

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: P563520

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

Issue Date: 7/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563520
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-4000K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

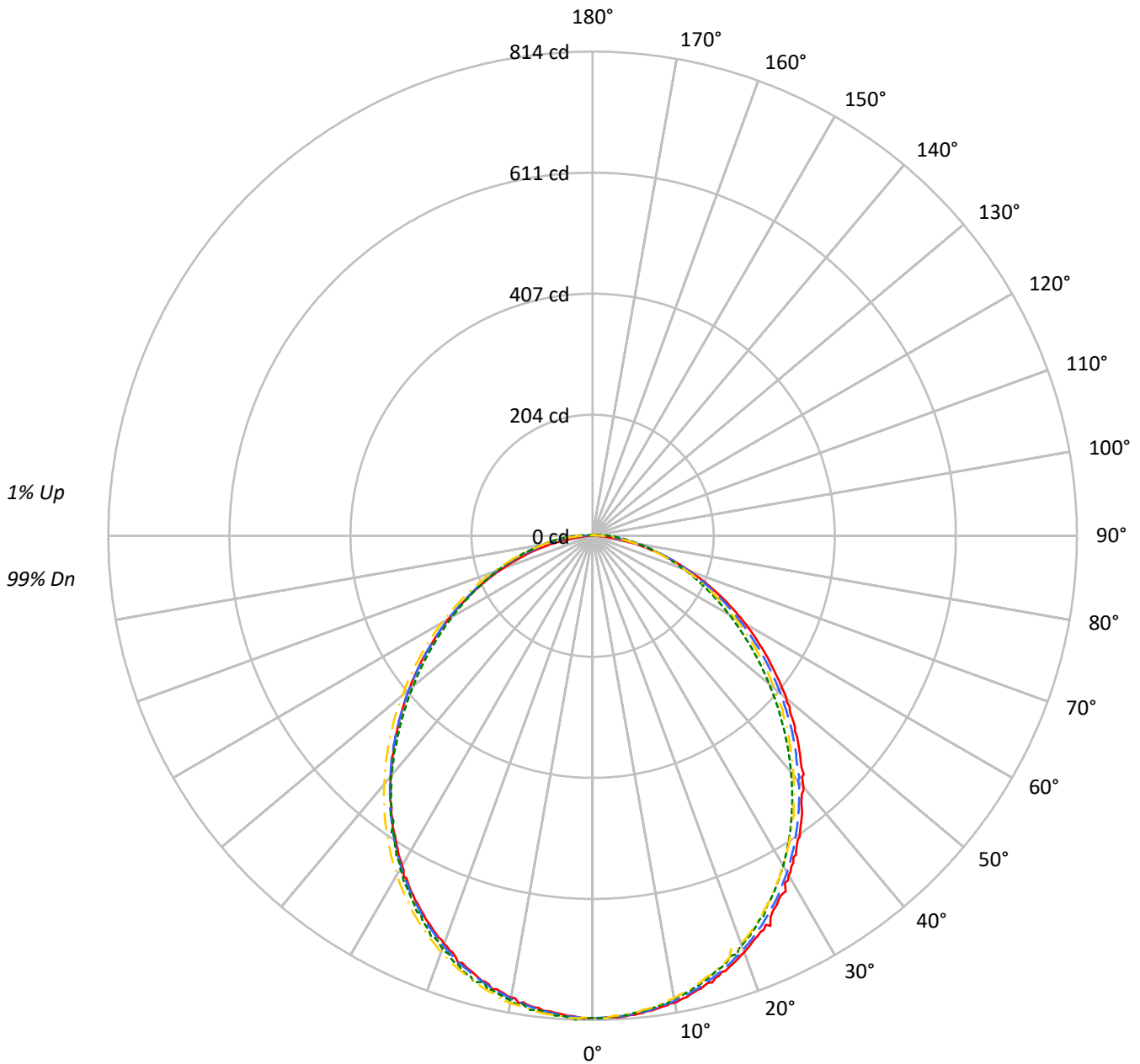
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 135.6 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): 15.2
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: P563520
CATALOG NUMBER: 2NWS23C3-NUV-LOW-4000K

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°	9857	9857	9857	9857
5°	9828	9668	9764	9676
10°	9771	9440	9660	9479
15°	9675	9186	9509	9290
20°	9497	8878	9307	8944
25°	9315	8517	9068	8610
30°	9038	8114	8781	8183
35°	8763	7639	8440	7663
40°	8456	7117	8105	7206
45°	8051	6556	7681	6653
50°	7652	5986	7264	6097
55°	7207	5418	6817	5549
60°	6728	4867	6349	5005
65°	6192	4331	5782	4489
70°	5564	3796	5143	3965
75°	4759	3244	4372	3449
80°	3689	2670	3270	2901
85°	2261	2170	1845	2339



TEST NUMBER: P563520
 CATALOG NUMBER: 2NWS23C3-NUV-LOW-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	3.7
10°-20°	216.8	10.5
20°-30°	320.5	15.6
30°-40°	370.4	18.0
40°-50°	362.0	17.6
50°-60°	306.1	14.9
60°-70°	221.4	10.7
70°-80°	126.2	6.1
80°-90°	44.2	2.1
90°-100°	7.2	0.4
100°-110°	2.3	0.1
110°-120°	1.8	0.1
120°-130°	1.5	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°	613.8	29.8
0°-40°	984.2	47.8
0°-60°	1652.3	80.2
0°-90°	2044.1	99.2
90°-120°	11.2	0.5
90°-150°	15.3	0.7
90°-180°	17.0	0.8
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	811	811	811	811	811	
5°	808	805	803	806	808	77
15°	777	766	764	775	777	218
25°	708	690	689	698	708	326
35°	608	582	585	584	608	379
45°	488	453	465	460	488	376
55°	360	324	341	332	360	322
65°	234	211	219	219	234	232
75°	117	117	108	125	117	124
85°	24	49	20	53	24	28
90°	2	26	0	27	2	1
95°	0	12	0	11	0	0
105°	1	3	1	4	1	1
115°	1	1	2	4	1	1
125°	1	1	2	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°	2	2	2	2	2	0
175°	1	2	1	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8
0.5°	810.8	813.7	805.0	821.2	810.7	810.5	810.9	812.8	810.0	811.4	810.0
1°	811.3	812.5	804.3	817.2	810.4	810.7	810.6	813.7	811.4	810.7	809.5
1.5°	810.3	812.0	803.8	822.7	810.1	810.6	810.2	814.0	812.1	811.0	809.1
2°	810.5	810.1	803.5	820.1	810.3	809.7	811.0	811.5	810.3	810.1	810.7
2.5°	810.0	808.8	803.5	816.6	811.7	809.6	809.7	809.8	810.0	811.3	808.2
3°	810.9	810.2	803.5	817.0	809.7	809.8	809.6	813.7	808.5	808.5	807.9
3.5°	810.3	808.0	802.5	816.1	809.4	808.5	808.8	812.0	809.2	808.1	807.0
4°	809.6	813.2	806.7	819.9	808.8	808.3	808.0	808.5	807.8	807.8	807.0
4.5°	808.3	809.6	802.2	816.9	808.5	807.3	806.8	809.0	807.4	806.4	806.8
5°	808.3	810.7	800.9	814.0	807.8	806.5	807.0	807.0	806.2	805.2	804.0
5.5°	807.2	806.7	801.5	815.4	806.0	805.1	805.5	807.2	805.7	804.5	802.9
6°	806.4	809.5	799.5	811.1	805.1	804.9	805.0	802.6	804.4	803.1	802.6
6.5°	804.6	801.4	798.5	812.2	805.0	803.9	803.5	805.5	804.2	802.4	800.1
7°	804.7	807.1	797.2	811.7	803.6	802.3	802.3	811.2	803.2	800.8	800.2
7.5°	803.1	802.6	799.6	811.3	802.2	801.1	801.0	798.1	801.3	799.5	798.2
8°	801.6	802.0	795.3	810.2	800.2	799.5	799.3	801.3	798.7	798.1	795.5
8.5°	800.3	801.6	793.1	808.4	799.3	798.2	797.3	797.3	798.6	796.2	794.7
9°	799.5	804.1	793.1	805.5	797.6	796.9	796.3	797.3	795.7	797.1	792.3
9.5°	796.7	797.6	790.5	802.0	796.1	795.5	794.8	796.0	793.5	791.3	791.7
10°	797.3	796.7	789.1	803.9	794.0	793.6	793.1	792.3	794.0	790.0	790.3
10.5°	794.9	794.1	787.4	800.4	792.2	791.9	790.9	789.6	789.4	788.4	788.2
11°	792.5	791.3	787.2	799.7	791.7	789.4	789.2	789.9	789.0	787.0	786.1
11.5°	791.8	790.2	784.0	794.9	788.7	787.2	786.9	786.8	785.9	784.5	783.9
12°	788.5	788.5	782.7	793.6	786.8	785.7	785.1	784.4	781.6	782.5	780.8
12.5°	786.2	785.6	779.4	792.6	784.3	783.2	782.3	784.1	781.1	779.7	778.3
13°	783.6	785.6	783.1	788.5	782.2	781.2	780.4	779.0	778.8	777.8	776.0
13.5°	782.7	781.9	775.7	793.8	780.5	778.5	777.8	776.9	776.8	775.1	773.5
14°	778.9	780.3	774.2	786.9	777.0	775.9	775.1	775.9	774.6	772.1	770.6
14.5°	776.3	778.1	742.2	784.9	774.4	773.4	772.4	778.2	770.5	769.8	767.4
15°	777.3	774.3	765.9	776.7	772.5	770.7	770.0	770.7	769.3	766.5	764.9
15.5°	771.5	766.7	765.9	781.6	769.3	768.0	766.8	765.4	767.8	762.8	762.5
16°	769.9	770.6	762.8	770.6	765.8	765.2	764.1	763.7	761.8	759.3	759.6
16.5°	764.9	767.2	759.1	774.4	763.8	762.4	760.6	760.0	758.9	757.7	756.4
17°	764.8	763.2	776.4	770.3	760.9	759.3	758.3	757.5	755.2	755.3	752.5
17.5°	760.9	760.5	753.7	768.3	757.5	756.2	754.7	756.2	756.4	751.5	749.3
18°	758.4	757.8	749.2	764.3	754.2	753.4	752.1	751.9	749.7	745.7	746.1
18.5°	754.9	755.7	748.3	760.5	750.5	749.4	748.7	748.7	746.2	743.4	742.8
19°	751.4	752.2	746.7	757.2	748.1	746.3	745.5	745.8	742.8	744.7	739.0
19.5°	747.8	750.0	743.9	754.2	745.6	742.9	741.5	740.6	739.5	736.7	735.7
20°	745.2	742.8	739.5	751.0	741.5	739.2	738.2	736.0	735.5	733.1	731.9
20.5°	741.2	740.1	735.1	747.1	737.7	735.7	734.4	735.4	732.9	729.3	728.8
21°	738.0	737.3	730.7	742.9	734.1	732.1	731.1	730.3	728.6	725.2	724.0



