

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: P563530

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

Issue Date: 7/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P563530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( s22030032a-01)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2NWS23C3-UNV-LOW-5000K  
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING  
Light Source: -  
Ballast/Driver:

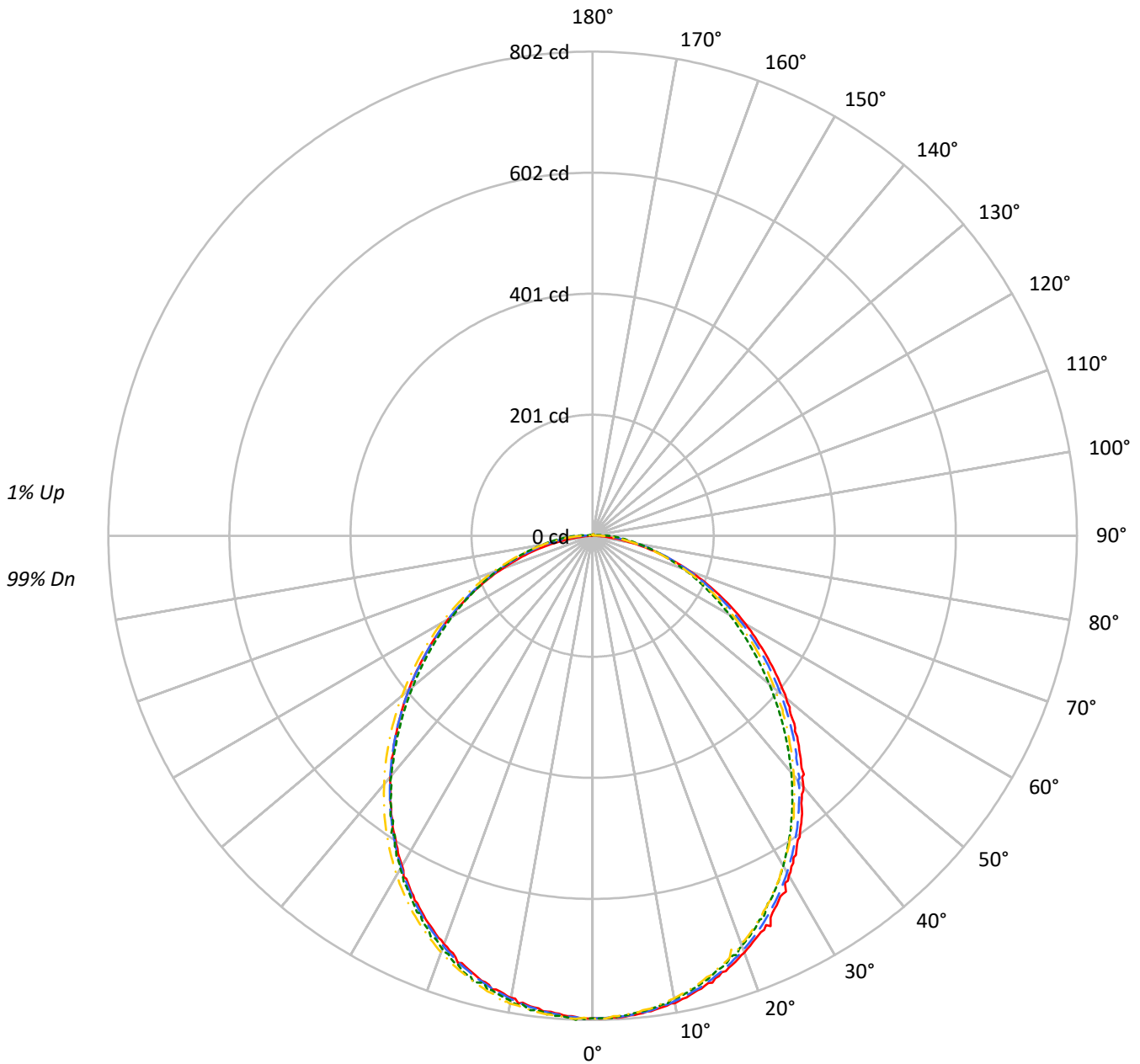
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2032.0 lumens  
Efficiency: N/A  
Efficacy: 128.6 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): 15.8  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P563530  
CATALOG NUMBER: 2NWS23C3-UNV-LOW-5000K

### 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°	9717	9717	9717	9717
5°	9690	9532	9626	9540
10°	9633	9306	9524	9346
15°	9540	9057	9375	9159
20°	9365	8754	9176	8818
25°	9184	8398	8940	8489
30°	8911	8000	8657	8067
35°	8640	7531	8321	7555
40°	8336	7017	7991	7104
45°	7938	6463	7574	6559
50°	7546	5901	7162	6012
55°	7105	5343	6721	5470
60°	6633	4800	6261	4933
65°	6104	4272	5700	4425
70°	5488	3742	5070	3908
75°	4689	3200	4311	3402
80°	3638	2633	3225	2860
85°	2233	2139	1816	2303



TEST NUMBER: P563530  
 CATALOG NUMBER: 2NWS23C3-UNV-LOW-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.5	3.7
10°-20°	213.7	10.5
20°-30°	316.0	15.6
30°-40°	365.2	18.0
40°-50°	356.9	17.6
50°-60°	301.8	14.9
60°-70°	218.2	10.7
70°-80°	124.4	6.1
80°-90°	43.6	2.1
90°-100°	7.1	0.4
100°-110°	2.2	0.1
110°-120°	1.7	0.1
120°-130°	1.4	0.1
130°-140°	1.3	0.1
140°-150°	1.3	0.1
150°-160°	0.9	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	605.2	29.8
0°-40°	970.4	47.8
0°-60°	1629.1	80.2
0°-90°	2015.3	99.2
90°-120°	11.1	0.5
90°-150°	15.1	0.7
90°-180°	17.0	0.8
0°-180°	2032.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	799	799	799	799	799	
5°	797	794	792	795	797	76
15°	766	756	753	764	766	215
25°	698	681	679	688	698	321
35°	599	574	577	576	599	374
45°	481	446	459	453	481	371
55°	355	320	336	327	355	317
65°	231	208	216	216	231	229
75°	115	116	106	123	115	122
85°	24	48	19	52	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	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: P563530

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

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3
0.5°	799.4	802.3	793.7	809.6	799.3	799.1	799.5	801.3	798.6	799.9	798.6
1°	799.9	801.1	793.0	805.7	799.0	799.3	799.2	802.2	800.0	799.3	798.1
1.5°	798.9	800.6	792.5	811.1	798.7	799.2	798.8	802.5	800.6	799.5	797.7
2°	799.1	798.7	792.2	808.5	798.9	798.3	799.5	800.1	798.9	798.7	799.3
2.5°	798.6	797.4	792.2	805.1	800.3	798.2	798.3	798.4	798.6	799.9	796.8
3°	799.5	798.8	792.2	805.5	798.3	798.4	798.2	802.3	797.1	797.1	796.6
3.5°	798.9	796.6	791.2	804.6	798.1	797.1	797.4	800.6	797.9	796.8	795.7
4°	798.2	801.8	795.3	808.3	797.4	797.0	796.6	797.2	796.4	796.4	795.6
4.5°	796.9	798.2	790.9	805.4	797.1	795.9	795.5	797.6	796.0	795.0	795.4
5°	796.9	799.3	789.6	802.5	796.4	795.1	795.6	795.7	794.9	793.9	792.7
5.5°	795.9	795.4	790.2	803.9	794.6	793.7	794.2	795.9	794.4	793.2	791.7
6°	795.1	798.2	788.3	799.7	793.8	793.5	793.6	791.4	793.1	791.8	791.3
6.5°	793.3	790.1	787.3	800.8	793.7	792.6	792.2	794.2	792.9	791.1	788.8
7°	793.4	795.8	786.0	800.2	792.3	791.0	791.0	799.8	791.9	789.5	789.0
7.5°	791.8	791.3	788.4	799.9	790.9	789.9	789.7	786.9	790.0	788.3	787.0
8°	790.3	790.7	784.1	798.8	789.0	788.2	788.0	790.0	787.5	786.9	784.3
8.5°	789.1	790.3	781.9	797.0	788.1	787.0	786.1	786.1	787.4	785.0	783.5
9°	788.2	792.8	782.0	794.1	786.4	785.7	785.1	786.0	784.5	785.9	781.2
9.5°	785.5	786.4	779.3	790.7	784.9	784.3	783.7	784.8	782.3	780.2	780.6
10°	786.1	785.5	778.0	792.6	782.9	782.4	782.0	781.2	782.9	778.8	779.1
10.5°	783.7	782.9	776.3	789.2	781.1	780.7	779.8	778.5	778.3	777.3	777.1
11°	781.3	780.1	776.2	788.4	780.6	778.3	778.1	778.8	777.9	775.9	775.0
11.5°	780.7	779.1	773.0	783.7	777.6	776.1	775.8	775.7	774.9	773.5	772.9
12°	777.4	777.4	771.7	782.4	775.8	774.6	774.0	773.4	770.6	771.5	769.8
12.5°	775.2	774.6	768.4	781.4	773.2	772.2	771.3	773.0	770.1	768.7	767.3
13°	772.6	774.6	772.1	777.4	771.2	770.2	769.4	768.0	767.8	766.9	765.1
13.5°	771.7	770.9	764.8	782.6	769.6	767.6	766.9	766.0	765.9	764.2	762.6
14°	767.9	769.3	763.3	775.8	766.0	765.0	764.2	765.0	763.7	761.2	759.7
14.5°	765.3	767.2	731.8	773.8	763.5	762.6	761.5	767.3	759.7	759.0	756.6
15°	766.4	763.4	755.1	765.8	761.7	759.8	759.1	759.8	758.5	755.8	754.2
15.5°	760.6	755.9	755.1	770.6	758.5	757.2	756.0	754.6	757.0	752.1	751.8
16°	759.1	759.8	752.1	759.8	755.0	754.4	753.4	753.0	751.1	748.6	748.9
16.5°	754.1	756.4	748.5	763.5	753.1	751.7	749.9	749.3	748.2	747.1	745.7
17°	754.1	752.4	765.5	759.4	750.2	748.6	747.7	746.8	744.6	744.6	741.9
17.5°	750.2	749.8	743.1	757.5	746.8	745.5	744.1	745.6	745.8	740.9	738.8
18°	747.7	747.2	738.7	753.6	743.6	742.8	741.5	741.3	739.2	735.2	735.6
18.5°	744.3	745.1	737.8	749.8	739.9	738.9	738.2	738.2	735.7	732.9	732.3
19°	740.8	741.6	736.2	746.5	737.6	735.8	735.0	735.3	732.3	734.2	728.6
19.5°	737.3	739.5	733.4	743.6	735.1	732.4	731.1	730.1	729.1	726.4	725.3
20°	734.8	732.4	729.1	740.4	731.1	728.8	727.8	725.7	725.2	722.8	721.6
20.5°	730.7	729.7	724.8	736.6	727.3	725.4	724.1	725.0	722.5	719.0	718.5
21°	727.6	726.9	720.5	732.4	723.7	721.8	720.8	720.1	718.3	714.9	713.8



