30.5	26.8	22.1	16.8	11.5	7.5	6.0	8.5	12.8	17.9
88°	30.9	28.4	24.7	20.0	14.8	9.6	5.5	4.1	6.1	10.8	16.0
88.5°	28.9	26.3	22.6	18.1	13.0	8.0	4.4	2.6	4.4	8.8	14.1



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	23.4	20.9	17.4	13.1	8.6	4.6	1.3	0.2	1.4	4.2	8.3
90.5°	21.8	19.3	15.9	11.7	7.4	3.8	0.9	0.2	0.9	3.2	7.0
91°	20.2	17.8	14.4	10.4	6.3	3.0	0.6	0.2	0.6	2.5	5.8
91.5°	18.7	16.3	13.1	9.3	5.4	2.2	0.5	0.1	0.5	1.9	4.8
92°	17.2	15.0	11.8	8.2	4.7	1.7	0.3	0.1	0.4	1.6	4.0
92.5°	15.9	13.7	10.6	7.2	4.1	1.4	0.3	0.1	0.4	1.3	3.3
93°	14.7	12.5	9.6	6.3	3.4	1.1	0.2	0.1	0.4	1.2	2.8
93.5°	13.5	11.4	8.6	5.5	2.8	1.0	0.2	0.1	0.4	1.1	2.5
94°	12.4	10.4	7.7	5.0	2.4	0.8	0.2	0.1	0.3	1.1	2.2
94.5°	11.3	9.5	6.9	4.4	2.1	0.7	0.2	0.2	0.3	1.0	2.1
95°	10.4	8.5	6.2	3.9	1.8	0.7	0.2	0.2	0.3	1.0	2.0
95.5°	9.5	7.7	5.5	3.3	1.6	0.6	0.2	0.2	0.3	1.0	1.9
96°	8.7	7.0	5.0	3.0	1.5	0.5	0.2	0.2	0.3	1.0	1.8
96.5°	7.9	6.3	4.6	2.7	1.4	0.5	0.2	0.2	0.3	0.9	1.8
97°	7.2	5.8	4.1	2.4	1.2	0.4	0.2	0.3	0.3	0.9	1.7
97.5°	6.6	5.3	3.6	2.2	1.1	0.4	0.2	0.3	0.3	0.9	1.7
98°	6.0	4.9	3.3	2.1	1.0	0.4	0.3	0.3	0.3	0.9	1.7
98.5°	5.5	4.4	3.0	1.9	1.0	0.4	0.3	0.3	0.3	0.9	1.7
99°	5.1	4.0	2.8	1.8	0.9	0.4	0.3	0.4	0.3	0.9	1.6
99.5°	4.8	3.7	2.7	1.6	0.8	0.4	0.4	0.4	0.3	0.9	1.6
100°	4.4	3.4	2.5	1.5	0.7	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	0.8	1.6
101.5°	3.6	3.0	2.2	1.3	0.7	0.5	0.5	0.5	0.4	0.8	1.6
102°	3.4	2.8	2.0	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
102.5°	3.3	2.7	1.9	1.1	0.7	0.6	0.6	0.6	0.5	0.9	1.6
103°	3.1	2.5	1.8	1.1	0.7	0.6	0.6	0.6	0.6	0.9	1.6
103.5°	3.0	2.4	1.7	1.0	0.7	0.6	0.7	0.7	0.6	0.8	1.6
104°	2.8	2.3	1.6	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°	2.5	2.1	1.5	1.0	0.8	0.7	0.8	0.9	0.7	0.8	1.6
105.5°	2.4	1.9	1.4	0.9	0.8	0.8	0.8	0.9	0.8	0.8	1.6
106°	2.3	1.9	1.4	0.9	0.9	0.8	0.9	1.0	0.9	0.9	1.6
106.5°	2.2	1.8	1.3	0.9	0.9	0.8	1.1	1.0	1.1	0.9	1.6
107°	2.1	1.7	1.2	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	1.5	1.2	1.0	1.0	0.9	1.3	1.1	1.2	0.9	1.5
108.5°	1.8	1.5	1.1	1.0	0.9	0.9	1.2	1.2	1.2	0.9	1.5
109°	1.7	1.4	1.1	1.0	0.9	0.9	1.2	1.2	1.2	0.9	1.4
109.5°	1.6	1.4	1.1	1.0	0.9	0.9	1.2	1.2	1.1	1.0	1.4
110°	1.6	1.3	1.1	1.1	1.0	1.0	1.2	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	1.3
111°	1.4	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.3



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.3	1.2	1.2	1.1	1.1	1.1	1.3	1.3	1.2	1.1	1.2
113°	1.3	1.3	1.3	1.0	1.1	1.2	1.4	1.3	1.2	1.2	1.2
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	1.2	1.3	1.0
115.5°	1.3	1.4	1.4	1.0	1.2	1.3	1.4	1.4	1.2	1.3	1.1
116°	1.4	1.4	1.3	1.0	1.2	1.3	1.4	1.4	1.2	1.3	1.1
116.5°	1.4	1.4	1.3	1.1	1.2	1.4	1.4	1.4	1.2	1.3	1.1
117°	1.4	1.4	1.2	1.1	1.2	1.4	1.4	1.4	1.2	1.3	1.1
117.5°	1.5	1.4	1.1	1.1	1.2	1.5	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	1.6	1.2
119°	1.5	1.4	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	1.2	1.3	1.7	1.4	1.3	1.2	1.8	1.2
120°	1.5	1.2	1.2	1.3	1.4	1.6	1.4	1.3	1.3	1.6	1.2
120.5°	1.6	1.2	1.2	1.3	1.4	1.6	1.5	1.3	1.3	1.6	1.2
121°	1.5	1.2	1.2	1.3	1.4	1.6	1.5	1.3	1.3	1.6	1.3
121.5°	1.4	1.2	1.3	1.3	1.4	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	1.5	1.4	1.3	1.6	1.3
123°	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.4	1.3	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	1.6	1.4
125°	1.2	1.3	1.4	1.5	1.7	1.6	1.6	1.4	1.4	1.7	1.5
125.5°	1.3	1.4	1.4	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	1.6	1.4	1.4	1.7	1.5
126.5°	1.3	1.4	1.5	1.6	1.9	1.6	1.6	1.4	1.4	1.7	1.6
127°	1.3	1.4	1.5	1.6	2.0	1.6	1.7	1.4	1.4	1.6	1.6
127.5°	1.4	1.4	1.6	1.6	2.0	1.6	1.7	1.4	1.4	1.6	1.8
128°	1.4	1.5	1.6	1.6	2.1	1.6	1.7	1.5	1.4	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	1.5	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°	1.5	1.6	1.7	1.9	1.9	1.6	1.7	1.5	1.5	1.5	1.9
132°	1.6	1.6	1.7	2.0	1.9	1.6	1.7	1.5	1.5	1.5	1.9
132.5°	1.6	1.6	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	1.8
133.5°	1.6	1.7	1.8	2.3	1.9	1.6	1.7	1.5	1.5	1.5	1.8