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	726.9	730.1	719.7	730.7	722.7	720.4	719.8	720.2	716.2	713.7	711.9
23°	723.3	721.1	717.1	730.4	718.5	716.6	715.5	712.3	711.0	708.5	707.0
23.5°	722.1	721.6	711.5	726.2	714.5	712.9	712.5	711.8	707.2	703.2	702.9
24°	716.0	714.1	709.9	720.8	710.3	708.1	712.0	704.9	702.7	703.8	698.7
24.5°	720.8	710.6	703.0	712.9	706.0	703.9	702.3	701.2	698.2	697.6	693.7
25°	707.9	705.8	701.9	712.3	701.7	699.7	697.3	694.3	693.2	690.5	690.0
25.5°	701.7	701.1	694.4	710.5	697.6	695.0	692.6	694.0	689.2	683.9	685.3
26°	697.0	696.2	690.9	701.5	692.8	690.4	688.9	691.0	684.2	681.4	680.7
26.5°	693.4	693.1	685.4	697.3	688.9	685.7	684.5	681.0	679.0	676.7	673.9
27°	688.0	687.9	678.2	691.5	683.9	681.4	678.9	676.9	674.8	671.6	670.5
27.5°	683.2	682.6	675.5	687.8	679.3	676.7	673.8	672.8	671.1	666.8	665.3
28°	681.1	678.9	670.8	682.9	674.2	672.1	669.5	668.5	663.8	661.7	659.9
28.5°	680.4	676.1	669.3	679.0	669.2	666.7	664.7	663.7	658.8	656.7	655.0
29°	666.6	668.6	662.5	672.6	664.3	661.6	660.0	656.3	654.2	651.1	649.4
29.5°	666.1	665.8	657.7	668.7	659.8	656.7	653.1	651.4	648.5	645.9	644.2
30°	659.3	656.6	650.6	665.2	654.7	651.9	648.4	650.0	643.5	640.6	639.0
30.5°	655.4	661.6	647.9	659.0	649.6	646.9	643.6	641.0	638.5	635.0	633.3
31°	648.5	650.3	641.7	652.5	644.3	641.5	638.4	635.2	632.5	629.3	628.2
31.5°	645.3	643.6	643.7	649.0	638.9	635.8	632.9	631.1	626.6	623.5	622.0
32°	637.2	638.9	632.8	647.5	633.6	630.6	627.0	624.3	621.0	618.0	615.9
32.5°	635.9	633.9	624.1	635.3	628.4	625.1	621.7	619.0	614.9	611.9	611.3
33°	628.5	629.0	622.9	631.8	623.1	619.9	616.0	612.9	608.7	606.4	604.8
33.5°	622.4	623.1	616.5	627.9	617.5	614.2	610.5	605.6	603.5	600.6	599.1
34°	616.6	616.0	612.2	628.6	611.9	608.4	604.3	603.7	597.5	595.0	592.1
34.5°	614.2	612.1	606.9	616.1	606.2	602.4	598.5	595.2	590.5	588.5	586.7
35°	607.6	606.3	600.0	611.2	600.9	597.3	592.7	589.4	586.0	582.3	580.4
35.5°	601.4	601.3	594.6	604.5	594.9	591.3	586.8	583.4	578.8	576.2	574.5
36°	596.4	595.1	589.1	597.7	589.4	585.8	580.6	576.5	572.5	570.0	569.0
36.5°	590.5	589.3	583.7	592.7	583.3	579.3	574.2	574.8	568.2	563.8	562.6
37°	585.0	583.3	578.3	587.8	578.1	573.6	569.1	563.6	561.8	557.7	556.0
37.5°	577.4	578.5	572.1	579.4	571.5	567.5	562.5	559.4	554.5	550.9	550.4
38°	569.6	572.2	566.4	574.5	565.6	562.0	556.3	552.0	548.6	544.6	543.4
38.5°	564.4	565.9	561.3	569.5	560.2	555.5	550.6	545.6	541.6	538.4	537.6
39°	558.6	560.1	554.8	564.5	554.2	549.2	542.8	541.7	534.9	531.9	530.3
39.5°	556.2	554.2	548.9	557.7	548.0	543.2	539.2	533.3	529.3	525.5	524.4
40°	551.4	548.5	543.0	544.7	535.4	537.2	532.5	525.9	522.4	519.0	517.7
40.5°	544.0	542.4	537.3	544.2	540.8	530.6	525.4	520.7	515.4	512.3	511.2
41°	536.5	536.3	530.8	538.8	527.7	524.5	518.6	516.7	510.8	505.7	504.7
41.5°	535.7	529.7	524.8	532.7	523.3	518.3	512.9	507.4	503.5	499.1	498.4
42°	524.9	523.5	518.6	526.5	513.7	511.8	505.9	502.5	496.3	492.5	491.2
42.5°	518.2	518.1	512.4	519.5	507.1	505.7	499.7	495.2	489.4	486.2	485.1
43°	512.4	511.9	506.5	516.6	504.1	499.5	493.2	488.2	482.9	479.5	478.4
43.5°	506.1	505.8	500.8	506.6	497.9	492.7	486.8	481.9	476.5	472.6	471.9



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	487.7	487.2	481.5	487.9	478.8	473.9	467.2	461.1	456.0	452.8	452.3
45.5°	481.7	480.8	475.4	481.6	472.6	467.5	460.9	453.8	449.8	446.2	445.8
46°	472.5	474.2	469.0	475.3	466.3	460.9	454.6	448.8	442.9	439.5	438.7
46.5°	469.0	467.7	462.6	469.1	459.7	454.2	447.8	442.3	436.4	433.0	432.1
47°	463.0	461.5	457.3	462.9	453.4	448.1	440.9	436.4	429.9	426.8	426.5
47.5°	455.4	454.9	448.9	456.0	447.0	441.3	434.5	429.5	423.0	419.8	419.1
48°	447.5	447.7	444.2	449.9	441.0	434.7	428.3	422.7	417.1	413.3	412.7
48.5°	442.2	443.1	437.4	443.5	434.2	428.2	421.6	416.4	409.5	406.5	405.8
49°	438.8	436.5	432.0	436.6	428.0	422.0	414.8	409.1	403.6	400.3	400.1
49.5°	429.4	428.5	425.0	429.8	421.3	415.6	409.1	402.0	396.9	393.7	392.4
50°	424.6	425.0	419.0	424.2	415.0	409.3	402.1	396.1	390.4	387.2	386.9
50.5°	419.2	416.2	411.7	417.3	408.5	402.1	395.6	390.3	383.8	380.7	379.3
51°	411.1	410.8	406.0	410.8	402.4	396.2	388.9	382.5	377.8	374.3	374.0
51.5°	404.6	403.3	399.5	404.1	395.7	389.5	382.6	377.0	370.9	367.8	367.2
52°	398.4	396.9	393.7	397.3	389.3	383.2	376.3	367.1	364.7	361.5	361.0
52.5°	392.2	391.6	387.4	391.3	383.1	376.9	369.8	363.6	358.4	355.2	354.2
53°	385.0	384.9	379.8	384.9	376.3	370.4	363.4	357.6	352.0	349.0	348.0
53.5°	379.0	378.9	372.5	379.0	370.3	364.1	357.2	351.1	345.7	342.7	341.9
54°	372.8	372.2	368.5	372.4	364.1	357.6	350.4	345.2	339.6	336.3	335.4
54.5°	365.9	365.2	361.5	365.7	357.1	351.5	344.4	341.5	333.6	330.3	330.0
55°	360.2	359.1	354.8	359.8	350.9	344.9	338.1	331.9	327.1	324.1	323.2
55.5°	353.6	353.2	350.4	351.6	344.8	338.9	331.7	326.0	321.1	317.9	317.6
56°	347.0	346.6	342.9	346.2	338.5	332.5	326.5	320.1	315.1	311.9	311.6
56.5°	340.7	339.6	339.0	339.7	332.0	326.3	319.8	313.5	309.0	305.8	305.6
57°	333.5	333.3	330.7	333.8	325.7	320.1	313.1	307.5	303.2	300.2	300.6
57.5°	327.7	326.6	324.0	328.8	319.6	313.9	307.5	301.3	296.8	294.0	292.9
58°	322.3	321.3	317.4	320.7	313.4	308.1	301.2	296.9	290.9	288.1	288.2
58.5°	315.1	314.2	310.9	314.5	307.1	301.6	295.1	289.5	285.4	282.5	282.1
59°	310.1	307.7	304.8	308.0	301.1	295.9	289.4	284.0	279.5	276.8	276.3
59.5°	302.5	302.5	298.5	302.2	294.9	289.4	283.5	278.0	273.7	270.8	270.7
60°	296.6	296.4	292.3	295.5	288.5	283.5	277.6	272.7	267.3	265.2	264.9
60.5°	290.0	289.9	286.1	289.4	282.6	277.5	271.4	266.7	262.0	259.7	259.3
61°	284.5	283.7	279.8	283.3	276.6	271.5	265.8	261.3	256.9	253.9	253.3
61.5°	278.3	277.0	273.4	277.3	270.6	265.6	259.7	255.4	251.2	248.4	248.4
62°	271.4	270.4	268.3	270.6	264.3	259.8	254.2	249.2	245.2	243.0	243.1
62.5°	265.5	264.9	261.3	264.3	258.6	253.8	248.5	243.8	240.5	237.7	236.6
63°	259.2	258.1	257.6	258.4	252.4	248.2	242.6	241.8	233.9	232.2	232.0
63.5°	253.1	252.1	250.5	252.2	246.7	242.3	237.4	233.1	229.2	226.9	226.6
64°	246.5	245.3	243.2	246.1	240.0	236.6	231.6	227.8	223.8	221.5	221.1
64.5°	240.6	239.8	237.5	240.2	235.0	231.0	226.2	221.5	218.5	216.5	216.3
65°	234.4	233.9	231.6	234.7	225.5	225.4	220.5	216.8	213.2	211.1	210.8
65.5°	228.3	227.6	225.2	228.1	222.9	219.8	215.0	211.6	208.1	206.1	205.6
66°	222.4	221.9	219.0	222.1	217.6	214.1	209.6	206.3	202.6	200.9	200.2



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	204.0	204.0	202.1	204.1	200.5	197.3	193.5	190.7	187.4	185.9	185.2
68°	198.3	197.5	196.3	198.4	194.7	192.1	188.4	185.8	182.6	180.8	180.6
68.5°	191.6	191.1	190.3	192.4	189.2	186.6	183.3	180.7	177.9	176.2	175.4
69°	185.8	185.5	184.4	186.8	183.6	181.3	178.8	175.7	172.7	171.4	170.9
69.5°	180.0	179.8	177.5	182.4	178.2	175.9	173.0	170.6	168.0	166.4	165.8
70°	174.4	173.9	171.4	175.3	172.5	170.7	168.1	165.8	163.8	161.8	161.2
70.5°	168.1	168.1	166.7	169.8	167.1	165.4	163.0	160.8	158.6	157.1	156.5
71°	162.1	161.9	161.0	163.8	161.8	160.2	158.2	156.1	154.0	152.6	151.8
71.5°	156.5	156.9	155.2	158.6	156.6	155.1	153.3	151.5	149.3	148.1	147.8
72°	150.8	150.9	150.2	153.4	151.2	150.2	148.4	146.6	144.9	143.5	143.6
72.5°	145.3	145.2	144.4	147.4	145.9	145.1	143.4	142.1	140.0	139.0	138.8
73°	139.5	139.4	138.7	142.1	140.8	140.1	138.9	137.5	135.8	134.5	133.9
73.5°	133.8	133.2	133.2	136.7	135.7	135.3	134.0	132.9	131.4	130.3	129.7
74°	128.2	128.2	127.6	131.1	130.6	130.3	129.5	128.6	127.0	125.9	125.2
74.5°	122.6	122.4	122.2	125.8	125.5	125.6	124.9	123.8	122.7	121.7	120.9
75°	117.0	117.0	117.0	120.5	120.6	120.9	120.2	119.6	118.6	117.4	116.9
75.5°	111.5	111.4	112.3	117.0	115.7	116.1	115.7	115.2	114.3	113.1	112.6
76°	106.1	106.5	106.2	110.3	110.7	111.5	111.0	111.2	110.1	109.6	108.5
76.5°	100.5	101.0	101.4	105.5	105.9	106.9	107.0	106.7	106.0	105.2	104.4
77°	95.3	95.6	96.2	99.7	101.2	102.4	102.5	102.6	101.9	101.2	100.5
77.5°	90.6	90.2	91.5	95.3	96.6	97.8	97.9	98.2	98.0	97.2	96.5
78°	85.0	85.6	86.2	90.5	92.1	93.5	94.5	94.5	93.9	93.4	92.6
78.5°	79.6	80.1	81.4	85.8	87.5	89.2	90.1	90.6	90.2	89.7	88.9
79°	75.2	75.0	76.7	80.9	83.1	85.0	85.9	86.5	86.4	86.0	85.3
79.5°	70.1	70.0	71.5	76.5	78.6	80.7	82.0	82.7	82.6	82.2	81.5
80°	65.1	65.4	67.2	72.0	74.3	76.8	78.0	79.1	79.2	78.7	78.1
80.5°	60.4	60.8	62.8	67.4	70.2	72.6	74.2	75.5	75.6	75.3	74.5
81°	55.7	56.1	58.3	63.1	66.0	68.8	71.3	71.8	72.4	71.9	71.2
81.5°	51.5	52.0	54.3	59.0	62.0	64.9	67.3	68.5	68.8	68.6	68.0
82°	47.4	48.0	50.4	54.8	58.1	61.3	63.7	65.1	65.6	65.5	64.7
82.5°	43.3	43.9	46.5	51.1	54.0	57.6	60.2	62.0	62.5	62.3	61.3
83°	39.1	39.8	42.6	47.4	50.7	53.8	56.8	58.6	59.3	59.3	58.6
83.5°	35.0	35.7	38.7	43.7	47.4	50.9	53.8	55.6	56.4	56.3	55.7
84°	31.2	32.2	34.8	40.1	44.2	47.9	51.0	52.9	53.7	54.3	53.2
84.5°	27.4	28.3	31.3	36.4	40.9	45.0	48.2	50.2	51.1	51.6	50.6
85°	23.9	24.8	27.8	33.1	37.7	42.0	45.4	47.5	48.5	48.9	48.0
85.5°	20.6	21.4	24.5	29.9	34.7	39.1	42.6	44.9	45.9	46.2	45.4
86°	17.4	18.3	21.4	26.9	31.9	36.4	39.8	42.2	43.2	43.5	42.8
86.5°	14.5	15.3	18.6	24.1	29.1	33.7	37.2	39.7	40.8	41.0	40.4
87°	11.7	12.5	16.0	21.4	26.5	31.2	34.7	37.2	38.5	38.7	38.0
87.5°	9.1	10.0	13.5	19.0	24.1	28.8	32.4	34.9	36.2	36.5	35.7
88°	6.6	7.7	11.3	16.8	21.8	26.5	30.1	32.7	33.9	34.3	33.7
88.5°	5.3	5.7	9.4	14.7	19.7	24.3	27.9	30.5	31.9	32.3	31.6