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	716.7	719.8	709.6	720.4	712.5	710.3	709.7	710.1	706.1	703.6	701.9
23°	713.1	711.0	707.0	720.1	708.4	706.5	705.4	702.3	701.0	698.5	697.0
23.5°	712.0	711.4	701.5	716.0	704.5	702.8	702.5	701.8	697.3	693.3	693.0
24°	705.9	704.0	699.9	710.7	700.3	698.1	701.9	695.0	692.8	693.9	688.9
24.5°	710.7	700.6	693.1	702.9	696.1	694.0	692.4	691.3	688.3	687.8	684.0
25°	697.9	695.9	692.0	702.3	691.8	689.9	687.5	684.6	683.4	680.8	680.3
25.5°	691.8	691.2	684.6	700.5	687.8	685.2	682.9	684.2	679.5	674.2	675.6
26°	687.2	686.4	681.2	691.6	683.1	680.7	679.2	681.3	674.6	671.8	671.1
26.5°	683.6	683.3	675.7	687.5	679.2	676.0	674.9	671.4	669.5	667.2	664.4
27°	678.3	678.2	668.7	681.8	674.3	671.9	669.3	667.3	665.3	662.2	661.1
27.5°	673.6	673.0	666.0	678.1	669.7	667.2	664.4	663.3	661.7	657.4	655.9
28°	671.5	669.4	661.3	673.3	664.7	662.6	660.1	659.1	654.5	652.4	650.7
28.5°	670.9	666.6	659.8	669.5	659.8	657.3	655.3	654.3	649.5	647.4	645.8
29°	657.2	659.2	653.2	663.1	655.0	652.3	650.7	647.1	645.0	641.9	640.3
29.5°	656.7	656.4	648.4	659.3	650.5	647.5	643.9	642.3	639.4	636.9	635.1
30°	650.0	647.4	641.4	655.8	645.5	642.7	639.3	640.8	634.5	631.6	630.0
30.5°	646.2	652.3	638.8	649.7	640.5	637.8	634.5	632.0	629.5	626.0	624.4
31°	639.3	641.1	632.7	643.3	635.3	632.5	629.4	626.3	623.6	620.4	619.3
31.5°	636.2	634.5	634.7	639.9	629.9	626.9	624.0	622.2	617.8	614.7	613.3
32°	628.2	629.9	623.9	638.4	624.7	621.7	618.2	615.5	612.3	609.3	607.2
32.5°	627.0	625.0	615.3	626.4	619.6	616.3	613.0	610.3	606.3	603.3	602.7
33°	619.7	620.1	614.1	622.9	614.3	611.1	607.4	604.3	600.2	597.8	596.3
33.5°	613.6	614.3	607.9	619.1	608.8	605.6	601.9	597.1	595.0	592.2	590.7
34°	608.0	607.4	603.6	619.8	603.3	599.9	595.8	595.3	589.1	586.6	583.7
34.5°	605.6	603.5	598.3	607.4	597.7	593.9	590.1	586.8	582.2	580.2	578.5
35°	599.1	597.8	591.5	602.6	592.5	588.9	584.3	581.1	577.8	574.1	572.3
35.5°	592.9	592.9	586.3	596.0	586.5	583.0	578.5	575.2	570.6	568.1	566.4
36°	588.0	586.7	580.8	589.3	581.1	577.6	572.4	568.4	564.4	561.9	561.0
36.5°	582.2	581.0	575.5	584.4	575.1	571.1	566.1	566.7	560.2	555.8	554.7
37°	576.8	575.1	570.1	579.5	570.0	565.6	561.1	555.7	553.9	549.8	548.2
37.5°	569.3	570.4	564.0	571.2	563.4	559.5	554.6	551.5	546.7	543.2	542.7
38°	561.6	564.1	558.4	566.4	557.6	554.1	548.5	544.2	540.8	536.9	535.8
38.5°	556.5	557.9	553.4	561.4	552.3	547.7	542.8	537.9	533.9	530.8	530.0
39°	550.8	552.2	547.0	556.6	546.4	541.5	535.2	534.0	527.3	524.4	522.9
39.5°	548.4	546.4	541.2	549.9	540.2	535.5	531.6	525.8	521.8	518.1	517.0
40°	543.6	540.7	535.3	537.1	527.8	529.7	525.0	518.5	515.1	511.7	510.4
40.5°	536.3	534.8	529.7	536.6	533.2	523.1	518.0	513.3	508.1	505.1	504.0
41°	529.0	528.8	523.3	531.2	520.3	517.2	511.3	509.4	503.7	498.6	497.6
41.5°	528.2	522.3	517.4	525.2	516.0	511.0	505.7	500.2	496.4	492.1	491.4
42°	517.5	516.2	511.3	519.1	506.5	504.6	498.8	495.4	489.4	485.6	484.3
42.5°	510.9	510.8	505.2	512.2	500.0	498.6	492.6	488.3	482.5	479.4	478.3
43°	505.2	504.7	499.4	509.3	497.0	492.5	486.2	481.4	476.1	472.7	471.7
43.5°	499.0	498.7	493.7	499.5	490.9	485.8	479.9	475.1	469.8	465.9	465.2



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	480.9	480.4	474.7	481.0	472.1	467.2	460.6	454.6	449.6	446.4	446.0
45.5°	474.9	474.0	468.7	474.8	465.9	460.9	454.4	447.4	443.5	439.9	439.5
46°	465.9	467.5	462.4	468.6	459.7	454.4	448.3	442.5	436.6	433.3	432.6
46.5°	462.4	461.1	456.0	462.5	453.3	447.8	441.5	436.1	430.3	426.9	426.1
47°	456.5	455.0	450.8	456.4	447.1	441.8	434.7	430.2	423.9	420.8	420.5
47.5°	449.0	448.5	442.6	449.6	440.7	435.1	428.4	423.5	417.1	413.9	413.2
48°	441.2	441.4	438.0	443.6	434.8	428.6	422.2	416.7	411.3	407.5	406.9
48.5°	436.0	436.8	431.3	437.3	428.1	422.2	415.7	410.5	403.8	400.8	400.1
49°	432.6	430.4	425.9	430.4	422.0	416.0	408.9	403.3	397.9	394.7	394.4
49.5°	423.4	422.5	419.0	423.8	415.3	409.8	403.4	396.3	391.3	388.2	386.9
50°	418.7	419.0	413.1	418.2	409.2	403.5	396.5	390.6	384.9	381.7	381.5
50.5°	413.3	410.3	405.9	411.4	402.8	396.5	390.0	384.8	378.4	375.3	374.0
51°	405.3	405.0	400.3	405.1	396.7	390.6	383.5	377.2	372.5	369.0	368.8
51.5°	398.9	397.6	393.9	398.4	390.1	384.0	377.2	371.7	365.7	362.6	362.0
52°	392.7	391.3	388.2	391.7	383.8	377.8	371.0	362.0	359.6	356.4	355.9
52.5°	386.7	386.1	382.0	385.8	377.7	371.6	364.6	358.5	353.4	350.2	349.2
53°	379.5	379.4	374.5	379.5	371.0	365.2	358.3	352.5	347.1	344.1	343.1
53.5°	373.7	373.6	367.2	373.7	365.0	359.0	352.2	346.2	340.8	337.9	337.1
54°	367.5	367.0	363.3	367.1	359.0	352.6	345.5	340.3	334.8	331.5	330.7
54.5°	360.7	360.0	356.4	360.6	352.1	346.6	339.5	336.6	328.9	325.6	325.4
55°	355.1	354.0	349.8	354.7	346.0	340.1	333.4	327.2	322.5	319.6	318.6
55.5°	348.6	348.2	345.5	346.7	339.9	334.1	327.0	321.4	316.6	313.4	313.2
56°	342.1	341.7	338.1	341.3	333.8	327.8	321.9	315.6	310.6	307.5	307.2
56.5°	335.9	334.8	334.2	334.9	327.3	321.7	315.3	309.1	304.6	301.5	301.3
57°	328.8	328.6	326.1	329.1	321.1	315.6	308.7	303.1	299.0	295.9	296.4
57.5°	323.1	322.0	319.5	324.2	315.1	309.5	303.2	297.1	292.7	289.9	288.8
58°	317.8	316.8	313.0	316.2	309.0	303.8	297.0	292.7	286.8	284.0	284.1
58.5°	310.7	309.8	306.5	310.0	302.8	297.4	290.9	285.4	281.4	278.5	278.2
59°	305.7	303.4	300.5	303.7	296.8	291.7	285.4	280.0	275.6	272.9	272.4
59.5°	298.3	298.2	294.3	297.9	290.8	285.4	279.5	274.1	269.8	267.0	266.8
60°	292.4	292.3	288.2	291.4	284.5	279.5	273.7	268.8	263.5	261.5	261.2
60.5°	285.9	285.8	282.1	285.3	278.6	273.6	267.5	263.0	258.3	256.1	255.6
61°	280.5	279.7	275.8	279.3	272.7	267.7	262.1	257.6	253.2	250.3	249.7
61.5°	274.4	273.1	269.6	273.4	266.8	261.9	256.0	251.8	247.6	244.9	244.9
62°	267.6	266.6	264.5	266.7	260.6	256.2	250.6	245.7	241.7	239.6	239.7
62.5°	261.7	261.2	257.6	260.6	255.0	250.2	245.0	240.3	237.1	234.3	233.3
63°	255.5	254.5	254.0	254.7	248.8	244.7	239.2	238.3	230.6	229.0	228.8
63.5°	249.5	248.5	247.0	248.6	243.2	238.9	234.1	229.9	226.0	223.7	223.5
64°	243.1	241.8	239.8	242.6	236.6	233.3	228.3	224.6	220.7	218.4	218.0
64.5°	237.3	236.4	234.2	236.8	231.7	227.8	223.0	218.4	215.4	213.5	213.2
65°	231.1	230.6	228.3	231.4	222.3	222.2	217.4	213.7	210.2	208.2	207.8
65.5°	225.1	224.4	222.1	224.9	219.8	216.7	212.0	208.6	205.2	203.2	202.8
66°	219.3	218.7	215.9	219.0	214.5	211.0	206.7	203.4	199.7	198.1	197.4





TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	201.1	201.1	199.2	201.3	197.7	194.6	190.7	188.0	184.7	183.3	182.6
68°	195.5	194.7	193.6	195.6	191.9	189.4	185.7	183.2	180.1	178.3	178.1
68.5°	188.9	188.4	187.6	189.7	186.5	184.0	180.8	178.1	175.4	173.7	172.9
69°	183.2	182.9	181.8	184.2	181.1	178.7	176.2	173.2	170.3	169.0	168.5
69.5°	177.5	177.2	175.0	179.9	175.7	173.4	170.6	168.2	165.6	164.1	163.4
70°	172.0	171.5	169.0	172.8	170.1	168.3	165.8	163.5	161.5	159.5	158.9
70.5°	165.8	165.8	164.3	167.4	164.8	163.1	160.7	158.5	156.4	154.8	154.3
71°	159.9	159.7	158.7	161.5	159.6	158.0	156.0	153.9	151.8	150.5	149.7
71.5°	154.3	154.7	153.0	156.4	154.4	152.9	151.1	149.4	147.2	146.0	145.7
72°	148.6	148.8	148.1	151.2	149.1	148.1	146.3	144.5	142.8	141.5	141.6
72.5°	143.2	143.1	142.3	145.4	143.8	143.1	141.4	140.1	138.0	137.1	136.9
73°	137.6	137.5	136.7	140.1	138.8	138.2	137.0	135.5	133.9	132.6	132.0
73.5°	131.9	131.4	131.3	134.8	133.7	133.4	132.1	131.0	129.5	128.5	127.8
74°	126.4	126.4	125.8	129.2	128.7	128.5	127.7	126.8	125.2	124.1	123.5
74.5°	120.8	120.6	120.5	124.1	123.7	123.9	123.1	122.0	120.9	119.9	119.2
75°	115.3	115.4	115.3	118.8	118.9	119.2	118.5	117.9	116.9	115.8	115.2
75.5°	109.9	109.9	110.7	115.4	114.1	114.4	114.0	113.5	112.7	111.5	111.0
76°	104.6	105.0	104.7	108.7	109.1	110.0	109.4	109.6	108.6	108.1	106.9
76.5°	99.1	99.6	100.0	104.0	104.4	105.4	105.5	105.2	104.5	103.8	103.0
77°	93.9	94.2	94.8	98.3	99.8	101.0	101.1	101.2	100.5	99.7	99.0
77.5°	89.3	89.0	90.2	94.0	95.3	96.4	96.6	96.8	96.6	95.8	95.1
78°	83.8	84.4	85.0	89.2	90.8	92.2	93.2	93.2	92.6	92.0	91.3
78.5°	78.5	79.0	80.3	84.6	86.2	88.0	88.8	89.3	89.0	88.4	87.7
79°	74.1	73.9	75.6	79.7	81.9	83.8	84.7	85.3	85.2	84.8	84.1
79.5°	69.1	69.0	70.5	75.4	77.5	79.6	80.8	81.5	81.5	81.0	80.3
80°	64.2	64.5	66.3	71.0	73.3	75.7	76.9	78.0	78.1	77.6	77.0
80.5°	59.6	60.0	61.9	66.5	69.2	71.6	73.2	74.4	74.6	74.2	73.4
81°	54.9	55.3	57.5	62.2	65.1	67.8	70.3	70.8	71.4	70.9	70.2
81.5°	50.8	51.3	53.5	58.2	61.1	64.0	66.4	67.5	67.8	67.7	67.1
82°	46.7	47.3	49.7	54.0	57.2	60.4	62.8	64.2	64.7	64.5	63.8
82.5°	42.7	43.3	45.9	50.3	53.2	56.8	59.3	61.2	61.6	61.4	60.5
83°	38.6	39.2	42.0	46.7	50.0	53.1	56.0	57.8	58.5	58.4	57.8
83.5°	34.5	35.2	38.2	43.1	46.8	50.1	53.0	54.8	55.6	55.5	55.0
84°	30.8	31.7	34.3	39.5	43.5	47.2	50.3	52.1	53.0	53.5	52.4
84.5°	27.0	27.9	30.8	35.9	40.3	44.3	47.5	49.5	50.4	50.9	49.9
85°	23.6	24.4	27.4	32.6	37.1	41.4	44.7	46.9	47.8	48.2	47.3
85.5°	20.3	21.1	24.2	29.5	34.2	38.6	42.0	44.2	45.2	45.6	44.8
86°	17.2	18.0	21.1	26.5	31.4	35.9	39.3	41.6	42.6	42.9	42.2
86.5°	14.3	15.1	18.3	23.8	28.7	33.2	36.7	39.1	40.2	40.5	39.8
87°	11.5	12.3	15.7	21.1	26.2	30.7	34.2	36.7	37.9	38.2	37.5
87.5°	9.0	9.9	13.4	18.7	23.8	28.4	32.0	34.4	35.7	36.0	35.2
88°	6.5	7.6	11.2	16.5	21.5	26.1	29.7	32.2	33.4	33.8	33.2
88.5°	5.2	5.6	9.3	14.5	19.4	24.0	27.5	30.1	31.4	31.8	31.1