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	1.7	1.8	1.9	2.5	1.9	1.6	1.7	1.6	1.5	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	1.9	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	1.6	2.0
137°	1.8	1.8	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	2.2	2.0	1.7	1.8	1.6	1.6	1.7	1.9
138°	1.8	1.9	2.3	2.2	1.9	1.8	1.8	1.6	1.6	1.7	1.9
138.5°	1.8	1.9	2.5	2.2	1.9	1.8	1.8	1.6	1.6	1.7	1.9
139°	1.9	2.0	2.6	2.2	1.9	1.8	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	1.6	1.6	1.8	1.9
140.5°	1.9	2.2	2.6	2.2	1.7	1.9	1.9	1.7	1.6	1.8	1.8
141°	2.0	2.3	2.6	2.2	1.7	1.9	1.9	1.7	1.7	1.8	1.8
141.5°	2.0	2.4	2.5	2.2	1.7	1.9	1.9	1.7	1.7	1.9	1.8
142°	2.1	2.5	2.4	2.2	1.7	1.9	1.9	1.7	1.7	1.9	1.8
142.5°	2.1	2.6	2.3	2.2	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	2.2	2.2	1.7	1.9	1.8	1.7	1.7	1.9	1.8
144°	2.5	2.6	2.2	2.1	1.7	1.9	1.8	1.7	1.7	1.9	1.8
144.5°	2.7	2.6	2.2	2.1	1.7	1.9	1.8	1.7	1.7	1.9	1.8
145°	2.8	2.5	2.2	2.0	1.7	2.0	1.8	1.7	1.7	2.0	1.8
145.5°	2.8	2.4	2.3	2.0	1.7	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°	2.6	2.3	2.3	1.9	1.8	2.0	1.8	1.7	1.7	2.0	1.8
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	2.2	2.2	1.8	1.8	2.0	1.8	1.7	1.7	2.0	1.9
148°	2.3	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	2.1	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	1.8	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	1.7	1.7	1.7	2.0	2.0
151.5°	2.3	2.1	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	2.0
152.5°	2.3	2.0	1.7	1.7	1.9	2.0	1.8	1.7	1.6	2.0	2.0
153°	2.2	1.9	1.6	1.7	1.9	2.0	1.8	1.7	1.6	2.0	2.0
153.5°	2.1	1.8	1.6	1.8	1.9	2.0	1.7	1.7	1.6	2.0	2.1
154°	2.0	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	1.8	2.0	1.9	1.7	1.7	1.6	2.0	2.1