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.5	2.3	5.3	9.5	14.2	18.6	22.0	24.7	26.1	26.4	25.8
90.5°	0.2	1.2	4.5	8.2	12.6	16.8	20.4	22.9	24.3	24.7	24.1
91°	0.2	0.8	3.6	7.0	11.2	15.3	18.7	21.2	22.6	23.0	22.5
91.5°	0.1	0.5	2.8	5.9	9.8	13.8	17.1	19.6	21.0	21.4	20.8
92°	0.1	0.4	1.9	5.1	8.7	12.4	15.7	18.1	19.5	19.9	19.5
92.5°	0.1	0.3	1.5	4.4	7.6	11.2	14.3	16.6	18.0	18.4	17.9
93°	0.1	0.3	1.2	3.6	6.6	10.0	13.0	15.3	16.7	17.1	16.5
93.5°	0.1	0.3	1.0	2.9	5.8	8.9	11.8	14.1	15.3	15.8	15.3
94°	0.1	0.2	0.8	2.5	5.2	8.0	10.7	12.9	14.2	14.6	14.1
94.5°	0.1	0.2	0.7	2.1	4.5	7.1	9.8	11.7	13.1	13.5	13.0
95°	0.1	0.2	0.6	1.8	3.9	6.3	8.8	10.9	12.0	12.3	11.9
95.5°	0.1	0.2	0.6	1.6	3.3	5.6	7.9	9.9	11.0	11.4	11.0
96°	0.2	0.2	0.5	1.4	2.9	5.1	7.1	8.9	10.1	10.4	10.0
96.5°	0.2	0.2	0.5	1.3	2.6	4.6	6.5	8.2	9.2	9.6	9.2
97°	0.2	0.2	0.4	1.2	2.3	4.1	5.8	7.4	8.4	8.8	8.5
97.5°	0.2	0.3	0.4	1.1	2.1	3.6	5.3	6.8	7.7	8.1	7.8
98°	0.2	0.3	0.4	1.0	1.9	3.3	4.9	6.2	7.1	7.4	7.1
98.5°	0.3	0.3	0.4	0.9	1.8	3.0	4.4	5.7	6.5	6.8	6.5
99°	0.3	0.4	0.4	0.8	1.7	2.8	4.0	5.3	6.0	6.2	6.0
99.5°	0.3	0.4	0.4	0.8	1.6	2.6	3.7	4.9	5.6	5.7	5.6
100°	0.4	0.4	0.4	0.7	1.5	2.5	3.4	4.5	5.2	5.3	5.2
100.5°	0.4	0.5	0.5	0.7	1.4	2.3	3.2	4.2	4.8	5.0	4.8
101°	0.4	0.5	0.5	0.7	1.3	2.2	3.1	3.9	4.4	4.6	4.4
101.5°	0.5	0.5	0.5	0.7	1.2	2.1	2.9	3.7	4.1	4.2	4.1
102°	0.5	0.6	0.6	0.7	1.2	1.9	2.8	3.5	3.9	4.0	3.9
102.5°	0.6	0.6	0.6	0.7	1.1	1.8	2.6	3.3	3.7	3.8	3.7
103°	0.6	0.6	0.6	0.7	1.1	1.7	2.5	3.2	3.5	3.6	3.6
103.5°	0.6	0.7	0.6	0.7	1.0	1.6	2.3	3.0	3.4	3.5	3.4
104°	0.7	0.7	0.6	0.7	1.0	1.5	2.2	2.8	3.2	3.3	3.2
104.5°	0.7	0.8	0.6	0.8	0.9	1.5	2.1	2.7	3.1	3.2	3.1
105°	0.7	0.9	0.6	0.8	0.9	1.4	2.0	2.5	2.9	3.0	2.9
105.5°	0.7	1.0	0.6	0.8	0.9	1.3	1.9	2.4	2.8	2.9	2.8
106°	0.8	1.1	0.7	0.9	0.9	1.3	1.8	2.3	2.6	2.8	2.7
106.5°	0.8	1.1	0.7	0.9	0.9	1.2	1.7	2.2	2.5	2.6	2.5
107°	0.8	1.0	0.7	0.9	0.9	1.2	1.6	2.1	2.4	2.5	2.4
107.5°	0.9	1.0	0.8	0.9	0.9	1.2	1.6	2.0	2.3	2.4	2.3
108°	0.9	1.0	0.8	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.2
108.5°	1.0	1.0	0.9	0.9	1.0	1.1	1.4	1.8	2.1	2.2	2.1
109°	1.1	1.1	0.9	0.9	1.0	1.1	1.4	1.7	2.0	2.0	2.0
109.5°	1.1	1.1	1.0	0.9	1.0	1.1	1.3	1.6	1.9	2.0	1.9
110°	1.2	1.2	1.0	0.9	1.1	1.1	1.3	1.6	1.8	1.9	1.8
110.5°	1.2	1.2	1.0	0.9	1.1	1.1	1.3	1.5	1.7	1.8	1.7
111°	1.2	1.2	1.0	0.9	1.1	1.1	1.2	1.5	1.6	1.7	1.7



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.3	1.2	1.0	1.0	1.2	1.2	1.2	1.3	1.5	1.5	1.5
113°	1.3	1.2	1.0	1.0	1.1	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	1.3	1.3	1.4	1.4	1.4
114°	1.4	1.2	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.3
114.5°	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
115°	1.4	1.3	1.1	1.0	1.1	1.4	1.4	1.3	1.3	1.3	1.3
115.5°	1.4	1.4	1.2	1.0	1.1	1.4	1.4	1.4	1.3	1.3	1.4
116°	1.4	1.4	1.3	1.0	1.1	1.4	1.4	1.4	1.4	1.4	1.4
116.5°	1.4	1.5	1.4	1.0	1.1	1.3	1.4	1.4	1.4	1.4	1.4
117°	1.4	1.5	1.5	1.1	1.2	1.2	1.4	1.5	1.4	1.4	1.4
117.5°	1.3	1.5	1.6	1.1	1.2	1.1	1.5	1.5	1.5	1.4	1.5
118°	1.3	1.5	1.6	1.1	1.2	1.1	1.5	1.5	1.5	1.5	1.5
118.5°	1.3	1.4	1.6	1.1	1.3	1.2	1.5	1.5	1.6	1.5	1.6
119°	1.3	1.5	1.6	1.2	1.3	1.2	1.5	1.5	1.6	1.6	1.6
119.5°	1.3	1.5	1.6	1.2	1.3	1.2	1.4	1.6	1.6	1.6	1.6
120°	1.3	1.5	1.5	1.3	1.3	1.2	1.2	1.6	1.5	1.6	1.6
120.5°	1.3	1.5	1.5	1.3	1.4	1.3	1.2	1.6	1.6	1.6	1.6
121°	1.3	1.5	1.5	1.3	1.4	1.3	1.2	1.6	1.6	1.6	1.6
121.5°	1.4	1.5	1.5	1.4	1.4	1.3	1.2	1.4	1.7	1.7	1.7
122°	1.4	1.5	1.6	1.4	1.4	1.3	1.2	1.3	1.6	1.7	1.6
122.5°	1.4	1.5	1.6	1.4	1.4	1.4	1.3	1.2	1.5	1.6	1.5
123°	1.4	1.5	1.7	1.5	1.5	1.4	1.3	1.2	1.3	1.5	1.4
123.5°	1.4	1.6	1.7	1.5	1.5	1.4	1.3	1.2	1.3	1.3	1.3
124°	1.4	1.6	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.2
124.5°	1.4	1.6	1.8	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.2
125°	1.4	1.6	1.7	1.7	1.5	1.5	1.4	1.3	1.2	1.2	1.2
125.5°	1.4	1.6	1.7	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.3
126°	1.5	1.6	1.7	1.9	1.6	1.5	1.4	1.3	1.3	1.2	1.3
126.5°	1.5	1.6	1.7	1.9	1.6	1.5	1.5	1.4	1.3	1.3	1.3
127°	1.5	1.6	1.7	2.0	1.6	1.6	1.5	1.4	1.3	1.3	1.3
127.5°	1.5	1.6	1.7	2.0	1.7	1.6	1.5	1.4	1.4	1.3	1.4
128°	1.5	1.6	1.6	2.0	1.7	1.6	1.5	1.4	1.4	1.3	1.4
128.5°	1.5	1.6	1.6	2.0	1.7	1.6	1.5	1.5	1.4	1.4	1.4
129°	1.5	1.6	1.5	2.0	1.7	1.6	1.6	1.5	1.4	1.4	1.4
129.5°	1.5	1.6	1.5	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.5
130°	1.5	1.6	1.5	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.5
130.5°	1.5	1.6	1.5	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.5
131°	1.6	1.6	1.5	1.8	1.9	1.7	1.6	1.6	1.5	1.5	1.5
131.5°	1.6	1.6	1.6	1.8	2.0	1.8	1.6	1.6	1.6	1.5	1.6
132°	1.6	1.7	1.6	1.8	2.1	1.8	1.7	1.6	1.6	1.5	1.6
132.5°	1.6	1.7	1.6	1.9	2.2	1.8	1.7	1.6	1.6	1.6	1.6
133°	1.6	1.7	1.6	1.9	2.3	1.8	1.7	1.7	1.6	1.6	1.6
133.5°	1.6	1.7	1.6	1.9	2.4	1.9	1.7	1.7	1.6	1.6	1.6