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.5	2.3	5.3	9.4	14.0	18.3	21.7	24.3	25.7	26.1	25.5
90.5°	0.2	1.2	4.4	8.1	12.4	16.6	20.1	22.6	24.0	24.4	23.8
91°	0.2	0.8	3.6	6.9	11.0	15.1	18.4	20.9	22.3	22.7	22.2
91.5°	0.1	0.5	2.7	5.8	9.7	13.6	16.9	19.3	20.7	21.1	20.5
92°	0.1	0.4	1.9	5.1	8.5	12.3	15.4	17.8	19.2	19.7	19.2
92.5°	0.1	0.3	1.5	4.3	7.5	11.0	14.1	16.4	17.8	18.2	17.7
93°	0.1	0.3	1.2	3.6	6.5	9.8	12.8	15.1	16.4	16.8	16.3
93.5°	0.1	0.3	1.0	2.9	5.7	8.8	11.7	13.9	15.1	15.6	15.1
94°	0.1	0.2	0.8	2.4	5.1	7.9	10.6	12.7	14.0	14.4	13.9
94.5°	0.1	0.2	0.7	2.1	4.5	7.0	9.6	11.6	12.9	13.3	12.9
95°	0.1	0.2	0.6	1.8	3.9	6.3	8.7	10.7	11.8	12.2	11.8
95.5°	0.1	0.2	0.6	1.6	3.3	5.6	7.8	9.7	10.8	11.2	10.8
96°	0.2	0.2	0.5	1.4	2.9	5.1	7.0	8.8	9.9	10.3	9.9
96.5°	0.2	0.2	0.5	1.3	2.6	4.6	6.4	8.0	9.1	9.4	9.1
97°	0.2	0.2	0.4	1.2	2.3	4.0	5.7	7.3	8.3	8.7	8.3
97.5°	0.2	0.3	0.4	1.1	2.1	3.5	5.3	6.7	7.6	8.0	7.7
98°	0.2	0.3	0.4	1.0	1.9	3.2	4.8	6.1	7.0	7.3	7.0
98.5°	0.3	0.3	0.4	0.9	1.8	3.0	4.4	5.6	6.4	6.7	6.4
99°	0.3	0.3	0.4	0.8	1.7	2.7	3.9	5.2	5.9	6.1	5.9
99.5°	0.3	0.4	0.4	0.8	1.6	2.6	3.6	4.8	5.5	5.6	5.5
100°	0.4	0.4	0.4	0.7	1.5	2.4	3.4	4.5	5.1	5.3	5.1
100.5°	0.4	0.5	0.5	0.7	1.4	2.3	3.2	4.1	4.7	4.9	4.7
101°	0.4	0.5	0.5	0.7	1.3	2.1	3.0	3.8	4.3	4.5	4.3
101.5°	0.5	0.5	0.5	0.7	1.2	2.0	2.9	3.6	4.0	4.2	4.0
102°	0.5	0.6	0.6	0.7	1.2	1.9	2.7	3.5	3.8	3.9	3.8
102.5°	0.5	0.6	0.6	0.7	1.1	1.8	2.6	3.3	3.6	3.8	3.7
103°	0.6	0.6	0.6	0.7	1.0	1.7	2.4	3.1	3.5	3.6	3.5
103.5°	0.6	0.7	0.6	0.7	1.0	1.6	2.3	3.0	3.3	3.4	3.3
104°	0.7	0.7	0.6	0.7	0.9	1.5	2.2	2.8	3.2	3.3	3.2
104.5°	0.7	0.8	0.6	0.8	0.9	1.4	2.1	2.6	3.0	3.1	3.0
105°	0.7	0.9	0.6	0.8	0.9	1.4	1.9	2.5	2.9	3.0	2.9
105.5°	0.7	1.0	0.6	0.8	0.9	1.3	1.9	2.4	2.7	2.9	2.8
106°	0.8	1.1	0.7	0.8	0.9	1.3	1.8	2.3	2.6	2.7	2.6
106.5°	0.8	1.0	0.7	0.9	0.9	1.2	1.7	2.1	2.5	2.6	2.5
107°	0.8	1.0	0.7	0.9	0.9	1.2	1.6	2.0	2.4	2.5	2.4
107.5°	0.8	1.0	0.8	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.3
108°	0.9	1.0	0.8	0.9	0.9	1.1	1.5	1.9	2.1	2.2	2.2
108.5°	1.0	1.0	0.9	0.9	1.0	1.1	1.4	1.8	2.0	2.1	2.0
109°	1.0	1.1	0.9	0.9	1.0	1.1	1.4	1.7	1.9	2.0	2.0
109.5°	1.1	1.1	1.0	0.8	1.0	1.1	1.3	1.6	1.9	1.9	1.9
110°	1.1	1.1	1.0	0.9	1.1	1.1	1.3	1.6	1.8	1.8	1.8
110.5°	1.2	1.2	1.0	0.9	1.1	1.1	1.2	1.5	1.7	1.8	1.7
111°	1.2	1.2	1.0	0.9	1.1	1.1	1.2	1.4	1.6	1.7	1.6



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**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	1.9	1.8	1.7	1.7	1.6	1.7
135.5°	1.6	1.7	1.7	1.9	2.5	2.0	1.8	1.7	1.7	1.7	1.7
136°	1.6	1.7	1.7	1.9	2.4	2.0	1.8	1.8	1.7	1.7	1.7
136.5°	1.6	1.7	1.7	1.9	2.3	2.1	1.9	1.8	1.7	1.7	1.7
137°	1.6	1.7	1.8	1.9	2.3	2.2	1.9	1.8	1.8	1.7	1.8
137.5°	1.6	1.7	1.8	1.9	2.2	2.4	1.9	1.8	1.8	1.7	1.8
138°	1.6	1.7	1.8	1.8	2.2	2.5	1.9	1.9	1.8	1.8	1.8
138.5°	1.6	1.7	1.8	1.8	2.2	2.6	2.0	1.9	1.8	1.8	1.8
139°	1.7	1.7	1.8	1.7	2.2	2.7	2.0	1.9	1.9	1.8	1.9
139.5°	1.7	1.7	1.9	1.7	2.2	2.8	2.1	1.9	1.9	1.8	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	2.6	2.3	2.0	1.9	1.9	1.9
141°	1.7	1.7	1.9	1.7	2.3	2.5	2.4	2.0	1.9	1.9	2.0
141.5°	1.7	1.7	1.9	1.7	2.3	2.5	2.6	2.1	2.0	1.9	2.0
142°	1.7	1.7	1.9	1.7	2.3	2.4	2.7	2.1	2.0	2.0	2.0
142.5°	1.7	1.7	1.9	1.7	2.2	2.3	2.8	2.2	2.0	2.0	2.0
143°	1.7	1.7	1.9	1.7	2.1	2.3	2.8	2.4	2.1	2.0	2.1
143.5°	1.7	1.8	2.0	1.7	2.1	2.3	2.8	2.5	2.2	2.1	2.2
144°	1.8	1.8	2.0	1.8	2.0	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	2.4	2.3	2.4
145°	1.8	1.8	2.0	1.8	1.9	2.3	2.5	2.9	2.6	2.4	2.6
145.5°	1.8	1.8	2.0	1.8	1.9	2.3	2.4	2.8	2.7	2.6	2.7
146°	1.8	1.8	2.1	1.8	1.8	2.3	2.3	2.7	2.8	2.7	2.8
146.5°	1.8	1.7	2.1	1.9	1.8	2.3	2.3	2.6	2.9	2.8	2.9
147°	1.8	1.7	2.1	1.9	1.7	2.3	2.3	2.5	2.8	2.8	2.8
147.5°	1.8	1.6	2.1	1.9	1.7	2.2	2.3	2.4	2.7	2.8	2.7
148°	1.8	1.6	2.0	1.9	1.7	2.2	2.3	2.4	2.6	2.7	2.6
148.5°	1.7	1.6	2.0	1.9	1.7	2.1	2.4	2.3	2.5	2.5	2.5
149°	1.7	1.6	2.0	1.9	1.7	2.0	2.4	2.3	2.4	2.4	2.4
149.5°	1.7	1.6	2.0	2.0	1.7	2.0	2.4	2.3	2.3	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	2.3
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	1.6	2.0	2.0	1.7	1.8	2.2	2.4	2.3	2.3	2.3
151.5°	1.7	1.6	2.0	2.0	1.7	1.7	2.1	2.4	2.4	2.3	2.3
152°	1.7	1.6	2.0	2.0	1.8	1.7	2.0	2.3	2.4	2.3	2.4
152.5°	1.7	1.6	2.0	2.0	1.8	1.7	1.9	2.3	2.4	2.4	2.3
153°	1.7	1.6	2.0	2.0	1.8	1.7	1.9	2.2	2.3	2.3	2.3
153.5°	1.7	1.6	2.0	2.0	1.8	1.7	1.8	2.1	2.3	2.3	2.3
154°	1.7	1.6	2.0	2.0	1.9	1.7	1.7	2.0	2.2	2.3	2.2
154.5°	1.7	1.6	2.0	2.0	1.9	1.7	1.7	1.9	2.1	2.2	2.1
155°	1.7	1.6	2.0	2.0	1.9	1.7	1.7	1.9	2.0	2.1	2.0
155.5°	1.7	1.6	1.9	2.0	1.9	1.7	1.6	1.8	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	1.9



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3
0.5°	796.6	800.0	801.7	799.0	799.9	798.0	799.9	799.8	801.8	783.1	808.0
1°	798.3	798.5	800.4	798.1	799.0	798.4	798.8	799.5	798.2	791.6	807.0
1.5°	797.6	798.9	801.7	798.7	798.4	796.5	799.7	799.5	794.6	793.2	809.7
2°	800.1	799.4	799.6	796.8	798.1	796.4	799.0	797.7	796.7	791.3	804.8
2.5°	797.6	797.8	796.5	796.6	797.4	796.6	797.6	796.4	797.1	791.7	804.8
3°	796.2	797.7	798.0	795.2	796.8	796.4	793.5	796.9	797.7	795.6	804.7
3.5°	794.8	786.3	795.8	795.5	795.3	794.6	795.6	795.7	794.3	788.8	803.6
4°	793.9	792.2	795.7	794.4	795.3	793.1	795.6	793.7	795.3	787.3	802.8
4.5°	794.4	796.4	795.1	793.2	794.3	795.0	793.7	793.2	793.9	784.7	806.9
5°	792.7	805.0	795.1	792.2	792.6	790.0	794.2	791.7	792.0	787.6	802.9
5.5°	792.1	793.2	794.5	791.1	791.2	789.8	793.9	791.6	793.7	785.9	800.0
6°	791.2	791.4	790.5	790.0	791.1	789.9	790.6	791.4	790.8	784.3	798.4
6.5°	789.5	790.3	790.5	788.8	788.9	788.1	789.2	787.9	789.1	783.6	798.3
7°	788.1	791.2	789.6	788.2	787.6	787.2	792.8	787.3	788.5	781.0	797.2
7.5°	786.5	787.1	787.8	786.3	786.4	785.2	795.6	786.2	786.7	780.9	794.6
8°	784.9	786.1	785.5	784.3	784.6	782.3	783.6	784.7	784.7	780.0	793.7
8.5°	783.5	784.2	783.5	783.1	782.6	780.5	783.9	781.8	783.1	779.3	790.9
9°	782.0	782.3	782.2	780.8	780.8	778.8	782.0	784.5	781.3	773.4	787.7
9.5°	780.1	780.8	780.6	778.5	779.4	777.1	780.3	777.4	780.0	776.2	791.4
10°	776.8	778.8	778.5	777.6	777.4	776.5	777.2	777.2	785.6	772.8	792.9
10.5°	776.0	777.0	776.4	775.2	775.2	774.6	775.5	775.6	776.2	769.9	783.5
11°	773.5	773.9	774.0	772.9	773.2	771.7	773.5	772.5	771.7	767.6	779.3
11.5°	771.4	772.3	772.3	771.3	770.9	770.7	768.4	770.2	769.7	764.8	779.6
12°	769.5	770.0	770.1	768.1	768.7	767.6	768.3	768.2	767.4	762.6	778.0
12.5°	767.2	767.1	767.4	765.5	766.0	765.8	765.5	769.9	768.3	762.8	778.2
13°	764.3	764.8	764.7	764.1	763.1	763.9	764.1	763.4	763.8	751.3	772.0
13.5°	761.6	761.9	762.4	760.6	761.4	760.2	761.9	760.7	760.9	758.8	770.9
14°	758.8	759.8	759.1	757.5	758.3	756.5	757.7	759.6	758.7	747.5	767.9
14.5°	756.6	756.2	755.2	755.3	755.8	754.3	755.3	756.6	756.0	744.2	765.4
15°	753.9	754.4	754.8	752.8	752.6	751.4	754.1	753.2	752.6	748.5	762.6
15.5°	750.6	750.9	750.6	749.7	749.6	748.0	750.6	749.6	750.3	746.3	762.7
16°	748.2	749.9	747.5	746.6	746.8	746.8	746.2	746.8	748.0	741.1	756.1
16.5°	744.1	743.6	744.7	742.3	743.8	743.8	742.6	743.6	743.4	740.5	752.7
17°	741.4	742.3	741.1	741.2	740.8	739.3	742.7	740.2	741.8	737.3	751.3
17.5°	738.6	739.2	739.7	737.1	737.5	735.4	738.8	741.8	737.5	731.7	745.8
18°	734.7	735.5	735.7	734.4	734.0	732.9	734.8	734.4	735.7	729.8	742.8
18.5°	731.2	732.1	733.8	712.2	730.8	729.5	729.8	729.1	731.6	726.7	740.6
19°	727.8	710.4	728.3	731.0	726.4	725.7	726.9	727.1	727.4	722.5	737.1
19.5°	724.4	726.2	723.9	725.5	722.7	722.3	724.1	722.5	724.5	719.3	732.8
20°	721.1	721.2	720.3	715.6	720.0	718.5	720.6	720.0	720.7	716.9	729.1
20.5°	717.1	716.8	717.3	715.8	715.7	714.8	716.8	715.0	718.3	711.3	726.9
21°	712.8	718.4	713.4	711.9	713.0	711.2	711.9	713.2	709.8	710.9	720.8