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	1.6	1.6	1.7	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	1.9	1.9	1.8	1.6	1.4	1.6	2.0
159.5°	1.6	1.7	1.8	1.9	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	1.7	1.6	1.5	1.8	1.7
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°	1.7	1.8	1.9	2.0	1.9	1.7	1.4	1.5	1.5	1.8	2.0
162°	1.8	1.8	1.9	1.9	1.8	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	1.9	1.8	1.9	1.6	1.6	1.5	1.5	1.7	2.0
163.5°	1.8	1.9	2.0	1.8	1.8	1.6	1.7	1.4	1.5	1.7	1.9
164°	1.8	1.9	2.0	1.9	1.7	1.7	1.7	1.4	1.5	1.7	1.9
164.5°	1.9	1.9	2.0	2.0	1.6	1.7	1.6	1.4	1.5	1.7	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	1.9	1.7	1.7	1.5	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°	1.9	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	1.2	1.2	1.3	1.6
168°	2.0	1.9	1.9	1.9	1.6	1.3	1.2	1.2	1.2	1.2	1.4
168.5°	2.0	1.8	1.9	1.8	1.6	1.2	1.2	1.2	1.2	1.2	1.3
169°	2.0	1.9	1.8	1.7	1.4	1.2	1.2	1.2	1.2	1.2	1.3
169.5°	1.9	1.9	1.5	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.3
170°	1.9	1.9	1.4	1.5	1.2	1.2	1.2	1.2	1.3	1.2	1.3
170.5°	1.9	1.9	1.5	1.3	1.2	1.2	1.2	1.3	1.3	1.2	1.3
171°	1.8	1.7	1.6	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3
171.5°	1.7	1.7	1.4	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3
172°	1.7	1.6	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3
172.5°	1.7	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
173°	1.7	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
173.5°	1.7	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
174°	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
174.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
175°	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
175.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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	1.2	1.2	1.2	1.3	1.3	1.3	1.3
177°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3
177.5°	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3
178°	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.4	1.4	1.3
178.5°	1.2	1.2	1.4	1.3	1.4	1.6	1.7	1.7	1.7	1.7	1.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4	782.4
0.5°	783.4	782.1	782.3	786.2	783.6	782.6	781.6	782.2	783.7	783.3	782.1
1°	785.6	781.6	782.3	783.4	783.9	783.7	781.2	781.4	782.8	781.5	782.1
1.5°	782.0	782.0	781.6	783.0	783.3	781.7	781.8	782.7	782.8	783.4	781.9
2°	780.9	781.3	781.6	783.1	783.3	785.4	781.2	780.5	783.3	783.3	783.6
2.5°	780.9	780.9	780.8	784.9	782.6	782.5	781.4	781.5	782.9	784.8	782.0
3°	780.2	780.5	780.5	781.8	781.8	782.1	779.8	781.1	782.9	783.6	781.5
3.5°	779.3	780.0	779.9	780.4	781.2	780.7	780.9	780.4	781.7	782.3	780.3
4°	778.8	778.6	779.6	781.6	780.3	780.5	780.0	779.9	781.3	780.7	780.9
4.5°	777.4	777.8	778.4	782.0	781.1	780.8	779.8	779.4	780.7	780.9	780.0
5°	776.2	777.5	777.8	779.0	779.9	777.7	778.6	778.5	780.3	780.4	779.1
5.5°	775.5	776.0	776.3	782.2	778.3	780.0	776.8	777.9	779.2	780.1	778.8
6°	774.4	774.8	775.2	777.6	777.1	776.3	777.5	777.2	778.6	779.0	778.8
6.5°	773.5	773.5	774.3	775.2	776.1	775.0	776.1	776.2	777.2	778.3	777.2
7°	771.9	772.3	773.4	774.8	774.6	775.3	774.4	774.4	776.9	777.6	776.3
7.5°	770.4	771.3	771.7	772.8	773.7	775.9	774.0	773.7	775.2	775.7	774.8
8°	769.3	769.8	770.3	772.5	772.2	772.3	770.6	772.3	774.4	774.9	774.0
8.5°	768.0	767.8	768.9	770.3	771.2	768.1	770.0	770.7	772.9	773.3	772.3
9°	765.7	766.2	767.0	768.2	767.9	769.9	767.5	769.6	771.7	771.9	771.0
9.5°	763.9	764.6	765.1	767.6	767.0	769.0	766.8	767.9	770.1	771.6	769.9
10°	762.6	763.1	763.0	765.9	765.7	765.6	765.8	766.7	768.1	772.5	768.6
10.5°	760.4	760.4	761.9	763.9	763.8	763.6	764.1	764.4	766.8	769.0	766.7
11°	758.2	758.7	759.9	763.1	763.9	761.7	763.4	762.7	764.7	780.9	764.6
11.5°	755.9	756.7	757.5	762.0	760.1	759.4	761.3	760.7	763.1	763.1	761.8
12°	753.5	754.6	755.3	757.1	758.2	757.5	758.7	759.1	761.2	761.4	760.9
12.5°	751.8	752.5	753.8	754.0	755.5	754.5	756.2	757.5	758.5	759.5	758.8
13°	749.2	750.3	751.3	753.2	752.7	756.5	755.1	754.7	756.6	757.4	758.4
13.5°	747.1	747.4	748.3	757.5	752.6	748.5	750.5	753.5	754.3	755.5	754.6
14°	743.8	745.1	745.8	747.9	748.9	746.7	749.5	750.1	751.8	752.9	752.6
14.5°	741.5	742.6	742.9	745.5	746.7	748.2	746.0	747.0	749.8	750.2	750.1
15°	739.2	740.2	740.6	742.8	747.5	748.2	743.9	745.4	747.4	748.4	747.6
15.5°	736.6	736.8	737.8	738.4	739.6	741.4	740.9	742.8	744.8	745.4	745.6
16°	733.0	733.9	735.1	739.8	736.8	740.2	738.6	739.7	741.8	743.3	742.1
16.5°	730.7	731.1	731.8	734.0	734.1	737.7	735.6	737.5	738.8	740.1	739.1
17°	727.8	728.4	729.1	732.0	731.9	733.1	733.0	734.1	735.6	737.5	736.6
17.5°	724.3	725.0	725.7	729.8	728.5	728.2	729.7	730.2	733.2	734.0	734.6
18°	720.9	721.7	723.0	723.4	725.1	727.0	727.1	727.6	729.9	731.4	731.9
18.5°	717.8	718.8	719.5	722.0	723.4	723.1	723.3	724.5	726.8	728.7	728.2
19°	714.2	715.4	716.3	720.5	719.1	717.7	719.4	722.5	723.3	724.8	725.0
19.5°	711.7	711.5	712.8	713.8	714.9	716.2	717.2	714.0	720.3	721.5	722.5
20°	707.3	708.2	709.2	711.6	711.0	712.7	712.9	713.0	716.8	718.6	718.8
20.5°	703.7	704.8	705.3	707.8	708.6	708.5	709.3	711.3	713.2	715.3	715.2
21°	699.5	700.7	701.8	704.2	702.3	703.4	705.1	708.8	708.6	711.3	711.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	688.5	689.1	690.1	690.0	692.5	693.2	694.0	694.9	699.4	700.0	701.0
23°	684.7	685.3	686.2	685.5	687.7	689.4	690.1	690.8	694.6	696.4	696.3
23.5°	680.5	681.2	681.8	684.3	683.4	685.6	685.9	687.6	690.7	692.8	693.2
24°	676.2	677.2	677.9	680.5	681.2	681.1	682.3	683.9	686.6	688.7	689.1
24.5°	671.8	672.7	673.3	678.5	675.3	673.1	677.7	680.0	682.7	684.2	685.4
25°	667.5	668.2	668.9	670.7	669.9	673.7	673.4	675.6	677.9	680.4	680.8
25.5°	663.0	664.1	664.5	665.5	667.6	668.1	668.5	670.6	674.0	676.3	677.5
26°	659.1	659.6	660.4	661.1	662.7	662.7	664.7	666.5	668.5	671.9	672.0
26.5°	654.7	655.2	655.2	656.9	657.5	658.4	660.9	660.9	665.1	667.2	668.6
27°	649.7	650.3	651.1	653.1	652.7	653.1	654.8	657.1	655.1	662.9	663.3
27.5°	645.5	645.3	645.9	648.2	648.2	648.6	651.7	652.5	656.1	658.1	659.9
28°	640.1	640.5	641.2	641.8	641.9	643.6	644.6	648.7	650.9	653.5	655.0
28.5°	635.7	635.9	636.7	636.4	637.9	641.5	639.0	642.0	646.0	649.7	649.7
29°	630.5	631.3	631.9	635.9	632.6	634.1	633.6	640.0	642.2	644.9	645.5
29.5°	625.6	626.0	626.7	627.3	628.8	628.6	631.0	633.2	636.6	639.7	640.1
30°	620.9	621.0	621.3	623.4	622.6	623.4	625.2	624.3	631.5	634.8	635.8
30.5°	615.6	616.0	616.2	617.7	617.4	617.1	620.0	622.9	626.7	629.5	630.9
31°	610.4	610.9	611.3	611.7	612.2	612.7	613.1	619.0	621.4	624.8	628.6
31.5°	605.7	605.9	605.7	606.7	605.8	609.0	608.6	610.4	615.9	619.1	621.0
32°	600.3	600.7	600.7	602.4	602.0	601.4	603.3	608.3	611.2	614.6	616.0
32.5°	595.4	595.1	595.1	595.9	595.6	596.7	598.3	601.0	605.6	609.6	611.2
33°	589.8	590.0	589.8	589.4	590.0	588.4	592.3	596.7	600.2	604.0	605.7
33.5°	584.5	584.3	583.8	584.3	585.1	581.3	586.6	589.4	594.8	598.7	600.3
34°	579.0	578.5	578.3	579.2	578.9	584.9	580.4	585.2	589.5	592.8	594.6
34.5°	574.0	573.7	573.1	573.7	572.4	572.3	575.5	579.6	583.8	587.5	589.2
35°	568.2	567.7	567.3	568.1	567.0	563.7	570.3	571.9	578.0	582.1	584.6
35.5°	562.7	562.2	561.4	562.3	561.3	563.3	564.4	567.6	572.7	576.5	578.8
36°	556.9	556.5	555.8	557.5	555.8	557.6	557.7	560.5	566.8	571.1	573.8
36.5°	552.2	551.3	550.3	550.4	549.1	548.5	553.4	555.7	561.1	565.8	567.9
37°	545.7	545.5	544.2	543.1	542.5	543.7	545.2	550.2	555.0	559.9	562.2
37.5°	539.9	539.3	538.0	538.1	538.2	537.7	540.3	544.0	548.9	554.0	557.4
38°	534.1	533.5	532.5	532.6	530.8	530.4	533.6	538.4	543.4	548.0	549.9
38.5°	528.5	527.6	526.5	526.5	525.2	525.3	527.7	532.2	537.5	542.1	544.8
39°	522.8	521.7	520.6	521.9	518.5	518.2	521.1	526.1	531.5	536.4	539.4
39.5°	517.0	516.1	514.4	513.4	512.8	515.6	514.7	520.2	525.5	530.3	533.4
40°	510.8	509.7	508.2	507.3	506.7	507.2	508.4	513.9	519.3	524.8	526.9
40.5°	505.0	504.1	502.2	501.6	499.8	501.3	502.3	507.2	512.9	518.2	521.5
41°	499.1	497.9	495.9	494.9	497.9	494.8	496.6	500.6	507.0	512.7	516.1
41.5°	493.5	491.8	490.1	494.0	488.1	487.6	490.7	494.2	501.2	506.3	510.1
42°	487.3	486.1	484.1	482.6	480.5	482.0	483.9	488.1	495.1	500.2	503.6
42.5°	481.1	479.6	477.8	475.8	474.5	476.3	477.5	482.0	488.9	494.0	497.6
43°	475.1	473.7	471.6	469.2	469.2	468.5	471.5	475.9	482.2	488.1	492.4
43.5°	469.4	467.7	465.4	464.0	462.2	461.9	465.1	468.8	475.9	481.7	485.7