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

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: P563520

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8
0.5°	807.9	811.4	813.2	810.5	811.3	809.4	811.3	811.2	813.3	794.3	819.6
1°	809.7	809.9	811.8	809.5	810.4	809.8	810.3	810.9	809.6	802.9	818.5
1.5°	809.0	810.3	813.2	810.1	809.8	807.8	811.1	810.9	806.0	804.5	821.3
2°	811.5	810.8	811.1	808.2	809.5	807.8	810.4	809.1	808.1	802.6	816.3
2.5°	808.9	809.2	807.8	808.0	808.8	808.0	809.0	807.7	808.5	803.0	816.3
3°	807.5	809.0	809.4	806.6	808.1	807.7	804.9	808.3	809.1	807.0	816.2
3.5°	806.2	797.6	807.1	806.8	806.7	806.0	806.9	807.0	805.6	800.1	815.1
4°	805.3	803.5	807.0	805.7	806.7	804.4	807.0	805.0	806.7	798.6	814.3
4.5°	805.7	807.7	806.4	804.5	805.7	806.3	805.0	804.5	805.2	795.9	818.4
5°	804.0	816.5	806.5	803.5	803.9	801.3	805.5	803.0	803.3	798.8	814.4
5.5°	803.4	804.5	805.8	802.4	802.5	801.0	805.2	802.8	805.0	797.2	811.5
6°	802.5	802.7	801.7	801.3	802.4	801.1	801.9	802.7	802.1	795.5	809.8
6.5°	800.7	801.6	801.8	800.1	800.1	799.3	800.5	799.2	800.4	794.8	809.7
7°	799.3	802.5	800.9	799.5	798.8	798.5	804.1	798.6	799.8	792.2	808.6
7.5°	797.7	798.4	799.0	797.5	797.6	796.4	806.9	797.5	797.9	792.0	805.9
8°	796.1	797.4	796.7	795.5	795.8	793.5	794.8	795.9	795.9	791.1	805.0
8.5°	794.7	795.4	794.7	794.3	793.8	791.6	795.0	792.9	794.3	790.5	802.2
9°	793.2	793.5	793.3	791.9	791.9	789.9	793.1	795.7	792.5	784.4	798.9
9.5°	791.2	792.0	791.7	789.6	790.6	788.2	791.4	788.5	791.1	787.3	802.7
10°	787.9	789.9	789.6	788.7	788.5	787.6	788.3	788.3	796.8	783.8	804.2
10.5°	787.1	788.1	787.5	786.3	786.3	785.6	786.6	786.6	787.3	780.9	794.6
11°	784.5	784.9	785.0	783.9	784.3	782.7	784.5	783.5	782.7	778.5	790.4
11.5°	782.4	783.3	783.3	782.3	781.9	781.7	779.4	781.2	780.7	775.7	790.7
12°	780.5	781.0	781.1	779.1	779.6	778.6	779.3	779.2	778.4	773.5	789.1
12.5°	778.1	778.1	778.4	776.4	777.0	776.8	776.4	780.9	779.3	773.6	789.3
13°	775.2	775.7	775.6	775.0	774.0	774.8	775.0	774.3	774.7	762.0	783.1
13.5°	772.5	772.8	773.3	771.4	772.2	771.0	772.7	771.5	771.8	769.7	781.9
14°	769.6	770.6	770.0	768.3	769.1	767.3	768.5	770.5	769.5	758.2	778.9
14.5°	767.4	767.0	766.0	766.1	766.5	765.0	766.0	767.4	766.8	754.8	776.3
15°	764.7	765.1	765.6	763.5	763.3	762.2	764.8	763.9	763.4	759.2	773.5
15.5°	761.3	761.6	761.3	760.4	760.3	758.6	761.3	760.3	761.0	756.9	773.6
16°	758.8	760.6	758.1	757.3	757.4	757.5	756.9	757.5	758.6	751.7	766.9
16.5°	754.8	754.2	755.3	752.9	754.4	754.4	753.2	754.2	754.0	751.0	763.5
17°	752.0	752.8	751.7	751.7	751.4	749.8	753.3	750.8	752.4	747.8	762.0
17.5°	749.2	749.8	750.2	747.6	748.1	745.9	749.4	752.4	748.0	742.1	756.4
18°	745.2	746.0	746.2	744.9	744.5	743.3	745.3	744.8	746.1	740.2	753.4
18.5°	741.7	742.5	744.3	722.4	741.2	739.9	740.2	739.5	742.0	737.1	751.1
19°	738.2	720.6	738.7	741.4	736.7	736.0	737.3	737.4	737.8	732.8	747.7
19.5°	734.8	736.5	734.2	735.8	733.0	732.6	734.4	732.8	734.9	729.5	743.3
20°	731.4	731.5	730.6	725.9	730.3	728.7	730.8	730.3	730.9	727.2	739.5
20.5°	727.3	727.1	727.5	726.0	725.9	725.0	727.0	725.2	728.6	721.5	737.2
21°	723.0	728.7	723.5	722.0	723.2	721.3	722.1	723.4	719.9	721.0	731.1



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	711.1	710.5	712.4	709.9	710.5	709.3	710.0	710.5	712.1	707.4	721.1
23°	707.7	707.2	706.1	705.5	706.8	705.1	707.8	706.6	707.9	703.2	715.9
23.5°	695.3	704.5	703.3	704.9	702.1	700.6	701.2	703.1	702.7	697.1	712.3
24°	697.5	702.2	699.3	697.6	698.4	696.3	698.3	697.7	701.9	690.8	707.9
24.5°	693.4	694.1	692.6	693.5	693.3	692.3	693.8	693.5	695.3	689.1	703.6
25°	689.3	689.2	689.5	689.0	689.1	687.7	688.8	689.1	690.6	683.9	698.7
25.5°	683.9	684.4	685.6	683.7	684.9	683.2	683.8	684.2	683.0	681.1	694.4
26°	679.8	680.7	681.6	679.7	679.8	678.5	679.8	681.3	681.1	675.4	689.2
26.5°	674.6	674.5	675.8	674.0	675.0	673.5	675.4	675.0	678.6	671.9	684.7
27°	670.4	669.6	668.6	671.2	670.6	668.7	670.6	671.5	669.3	666.9	680.1
27.5°	665.2	666.5	667.9	665.6	665.4	663.9	665.5	666.2	666.9	661.8	675.5
28°	660.1	661.6	661.1	660.6	661.0	660.0	660.2	660.8	663.9	657.1	670.0
28.5°	655.4	654.7	657.3	656.2	656.0	653.5	655.5	655.6	654.7	650.3	665.3
29°	650.3	649.8	650.5	650.6	650.9	652.3	650.3	655.0	650.0	646.4	659.0
29.5°	644.5	646.5	646.3	643.1	645.3	644.6	645.1	645.4	646.0	642.6	665.3
30°	630.8	639.9	640.4	639.8	640.5	639.3	640.5	640.5	641.7	637.6	645.3
30.5°	628.9	633.3	636.0	635.6	635.5	633.6	634.9	634.9	636.7	634.6	644.2
31°	626.2	630.5	629.8	629.5	630.5	628.7	629.6	630.4	631.1	626.8	639.5
31.5°	622.9	625.5	624.5	625.3	624.9	623.1	624.1	625.4	625.2	620.3	634.9
32°	618.4	618.4	619.0	620.0	619.4	618.1	618.8	619.0	620.3	616.3	629.1
32.5°	611.1	612.3	613.9	615.8	613.8	613.0	613.1	614.2	615.3	610.8	624.9
33°	605.5	605.7	607.9	607.7	608.5	607.4	608.2	608.0	609.3	604.5	617.9
33.5°	601.0	601.5	602.7	603.0	603.3	602.0	601.3	602.8	602.6	600.3	612.2
34°	594.3	593.7	598.6	597.1	597.6	596.0	597.6	598.1	598.1	594.8	606.5
34.5°	587.5	589.3	591.6	590.7	592.0	591.1	591.3	593.2	592.5	588.0	600.7
35°	581.9	583.5	585.4	584.9	586.3	584.6	585.7	585.2	587.1	583.7	595.0
35.5°	575.2	578.6	583.8	579.4	580.6	579.3	580.2	580.8	581.1	577.9	589.9
36°	569.8	571.3	575.3	574.5	574.6	574.4	574.5	575.9	573.7	572.6	583.7
36.5°	564.1	561.0	567.4	568.1	568.5	568.2	568.6	568.5	570.3	566.5	577.2
37°	555.2	559.6	561.7	562.7	563.2	562.3	562.7	563.3	561.8	561.0	571.4
37.5°	550.3	553.2	555.5	556.0	557.2	556.4	556.8	559.2	558.2	554.5	566.2
38°	545.9	543.7	549.9	550.6	550.9	549.5	550.9	550.8	557.1	549.9	560.7
38.5°	541.4	543.4	544.1	545.2	545.4	544.1	544.4	545.9	544.9	542.7	553.8
39°	530.6	537.5	538.3	538.6	539.5	538.4	539.5	539.6	544.9	537.8	547.6
39.5°	527.1	529.6	531.1	532.5	533.3	532.8	533.2	534.4	534.7	530.3	544.4
40°	517.4	521.5	525.0	526.3	527.5	526.3	527.4	528.5	528.9	525.1	534.2
40.5°	514.3	518.0	519.3	519.6	521.4	520.1	520.9	521.0	521.5	518.6	529.7
41°	506.4	509.3	511.9	510.7	515.1	513.8	514.9	515.1	516.6	510.6	520.2
41.5°	501.1	502.1	505.6	507.2	508.9	508.9	508.8	509.0	509.9	508.2	514.5
42°	493.5	497.8	501.0	501.9	503.1	501.8	502.6	504.9	504.4	502.0	511.0
42.5°	486.9	491.1	494.1	495.0	496.0	496.3	496.5	495.5	497.4	494.4	505.5
43°	480.3	483.0	486.3	490.0	490.4	489.7	490.0	490.6	487.5	489.2	498.8
43.5°	474.2	479.3	480.2	481.8	483.9	483.0	484.2	485.4	485.1	481.9	494.5



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	453.8	459.5	460.9	462.9	465.3	464.7	465.4	465.3	466.4	464.9	473.3
45.5°	447.7	452.8	455.9	459.0	459.1	457.7	459.2	459.5	461.2	457.1	468.2
46°	441.2	446.1	449.0	450.1	452.8	452.4	452.5	453.3	454.3	450.9	461.9
46.5°	433.8	439.0	442.9	444.6	446.1	446.2	447.4	447.1	448.0	444.1	452.5
47°	427.8	434.0	436.0	437.8	440.1	440.0	440.3	440.1	441.0	439.3	446.7
47.5°	422.0	425.9	430.0	436.7	433.7	433.6	434.2	434.6	435.2	433.4	442.3
48°	415.0	419.2	424.0	426.0	427.6	427.3	427.2	428.2	429.5	429.2	434.3
48.5°	408.3	413.4	417.6	418.7	421.2	421.1	422.7	422.3	423.2	419.1	428.2
49°	402.4	406.1	409.5	411.5	414.8	414.6	415.3	415.9	416.0	414.8	423.6
49.5°	395.7	399.5	404.9	409.5	408.6	408.9	409.1	409.4	410.2	409.0	416.4
50°	389.1	393.4	398.8	400.8	402.6	402.4	402.7	403.1	403.9	401.6	411.3
50.5°	382.6	387.0	392.1	392.9	396.1	396.5	396.4	397.2	397.2	397.3	402.7
51°	376.4	380.8	384.9	387.9	389.6	389.9	391.2	391.3	391.2	387.6	396.6
51.5°	369.3	374.1	379.0	381.0	383.5	383.2	385.8	384.4	385.0	382.5	390.2
52°	363.4	367.8	373.3	374.9	377.2	377.1	378.2	378.5	379.0	377.9	384.2
52.5°	357.5	361.4	367.4	370.6	371.1	371.6	371.5	372.0	372.3	369.8	377.5
53°	351.1	355.6	361.1	363.5	364.6	365.9	365.0	365.4	366.0	365.4	372.4
53.5°	345.0	349.1	354.6	356.2	358.3	359.5	358.9	359.4	359.4	358.1	365.5
54°	338.1	342.7	347.7	349.7	352.3	352.6	354.3	353.3	353.6	352.1	358.2
54.5°	332.9	336.5	340.7	344.5	345.8	346.0	346.9	346.8	347.6	345.7	354.4
55°	326.0	330.9	335.8	338.3	339.9	340.0	340.3	340.7	341.3	339.9	345.6
55.5°	320.2	324.3	328.5	333.1	333.7	333.8	333.2	334.1	335.8	333.3	340.9
56°	313.8	318.3	323.2	326.1	327.6	329.9	327.4	328.2	328.9	327.2	333.2
56.5°	308.1	312.4	316.8	319.7	321.4	321.7	322.8	321.9	322.9	321.7	327.2
57°	302.3	306.1	311.8	313.2	315.1	315.2	315.6	315.7	315.4	315.1	322.5
57.5°	296.0	300.0	304.1	307.0	309.1	308.3	308.7	309.4	310.3	310.5	315.9
58°	290.2	294.2	298.7	301.6	302.7	303.3	303.0	303.6	304.2	302.9	306.3
58.5°	284.1	287.9	292.7	295.8	296.7	298.0	297.0	298.3	297.6	296.7	302.6
59°	278.4	282.1	285.9	288.7	291.0	291.5	291.2	291.0	291.1	290.6	296.7
59.5°	272.8	273.9	281.4	282.5	284.9	284.5	284.4	285.0	285.2	284.4	291.4
60°	267.2	270.3	274.4	276.7	279.2	278.5	278.2	279.9	279.5	279.2	285.2
60.5°	261.3	264.7	270.0	270.5	272.7	273.7	272.9	272.8	273.1	273.1	278.9
61°	255.6	259.1	261.5	265.1	266.2	267.3	266.8	265.6	267.2	266.7	272.9
61.5°	250.0	253.5	257.8	258.9	260.5	260.4	260.4	260.6	261.6	261.3	265.4
62°	244.5	247.5	251.4	253.1	254.5	254.6	254.5	254.5	255.3	255.1	260.9
62.5°	239.1	242.0	245.4	247.0	249.4	249.0	248.4	248.7	250.1	249.1	253.8
63°	233.4	236.5	239.6	241.2	243.0	242.9	242.3	242.4	243.6	243.1	248.6
63.5°	228.1	230.9	234.1	234.7	237.1	236.5	236.5	236.3	237.5	237.3	242.4
64°	222.7	225.4	228.1	230.8	231.5	231.0	230.3	231.2	232.9	231.2	236.8
64.5°	217.3	219.9	222.9	226.1	225.5	225.3	224.5	225.9	225.8	225.8	231.5
65°	212.1	214.7	217.3	219.3	219.5	219.0	218.5	218.9	219.3	220.0	224.3
65.5°	207.0	209.2	211.7	213.3	213.7	213.2	213.5	213.0	214.3	214.0	218.7
66°	201.5	204.0	206.2	207.6	208.3	207.6	206.9	207.0	208.6	208.4	213.3