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	701.1	700.5	702.4	699.9	700.5	699.3	700.1	700.6	702.1	697.5	711.0
23°	697.8	697.3	696.2	695.6	696.8	695.2	697.9	696.7	698.0	693.4	705.8
23.5°	685.5	694.6	693.4	695.0	692.2	690.7	691.3	693.2	692.8	687.3	702.3
24°	687.7	692.3	689.5	687.8	688.6	686.5	688.5	687.9	692.0	681.1	698.0
24.5°	683.7	684.4	682.9	683.7	683.6	682.5	684.1	683.8	685.5	679.4	693.7
25°	679.6	679.5	679.8	679.3	679.4	678.0	679.1	679.4	680.9	674.3	688.9
25.5°	674.3	674.8	676.0	674.1	675.3	673.6	674.2	674.6	673.4	671.5	684.6
26°	670.2	671.1	672.0	670.2	670.3	669.0	670.2	671.7	671.5	665.9	679.5
26.5°	665.1	665.0	666.3	664.5	665.5	664.0	665.9	665.5	669.1	662.4	675.0
27°	661.0	660.2	659.2	661.8	661.1	659.3	661.2	662.1	659.9	657.5	670.5
27.5°	655.8	657.1	658.5	656.2	656.1	654.5	656.1	656.8	657.5	652.5	666.0
28°	650.8	652.3	651.8	651.3	651.7	650.7	650.9	651.5	654.5	647.9	660.6
28.5°	646.2	645.5	648.1	646.9	646.8	644.3	646.3	646.4	645.5	641.1	655.9
29°	641.2	640.7	641.3	641.4	641.7	643.1	641.2	645.8	640.9	637.4	649.7
29.5°	635.4	637.4	637.2	634.1	636.2	635.5	636.0	636.3	636.9	633.6	656.0
30°	621.9	630.9	631.4	630.8	631.4	630.3	631.4	631.5	632.7	628.6	636.2
30.5°	620.0	624.4	627.0	626.6	626.6	624.7	626.0	626.0	627.7	625.7	635.1
31°	617.4	621.6	620.9	620.6	621.6	619.9	620.7	621.5	622.2	618.0	630.5
31.5°	614.1	616.7	615.7	616.5	616.1	614.4	615.3	616.6	616.4	611.5	625.9
32°	609.7	609.7	610.3	611.3	610.7	609.4	610.1	610.3	611.6	607.6	620.3
32.5°	602.5	603.7	605.3	607.2	605.2	604.3	604.4	605.5	606.6	602.2	616.1
33°	596.9	597.2	599.4	599.1	599.9	598.8	599.7	599.5	600.7	596.0	609.2
33.5°	592.6	593.1	594.2	594.5	594.8	593.5	592.9	594.3	594.1	591.9	603.6
34°	586.0	585.3	590.1	588.7	589.2	587.6	589.2	589.7	589.7	586.4	598.0
34.5°	579.2	581.0	583.3	582.4	583.7	582.7	582.9	584.8	584.1	579.7	592.3
35°	573.7	575.3	577.1	576.7	578.0	576.4	577.5	577.0	578.8	575.5	586.6
35.5°	567.1	570.5	575.6	571.2	572.4	571.2	572.0	572.7	572.9	569.8	581.6
36°	561.8	563.3	567.2	566.4	566.5	566.4	566.5	567.8	565.6	564.6	575.5
36.5°	556.2	553.1	559.5	560.1	560.5	560.2	560.6	560.5	562.3	558.5	569.0
37°	547.4	551.8	553.8	554.7	555.3	554.4	554.8	555.4	553.9	553.1	563.4
37.5°	542.6	545.4	547.7	548.2	549.4	548.6	549.0	551.3	550.3	546.7	558.2
38°	538.2	536.0	542.2	542.8	543.2	541.8	543.1	543.0	549.2	542.1	552.8
38.5°	533.8	535.7	536.4	537.5	537.7	536.5	536.8	538.2	537.2	535.0	546.0
39°	523.1	530.0	530.7	531.0	531.9	530.8	531.9	532.0	537.3	530.2	539.9
39.5°	519.6	522.2	523.7	525.0	525.8	525.3	525.7	526.9	527.2	522.8	536.8
40°	510.1	514.2	517.6	518.9	520.0	518.9	519.9	521.1	521.4	517.7	526.7
40.5°	507.1	510.7	512.0	512.3	514.1	512.8	513.6	513.7	514.2	511.3	522.2
41°	499.3	502.2	504.7	503.5	507.8	506.6	507.6	507.8	509.3	503.4	512.9
41.5°	494.1	495.1	498.5	500.1	501.7	501.7	501.7	501.8	502.7	501.0	507.3
42°	486.6	490.8	494.0	494.9	496.1	494.8	495.5	497.8	497.3	494.9	503.8
42.5°	480.1	484.2	487.2	488.0	489.0	489.4	489.5	488.6	490.4	487.5	498.4
43°	473.6	476.2	479.5	483.1	483.5	482.8	483.1	483.7	480.6	482.4	491.7
43.5°	467.5	472.5	473.5	475.0	477.1	476.3	477.3	478.6	478.3	475.1	487.5





TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	447.4	453.0	454.4	456.4	458.8	458.2	458.8	458.8	459.9	458.3	466.7
45.5°	441.4	446.4	449.4	452.5	452.6	451.3	452.8	453.0	454.7	450.7	461.6
46°	434.9	439.8	442.7	443.8	446.4	446.0	446.2	446.9	447.9	444.5	455.4
46.5°	427.7	432.8	436.6	438.3	439.9	439.9	441.1	440.8	441.7	437.9	446.2
47°	421.8	427.9	429.9	431.6	433.9	433.8	434.1	433.9	434.8	433.1	440.4
47.5°	416.0	419.9	423.9	430.5	427.6	427.5	428.1	428.5	429.1	427.3	436.0
48°	409.1	413.3	418.1	420.0	421.5	421.3	421.2	422.1	423.5	423.2	428.2
48.5°	402.6	407.6	411.7	412.8	415.2	415.2	416.7	416.4	417.2	413.2	422.2
49°	396.7	400.4	403.7	405.7	409.0	408.8	409.5	410.0	410.1	409.0	417.6
49.5°	390.2	393.9	399.2	403.7	402.8	403.2	403.3	403.6	404.4	403.3	410.5
50°	383.6	387.9	393.1	395.1	396.9	396.7	397.0	397.4	398.2	396.0	405.5
50.5°	377.2	381.6	386.5	387.4	390.5	390.9	390.8	391.6	391.6	391.7	397.0
51°	371.1	375.4	379.5	382.4	384.1	384.4	385.7	385.8	385.7	382.1	391.1
51.5°	364.1	368.8	373.6	375.6	378.1	377.8	380.4	379.0	379.5	377.1	384.7
52°	358.3	362.6	368.1	369.7	371.9	371.8	372.9	373.2	373.6	372.6	378.8
52.5°	352.5	356.4	362.2	365.4	365.9	366.3	366.2	366.8	367.0	364.6	372.1
53°	346.2	350.6	356.0	358.4	359.5	360.7	359.9	360.2	360.9	360.3	367.2
53.5°	340.2	344.1	349.6	351.2	353.2	354.4	353.8	354.3	354.3	353.1	360.4
54°	333.3	337.9	342.8	344.8	347.4	347.6	349.3	348.3	348.6	347.2	353.2
54.5°	328.2	331.7	335.9	339.6	341.0	341.1	342.0	341.9	342.7	340.9	349.4
55°	321.4	326.2	331.1	333.5	335.1	335.3	335.5	335.9	336.5	335.1	340.7
55.5°	315.7	319.7	323.9	328.4	329.0	329.1	328.6	329.4	331.1	328.6	336.1
56°	309.4	313.8	318.6	321.5	323.0	325.2	322.8	323.6	324.2	322.6	328.6
56.5°	303.7	308.0	312.4	315.2	316.9	317.2	318.2	317.4	318.4	317.2	322.6
57°	298.1	301.8	307.4	308.8	310.7	310.8	311.1	311.2	311.0	310.7	318.0
57.5°	291.8	295.8	299.8	302.7	304.8	303.9	304.3	305.1	305.9	306.2	311.4
58°	286.1	290.1	294.5	297.4	298.5	299.1	298.7	299.3	300.0	298.6	302.0
58.5°	280.1	283.8	288.6	291.6	292.6	293.8	292.8	294.1	293.5	292.6	298.4
59°	274.5	278.2	281.9	284.7	286.9	287.4	287.1	286.9	287.0	286.5	292.5
59.5°	269.0	270.0	277.5	278.5	280.9	280.5	280.4	281.0	281.1	280.4	287.3
60°	263.4	266.5	270.5	272.8	275.3	274.6	274.2	276.0	275.6	275.3	281.2
60.5°	257.6	261.0	266.2	266.7	268.9	269.9	269.0	268.9	269.3	269.2	275.0
61°	252.0	255.5	257.8	261.4	262.4	263.6	263.0	261.9	263.4	263.0	269.1
61.5°	246.5	249.9	254.2	255.3	256.9	256.7	256.7	257.0	257.9	257.6	261.7
62°	241.0	244.0	247.9	249.6	250.9	251.1	250.9	250.9	251.7	251.5	257.2
62.5°	235.7	238.6	241.9	243.6	245.8	245.5	244.9	245.2	246.6	245.5	250.3
63°	230.1	233.2	236.3	237.8	239.6	239.5	238.8	239.0	240.1	239.7	245.1
63.5°	224.9	227.7	230.8	231.4	233.7	233.2	233.2	232.9	234.2	233.9	239.0
64°	219.6	222.2	224.9	227.5	228.2	227.8	227.1	227.9	229.6	227.9	233.5
64.5°	214.3	216.8	219.8	222.9	222.4	222.1	221.3	222.7	222.6	222.6	228.3
65°	209.1	211.6	214.2	216.2	216.4	215.9	215.4	215.8	216.2	216.9	221.2
65.5°	204.1	206.3	208.8	210.3	210.7	210.2	210.5	210.0	211.3	211.0	215.6
66°	198.7	201.1	203.3	204.7	205.4	204.7	204.0	204.1	205.6	205.4	210.3



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	183.7	185.6	187.5	188.1	188.4	187.2	186.7	187.2	188.3	187.6	193.7
68°	179.0	180.6	182.1	183.6	183.0	181.9	181.2	181.3	182.7	183.1	188.1
68.5°	174.0	175.5	177.0	177.5	177.5	176.2	175.5	176.0	176.8	177.6	182.7
69°	169.2	170.5	171.9	172.3	172.0	170.7	169.8	170.2	171.2	171.6	177.5
69.5°	164.4	165.6	166.6	166.8	166.4	164.9	164.1	164.1	165.4	166.2	171.4
70°	159.6	160.9	161.5	161.7	161.5	159.8	158.6	158.9	159.7	160.5	166.2
70.5°	154.8	155.8	156.6	156.4	155.8	154.1	153.0	153.4	154.5	156.3	160.7
71°	150.1	151.2	151.6	151.5	150.5	148.9	147.8	147.7	149.4	150.2	155.2
71.5°	145.6	146.5	147.1	146.6	145.3	143.8	142.2	142.5	143.8	144.9	150.9
72°	141.2	141.7	142.1	141.6	140.0	138.0	136.9	136.9	138.4	139.6	145.0
72.5°	136.6	137.3	136.9	136.4	134.9	132.7	131.3	131.8	132.6	134.5	138.9
73°	132.2	132.4	132.7	131.5	129.8	127.5	126.0	126.6	127.5	129.5	134.4
73.5°	127.8	128.1	127.6	126.6	124.9	122.1	120.8	121.5	122.3	124.5	129.6
74°	123.3	123.5	123.2	121.7	119.6	116.7	115.4	116.4	117.2	119.5	124.7
74.5°	119.1	119.1	118.7	116.9	114.8	112.0	110.1	111.2	112.1	114.5	119.8
75°	115.1	114.8	113.9	112.3	109.9	106.8	104.9	106.0	107.3	109.5	114.9
75.5°	110.9	110.5	109.8	107.6	105.1	102.2	99.9	100.5	102.1	104.5	110.1
76°	106.6	106.2	106.1	103.1	100.2	96.9	94.9	95.3	97.0	99.9	105.1
76.5°	102.6	102.0	101.0	98.5	95.6	92.2	89.8	90.5	92.0	94.5	100.4
77°	98.6	97.9	96.6	94.1	90.9	87.5	84.9	85.5	87.4	89.7	95.6
77.5°	94.6	93.8	92.2	89.5	86.3	82.2	80.1	80.5	82.0	84.9	91.0
78°	90.7	89.8	88.2	85.1	81.8	78.0	75.4	75.6	77.5	80.3	86.7
78.5°	87.0	85.9	83.9	81.0	77.5	73.5	70.7	70.9	72.6	75.7	81.9
79°	83.2	82.0	79.8	76.9	73.1	69.0	66.1	66.2	68.0	71.2	77.8
79.5°	79.4	78.2	75.9	72.8	68.8	64.5	61.5	61.6	63.3	66.7	73.0
80°	76.0	74.5	72.0	68.6	64.6	60.3	57.1	56.9	58.9	62.3	68.1
80.5°	72.5	70.9	68.4	64.7	60.6	56.2	52.6	52.6	54.7	58.2	64.9
81°	69.1	67.3	64.7	61.0	56.6	52.8	48.8	48.5	50.5	54.1	60.4
81.5°	65.8	64.0	61.0	57.3	52.4	49.0	45.0	44.2	46.1	50.2	56.9
82°	62.6	60.6	57.8	53.5	49.1	45.1	41.2	40.1	42.2	46.2	52.5
82.5°	59.4	57.4	54.4	50.4	45.7	41.2	37.4	36.2	38.4	42.4	48.7
83°	56.4	54.3	51.5	47.2	42.3	37.4	33.7	32.5	34.6	38.6	45.0
83.5°	53.3	51.6	48.5	44.1	38.9	34.0	30.2	28.9	31.0	35.1	41.6
84°	50.8	48.8	45.6	40.9	35.7	30.6	26.8	25.6	27.7	31.8	38.2
84.5°	48.3	46.1	42.7	37.8	32.6	27.3	23.6	22.3	24.3	28.7	35.0
85°	45.8	43.4	39.8	34.9	29.6	24.2	20.4	19.2	21.2	25.5	31.8
85.5°	43.2	40.7	37.1	32.2	26.8	21.4	17.5	16.6	18.3	22.8	28.8
86°	40.7	38.1	34.5	29.5	24.1	18.6	14.6	13.9	15.9	19.8	26.1
86.5°	38.3	35.7	31.9	27.1	21.6	16.1	12.1	11.3	13.5	17.3	23.3
87°	36.0	33.4	29.5	24.7	19.3	13.9	9.7	8.7	11.1	15.2	20.8
87.5°	33.8	31.1	27.4	22.5	17.1	11.8	7.6	6.1	8.7	13.1	18.3
88°	31.6	29.0	25.2	20.4	15.1	9.9	5.6	4.2	6.3	11.0	16.4
88.5°	29.5	26.9	23.1	18.5	13.3	8.2	4.5	2.6	4.5	9.0	14.4