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	451.0	449.1	446.5	446.2	444.0	443.4	446.0	452.0	457.8	463.3	467.2
45.5°	444.8	442.9	440.6	438.9	436.9	437.2	439.1	443.4	451.3	457.3	461.8
46°	439.0	436.8	434.3	432.1	431.0	430.9	432.4	440.2	444.9	451.3	454.9
46.5°	432.6	430.4	428.2	427.3	424.8	424.5	427.0	432.9	438.6	445.0	448.8
47°	426.6	424.5	421.6	419.6	416.5	418.3	420.4	427.3	432.3	438.6	442.5
47.5°	420.7	418.3	415.7	412.6	412.2	411.9	414.1	420.2	426.1	432.3	436.6
48°	414.3	412.3	409.3	407.7	405.6	405.6	408.2	412.3	419.8	426.0	430.5
48.5°	408.3	406.1	403.3	400.6	398.6	399.2	401.8	405.6	413.5	420.0	425.6
49°	402.0	400.2	396.9	395.3	390.4	393.2	395.0	400.7	407.3	413.5	417.7
49.5°	396.1	393.8	390.8	388.6	386.9	386.7	388.7	392.6	401.1	407.6	412.6
50°	389.8	387.6	384.7	382.4	380.2	380.7	382.9	387.7	394.9	401.1	404.0
50.5°	383.8	381.5	378.6	376.2	373.6	374.3	376.4	382.3	388.6	394.8	398.9
51°	377.9	375.2	372.5	370.2	368.2	368.3	370.3	374.0	382.4	388.7	393.1
51.5°	372.1	369.2	366.2	363.7	361.7	361.9	364.4	369.2	376.0	382.3	387.2
52°	365.4	363.3	360.2	358.1	355.7	356.0	358.2	361.6	370.1	376.5	381.1
52.5°	359.5	357.0	353.9	351.7	349.5	349.9	352.1	355.9	363.6	370.1	374.7
53°	352.8	351.0	348.1	345.9	343.5	344.0	345.9	351.3	357.9	364.0	368.3
53.5°	336.1	344.9	342.2	338.9	337.1	337.7	339.9	344.4	351.2	357.8	362.3
54°	341.3	339.1	336.0	332.1	331.4	332.1	334.1	339.4	345.4	351.7	356.3
54.5°	334.9	333.0	330.0	328.8	325.9	326.0	328.2	333.8	339.3	345.5	349.9
55°	329.0	327.2	324.0	322.1	319.2	320.3	322.1	326.2	333.2	339.5	344.2
55.5°	323.8	321.3	318.3	315.9	313.1	314.2	316.3	321.5	327.3	333.5	338.3
56°	316.7	315.3	312.3	309.6	308.0	308.2	310.6	315.3	321.2	327.7	331.8
56.5°	311.6	309.4	306.6	304.0	302.6	302.6	304.8	309.5	315.5	321.5	325.9
57°	305.5	303.5	300.6	299.3	297.9	296.6	298.8	303.7	309.5	315.8	319.6
57.5°	300.9	297.4	294.8	292.6	291.2	291.1	293.5	297.9	303.6	309.6	313.8
58°	294.3	291.8	289.1	286.8	286.3	285.2	287.7	291.9	297.9	303.5	307.9
58.5°	288.4	286.2	283.6	281.4	281.4	279.9	282.0	286.2	291.9	297.8	301.9
59°	282.4	280.4	277.8	275.1	270.3	274.1	276.5	280.8	286.3	292.0	296.0
59.5°	276.7	274.6	272.3	270.2	268.0	268.7	271.3	275.0	280.6	286.1	290.1
60°	270.8	268.7	266.5	264.9	263.1	263.1	265.2	269.2	275.0	280.2	283.8
60.5°	266.8	263.4	261.3	259.0	257.4	257.7	260.1	264.1	269.4	274.4	278.3
61°	259.1	257.7	255.6	253.5	252.2	252.4	254.5	258.5	263.7	269.1	272.2
61.5°	255.5	252.3	250.2	248.6	246.7	247.2	249.0	253.2	258.0	263.1	266.7
62°	248.0	246.4	244.3	242.6	241.4	241.9	243.9	247.4	252.3	257.5	260.9
62.5°	242.3	240.9	239.1	237.7	237.0	236.5	238.4	242.0	246.9	251.7	254.8
63°	237.1	235.4	233.8	232.0	230.7	231.5	233.2	236.5	241.6	246.2	249.0
63.5°	231.3	230.1	228.6	226.6	225.9	226.0	228.0	231.3	236.1	240.8	243.7
64°	226.0	224.8	223.2	221.6	220.7	221.1	222.9	226.1	230.5	235.0	237.8
64.5°	220.1	219.3	218.0	216.3	216.0	216.0	217.9	220.9	225.2	229.6	232.2
65°	214.8	213.9	212.7	211.7	211.0	211.2	212.7	216.0	220.2	224.3	226.8
65.5°	209.6	208.7	207.5	206.8	205.7	205.8	207.4	210.8	215.0	218.6	221.1
66°	204.2	203.4	202.2	201.2	200.5	201.1	202.5	205.8	209.6	213.1	215.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	188.3	187.8	187.2	186.6	186.4	186.7	188.0	190.7	194.3	197.4	198.6
68°	183.4	182.8	182.3	182.2	181.4	181.7	183.1	185.7	189.2	192.2	193.9
68.5°	177.6	177.7	177.6	176.8	176.6	177.0	178.3	181.0	184.2	186.9	188.2
69°	172.5	172.6	172.3	172.0	171.8	172.4	173.6	176.2	179.2	181.7	182.6
69.5°	167.2	167.7	167.6	167.4	167.4	167.8	169.1	171.4	174.4	176.8	177.5
70°	162.9	162.8	162.9	162.6	162.5	163.1	164.4	166.7	169.3	171.6	172.5
70.5°	156.8	158.0	158.2	158.0	157.7	158.6	160.2	162.2	164.5	166.6	167.0
71°	151.7	153.1	153.4	153.7	153.8	154.3	155.5	157.3	159.7	161.6	162.3
71.5°	147.3	148.2	148.7	148.9	149.3	149.7	151.1	152.8	155.2	156.7	156.9
72°	142.4	143.4	144.0	144.3	144.7	145.4	146.5	148.3	150.3	151.7	152.1
72.5°	137.3	138.7	139.6	140.3	140.5	140.9	142.1	143.7	145.7	147.0	146.9
73°	132.4	134.1	135.1	135.8	135.8	136.7	138.0	139.2	141.0	142.1	142.2
73.5°	128.0	129.5	130.6	131.4	132.0	132.4	133.4	134.9	136.6	137.4	136.8
74°	123.5	125.3	126.5	127.0	128.1	128.4	129.1	130.6	132.0	132.7	132.2
74.5°	119.0	121.1	122.3	123.0	124.1	124.4	125.2	126.3	127.5	128.1	127.6
75°	114.6	116.9	118.1	119.0	120.0	120.4	121.2	122.3	123.3	123.7	122.9
75.5°	110.0	112.7	113.9	115.0	116.0	116.5	117.2	118.4	119.2	119.3	118.3
76°	101.2	108.5	109.7	111.0	112.0	112.5	113.3	114.4	115.0	114.9	113.7
76.5°	101.3	103.5	105.4	106.8	107.9	108.6	109.3	110.4	110.8	110.5	109.0
77°	96.0	99.4	101.4	103.2	103.8	104.8	105.5	106.2	106.6	106.3	104.4
77.5°	92.1	94.7	97.3	99.4	100.1	100.9	101.7	102.2	102.4	101.8	99.7
78°	87.9	90.2	93.3	95.2	96.3	97.1	97.7	98.0	98.3	97.3	95.2
78.5°	83.5	86.8	89.4	91.4	92.6	93.3	94.0	94.3	94.3	93.2	90.9
79°	79.2	83.6	85.5	87.5	88.7	89.7	90.3	90.5	90.1	89.0	86.5
79.5°	75.1	78.7	81.8	83.9	85.2	86.1	86.6	86.9	86.3	84.9	82.0
80°	71.0	75.3	78.1	80.3	82.3	82.6	83.1	83.1	82.5	80.9	78.0
80.5°	67.6	71.1	74.5	76.8	78.3	79.2	79.5	79.5	78.7	77.0	73.7
81°	63.3	67.3	70.9	73.5	74.9	75.7	76.1	76.0	75.1	73.0	70.0
81.5°	59.6	63.9	67.4	69.9	71.4	72.4	72.7	72.4	71.5	69.3	65.7
82°	56.1	61.4	64.1	66.7	68.4	69.1	69.5	69.0	67.9	65.6	61.9
82.5°	52.6	56.9	60.7	63.5	64.9	65.9	66.0	65.8	64.5	62.1	58.1
83°	49.1	53.7	57.4	60.2	61.7	62.7	63.0	62.5	61.1	58.5	54.5
83.5°	45.8	50.5	54.3	57.0	58.8	59.7	59.9	59.3	57.7	55.0	51.0
84°	43.0	47.3	51.2	54.0	56.0	56.7	56.9	56.2	54.6	51.7	47.6
84.5°	39.5	44.4	48.2	51.0	52.4	53.7	53.8	53.1	51.4	48.6	44.2
85°	36.5	41.3	45.2	48.1	49.9	50.8	50.9	50.1	48.3	45.4	40.9
85.5°	33.7	38.4	42.4	45.3	47.1	48.1	48.1	47.2	45.5	42.3	37.8
86°	30.7	35.7	39.6	42.7	44.4	45.3	45.4	44.4	42.4	39.3	34.8
86.5°	28.1	32.9	36.9	39.9	41.8	42.7	42.6	41.9	39.7	36.5	32.2
87°	25.6	30.4	34.4	37.5	39.2	40.1	40.0	39.1	37.0	33.7	29.3
87.5°	23.2	27.9	32.0	34.9	36.8	37.6	37.5	36.5	34.5	31.1	26.5
88°	20.8	25.6	29.5	32.5	34.3	35.2	35.1	34.0	31.9	28.5	24.0
88.5°	18.6	23.3	27.2	30.2	32.0	32.8	32.8	31.7	29.5	26.1	21.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	13.3	17.2	20.9	23.9	25.5	26.3	26.2	24.9	22.8	19.5	15.6
90.5°	11.7	15.5	19.1	21.8	23.6	24.4	24.2	23.1	20.8	17.6	14.0
91°	10.0	14.1	17.2	20.0	21.7	22.4	22.3	21.1	18.9	15.7	12.4
91.5°	8.4	12.6	15.6	18.2	20.0	20.6	20.4	19.2	17.1	14.3	10.8
92°	7.2	11.2	14.3	16.6	18.2	18.9	18.7	17.6	15.4	12.8	9.1
92.5°	6.2	9.8	12.9	15.1	16.6	17.3	17.1	15.9	14.1	11.4	7.6
93°	5.3	8.4	11.6	13.8	15.2	15.8	15.6	14.5	12.8	10.0	6.5
93.5°	4.6	7.4	10.3	12.6	14.0	14.4	14.2	13.3	11.5	8.6	5.7
94°	4.1	6.5	9.0	11.4	12.8	13.3	13.1	12.1	10.2	7.5	4.9
94.5°	3.6	5.7	8.0	10.2	11.6	12.2	12.0	11.0	8.9	6.7	4.3
95°	3.3	5.1	7.2	9.0	10.4	11.0	10.9	9.8	8.0	5.9	3.9
95.5°	3.0	4.6	6.5	8.1	9.2	9.9	9.8	8.6	7.1	5.3	3.5
96°	2.9	4.2	5.8	7.4	8.4	8.8	8.7	7.8	6.5	4.8	3.2
96.5°	2.8	3.9	5.4	6.7	7.7	8.1	7.9	7.1	5.9	4.4	3.1
97°	2.7	3.7	5.0	6.2	7.0	7.4	7.2	6.5	5.4	4.1	2.9
97.5°	2.6	3.6	4.7	5.7	6.5	6.8	6.7	6.0	5.0	3.9	2.8
98°	2.5	3.5	4.5	5.4	6.0	6.3	6.2	5.6	4.8	3.8	2.8
98.5°	2.5	3.4	4.3	5.1	5.7	5.9	5.8	5.3	4.6	3.7	2.7
99°	2.4	3.3	4.2	4.9	5.4	5.6	5.5	5.1	4.4	3.6	2.6
99.5°	2.4	3.3	4.1	4.8	5.2	5.4	5.3	4.9	4.3	3.5	2.6
100°	2.4	3.2	4.0	4.7	5.1	5.3	5.2	4.8	4.2	3.4	2.5
100.5°	2.4	3.1	3.9	4.6	5.0	5.2	5.1	4.7	4.1	3.3	2.5
101°	2.3	3.1	3.9	4.5	4.9	5.0	5.0	4.6	4.0	3.3	2.5
101.5°	2.3	3.1	3.8	4.4	4.8	4.9	4.8	4.5	3.9	3.2	2.4
102°	2.3	3.0	3.7	4.3	4.7	4.8	4.8	4.4	3.9	3.1	2.4
102.5°	2.3	3.0	3.7	4.2	4.6	4.7	4.7	4.3	3.8	3.1	2.4
103°	2.2	2.9	3.6	4.2	4.5	4.7	4.6	4.2	3.7	3.1	2.3
103.5°	2.2	2.9	3.5	4.1	4.4	4.6	4.5	4.2	3.7	3.0	2.3
104°	2.2	2.9	3.5	4.0	4.4	4.5	4.4	4.1	3.6	3.0	2.2
104.5°	2.2	2.9	3.5	4.0	4.3	4.4	4.3	4.0	3.6	3.0	2.2
105°	2.2	2.8	3.4	3.9	4.2	4.4	4.3	4.0	3.5	2.9	2.2
105.5°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	3.9	3.5	2.9	2.2
106°	2.2	2.7	3.4	3.8	4.1	4.2	4.2	3.9	3.5	2.8	2.2
106.5°	2.2	2.7	3.3	3.8	4.1	4.2	4.1	3.8	3.4	2.8	2.2
107°	2.2	2.7	3.3	3.8	4.0	4.1	4.1	3.8	3.4	2.8	2.1
107.5°	2.1	2.7	3.2	3.7	4.0	4.1	4.0	3.8	3.3	2.7	2.1
108°	2.1	2.7	3.2	3.7	4.0	4.1	4.0	3.7	3.3	2.7	2.1
108.5°	2.1	2.7	3.2	3.6	3.9	4.0	4.0	3.7	3.2	2.7	2.1
109°	2.1	2.7	3.1	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.0
109.5°	2.1	2.6	3.1	3.5	3.8	3.9	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	3.1	2.6	2.0
110.5°	2.1	2.6	3.1	3.5	3.7	3.8	3.7	3.5	3.1	2.6	2.0
111°	2.0	2.6	3.0	3.4	3.7	3.8	3.7	3.4	3.1	2.6	1.9