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	186.3	188.3	190.2	190.8	191.0	189.9	189.3	189.8	190.9	190.3	196.5
68°	181.5	183.2	184.7	186.2	185.6	184.5	183.8	183.9	185.3	185.8	190.8
68.5°	176.5	178.0	179.5	180.0	180.0	178.7	178.0	178.5	179.3	180.1	185.3
69°	171.6	173.0	174.4	174.7	174.5	173.2	172.3	172.6	173.6	174.0	180.0
69.5°	166.8	168.0	169.0	169.1	168.8	167.3	166.5	166.5	167.7	168.6	173.8
70°	161.9	163.1	163.8	164.0	163.8	162.1	160.8	161.2	162.0	162.8	168.6
70.5°	157.1	158.1	158.8	158.6	158.1	156.3	155.2	155.6	156.7	158.5	163.0
71°	152.3	153.3	153.8	153.7	152.6	151.0	150.0	149.8	151.6	152.3	157.4
71.5°	147.7	148.6	149.2	148.7	147.4	145.9	144.2	144.5	145.9	147.0	153.1
72°	143.2	143.8	144.1	143.6	142.0	139.9	138.9	138.9	140.4	141.6	147.1
72.5°	138.6	139.2	138.9	138.4	136.8	134.6	133.2	133.7	134.5	136.4	140.8
73°	134.1	134.3	134.6	133.4	131.6	129.4	127.8	128.4	129.3	131.4	136.3
73.5°	129.7	129.9	129.5	128.4	126.7	123.9	122.5	123.2	124.1	126.3	131.4
74°	125.1	125.2	124.9	123.5	121.4	118.4	117.0	118.0	118.9	121.2	126.5
74.5°	120.8	120.8	120.4	118.6	116.5	113.6	111.7	112.8	113.7	116.1	121.5
75°	116.7	116.5	115.5	113.9	111.4	108.4	106.4	107.5	108.8	111.0	116.6
75.5°	112.5	112.1	111.4	109.2	106.6	103.7	101.3	102.0	103.6	106.0	111.6
76°	108.1	107.8	107.6	104.6	101.6	98.2	96.3	96.7	98.4	101.4	106.6
76.5°	104.1	103.4	102.5	99.9	96.9	93.5	91.1	91.8	93.3	95.8	101.8
77°	100.0	99.3	98.0	95.4	92.2	88.7	86.2	86.7	88.7	91.0	97.0
77.5°	96.0	95.1	93.5	90.8	87.5	83.4	81.3	81.6	83.2	86.1	92.3
78°	92.0	91.1	89.4	86.3	83.0	79.1	76.4	76.7	78.6	81.4	87.9
78.5°	88.2	87.1	85.1	82.1	78.6	74.5	71.8	71.9	73.6	76.8	83.0
79°	84.4	83.1	81.0	78.0	74.1	70.0	67.1	67.1	69.0	72.2	78.9
79.5°	80.6	79.3	77.0	73.8	69.8	65.5	62.4	62.5	64.2	67.7	74.0
80°	77.1	75.5	73.0	69.6	65.5	61.1	57.9	57.7	59.8	63.2	69.1
80.5°	73.6	71.9	69.4	65.7	61.5	57.0	53.3	53.4	55.4	59.0	65.8
81°	70.1	68.3	65.6	61.9	57.4	53.6	49.5	49.2	51.2	54.9	61.3
81.5°	66.8	64.9	61.9	58.1	53.2	49.7	45.6	44.8	46.8	50.9	57.7
82°	63.5	61.5	58.6	54.3	49.8	45.7	41.8	40.6	42.8	46.8	53.2
82.5°	60.3	58.2	55.2	51.1	46.3	41.8	38.0	36.7	38.9	43.0	49.4
83°	57.2	55.1	52.2	47.9	42.9	37.9	34.2	33.0	35.1	39.1	45.7
83.5°	54.1	52.3	49.2	44.7	39.5	34.5	30.6	29.4	31.4	35.6	42.2
84°	51.5	49.5	46.3	41.5	36.2	31.0	27.2	25.9	28.1	32.3	38.8
84.5°	48.9	46.8	43.3	38.3	33.1	27.7	23.9	22.6	24.7	29.1	35.5
85°	46.4	44.0	40.3	35.4	30.1	24.6	20.7	19.5	21.5	25.9	32.3
85.5°	43.9	41.3	37.6	32.7	27.2	21.7	17.7	16.8	18.5	23.1	29.2
86°	41.3	38.7	35.0	30.0	24.5	18.9	14.8	14.1	16.1	20.1	26.4
86.5°	38.9	36.2	32.4	27.5	21.9	16.4	12.2	11.5	13.7	17.5	23.6
87°	36.5	33.8	30.0	25.1	19.6	14.1	9.8	8.8	11.2	15.4	21.1
87.5°	34.3	31.6	27.8	22.9	17.4	11.9	7.7	6.2	8.8	13.3	18.6
88°	32.0	29.4	25.5	20.7	15.3	10.0	5.7	4.2	6.4	11.2	16.6
88.5°	30.0	27.3	23.4	18.8	13.5	8.3	4.6	2.7	4.6	9.1	14.6



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	24.2	21.7	18.1	13.6	8.9	4.7	1.4	0.2	1.4	4.3	8.6
90.5°	22.6	20.0	16.5	12.1	7.7	3.9	0.9	0.2	0.9	3.3	7.2
91°	21.0	18.4	14.9	10.8	6.6	3.1	0.7	0.2	0.7	2.6	6.0
91.5°	19.4	16.9	13.5	9.6	5.6	2.3	0.5	0.2	0.5	2.0	5.0
92°	17.9	15.5	12.2	8.4	4.9	1.8	0.4	0.2	0.4	1.6	4.1
92.5°	16.5	14.1	11.0	7.4	4.2	1.4	0.3	0.1	0.4	1.4	3.4
93°	15.2	12.9	9.9	6.5	3.5	1.2	0.3	0.1	0.4	1.3	2.9
93.5°	13.9	11.8	8.9	5.7	2.9	1.0	0.2	0.1	0.4	1.2	2.6
94°	12.8	10.7	8.0	5.1	2.5	0.9	0.2	0.1	0.4	1.1	2.3
94.5°	11.7	9.8	7.1	4.6	2.2	0.8	0.2	0.2	0.4	1.1	2.2
95°	10.7	8.8	6.4	4.0	1.9	0.7	0.2	0.2	0.3	1.0	2.1
95.5°	9.8	8.0	5.7	3.4	1.7	0.6	0.2	0.2	0.3	1.0	2.0
96°	9.0	7.3	5.2	3.1	1.5	0.5	0.2	0.2	0.3	1.0	1.9
96.5°	8.2	6.6	4.7	2.8	1.4	0.5	0.2	0.2	0.3	1.0	1.9
97°	7.5	6.0	4.2	2.5	1.3	0.5	0.2	0.3	0.3	0.9	1.8
97.5°	6.9	5.5	3.7	2.3	1.2	0.4	0.3	0.3	0.3	0.9	1.8
98°	6.3	5.1	3.4	2.1	1.1	0.4	0.3	0.3	0.3	0.9	1.8
98.5°	5.7	4.6	3.2	2.0	1.0	0.4	0.3	0.4	0.3	0.9	1.7
99°	5.3	4.1	2.9	1.9	0.9	0.4	0.3	0.4	0.3	0.9	1.7
99.5°	4.9	3.8	2.8	1.7	0.8	0.5	0.4	0.4	0.3	0.9	1.7
100°	4.5	3.5	2.6	1.6	0.8	0.5	0.4	0.4	0.3	0.9	1.7
100.5°	4.2	3.4	2.5	1.5	0.7	0.5	0.4	0.5	0.4	0.9	1.7
101°	3.9	3.2	2.4	1.4	0.8	0.5	0.5	0.5	0.4	0.9	1.6
101.5°	3.7	3.1	2.2	1.3	0.7	0.6	0.5	0.5	0.4	0.9	1.6
102°	3.5	2.9	2.1	1.3	0.7	0.6	0.6	0.6	0.5	0.9	1.6
102.5°	3.4	2.8	2.0	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
103°	3.2	2.6	1.9	1.1	0.7	0.6	0.7	0.7	0.6	0.9	1.7
103.5°	3.1	2.5	1.8	1.1	0.7	0.7	0.7	0.8	0.6	0.9	1.7
104°	2.9	2.3	1.7	1.0	0.8	0.7	0.7	0.8	0.7	0.9	1.6
104.5°	2.8	2.3	1.6	1.0	0.8	0.7	0.7	0.9	0.7	0.9	1.6
105°	2.6	2.1	1.5	1.0	0.8	0.8	0.8	0.9	0.8	0.9	1.6
105.5°	2.5	2.0	1.5	1.0	0.9	0.8	0.9	1.0	0.8	0.9	1.7
106°	2.4	1.9	1.4	1.0	0.9	0.8	1.0	1.0	0.9	0.9	1.7
106.5°	2.3	1.8	1.3	1.0	0.9	0.8	1.1	1.0	1.1	0.9	1.6
107°	2.2	1.8	1.3	1.0	1.0	0.9	1.2	1.1	1.3	0.9	1.6
107.5°	2.0	1.7	1.2	1.0	1.0	0.9	1.3	1.2	1.3	0.9	1.6
108°	2.0	1.6	1.2	1.0	1.0	0.9	1.3	1.2	1.2	0.9	1.6
108.5°	1.9	1.5	1.2	1.0	1.0	0.9	1.3	1.2	1.2	0.9	1.5
109°	1.8	1.5	1.2	1.0	0.9	0.9	1.3	1.2	1.2	1.0	1.5
109.5°	1.7	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
110°	1.6	1.4	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
110.5°	1.6	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
111°	1.5	1.3	1.2	1.1	1.0	1.1	1.3	1.3	1.2	1.1	1.4