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.0	2.6	3.0	3.4	3.6	3.6	3.6	3.4	3.0	2.5	1.8
113°	1.9	2.5	3.0	3.3	3.5	3.6	3.5	3.3	3.0	2.5	1.8
113.5°	1.8	2.5	2.9	3.3	3.5	3.6	3.5	3.3	2.9	2.4	1.7
114°	1.7	2.5	2.9	3.3	3.5	3.5	3.5	3.3	2.9	2.4	1.6
114.5°	1.6	2.5	2.9	3.2	3.5	3.5	3.5	3.3	2.9	2.4	1.6
115°	1.6	2.4	2.9	3.2	3.4	3.5	3.4	3.2	2.8	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	2.3	2.9	3.2	3.4	3.4	3.4	3.2	2.8	2.2	1.4
116.5°	1.5	2.3	2.8	3.1	3.3	3.4	3.3	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°	1.4	2.1	2.7	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	3.2	3.3	3.2	3.0	2.6	1.9	1.3
118.5°	1.4	1.9	2.6	3.0	3.2	3.3	3.2	3.0	2.5	1.8	1.3
119°	1.4	1.8	2.6	3.0	3.2	3.3	3.2	3.0	2.5	1.8	1.2
119.5°	1.4	1.8	2.5	2.9	3.1	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	3.0	3.1	3.0	2.7	2.2	1.6	1.1
121°	1.2	1.7	2.2	2.8	2.9	3.1	3.0	2.7	2.1	1.6	1.0
121.5°	1.2	1.6	2.1	2.7	2.9	3.0	2.9	2.6	2.0	1.5	1.0
122°	1.2	1.6	2.0	2.6	2.8	2.9	2.8	2.5	2.0	1.5	1.0
122.5°	1.2	1.6	2.0	2.4	2.7	2.8	2.7	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	1.4	1.0
123.5°	1.2	1.5	1.9	2.2	2.5	2.7	2.6	2.2	1.8	1.4	1.0
124°	1.2	1.5	1.8	2.2	2.4	2.6	2.5	2.1	1.8	1.4	1.0
124.5°	1.3	1.5	1.8	2.1	2.3	2.4	2.3	2.1	1.7	1.4	1.1
125°	1.3	1.4	1.8	2.0	2.2	2.3	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	1.9	2.1	2.2	2.1	1.9	1.6	1.1	1.1
126.5°	1.3	1.2	1.7	1.9	2.1	2.1	2.1	1.9	1.6	1.1	1.2
127°	1.4	1.2	1.6	1.8	2.0	2.1	2.0	1.8	1.6	1.1	1.2
127.5°	1.4	1.2	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°	1.4	1.3	1.4	1.7	1.9	1.9	1.9	1.7	1.4	1.2	1.2
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	1.2	1.7	1.8	1.8	1.8	1.6	1.2	1.2	1.3
130°	1.5	1.3	1.2	1.6	1.8	1.8	1.7	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	1.3
131°	1.6	1.4	1.3	1.4	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	1.4	1.3	1.2	1.5	1.6	1.5	1.2	1.2	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	1.4
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	1.2	1.3	1.2	1.2	1.3	1.4	1.5



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.0	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.4	1.5	1.6
135.5°	2.1	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°	2.1	1.7	1.5	1.4	1.4	1.3	1.3	1.4	1.5	1.6	2.0
137°	2.0	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.6	1.9
137.5°	2.0	1.7	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	1.4	1.4	1.4	1.5	1.6	1.7	1.7
138.5°	2.0	1.8	1.6	1.5	1.5	1.4	1.5	1.5	1.6	1.7	1.7
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	1.6	1.8	1.8
140°	2.0	2.1	1.7	1.6	1.6	1.5	1.5	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	2.0	1.8
141°	2.0	2.3	1.8	1.7	1.6	1.6	1.6	1.6	1.7	2.2	1.8
141.5°	2.0	2.2	1.8	1.7	1.6	1.6	1.6	1.7	1.8	2.2	1.8
142°	2.0	2.1	1.9	1.7	1.7	1.6	1.6	1.7	1.8	2.1	1.8
142.5°	2.1	2.0	1.9	1.8	1.7	1.7	1.7	1.7	1.8	2.0	1.8
143°	2.1	2.0	2.0	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	1.7	1.7	1.7	1.8	2.0	2.0	1.8
144°	2.0	2.1	2.3	1.9	1.8	1.7	1.8	1.8	2.2	2.0	1.9
144.5°	2.0	2.1	2.3	1.9	1.8	1.8	1.8	1.9	2.2	2.0	1.9
145°	2.0	2.0	2.2	2.0	1.8	1.8	1.8	1.9	2.2	2.0	1.9
145.5°	2.0	2.0	2.1	2.1	1.9	1.8	1.9	2.0	2.1	1.9	1.8
146°	2.0	2.1	2.1	2.3	1.9	1.9	1.9	2.2	2.0	2.0	1.8
146.5°	2.0	2.1	2.1	2.4	2.1	1.9	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	2.2	2.0	2.0	1.8
147.5°	1.9	2.1	2.1	2.2	2.4	2.2	2.3	2.1	2.0	2.0	1.8
148°	1.9	2.1	2.1	2.1	2.3	2.3	2.3	2.0	2.0	2.0	1.8
148.5°	1.9	2.1	2.0	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	2.0	2.1	2.0	2.0	2.0	2.0	1.8
150°	1.8	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.8
150.5°	1.8	2.0	2.1	2.0	2.1	2.1	2.1	2.0	2.0	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	2.0	2.1	2.0	2.0	2.1	1.9	1.8
152°	1.8	1.9	2.1	2.1	2.0	2.0	2.0	2.1	2.1	1.9	1.8
152.5°	1.8	1.9	2.1	2.1	2.1	2.0	2.0	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	1.9	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9
154.5°	1.9	1.8	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.9	1.9
155°	1.9	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	2.0	2.0	2.0	2.0	1.9	1.9	1.9
156°	2.0	1.8	1.8	1.9	2.0	2.0	2.0	2.0	1.9	1.9	2.0



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.0	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0
158°	1.9	1.9	1.8	1.8	1.8	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	2.0
159°	1.9	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.0
159.5°	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.1
160°	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.9	1.9	2.1	2.1
160.5°	2.1	1.8	1.9	1.9	1.8	1.8	1.8	1.9	2.0	2.1	2.1
161°	2.0	1.8	1.9	1.9	1.8	1.8	1.9	1.9	2.0	2.1	2.1
161.5°	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1
162°	1.9	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1
162.5°	1.7	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.1	2.1	2.1
163°	1.6	2.1	2.0	2.0	2.0	1.9	2.0	2.0	2.1	2.1	2.1
163.5°	1.8	2.1	1.8	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1
164°	2.0	2.1	1.8	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
164.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1
165°	2.0	1.9	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1
165.5°	2.0	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
166°	2.0	1.6	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
166.5°	2.0	1.9	2.1	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.0
167°	1.9	2.0	2.1	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.0
167.5°	1.9	2.0	2.0	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	2.0	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	2.0	1.8
170.5°	1.3	1.4	1.8	1.9	1.9	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	2.0	2.0	1.8
171.5°	1.3	1.3	1.4	1.5	2.0	2.0	2.0	2.0	2.0	2.0	1.7
172°	1.3	1.3	1.4	1.4	1.8	2.0	2.0	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°	1.2	1.3	1.3	1.3	1.8	1.8	1.9	1.9	1.9	1.8	1.6
174°	1.2	1.3	1.3	1.3	1.6	1.7	1.9	1.9	1.9	1.7	1.6
174.5°	1.2	1.3	1.3	1.3	1.3	1.7	1.9	1.9	1.8	1.6	1.4
175°	1.3	1.3	1.3	1.3	1.3	1.6	1.7	1.9	1.7	1.6	1.2
175.5°	1.3	1.2	1.3	1.3	1.2	1.5	1.6	1.8	1.6	1.5	1.2
176°	1.3	1.3	1.2	1.2	1.2	1.3	1.6	1.7	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	1.4	1.4	1.4	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	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	1.0	1.2	1.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	782.4	782.4	782.4	782.4
0.5°	782.9	781.5	779.1	782.5
1°	782.4	781.9	784.2	783.0
1.5°	783.0	781.4	782.2	782.0
2°	782.4	781.4	782.0	782.2
2.5°	782.7	780.9	782.9	781.7
3°	781.9	781.0	781.5	782.6
3.5°	782.1	780.4	781.5	782.0
4°	781.2	779.6	782.5	781.3
4.5°	780.5	780.3	779.9	780.0
5°	780.5	779.1	780.5	780.0
5.5°	779.6	778.4	778.4	779.0
6°	779.4	778.8	779.8	778.2
6.5°	777.5	776.3	777.7	776.5
7°	776.3	775.6	776.9	776.6
7.5°	775.0	775.3	776.4	775.0
8°	774.0	772.7	774.2	773.6
8.5°	773.0	772.1	772.7	772.4
9°	771.9	770.7	771.3	771.6
9.5°	770.0	770.1	771.2	768.9
10°	768.6	767.8	770.7	769.5
10.5°	767.2	766.0	761.6	767.1
11°	765.2	764.9	764.8	764.8
11.5°	763.7	761.9	766.4	764.1
12°	761.7	760.5	766.7	761.0
12.5°	759.4	758.9	756.4	758.8
13°	758.0	756.9	757.2	756.2
13.5°	755.4	755.0	757.4	755.3
14°	753.3	751.6	753.0	751.7
14.5°	751.0	750.1	752.8	749.2
15°	748.0	748.0	750.7	750.1
15.5°	745.9	744.6	742.4	744.5
16°	743.6	741.9	741.6	743.0
16.5°	741.2	739.5	744.4	738.2
17°	737.9	735.8	737.0	738.1
17.5°	734.6	733.8	736.7	734.3
18°	732.3	731.5	733.4	731.9
18.5°	729.5	727.2	728.7	728.6
19°	725.9	725.8	725.9	725.1
19.5°	722.7	721.1	722.7	721.7
20°	719.7	717.7	720.4	719.2
20.5°	716.7	715.4	715.7	715.3
21°	712.9	712.7	713.8	712.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	702.1	700.6	705.9	701.5
23°	698.3	697.5	698.5	698.1
23.5°	694.5	694.5	697.1	696.9
24°	689.9	688.8	689.8	690.9
24.5°	686.3	685.7	686.4	695.6
25°	682.0	680.8	681.8	683.2
25.5°	678.0	677.4	678.6	677.2
26°	673.8	671.7	674.4	672.6
26.5°	670.2	669.9	669.6	669.2
27°	665.7	665.1	666.1	663.9
27.5°	661.1	659.9	661.5	659.4
28°	656.6	655.8	656.6	657.3
28.5°	651.7	651.1	652.4	656.7
29°	647.3	646.2	647.9	643.3
29.5°	642.4	642.4	643.1	642.8
30°	637.4	636.7	637.8	636.3
30.5°	632.8	632.7	633.0	632.5
31°	628.0	627.9	628.6	625.8
31.5°	622.9	621.7	623.6	622.7
32°	617.9	618.2	618.5	615.0
32.5°	612.8	613.4	613.7	613.7
33°	607.9	606.0	608.2	606.6
33.5°	602.7	602.9	603.4	600.7
34°	597.0	597.9	598.1	595.1
34.5°	591.8	592.1	592.8	592.7
35°	586.4	586.7	587.4	586.4
35.5°	581.3	581.3	581.4	580.4
36°	575.6	575.9	578.6	575.6
36.5°	570.2	569.6	570.1	569.8
37°	564.4	564.5	565.7	564.6
37.5°	558.8	558.5	559.3	557.2
38°	553.2	553.2	554.5	549.7
38.5°	547.9	548.0	546.9	544.7
39°	541.9	542.7	542.8	539.1
39.5°	536.2	535.8	536.3	536.8
40°	530.0	530.4	532.1	532.1
40.5°	524.4	525.0	526.1	525.0
41°	518.3	519.2	519.6	517.8
41.5°	512.7	513.5	514.3	517.0
42°	507.1	507.4	508.8	506.6
42.5°	501.0	500.6	500.8	500.1
43°	494.8	495.2	496.6	494.5
43.5°	488.8	489.3	490.1	488.5