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

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: P563520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8
0.5°	811.8	810.4	810.6	814.7	811.9	811.0	809.9	810.5	812.0	811.6	810.5
1°	814.0	809.9	810.6	811.7	812.3	812.1	809.5	809.7	811.1	809.8	810.4
1.5°	810.3	810.3	809.9	811.3	811.6	810.0	810.1	811.0	811.1	811.8	810.2
2°	809.2	809.6	809.9	811.4	811.7	813.9	809.5	808.8	811.7	811.7	812.0
2.5°	809.2	809.2	809.1	813.3	811.0	810.9	809.7	809.8	811.3	813.2	810.3
3°	808.4	808.8	808.8	810.1	810.1	810.4	808.0	809.4	811.2	811.9	809.8
3.5°	807.5	808.2	808.1	808.6	809.5	808.9	809.2	808.6	810.0	810.6	808.6
4°	806.9	806.8	807.8	809.9	808.6	808.8	808.2	808.1	809.6	809.0	809.2
4.5°	805.6	806.0	806.6	810.3	809.4	809.1	808.0	807.6	809.0	809.2	808.2
5°	804.3	805.6	805.9	807.2	808.1	805.9	806.8	806.7	808.5	808.7	807.3
5.5°	803.6	804.1	804.4	810.6	806.4	808.3	804.9	806.1	807.4	808.4	806.9
6°	802.4	802.9	803.3	805.7	805.2	804.4	805.7	805.4	806.8	807.2	807.0
6.5°	801.5	801.5	802.3	803.3	804.1	803.0	804.2	804.3	805.3	806.4	805.3
7°	799.9	800.2	801.4	802.9	802.6	803.3	802.4	802.4	805.0	805.7	804.4
7.5°	798.3	799.2	799.6	800.8	801.7	803.9	802.0	801.7	803.2	803.7	802.8
8°	797.1	797.7	798.1	800.5	800.2	800.3	798.5	800.2	802.4	803.0	802.0
8.5°	795.8	795.6	796.7	798.2	799.1	795.9	797.9	798.6	800.9	801.3	800.2
9°	793.4	793.9	794.8	796.1	795.7	797.8	795.3	797.5	799.6	799.9	799.0
9.5°	791.5	792.3	792.8	795.4	794.8	796.9	794.5	795.7	798.0	799.6	797.8
10°	790.2	790.7	790.6	793.7	793.4	793.3	793.5	794.5	795.9	800.5	796.5
10.5°	787.9	787.9	789.4	791.5	791.4	791.3	791.7	792.0	794.5	796.9	794.4
11°	785.6	786.2	787.4	790.7	791.6	789.3	791.0	790.3	792.4	809.2	792.3
11.5°	783.3	784.1	784.9	789.5	787.6	786.9	788.9	788.3	790.7	790.7	789.4
12°	780.7	781.9	782.7	784.5	785.6	784.9	786.1	786.6	788.8	788.9	788.4
12.5°	779.0	779.7	781.0	781.3	782.8	781.9	783.6	784.9	786.0	787.0	786.2
13°	776.3	777.4	778.5	780.4	780.0	783.8	782.5	782.0	784.0	784.8	785.8
13.5°	774.1	774.5	775.3	784.9	779.9	775.6	777.7	780.8	781.7	782.8	782.0
14°	770.7	772.0	772.8	775.0	776.0	773.7	776.6	777.3	779.0	780.2	779.8
14.5°	768.3	769.5	769.8	772.5	773.7	775.3	773.0	774.1	777.0	777.3	777.3
15°	766.0	767.0	767.4	769.7	774.5	775.2	770.8	772.4	774.4	775.5	774.7
15.5°	763.3	763.4	764.5	765.1	766.4	768.2	767.8	769.7	771.8	772.3	772.6
16°	759.5	760.4	761.7	766.6	763.5	767.0	765.3	766.5	768.6	770.2	768.9
16.5°	757.1	757.5	758.3	760.6	760.7	764.4	762.3	764.2	765.6	766.9	765.9
17°	754.1	754.7	755.5	758.5	758.4	759.6	759.5	760.6	762.3	764.2	763.3
17.5°	750.6	751.3	752.0	756.2	754.9	754.5	756.1	756.6	759.8	760.5	761.2
18°	747.0	747.9	749.2	749.6	751.3	753.3	753.4	754.0	756.3	757.8	758.4
18.5°	743.7	744.8	745.6	748.2	749.6	749.3	749.5	750.7	753.1	755.0	754.6
19°	740.1	741.2	742.2	746.6	745.1	743.7	745.5	748.7	749.4	751.1	751.3
19.5°	737.5	737.2	738.6	739.6	740.8	742.1	743.1	739.8	746.3	747.7	748.6
20°	732.9	733.8	734.9	737.3	736.7	738.5	738.7	738.9	742.8	744.6	744.8
20.5°	729.1	730.4	730.9	733.4	734.2	734.1	735.0	737.1	739.1	741.2	741.1
21°	724.9	726.0	727.2	729.7	727.7	728.9	730.7	734.4	734.2	737.1	737.3



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	713.4	714.1	715.1	714.9	717.5	718.3	719.1	720.0	724.7	725.3	726.4
23°	709.4	710.1	711.1	710.3	712.5	714.4	715.1	715.9	719.8	721.6	721.5
23.5°	705.1	705.9	706.4	709.1	708.1	710.4	710.7	712.5	715.7	717.8	718.3
24°	700.7	701.7	702.4	705.1	705.8	705.8	706.9	708.7	711.5	713.7	714.1
24.5°	696.1	697.1	697.7	703.1	699.8	697.4	702.2	704.6	707.4	709.0	710.2
25°	691.6	692.3	693.2	695.0	694.2	698.0	697.7	700.0	702.5	705.0	705.4
25.5°	687.0	688.2	688.6	689.6	691.8	692.3	692.7	694.9	698.4	700.8	702.0
26°	682.9	683.5	684.3	685.0	686.7	686.7	688.8	690.6	692.7	696.2	696.3
26.5°	678.4	678.9	678.9	680.7	681.3	682.2	684.9	684.8	689.2	691.3	692.8
27°	673.3	673.9	674.7	676.7	676.3	676.7	678.5	680.9	678.8	686.9	687.4
27.5°	668.8	668.6	669.3	671.7	671.7	672.0	675.3	676.1	679.9	681.9	683.8
28°	663.3	663.7	664.5	665.0	665.1	666.9	667.9	672.2	674.5	677.2	678.7
28.5°	658.7	658.9	659.8	659.5	661.0	664.7	662.1	665.2	669.4	673.2	673.3
29°	653.3	654.1	654.8	658.9	655.5	657.0	656.5	663.2	665.4	668.2	668.9
29.5°	648.3	648.7	649.4	650.0	651.5	651.4	653.8	656.2	659.6	662.9	663.2
30°	643.3	643.4	643.8	646.0	645.1	646.0	647.8	646.9	654.3	657.8	658.8
30.5°	637.9	638.3	638.5	640.0	639.8	639.4	642.4	645.4	649.3	652.3	653.7
31°	632.5	633.0	633.4	633.8	634.4	634.9	635.3	641.4	643.9	647.4	651.4
31.5°	627.7	627.8	627.7	628.7	627.8	631.1	630.6	632.4	638.2	641.5	643.4
32°	622.1	622.4	622.4	624.2	623.8	623.2	625.1	630.3	633.3	636.8	638.3
32.5°	616.9	616.7	616.7	617.4	617.1	618.3	620.0	622.8	627.5	631.6	633.4
33°	611.1	611.4	611.2	610.8	611.3	609.7	613.8	618.3	622.0	625.9	627.6
33.5°	605.7	605.4	605.0	605.4	606.3	602.4	607.9	610.7	616.3	620.4	622.1
34°	600.0	599.5	599.3	600.1	599.9	606.1	601.5	606.4	610.8	614.3	616.1
34.5°	594.7	594.5	593.9	594.5	593.2	593.1	596.4	600.5	604.9	608.8	610.5
35°	588.7	588.3	587.9	588.7	587.5	584.1	591.0	592.6	598.9	603.1	605.8
35.5°	583.0	582.5	581.8	582.6	581.6	583.7	584.9	588.1	593.4	597.4	599.7
36°	577.1	576.6	575.9	577.7	575.9	577.7	577.9	580.8	587.3	591.8	594.6
36.5°	572.2	571.3	570.2	570.3	569.0	568.4	573.5	575.8	581.4	586.3	588.4
37°	565.5	565.3	563.9	562.8	562.1	563.4	565.0	570.1	575.1	580.2	582.6
37.5°	559.4	558.8	557.5	557.6	557.6	557.2	559.8	563.7	568.8	574.0	577.6
38°	553.4	552.8	551.8	551.9	550.0	549.6	553.0	557.9	563.1	567.8	569.9
38.5°	547.6	546.7	545.6	545.5	544.2	544.3	546.8	551.4	557.0	561.8	564.5
39°	541.7	540.5	539.4	540.8	537.3	536.9	540.0	545.1	550.7	555.9	559.0
39.5°	535.7	534.8	533.0	532.0	531.4	534.3	533.3	539.0	544.5	549.5	552.7
40°	529.3	528.1	526.6	525.6	525.1	525.5	526.8	532.5	538.1	543.7	545.9
40.5°	523.3	522.4	520.4	519.8	517.9	519.4	520.5	525.5	531.5	537.0	540.4
41°	517.2	515.9	513.8	512.8	515.9	512.7	514.5	518.7	525.4	531.2	534.7
41.5°	511.4	509.6	507.8	511.8	505.8	505.3	508.5	512.1	519.4	524.6	528.6
42°	504.9	503.7	501.6	500.1	497.9	499.5	501.5	505.8	513.0	518.3	521.8
42.5°	498.5	497.0	495.1	493.1	491.7	493.6	494.8	499.5	506.6	511.9	515.7
43°	492.3	490.8	488.7	486.2	486.2	485.5	488.6	493.1	499.7	505.7	510.2
43.5°	486.4	484.6	482.2	480.8	479.0	478.6	481.9	485.8	493.1	499.2	503.2



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	467.4	465.4	462.7	462.4	460.1	459.5	462.1	468.3	474.4	480.1	484.1
45.5°	461.0	458.9	456.6	454.7	452.7	453.0	455.0	459.5	467.6	473.9	478.5
46°	454.9	452.6	450.0	447.7	446.6	446.5	448.0	456.2	461.1	467.6	471.4
46.5°	448.3	446.0	443.7	442.7	440.2	439.9	442.4	448.5	454.5	461.1	465.0
47°	442.1	439.9	436.9	434.8	431.6	433.4	435.6	442.7	448.0	454.5	458.5
47.5°	435.9	433.5	430.7	427.5	427.1	426.8	429.1	435.4	441.5	448.0	452.4
48°	429.3	427.3	424.1	422.4	420.3	420.3	423.0	427.2	435.0	441.4	446.1
48.5°	423.1	420.8	417.9	415.1	413.1	413.7	416.3	420.3	428.5	435.2	441.0
49°	416.5	414.6	411.3	409.6	404.5	407.5	409.3	415.2	422.0	428.5	432.8
49.5°	410.4	408.1	404.9	402.7	400.9	400.7	402.8	406.8	415.6	422.4	427.5
50°	403.9	401.6	398.6	396.2	394.0	394.4	396.7	401.8	409.2	415.6	418.6
50.5°	397.7	395.3	392.3	389.8	387.1	387.8	390.0	396.2	402.6	409.1	413.4
51°	391.6	388.8	385.9	383.6	381.5	381.6	383.7	387.6	396.3	402.8	407.3
51.5°	385.6	382.6	379.5	376.9	374.8	375.0	377.6	382.6	389.6	396.1	401.2
52°	378.6	376.4	373.3	371.0	368.6	368.9	371.1	374.7	383.4	390.2	394.9
52.5°	372.5	369.9	366.7	364.4	362.1	362.5	364.8	368.8	376.7	383.4	388.2
53°	365.5	363.7	360.7	358.5	355.9	356.4	358.5	364.0	370.8	377.2	381.6
53.5°	348.3	357.3	354.6	351.1	349.3	349.9	352.2	356.9	363.9	370.7	375.5
54°	353.7	351.4	348.2	344.1	343.4	344.1	346.2	351.7	357.9	364.5	369.2
54.5°	347.1	345.0	342.0	340.7	337.7	337.8	340.1	345.9	351.6	358.0	362.5
55°	340.9	339.0	335.8	333.7	330.8	331.9	333.8	338.0	345.3	351.8	356.6
55.5°	335.6	332.9	329.8	327.4	324.4	325.6	327.7	333.2	339.1	345.6	350.5
56°	328.2	326.7	323.6	320.8	319.1	319.3	321.8	326.7	332.9	339.5	343.8
56.5°	322.9	320.6	317.7	315.0	313.6	313.6	315.8	320.7	326.9	333.1	337.7
57°	316.5	314.5	311.5	310.1	308.7	307.4	309.6	314.7	320.7	327.2	331.2
57.5°	311.8	308.2	305.5	303.2	301.7	301.7	304.1	308.7	314.6	320.8	325.1
58°	304.9	302.4	299.6	297.2	296.7	295.6	298.1	302.4	308.7	314.5	319.0
58.5°	298.8	296.6	293.8	291.6	291.6	290.0	292.2	296.5	302.5	308.6	312.9
59°	292.7	290.5	287.9	285.0	280.1	284.0	286.5	290.9	296.7	302.6	306.7
59.5°	286.7	284.5	282.2	279.9	277.7	278.4	281.1	285.0	290.8	296.4	300.6
60°	280.6	278.4	276.2	274.5	272.6	272.7	274.9	279.0	284.9	290.3	294.1
60.5°	276.5	272.9	270.7	268.3	266.7	267.1	269.5	273.7	279.2	284.3	288.3
61°	268.5	267.1	264.8	262.6	261.4	261.6	263.7	267.8	273.3	278.9	282.1
61.5°	264.8	261.4	259.2	257.6	255.6	256.1	258.0	262.4	267.4	272.6	276.4
62°	257.0	255.3	253.1	251.4	250.1	250.7	252.7	256.4	261.5	266.8	270.3
62.5°	251.1	249.7	247.7	246.3	245.6	245.0	247.0	250.8	255.8	260.8	264.0
63°	245.7	244.0	242.3	240.4	239.1	239.9	241.7	245.1	250.4	255.1	258.0
63.5°	239.6	238.5	236.8	234.8	234.1	234.2	236.2	239.6	244.7	249.5	252.6
64°	234.2	232.9	231.3	229.6	228.7	229.1	230.9	234.3	238.9	243.5	246.5
64.5°	228.1	227.3	225.9	224.2	223.8	223.8	225.8	228.9	233.4	237.9	240.7
65°	222.6	221.7	220.4	219.4	218.6	218.8	220.4	223.8	228.2	232.4	235.0
65.5°	217.2	216.2	215.0	214.2	213.1	213.3	214.9	218.4	222.8	226.5	229.1
66°	211.6	210.8	209.6	208.4	207.7	208.4	209.8	213.2	217.2	220.8	223.5