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	470.4	470.5	471.8	470.7
45.5°	464.7	464.6	465.6	464.9
46°	458.3	458.8	460.2	456.0
46.5°	452.1	452.8	453.4	452.6
47°	446.2	445.9	447.9	446.8
47.5°	439.9	440.6	441.3	439.5
48°	433.9	434.9	435.4	431.9
48.5°	427.7	429.1	428.8	426.8
49°	421.4	422.3	422.8	423.5
49.5°	415.4	416.2	417.1	414.4
50°	408.9	409.9	410.1	409.8
50.5°	403.1	404.3	403.9	404.6
51°	396.9	397.6	398.0	396.7
51.5°	390.9	392.0	391.9	390.5
52°	384.4	385.4	386.0	384.4
52.5°	378.2	379.4	379.4	378.5
53°	372.3	373.0	373.6	371.5
53.5°	366.2	367.2	367.3	365.8
54°	359.8	360.7	361.2	359.7
54.5°	353.7	354.7	354.8	353.1
55°	347.8	348.3	348.8	347.6
55.5°	341.9	342.4	343.0	341.2
56°	335.3	336.0	336.8	334.9
56.5°	329.4	329.9	330.5	328.8
57°	323.2	323.8	324.5	321.9
57.5°	317.1	318.1	317.5	316.3
58°	311.2	311.9	312.2	311.0
58.5°	305.1	306.0	305.9	304.1
59°	299.1	299.7	300.0	299.2
59.5°	293.0	293.6	293.8	292.0
60°	287.1	287.8	287.7	286.2
60.5°	281.2	281.7	281.8	279.9
61°	275.2	275.8	276.0	274.6
61.5°	269.5	269.5	270.2	268.6
62°	263.4	264.1	264.1	261.9
62.5°	257.4	257.9	257.7	256.2
63°	251.6	252.0	251.6	250.1
63.5°	245.8	246.0	246.0	244.3
64°	239.9	239.9	239.5	237.9
64.5°	234.3	234.4	234.0	232.2
65°	228.5	228.9	228.0	226.2
65.5°	222.8	222.6	222.0	220.3
66°	217.2	217.0	217.0	214.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	200.3	199.7	199.0	196.9
68°	194.8	194.0	193.3	191.4
68.5°	189.2	188.6	187.5	184.9
69°	183.7	182.6	181.6	179.3
69.5°	178.2	177.2	175.9	173.8
70°	172.7	171.4	170.1	168.4
70.5°	167.4	166.0	164.5	162.3
71°	161.9	160.6	158.9	156.5
71.5°	156.7	155.3	153.5	151.0
72°	151.4	149.4	147.9	145.5
72.5°	146.1	144.3	142.2	140.2
73°	140.9	138.7	137.0	134.7
73.5°	135.8	133.6	131.6	129.1
74°	130.8	128.5	126.3	123.7
74.5°	125.9	123.5	121.1	118.3
75°	121.1	118.4	115.8	112.9
75.5°	116.2	113.3	110.6	107.6
76°	111.4	108.2	105.3	102.4
76.5°	106.6	103.2	100.3	97.0
77°	101.9	98.3	95.3	91.9
77.5°	97.0	93.4	90.4	87.4
78°	92.3	88.5	85.3	82.0
78.5°	87.8	83.8	80.6	76.9
79°	83.1	79.1	75.5	72.5
79.5°	78.6	74.3	70.7	67.6
80°	74.2	69.9	66.1	62.8
80.5°	69.9	65.4	61.5	58.3
81°	65.8	61.0	57.0	53.8
81.5°	61.6	56.8	52.7	49.7
82°	57.5	52.6	48.3	45.7
82.5°	53.6	48.6	44.4	41.8
83°	49.7	44.7	40.3	37.8
83.5°	46.1	40.7	36.4	33.8
84°	42.6	37.2	32.8	30.1
84.5°	39.1	33.7	29.2	26.5
85°	35.9	30.2	25.7	23.1
85.5°	32.7	27.1	22.5	19.9
86°	29.6	24.0	19.4	16.8
86.5°	26.7	21.1	16.9	14.0
87°	23.9	18.4	14.4	11.3
87.5°	21.3	16.2	11.9	8.8
88°	18.9	14.1	9.4	6.4
88.5°	16.6	11.9	6.9	5.1



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	11.1	6.0	2.5	1.4
90.5°	9.3	4.7	1.6	0.2
91°	7.5	3.7	1.1	0.1
91.5°	6.3	2.8	0.8	0.1
92°	5.2	2.2	0.6	0.1
92.5°	4.3	1.8	0.5	0.1
93°	3.6	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°	2.1	1.1	0.4	0.1
96°	2.0	1.1	0.4	0.2
96.5°	2.0	1.1	0.3	0.2
97°	1.9	1.1	0.3	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°	1.7	1.0	0.3	0.3
100°	1.7	1.0	0.3	0.4
100.5°	1.7	0.9	0.3	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°	1.5	0.8	0.6	0.7
105°	1.5	0.8	0.6	0.7
105.5°	1.5	0.7	0.6	0.7
106°	1.5	0.7	0.6	0.7
106.5°	1.5	0.7	0.7	0.8
107°	1.4	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	1.1
111°	1.2	0.8	0.9	1.2



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.1	0.9	1.0	1.2
113°	1.1	0.9	1.0	1.3
113.5°	1.1	1.0	1.0	1.3
114°	1.0	1.0	1.0	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°	0.8	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	1.2
119.5°	1.0	1.1	1.2	1.2
120°	1.0	1.2	1.2	1.3
120.5°	1.0	1.2	1.3	1.3
121°	1.0	1.2	1.3	1.3
121.5°	1.1	1.2	1.3	1.3
122°	1.1	1.2	1.4	1.3
122.5°	1.1	1.3	1.4	1.3
123°	1.1	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°	1.2	1.4	1.4	1.4
125.5°	1.3	1.4	1.4	1.4
126°	1.3	1.4	1.5	1.4
126.5°	1.3	1.4	1.5	1.4
127°	1.4	1.4	1.5	1.4
127.5°	1.4	1.5	1.5	1.4
128°	1.4	1.5	1.5	1.4
128.5°	1.4	1.5	1.5	1.5
129°	1.4	1.5	1.5	1.4
129.5°	1.4	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	1.5	1.6	1.5
132.5°	1.5	1.6	1.6	1.5
133°	1.5	1.6	1.6	1.5
133.5°	1.5	1.6	1.6	1.6



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	1.6	1.6	1.6	1.6
135.5°	1.6	1.6	1.6	1.6
136°	1.6	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	1.7	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	1.6	1.6
139.5°	1.7	1.9	1.7	1.6
140°	1.7	1.9	1.7	1.6
140.5°	1.7	1.9	1.7	1.7
141°	1.7	1.9	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°	1.7	2.0	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°	1.9	2.1	1.7	1.7
147.5°	2.0	2.1	1.7	1.7
148°	2.0	2.1	1.7	1.7
148.5°	2.0	2.1	1.7	1.7
149°	2.0	2.1	1.7	1.7
149.5°	2.0	2.1	1.7	1.6
150°	2.1	2.1	1.7	1.6
150.5°	2.1	2.1	1.7	1.6
151°	2.1	2.1	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	1.6
153.5°	2.1	2.1	1.7	1.6
154°	2.1	2.1	1.7	1.6
154.5°	2.1	2.1	1.6	1.7
155°	2.1	2.1	1.6	1.7
155.5°	2.1	2.1	1.6	1.7
156°	2.1	2.1	1.6	1.7



TEST NUMBER: P563519

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	2.1	2.1	1.6	1.7
158°	2.1	2.0	1.6	1.7
158.5°	2.1	2.0	1.6	1.7
159°	2.1	2.0	1.6	1.7
159.5°	2.1	2.0	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	1.9	1.6	1.4
164.5°	2.1	1.9	1.6	1.4
165°	2.0	1.9	1.6	1.4
165.5°	2.0	1.9	1.6	1.4
166°	2.0	1.8	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°	1.9	1.8	1.6	1.2
168°	1.9	1.7	1.5	1.2
168.5°	1.8	1.7	1.4	1.1
169°	1.7	1.5	1.2	1.1
169.5°	1.7	1.3	1.2	1.1
170°	1.7	1.2	1.2	1.2
170.5°	1.7	1.3	1.2	1.1
171°	1.7	1.2	1.2	1.1
171.5°	1.6	1.2	1.2	1.1
172°	1.5	1.2	1.2	1.1
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	1.1
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: P563519

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

CANDELA DISTRIBUTION (continued):

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



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	708.2	709.2	699.9	712.0	704.6	703.1	701.4	701.2	698.8	696.7	694.9
22°	704.8	697.1	697.8	708.0	701.1	699.2	697.5	695.4	694.5	692.3	691.8



44°	482.1	481.8	477.7	483.9	474.5	469.6	463.6	458.3	452.9	449.9	448.5
44.5°	476.8	475.5	470.4	477.8	468.4	463.0	457.1	451.9	446.8	443.4	442.3



66.5°	208.4	208.1	205.6	210.0	204.2	201.1	196.9	194.0	190.9	189.0	188.6
67°	202.5	202.2	200.0	203.2	198.8	195.7	192.0	189.2	185.8	184.1	183.5



89°	3.9	4.4	7.4	12.3	17.1	21.5	25.0	27.5	28.9	29.2	28.5
89.5°	2.7	3.3	6.0	10.7	15.3	19.6	23.1	25.6	26.9	27.3	26.6



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	1.1	1.2	1.2	1.3	1.4	1.5	1.5



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



156.5°	1.7	1.5	1.9	2.0	1.9	1.7	1.6	1.6	1.7	1.8	1.7
157°	1.7	1.5	1.9	2.0	1.9	1.8	1.6	1.6	1.6	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°	694.0	690.7	695.4	692.8	693.2	693.1	692.5	693.8	699.0	690.1	700.0
22°	692.3	691.3	690.4	689.7	689.7	688.3	690.3	689.5	689.2	684.0	698.6



44°	450.8	453.7	456.7	460.9	460.9	460.6	461.3	461.6	463.5	459.3	469.0
44.5°	444.4	448.4	452.3	453.8	455.4	454.9	455.2	455.8	456.2	453.5	462.3



66.5°	189.7	191.7	193.9	194.8	195.3	194.4	193.8	194.6	195.1	195.4	200.2
67°	184.8	186.6	188.6	189.4	189.7	188.9	188.1	189.0	189.4	190.0	194.9



89°	27.0	24.5	20.9	16.4	11.4	6.6	3.4	1.2	3.1	6.8	12.2
89.5°	25.2	22.6	19.1	14.6	9.9	5.4	2.4	0.2	2.1	5.4	10.2



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	1.2	1.2	1.1	1.1	1.1	1.3	1.3	1.2	1.1	1.3



134°	1.6	1.7	1.8	2.4	1.9	1.6	1.7	1.5	1.5	1.6	1.8
134.5°	1.7	1.7	1.9	2.5	1.9	1.6	1.7	1.6	1.5	1.6	1.9



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



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	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7





21.5°	696.5	696.2	697.9	699.7	699.6	700.5	701.1	702.0	705.6	708.0	706.9
22°	692.1	692.9	694.2	698.4	697.0	700.7	697.9	698.8	702.2	704.1	704.7



44°	462.9	461.4	459.2	458.7	455.8	456.5	458.2	463.3	469.8	475.8	479.4
44.5°	457.0	455.5	453.2	451.7	448.2	449.3	452.2	457.5	464.0	469.7	473.7



66.5°	198.7	198.2	197.3	196.3	195.9	196.2	197.8	200.8	204.6	207.8	210.6
67°	193.6	192.9	192.1	192.0	190.8	191.5	192.8	195.5	199.3	202.5	205.1



89°	16.6	21.1	25.1	28.0	29.8	30.6	30.4	29.3	27.1	23.8	19.4
89.5°	15.0	19.2	22.9	25.8	27.7	28.4	28.3	27.1	25.0	21.6	17.2



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



134°	1.8	1.5	1.4	1.3	1.2	1.2	1.2	1.3	1.3	1.5	1.5
134.5°	1.9	1.6	1.4	1.3	1.3	1.2	1.2	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	1.9	1.9	1.9	1.9	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°	709.3	708.2	710.7	708.2
22°	705.5	705.6	705.7	704.8



44°	482.7	483.2	483.0	482.1
44.5°	476.9	477.7	477.6	476.8



66.5°	211.5	211.5	210.5	208.4
67°	206.0	205.5	204.6	202.5



89°	14.7	9.7	5.1	3.9
89.5°	12.9	7.6	3.6	2.7



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



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



156.5°	2.1	2.1	1.6	1.7
157°	2.1	2.1	1.6	1.7



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



(END OF REPORT)