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	195.1	194.6	193.9	193.4	193.2	193.4	194.8	197.6	201.3	204.5	205.8
68°	190.0	189.4	188.9	188.8	188.0	188.3	189.8	192.4	196.1	199.1	200.9
68.5°	184.0	184.2	184.0	183.2	183.0	183.4	184.8	187.6	190.8	193.6	195.0
69°	178.8	178.9	178.5	178.3	178.0	178.6	179.9	182.5	185.7	188.3	189.2
69.5°	173.2	173.7	173.6	173.4	173.5	173.8	175.3	177.6	180.7	183.2	183.9
70°	168.8	168.7	168.8	168.5	168.4	169.0	170.4	172.7	175.4	177.8	178.7
70.5°	162.5	163.7	163.9	163.7	163.4	164.4	166.0	168.0	170.5	172.6	173.0
71°	157.2	158.6	159.0	159.2	159.3	159.9	161.1	163.0	165.4	167.4	168.2
71.5°	152.7	153.6	154.1	154.3	154.7	155.1	156.6	158.3	160.8	162.3	162.5
72°	147.6	148.6	149.2	149.6	149.9	150.6	151.8	153.6	155.7	157.2	157.7
72.5°	142.3	143.8	144.7	145.4	145.6	146.0	147.2	148.9	151.0	152.3	152.3
73°	137.2	138.9	139.9	140.7	140.7	141.6	143.0	144.3	146.1	147.2	147.3
73.5°	132.6	134.2	135.4	136.1	136.8	137.2	138.3	139.8	141.5	142.4	141.7
74°	128.0	129.8	131.0	131.6	132.8	133.0	133.8	135.3	136.8	137.5	137.0
74.5°	123.4	125.5	126.7	127.5	128.6	128.9	129.7	130.9	132.1	132.7	132.2
75°	118.7	121.1	122.4	123.3	124.4	124.8	125.6	126.8	127.8	128.2	127.4
75.5°	114.0	116.8	118.0	119.2	120.2	120.7	121.5	122.7	123.5	123.6	122.6
76°	104.8	112.4	113.7	115.0	116.0	116.6	117.4	118.6	119.2	119.1	117.8
76.5°	105.0	107.3	109.2	110.6	111.8	112.5	113.3	114.4	114.8	114.5	113.0
77°	99.4	103.0	105.1	106.9	107.6	108.6	109.3	110.0	110.5	110.1	108.2
77.5°	95.4	98.2	100.9	103.0	103.7	104.6	105.4	105.9	106.1	105.5	103.3
78°	91.1	93.5	96.7	98.7	99.8	100.6	101.2	101.5	101.8	100.8	98.6
78.5°	86.5	89.9	92.6	94.7	95.9	96.7	97.4	97.7	97.8	96.6	94.2
79°	82.0	86.6	88.6	90.7	91.9	93.0	93.5	93.8	93.4	92.2	89.6
79.5°	77.8	81.5	84.8	87.0	88.3	89.2	89.7	90.0	89.4	87.9	84.9
80°	73.6	78.0	80.9	83.2	85.3	85.5	86.1	86.1	85.5	83.9	80.9
80.5°	70.1	73.7	77.2	79.6	81.2	82.1	82.4	82.4	81.6	79.8	76.4
81°	65.6	69.7	73.5	76.2	77.6	78.5	78.9	78.7	77.8	75.7	72.5
81.5°	61.7	66.2	69.9	72.4	74.0	75.0	75.3	75.0	74.0	71.8	68.1
82°	58.1	63.6	66.4	69.1	70.9	71.6	72.0	71.5	70.3	68.0	64.2
82.5°	54.5	59.0	62.9	65.8	67.2	68.2	68.4	68.1	66.8	64.4	60.2
83°	50.8	55.6	59.5	62.4	64.0	65.0	65.3	64.7	63.4	60.6	56.5
83.5°	47.4	52.3	56.3	59.1	60.9	61.8	62.0	61.4	59.8	57.0	52.8
84°	44.6	49.0	53.1	56.0	58.0	58.8	59.0	58.3	56.6	53.6	49.3
84.5°	41.0	46.0	49.9	52.9	54.3	55.7	55.7	55.0	53.3	50.3	45.8
85°	37.9	42.8	46.9	49.9	51.7	52.7	52.7	51.9	50.1	47.0	42.4
85.5°	34.9	39.8	43.9	46.9	48.8	49.8	49.8	48.9	47.1	43.8	39.2
86°	31.8	37.0	41.1	44.2	46.0	47.0	47.0	46.0	44.0	40.7	36.1
86.5°	29.1	34.1	38.3	41.3	43.3	44.2	44.1	43.4	41.1	37.8	33.4
87°	26.5	31.5	35.6	38.8	40.6	41.6	41.5	40.5	38.3	34.9	30.3
87.5°	24.0	29.0	33.1	36.1	38.1	39.0	38.9	37.8	35.7	32.2	27.5
88°	21.5	26.5	30.6	33.7	35.6	36.4	36.4	35.3	33.0	29.5	24.9
88.5°	19.3	24.2	28.2	31.2	33.2	34.0	34.0	32.8	30.5	27.1	22.4



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	13.8	17.8	21.7	24.7	26.5	27.3	27.1	25.9	23.6	20.2	16.2
90.5°	12.1	16.1	19.8	22.6	24.5	25.2	25.1	23.9	21.6	18.2	14.5
91°	10.4	14.6	17.9	20.7	22.5	23.3	23.1	21.9	19.6	16.3	12.8
91.5°	8.7	13.1	16.2	18.9	20.7	21.4	21.2	19.9	17.7	14.8	11.2
92°	7.5	11.6	14.8	17.2	18.9	19.6	19.4	18.2	16.0	13.3	9.5
92.5°	6.4	10.1	13.4	15.6	17.2	18.0	17.7	16.5	14.6	11.8	7.8
93°	5.5	8.7	12.0	14.3	15.7	16.4	16.1	15.0	13.3	10.3	6.8
93.5°	4.8	7.6	10.6	13.1	14.5	14.9	14.7	13.8	11.9	8.9	5.9
94°	4.2	6.7	9.3	11.8	13.2	13.8	13.6	12.6	10.6	7.8	5.1
94.5°	3.8	5.9	8.3	10.6	12.0	12.6	12.4	11.4	9.2	6.9	4.5
95°	3.4	5.3	7.4	9.3	10.8	11.4	11.3	10.2	8.3	6.1	4.0
95.5°	3.2	4.8	6.7	8.4	9.6	10.3	10.1	9.0	7.4	5.5	3.6
96°	3.0	4.4	6.1	7.6	8.7	9.1	9.0	8.1	6.7	5.0	3.4
96.5°	2.9	4.1	5.6	7.0	8.0	8.3	8.2	7.4	6.1	4.6	3.2
97°	2.8	3.9	5.2	6.4	7.3	7.6	7.5	6.8	5.6	4.3	3.0
97.5°	2.7	3.8	4.9	5.9	6.7	7.0	6.9	6.2	5.2	4.0	2.9
98°	2.6	3.6	4.6	5.6	6.3	6.5	6.4	5.8	4.9	3.9	2.9
98.5°	2.6	3.5	4.5	5.3	5.9	6.1	6.0	5.5	4.7	3.8	2.8
99°	2.5	3.5	4.4	5.1	5.6	5.8	5.7	5.3	4.6	3.7	2.7
99.5°	2.5	3.4	4.3	5.0	5.4	5.6	5.5	5.1	4.5	3.6	2.7
100°	2.5	3.3	4.2	4.9	5.3	5.5	5.4	5.0	4.3	3.5	2.6
100.5°	2.4	3.3	4.1	4.7	5.2	5.3	5.2	4.9	4.2	3.4	2.6
101°	2.4	3.2	4.0	4.7	5.1	5.2	5.1	4.8	4.2	3.4	2.5
101.5°	2.4	3.2	3.9	4.6	5.0	5.1	5.0	4.7	4.1	3.3	2.5
102°	2.4	3.1	3.8	4.5	4.9	5.0	4.9	4.6	4.0	3.3	2.5
102.5°	2.3	3.1	3.8	4.4	4.8	4.9	4.8	4.5	3.9	3.2	2.5
103°	2.3	3.1	3.7	4.3	4.7	4.8	4.7	4.4	3.9	3.2	2.4
103.5°	2.3	3.0	3.7	4.2	4.6	4.7	4.7	4.3	3.8	3.1	2.4
104°	2.3	3.0	3.6	4.2	4.5	4.7	4.6	4.3	3.7	3.1	2.3
104.5°	2.3	3.0	3.6	4.1	4.5	4.6	4.5	4.2	3.7	3.1	2.3
105°	2.3	2.9	3.6	4.1	4.4	4.5	4.4	4.1	3.7	3.0	2.3
105.5°	2.3	2.9	3.5	4.0	4.3	4.4	4.4	4.1	3.6	3.0	2.2
106°	2.2	2.8	3.5	4.0	4.3	4.4	4.3	4.0	3.6	2.9	2.2
106.5°	2.2	2.8	3.5	3.9	4.2	4.3	4.2	4.0	3.6	2.9	2.2
107°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	3.9	3.5	2.9	2.2
107.5°	2.2	2.8	3.4	3.9	4.1	4.2	4.2	3.9	3.4	2.8	2.2
108°	2.2	2.8	3.3	3.8	4.1	4.2	4.1	3.9	3.4	2.8	2.2
108.5°	2.2	2.7	3.3	3.8	4.1	4.2	4.1	3.8	3.3	2.8	2.2
109°	2.2	2.7	3.2	3.7	4.0	4.1	4.0	3.7	3.3	2.8	2.1
109.5°	2.2	2.7	3.2	3.7	4.0	4.1	4.0	3.7	3.3	2.8	2.1
110°	2.2	2.7	3.2	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.1
110.5°	2.2	2.7	3.2	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.0
111°	2.1	2.7	3.2	3.6	3.8	3.9	3.8	3.6	3.2	2.7	2.0



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

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: P563520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	810.8	810.8	810.8	810.8
0.5°	811.3	809.8	807.3	810.8
1°	810.7	810.2	812.6	811.3
1.5°	811.3	809.7	810.5	810.3
2°	810.7	809.7	810.3	810.5
2.5°	811.0	809.1	811.2	810.0
3°	810.2	809.2	809.8	810.9
3.5°	810.4	808.6	809.8	810.3
4°	809.5	807.9	810.8	809.6
4.5°	808.7	808.6	808.1	808.3
5°	808.8	807.3	808.8	808.3
5.5°	807.8	806.6	806.6	807.2
6°	807.6	807.0	808.1	806.4
6.5°	805.7	804.4	805.9	804.6
7°	804.4	803.7	805.1	804.7
7.5°	803.1	803.3	804.5	803.1
8°	802.0	800.7	802.2	801.6
8.5°	801.0	800.1	800.6	800.3
9°	799.8	798.6	799.2	799.5
9.5°	797.9	798.0	799.1	796.7
10°	796.4	795.6	798.6	797.3
10.5°	795.0	793.7	789.1	794.9
11°	792.9	792.5	792.5	792.5
11.5°	791.3	789.5	794.2	791.8
12°	789.3	788.1	794.4	788.5
12.5°	786.9	786.4	783.7	786.2
13°	785.5	784.3	784.6	783.6
13.5°	782.7	782.3	784.9	782.7
14°	780.6	778.8	780.2	778.9
14.5°	778.2	777.3	780.1	776.3
15°	775.1	775.1	777.9	777.3
15.5°	772.9	771.5	769.3	771.5
16°	770.5	768.8	768.4	769.9
16.5°	768.1	766.3	771.3	764.9
17°	764.6	762.4	763.7	764.8
17.5°	761.2	760.3	763.4	760.9
18°	758.9	758.0	760.0	758.4
18.5°	755.9	753.5	755.1	754.9
19°	752.1	752.1	752.2	751.4
19.5°	748.9	747.2	748.9	747.8
20°	745.7	743.7	746.5	745.2
20.5°	742.6	741.3	741.6	741.2
21°	738.7	738.5	739.6	738.0



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	727.6	726.0	731.4	726.9
23°	723.6	722.7	723.8	723.3
23.5°	719.7	719.6	722.3	722.1
24°	714.9	713.8	714.7	716.0
24.5°	711.1	710.5	711.2	720.8
25°	706.7	705.4	706.5	707.9
25.5°	702.6	701.9	703.1	701.7
26°	698.2	696.0	698.8	697.0
26.5°	694.4	694.2	693.8	693.4
27°	689.8	689.1	690.2	688.0
27.5°	685.1	683.8	685.4	683.2
28°	680.4	679.5	680.3	681.1
28.5°	675.3	674.6	676.1	680.4
29°	670.8	669.5	671.4	666.6
29.5°	665.7	665.7	666.3	666.1
30°	660.5	659.8	660.9	659.3
30.5°	655.7	655.6	655.9	655.4
31°	650.7	650.6	651.3	648.5
31.5°	645.4	644.2	646.2	645.3
32°	640.2	640.6	640.9	637.2
32.5°	635.0	635.6	635.9	635.9
33°	629.9	627.9	630.2	628.5
33.5°	624.6	624.7	625.2	622.4
34°	618.6	619.5	619.7	616.6
34.5°	613.2	613.5	614.3	614.2
35°	607.7	608.0	608.6	607.6
35.5°	602.4	602.3	602.4	601.4
36°	596.5	596.8	599.6	596.4
36.5°	590.8	590.3	590.8	590.5
37°	584.8	584.9	586.2	585.0
37.5°	579.0	578.8	579.5	577.4
38°	573.2	573.2	574.6	569.6
38.5°	567.8	567.8	566.7	564.4
39°	561.6	562.4	562.4	558.6
39.5°	555.6	555.2	555.8	556.2
40°	549.1	549.6	551.4	551.4
40.5°	543.3	544.0	545.2	544.0
41°	537.1	538.0	538.5	536.5
41.5°	531.3	532.1	533.0	535.7
42°	525.5	525.8	527.2	524.9
42.5°	519.1	518.7	519.0	518.2
43°	512.7	513.1	514.6	512.4
43.5°	506.5	507.0	507.8	506.1



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	487.5	487.5	488.8	487.7
45.5°	481.5	481.4	482.5	481.7
46°	474.9	475.4	476.9	472.5
46.5°	468.5	469.2	469.8	469.0
47°	462.3	462.1	464.1	463.0
47.5°	455.8	456.5	457.3	455.4
48°	449.6	450.6	451.2	447.5
48.5°	443.1	444.7	444.3	442.2
49°	436.7	437.6	438.1	438.8
49.5°	430.4	431.3	432.2	429.4
50°	423.7	424.8	425.0	424.6
50.5°	417.6	419.0	418.5	419.2
51°	411.2	412.0	412.4	411.1
51.5°	405.1	406.2	406.1	404.6
52°	398.3	399.4	400.0	398.4
52.5°	391.9	393.1	393.2	392.2
53°	385.8	386.5	387.1	385.0
53.5°	379.4	380.5	380.6	379.0
54°	372.8	373.8	374.3	372.8
54.5°	366.6	367.5	367.6	365.9
55°	360.3	360.9	361.4	360.2
55.5°	354.3	354.8	355.4	353.6
56°	347.4	348.2	349.0	347.0
56.5°	341.4	341.9	342.5	340.7
57°	334.9	335.6	336.3	333.5
57.5°	328.5	329.6	329.0	327.7
58°	322.4	323.2	323.5	322.3
58.5°	316.1	317.0	317.0	315.1
59°	309.9	310.5	310.9	310.1
59.5°	303.6	304.2	304.4	302.5
60°	297.4	298.2	298.1	296.6
60.5°	291.3	291.9	292.0	290.0
61°	285.2	285.7	286.0	284.5
61.5°	279.3	279.3	280.0	278.3
62°	272.9	273.6	273.7	271.4
62.5°	266.8	267.3	267.0	265.5
63°	260.7	261.1	260.8	259.2
63.5°	254.7	254.9	255.0	253.1
64°	248.6	248.6	248.2	246.5
64.5°	242.8	242.8	242.5	240.6
65°	236.8	237.1	236.3	234.4
65.5°	230.9	230.7	230.0	228.3
66°	225.0	224.9	224.8	222.4



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	207.5	206.9	206.2	204.0
68°	201.9	201.0	200.3	198.3
68.5°	196.0	195.4	194.3	191.6
69°	190.3	189.2	188.2	185.8
69.5°	184.7	183.6	182.3	180.0
70°	179.0	177.6	176.3	174.4
70.5°	173.4	172.0	170.4	168.1
71°	167.8	166.4	164.7	162.1
71.5°	162.4	160.9	159.1	156.5
72°	156.9	154.9	153.3	150.8
72.5°	151.4	149.6	147.3	145.3
73°	146.0	143.8	141.9	139.5
73.5°	140.8	138.4	136.4	133.8
74°	135.5	133.2	130.9	128.2
74.5°	130.5	127.9	125.5	122.6
75°	125.5	122.7	120.0	117.0
75.5°	120.5	117.4	114.6	111.5
76°	115.4	112.1	109.1	106.1
76.5°	110.4	106.9	103.9	100.5
77°	105.5	101.9	98.7	95.3
77.5°	100.5	96.8	93.6	90.6
78°	95.7	91.7	88.4	85.0
78.5°	90.9	86.9	83.5	79.6
79°	86.1	82.0	78.2	75.2
79.5°	81.5	77.0	73.3	70.1
80°	76.9	72.4	68.5	65.1
80.5°	72.5	67.8	63.7	60.4
81°	68.2	63.2	59.0	55.7
81.5°	63.8	58.9	54.6	51.5
82°	59.6	54.5	50.1	47.4
82.5°	55.5	50.3	46.0	43.3
83°	51.5	46.3	41.8	39.1
83.5°	47.7	42.2	37.7	35.0
84°	44.2	38.6	34.0	31.2
84.5°	40.5	34.9	30.2	27.4
85°	37.2	31.3	26.6	23.9
85.5°	33.8	28.1	23.4	20.6
86°	30.7	24.9	20.1	17.4
86.5°	27.7	21.8	17.5	14.5
87°	24.8	19.1	14.9	11.7
87.5°	22.1	16.8	12.3	9.1
88°	19.5	14.6	9.7	6.6
88.5°	17.2	12.3	7.1	5.3



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	11.5	6.2	2.6	1.5
90.5°	9.6	4.9	1.7	0.2
91°	7.8	3.8	1.1	0.2
91.5°	6.5	2.9	0.8	0.1
92°	5.4	2.3	0.6	0.1
92.5°	4.4	1.9	0.5	0.1
93°	3.8	1.6	0.5	0.1
93.5°	3.2	1.4	0.5	0.1
94°	2.8	1.3	0.4	0.1
94.5°	2.5	1.3	0.4	0.1
95°	2.3	1.2	0.4	0.1
95.5°	2.2	1.2	0.4	0.1
96°	2.1	1.1	0.4	0.2
96.5°	2.0	1.1	0.4	0.2
97°	2.0	1.1	0.4	0.2
97.5°	1.9	1.1	0.4	0.2
98°	1.9	1.0	0.3	0.2
98.5°	1.9	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°	1.8	1.0	0.3	0.4
100.5°	1.7	1.0	0.4	0.4
101°	1.7	1.0	0.4	0.4
101.5°	1.7	1.0	0.4	0.5
102°	1.7	1.0	0.4	0.5
102.5°	1.7	1.0	0.5	0.6
103°	1.6	0.9	0.5	0.6
103.5°	1.6	0.9	0.5	0.6
104°	1.6	0.9	0.6	0.7
104.5°	1.6	0.8	0.6	0.7
105°	1.6	0.8	0.6	0.7
105.5°	1.6	0.8	0.6	0.7
106°	1.5	0.8	0.7	0.8
106.5°	1.5	0.8	0.7	0.8
107°	1.5	0.8	0.7	0.8
107.5°	1.5	0.8	0.7	0.9
108°	1.4	0.7	0.8	0.9
108.5°	1.4	0.8	0.8	1.0
109°	1.4	0.8	0.8	1.1
109.5°	1.3	0.8	0.9	1.1
110°	1.3	0.8	0.9	1.2
110.5°	1.2	0.8	0.9	1.2
111°	1.2	0.9	0.9	1.2



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563520

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

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°	733.8	734.9	725.2	737.8	730.1	728.6	726.7	726.5	724.1	721.9	720.1
22°	730.3	722.3	723.1	733.6	726.5	724.5	722.7	720.6	719.6	717.4	716.9



44°	499.6	499.2	495.0	501.5	491.7	486.6	480.3	474.9	469.3	466.2	464.7
44.5°	494.1	492.7	487.4	495.1	485.4	479.8	473.6	468.3	463.0	459.5	458.3



66.5°	215.9	215.6	213.1	217.6	211.6	208.4	204.0	201.0	197.8	195.8	195.4
67°	209.8	209.6	207.3	210.6	206.0	202.8	198.9	196.1	192.5	190.7	190.1



89°	4.0	4.5	7.7	12.8	17.7	22.3	25.9	28.5	29.9	30.3	29.5
89.5°	2.8	3.4	6.2	11.1	15.8	20.3	23.9	26.5	27.9	28.3	27.6



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



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



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



179°	1.7	1.7	1.6	1.5	1.3	1.2	1.2	1.0	1.1	1.0	1.1
179.5°	1.7	1.7	1.7	1.7	1.5	1.3	1.1	1.1	0.9	0.9	0.9





21.5°	719.1	715.7	720.5	717.9	718.3	718.2	717.6	718.9	724.3	715.1	725.4
22°	717.4	716.3	715.4	714.7	714.6	713.2	715.2	714.5	714.1	708.8	723.9



44°	467.1	470.1	473.2	477.6	477.6	477.3	478.0	478.3	480.2	476.0	486.0
44.5°	460.5	464.7	468.7	470.2	471.9	471.3	471.7	472.3	472.7	469.9	479.0



66.5°	196.6	198.7	200.9	201.9	202.4	201.4	200.9	201.6	202.1	202.5	207.5
67°	191.5	193.3	195.5	196.3	196.6	195.7	194.9	195.9	196.2	196.9	201.9



89°	28.0	25.3	21.6	16.9	11.8	6.8	3.5	1.3	3.2	7.0	12.6
89.5°	26.1	23.4	19.7	15.2	10.2	5.6	2.5	0.2	2.2	5.6	10.6



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



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



156.5°	1.7	1.7	1.8	1.9	2.1	2.0	1.8	1.8	1.6	2.0	2.2
157°	1.7	1.7	1.8	2.0	2.1	2.0	1.8	1.7	1.6	2.0	2.1



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





21.5°	721.7	721.4	723.2	725.0	725.0	725.8	726.5	727.4	731.2	733.6	732.5
22°	717.2	718.0	719.4	723.7	722.2	726.1	723.1	724.1	727.6	729.6	730.2



44°	479.6	478.1	475.8	475.3	472.3	473.0	474.8	480.1	486.8	493.1	496.8
44.5°	473.6	472.0	469.6	468.1	464.4	465.5	468.6	474.1	480.8	486.7	490.9



66.5°	205.9	205.4	204.5	203.4	203.0	203.3	204.9	208.1	212.0	215.3	218.2
67°	200.6	199.8	199.0	198.9	197.7	198.4	199.7	202.6	206.5	209.8	212.5



89°	17.2	21.9	26.0	29.0	30.9	31.7	31.5	30.4	28.1	24.7	20.1
89.5°	15.5	19.9	23.8	26.7	28.7	29.4	29.3	28.1	25.9	22.4	17.8



111.5°	2.1	2.7	3.1	3.5	3.8	3.8	3.8	3.5	3.2	2.7	2.0
112°	2.1	2.6	3.1	3.5	3.7	3.8	3.7	3.5	3.1	2.6	2.0



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



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



179°	1.6	1.7	1.4	1.2	1.1	1.1	0.9	0.9	1.0	1.2	1.2
179.5°	1.7	1.7	1.5	1.3	1.0	0.9	0.9	0.8	1.1	1.0	1.3





21.5°	735.0	733.9	736.4	733.8
22°	731.0	731.1	731.3	730.3



44°	500.2	500.7	500.5	499.6
44.5°	494.2	495.0	494.9	494.1



66.5°	219.2	219.1	218.1	215.9
67°	213.4	212.9	212.1	209.8



89°	15.3	10.1	5.3	4.0
89.5°	13.4	7.8	3.8	2.8



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



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



156.5°	2.2	2.1	1.7	1.8
157°	2.2	2.1	1.7	1.8



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



(END OF REPORT)