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	23.9	21.4	17.8	13.4	8.8	4.7	1.4	0.2	1.4	4.3	8.5
90.5°	22.3	19.7	16.2	12.0	7.5	3.9	0.9	0.2	0.9	3.3	7.1
91°	20.7	18.2	14.7	10.7	6.5	3.0	0.6	0.2	0.7	2.5	5.9
91.5°	19.1	16.6	13.3	9.5	5.5	2.2	0.5	0.2	0.5	2.0	4.9
92°	17.6	15.3	12.1	8.3	4.8	1.8	0.4	0.2	0.4	1.6	4.0
92.5°	16.3	14.0	10.9	7.3	4.2	1.4	0.3	0.1	0.4	1.4	3.4
93°	15.0	12.7	9.8	6.4	3.5	1.2	0.3	0.1	0.4	1.2	2.9
93.5°	13.8	11.6	8.8	5.6	2.8	1.0	0.2	0.1	0.4	1.2	2.5
94°	12.6	10.6	7.9	5.1	2.4	0.9	0.2	0.1	0.4	1.1	2.3
94.5°	11.6	9.7	7.0	4.5	2.1	0.8	0.2	0.2	0.3	1.1	2.1
95°	10.6	8.7	6.3	4.0	1.9	0.7	0.2	0.2	0.3	1.0	2.0
95.5°	9.7	7.9	5.6	3.4	1.7	0.6	0.2	0.2	0.3	1.0	1.9
96°	8.8	7.2	5.1	3.0	1.5	0.5	0.2	0.2	0.3	1.0	1.9
96.5°	8.1	6.5	4.7	2.7	1.4	0.5	0.2	0.2	0.3	1.0	1.8
97°	7.4	5.9	4.2	2.5	1.3	0.4	0.2	0.3	0.3	0.9	1.8
97.5°	6.8	5.4	3.7	2.3	1.2	0.4	0.3	0.3	0.3	0.9	1.8
98°	6.2	5.0	3.4	2.1	1.1	0.4	0.3	0.3	0.3	0.9	1.7
98.5°	5.7	4.5	3.1	2.0	1.0	0.4	0.3	0.3	0.3	0.9	1.7
99°	5.3	4.1	2.9	1.8	0.9	0.4	0.3	0.4	0.3	0.9	1.7
99.5°	4.9	3.8	2.7	1.7	0.8	0.4	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	1.6
100.5°	4.1	3.3	2.5	1.5	0.7	0.5	0.4	0.4	0.4	0.9	1.6
101°	3.8	3.2	2.3	1.4	0.7	0.5	0.5	0.5	0.4	0.9	1.6
101.5°	3.6	3.0	2.2	1.3	0.7	0.5	0.5	0.5	0.4	0.9	1.6
102°	3.5	2.9	2.1	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
102.5°	3.3	2.7	2.0	1.2	0.7	0.6	0.6	0.6	0.5	0.9	1.6
103°	3.2	2.6	1.9	1.1	0.7	0.6	0.6	0.7	0.6	0.9	1.6
103.5°	3.0	2.5	1.8	1.1	0.7	0.6	0.7	0.7	0.6	0.9	1.6
104°	2.9	2.3	1.7	1.0	0.8	0.7	0.7	0.8	0.7	0.8	1.6
104.5°	2.7	2.2	1.6	1.0	0.8	0.7	0.7	0.9	0.7	0.8	1.6
105°	2.6	2.1	1.5	1.0	0.8	0.7	0.8	0.9	0.8	0.8	1.6
105.5°	2.5	2.0	1.4	1.0	0.8	0.8	0.8	0.9	0.8	0.9	1.6
106°	2.4	1.9	1.4	1.0	0.9	0.8	1.0	1.0	0.9	0.9	1.6
106.5°	2.2	1.8	1.3	1.0	0.9	0.8	1.1	1.0	1.1	0.9	1.6
107°	2.1	1.7	1.3	1.0	0.9	0.8	1.2	1.1	1.2	0.9	1.6
107.5°	2.0	1.7	1.2	1.0	1.0	0.9	1.3	1.1	1.2	0.9	1.6
108°	1.9	1.6	1.2	1.0	1.0	0.9	1.3	1.2	1.2	0.9	1.6
108.5°	1.8	1.5	1.2	1.0	0.9	0.9	1.3	1.2	1.2	0.9	1.5
109°	1.8	1.5	1.2	1.0	0.9	0.9	1.2	1.2	1.2	1.0	1.5
109.5°	1.7	1.4	1.2	1.1	0.9	1.0	1.2	1.2	1.2	1.0	1.4
110°	1.6	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
110.5°	1.5	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.0	1.4
111°	1.5	1.3	1.2	1.1	1.0	1.0	1.3	1.3	1.2	1.1	1.4



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3	799.3
0.5°	800.4	799.0	799.2	803.2	800.5	799.6	798.5	799.1	800.6	800.2	799.1
1°	802.5	798.5	799.2	800.3	800.9	800.7	798.1	798.3	799.7	798.4	799.0
1.5°	798.9	798.9	798.5	799.9	800.2	798.6	798.7	799.6	799.7	800.4	798.8
2°	797.8	798.2	798.5	800.0	800.3	802.4	798.1	797.4	800.2	800.3	800.6
2.5°	797.8	797.8	797.7	801.9	799.5	799.5	798.3	798.4	799.9	801.8	798.9
3°	797.0	797.4	797.4	798.7	798.7	799.0	796.7	798.0	799.8	800.5	798.4
3.5°	796.1	796.8	796.7	797.2	798.1	797.6	797.8	797.2	798.6	799.2	797.2
4°	795.6	795.5	796.4	798.5	797.2	797.4	796.8	796.8	798.2	797.6	797.8
4.5°	794.2	794.6	795.2	798.9	798.0	797.7	796.6	796.3	797.6	797.8	796.9
5°	793.0	794.3	794.6	795.9	796.8	794.6	795.5	795.4	797.2	797.3	795.9
5.5°	792.2	792.8	793.1	799.2	795.1	796.9	793.6	794.8	796.0	797.0	795.6
6°	791.1	791.6	792.0	794.4	793.9	793.1	794.3	794.0	795.4	795.8	795.6
6.5°	790.2	790.3	791.1	792.0	792.8	791.7	792.9	792.9	794.0	795.1	794.0
7°	788.6	789.0	790.2	791.6	791.3	792.0	791.1	791.1	793.7	794.4	793.1
7.5°	787.0	788.0	788.3	789.5	790.5	792.6	790.7	790.5	791.9	792.4	791.5
8°	785.9	786.5	786.9	789.2	788.9	789.0	787.3	789.0	791.1	791.7	790.7
8.5°	784.6	784.4	785.5	787.0	787.8	784.7	786.7	787.4	789.6	790.0	789.0
9°	782.3	782.7	783.6	784.9	784.5	786.6	784.1	786.3	788.4	788.6	787.7
9.5°	780.4	781.2	781.6	784.2	783.6	785.7	783.3	784.5	786.7	788.3	786.6
10°	779.1	779.6	779.5	782.5	782.2	782.1	782.3	783.3	784.7	789.2	785.3
10.5°	776.8	776.8	778.3	780.4	780.3	780.2	780.6	780.9	783.3	785.7	783.3
11°	774.6	775.2	776.3	779.6	780.4	778.2	779.9	779.1	781.3	797.8	781.1
11.5°	772.2	773.1	773.9	778.4	776.5	775.9	777.8	777.2	779.6	779.6	778.3
12°	769.7	770.9	771.7	773.5	774.5	773.8	775.1	775.5	777.7	777.8	777.3
12.5°	768.1	768.7	770.0	770.3	771.8	770.9	772.6	773.8	774.9	775.9	775.2
13°	765.4	766.5	767.6	769.4	769.0	772.8	771.4	771.0	773.0	773.8	774.8
13.5°	763.2	763.6	764.4	773.8	768.9	764.7	766.8	769.8	770.7	771.8	771.0
14°	759.9	761.2	761.9	764.1	765.1	762.8	765.7	766.4	768.1	769.2	768.8
14.5°	757.5	758.6	758.9	761.6	762.9	764.4	762.2	763.2	766.0	766.4	766.4
15°	755.2	756.2	756.6	758.9	763.6	764.3	760.0	761.5	763.5	764.6	763.8
15.5°	752.6	752.7	753.7	754.3	755.6	757.4	757.0	758.9	760.9	761.5	761.7
16°	748.8	749.7	751.0	755.8	752.8	756.2	754.5	755.7	757.8	759.3	758.1
16.5°	746.5	746.9	747.6	749.9	750.0	753.7	751.5	753.4	754.8	756.1	755.1
17°	743.5	744.1	744.9	747.8	747.7	748.9	748.8	749.9	751.6	753.4	752.6
17.5°	740.0	740.7	741.4	745.5	744.3	743.9	745.5	746.0	749.1	749.8	750.5
18°	736.5	737.3	738.7	739.1	740.8	742.7	742.8	743.4	745.7	747.2	747.8
18.5°	733.3	734.4	735.1	737.7	739.0	738.8	738.9	740.2	742.5	744.4	744.0
19°	729.6	730.8	731.7	736.1	734.7	733.2	735.0	738.1	738.9	740.5	740.7
19.5°	727.1	726.9	728.2	729.2	730.4	731.7	732.7	729.4	735.8	737.1	738.1
20°	722.6	723.5	724.5	726.9	726.3	728.1	728.3	728.5	732.3	734.2	734.4
20.5°	718.9	720.1	720.6	723.1	723.9	723.8	724.7	726.7	728.7	730.7	730.6
21°	714.7	715.8	717.0	719.5	717.4	718.6	720.4	724.1	723.9	726.7	727.0





TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	703.4	704.0	705.1	704.9	707.4	708.2	709.0	709.9	714.5	715.1	716.2
23°	699.5	700.1	701.1	700.3	702.5	704.3	705.0	705.8	709.6	711.5	711.4
23.5°	695.2	695.9	696.5	699.1	698.1	700.4	700.7	702.5	705.6	707.7	708.2
24°	690.8	691.8	692.5	695.2	695.9	695.8	697.0	698.7	701.5	703.6	704.0
24.5°	686.3	687.3	687.8	693.2	689.9	687.6	692.4	694.7	697.4	699.0	700.2
25°	681.9	682.6	683.4	685.2	684.4	688.2	687.9	690.2	692.6	695.1	695.5
25.5°	677.4	678.5	678.9	679.9	682.1	682.6	682.9	685.1	688.6	691.0	692.1
26°	673.3	673.9	674.7	675.4	677.0	677.0	679.1	680.9	683.0	686.4	686.5
26.5°	668.8	669.3	669.4	671.1	671.7	672.7	675.2	675.2	679.5	681.6	683.1
27°	663.8	664.4	665.2	667.2	666.8	667.2	668.9	671.3	669.2	677.3	677.7
27.5°	659.4	659.2	659.8	662.2	662.2	662.6	665.8	666.6	670.3	672.3	674.2
28°	653.9	654.4	655.1	655.7	655.7	657.5	658.5	662.8	665.0	667.6	669.1
28.5°	649.5	649.6	650.5	650.2	651.7	655.3	652.8	655.9	660.0	663.8	663.8
29°	644.1	644.9	645.5	649.6	646.2	647.8	647.3	653.9	656.1	658.8	659.5
29.5°	639.2	639.6	640.2	640.8	642.3	642.2	644.6	646.9	650.3	653.6	653.9
30°	634.3	634.4	634.8	636.9	636.0	636.9	638.7	637.8	645.1	648.5	649.6
30.5°	628.9	629.3	629.5	631.0	630.8	630.4	633.4	636.3	640.2	643.1	644.5
31°	623.6	624.1	624.5	624.9	625.5	626.0	626.3	632.4	634.8	638.3	642.2
31.5°	618.8	619.0	618.8	619.9	618.9	622.2	621.8	623.5	629.2	632.5	634.4
32°	613.3	613.7	613.7	615.4	615.0	614.4	616.3	621.4	624.4	627.9	629.3
32.5°	608.3	608.0	608.0	608.8	608.5	609.6	611.3	614.0	618.7	622.7	624.4
33°	602.5	602.8	602.6	602.2	602.7	601.1	605.2	609.6	613.2	617.1	618.7
33.5°	597.2	596.9	596.4	596.9	597.7	593.9	599.3	602.1	607.6	611.6	613.3
34°	591.5	591.1	590.9	591.7	591.4	597.5	593.0	597.8	602.2	605.6	607.4
34.5°	586.4	586.1	585.5	586.1	584.8	584.7	588.0	592.1	596.4	600.2	601.9
35°	580.5	580.0	579.6	580.4	579.3	575.9	582.6	584.3	590.5	594.6	597.3
35.5°	574.8	574.3	573.6	574.4	573.5	575.5	576.6	579.8	585.0	589.0	591.3
36°	569.0	568.5	567.8	569.6	567.8	569.6	569.8	572.6	579.0	583.4	586.2
36.5°	564.1	563.2	562.2	562.3	561.0	560.4	565.4	567.7	573.2	578.0	580.1
37°	557.5	557.3	556.0	554.9	554.2	555.5	557.0	562.1	567.0	572.0	574.4
37.5°	551.5	551.0	549.7	549.8	549.8	549.3	551.9	555.7	560.8	566.0	569.4
38°	545.6	545.0	544.0	544.1	542.3	541.9	545.2	550.1	555.1	559.8	561.8
38.5°	539.9	539.0	537.9	537.8	536.5	536.6	539.1	543.7	549.1	553.9	556.5
39°	534.1	532.9	531.8	533.2	529.7	529.4	532.4	537.5	543.0	548.0	551.1
39.5°	528.2	527.3	525.5	524.5	523.9	526.8	525.8	531.4	536.8	541.8	545.0
40°	521.9	520.7	519.2	518.2	517.7	518.1	519.4	525.0	530.5	536.1	538.3
40.5°	515.9	515.0	513.1	512.5	510.6	512.1	513.1	518.1	524.0	529.4	532.8
41°	509.9	508.6	506.6	505.6	508.7	505.5	507.3	511.4	518.0	523.8	527.2
41.5°	504.2	502.4	500.7	504.6	498.6	498.2	501.3	504.9	512.1	517.3	521.1
42°	497.8	496.6	494.5	493.0	490.9	492.4	494.4	498.7	505.8	511.0	514.5
42.5°	491.5	490.0	488.1	486.1	484.8	486.6	487.8	492.4	499.5	504.7	508.4
43°	485.4	483.9	481.8	479.4	479.4	478.7	481.7	486.2	492.6	498.6	503.0
43.5°	479.5	477.8	475.4	474.1	472.2	471.9	475.1	479.0	486.2	492.1	496.2



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	460.8	458.8	456.1	455.8	453.6	453.0	455.6	461.8	467.7	473.3	477.3
45.5°	454.5	452.5	450.1	448.3	446.3	446.6	448.6	453.0	461.1	467.2	471.8
46°	448.5	446.3	443.7	441.4	440.3	440.2	441.7	449.8	454.6	461.0	464.7
46.5°	442.0	439.7	437.5	436.5	434.0	433.7	436.2	442.2	448.1	454.6	458.5
47°	435.8	433.7	430.7	428.7	425.5	427.3	429.5	436.5	441.7	448.1	452.1
47.5°	429.8	427.4	424.7	421.5	421.1	420.8	423.0	429.3	435.3	441.7	446.0
48°	423.3	421.3	418.2	416.5	414.4	414.4	417.0	421.2	428.9	435.2	439.8
48.5°	417.1	414.9	412.0	409.2	407.3	407.8	410.4	414.4	422.5	429.1	434.8
49°	410.7	408.8	405.5	403.8	398.9	401.7	403.6	409.4	416.1	422.4	426.7
49.5°	404.6	402.3	399.2	397.0	395.3	395.1	397.1	401.1	409.8	416.4	421.5
50°	398.2	396.0	393.0	390.6	388.4	388.9	391.1	396.1	403.4	409.8	412.7
50.5°	392.1	389.7	386.8	384.3	381.7	382.4	384.5	390.6	397.0	403.3	407.5
51°	386.1	383.3	380.5	378.2	376.2	376.2	378.3	382.1	390.7	397.1	401.6
51.5°	380.1	377.2	374.1	371.6	369.5	369.7	372.3	377.2	384.1	390.6	395.6
52°	373.3	371.1	368.0	365.8	363.4	363.7	365.9	369.4	378.1	384.7	389.3
52.5°	367.2	364.7	361.6	359.3	357.1	357.4	359.7	363.6	371.4	378.1	382.8
53°	360.4	358.6	355.6	353.4	350.9	351.4	353.4	358.9	365.6	371.9	376.2
53.5°	343.4	352.3	349.6	346.2	344.4	345.0	347.2	351.9	358.8	365.5	370.2
54°	348.7	346.4	343.3	339.2	338.6	339.2	341.3	346.7	352.9	359.3	364.0
54.5°	342.2	340.2	337.2	335.9	333.0	333.1	335.3	341.0	346.7	353.0	357.4
55°	336.1	334.2	331.0	329.0	326.1	327.2	329.1	333.2	340.4	346.9	351.6
55.5°	330.8	328.2	325.1	322.8	319.8	321.0	323.1	328.5	334.4	340.7	345.6
56°	323.6	322.2	319.0	316.3	314.6	314.9	317.3	322.1	328.2	334.8	338.9
56.5°	318.4	316.0	313.2	310.6	309.1	309.2	311.4	316.2	322.3	328.4	332.9
57°	312.1	310.1	307.1	305.8	304.4	303.0	305.3	310.3	316.2	322.6	326.6
57.5°	307.4	303.9	301.2	298.9	297.5	297.4	299.8	304.3	310.2	316.3	320.5
58°	300.6	298.1	295.4	293.0	292.5	291.4	293.9	298.2	304.4	310.1	314.5
58.5°	294.6	292.4	289.7	287.5	287.5	286.0	288.1	292.3	298.2	304.2	308.5
59°	288.6	286.4	283.8	281.0	276.2	280.0	282.4	286.8	292.5	298.3	302.4
59.5°	282.6	280.5	278.2	276.0	273.8	274.5	277.1	281.0	286.7	292.3	296.3
60°	276.6	274.5	272.3	270.6	268.8	268.8	271.0	275.0	280.9	286.2	289.9
60.5°	272.6	269.1	266.9	264.6	263.0	263.3	265.7	269.8	275.3	280.3	284.3
61°	264.7	263.3	261.1	258.9	257.7	257.9	260.0	264.1	269.4	274.9	278.1
61.5°	261.0	257.7	255.6	254.0	252.0	252.5	254.3	258.7	263.6	268.8	272.5
62°	253.4	251.7	249.6	247.8	246.6	247.1	249.2	252.8	257.8	263.1	266.5
62.5°	247.6	246.2	244.2	242.8	242.1	241.6	243.6	247.3	252.2	257.1	260.3
63°	242.3	240.5	238.9	237.0	235.7	236.5	238.3	241.6	246.8	251.5	254.4
63.5°	236.3	235.1	233.5	231.5	230.8	230.9	232.9	236.3	241.2	246.0	249.0
64°	230.9	229.6	228.0	226.4	225.5	225.9	227.7	231.0	235.5	240.1	243.0
64.5°	224.9	224.1	222.7	221.0	220.7	220.7	222.6	225.7	230.1	234.5	237.3
65°	219.5	218.6	217.3	216.3	215.5	215.7	217.3	220.7	225.0	229.1	231.7
65.5°	214.2	213.2	212.0	211.2	210.1	210.3	211.9	215.3	219.6	223.3	225.8
66°	208.6	207.8	206.6	205.5	204.8	205.5	206.8	210.2	214.1	217.7	220.3



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	192.4	191.8	191.2	190.6	190.5	190.7	192.0	194.8	198.5	201.6	202.9
68°	187.4	186.7	186.2	186.2	185.3	185.7	187.1	189.7	193.3	196.3	198.1
68.5°	181.4	181.6	181.4	180.7	180.4	180.9	182.2	185.0	188.2	190.9	192.3
69°	176.3	176.4	176.0	175.8	175.5	176.1	177.4	180.0	183.1	185.6	186.6
69.5°	170.8	171.3	171.2	171.0	171.0	171.4	172.8	175.1	178.2	180.6	181.3
70°	166.4	166.3	166.4	166.1	166.0	166.6	168.0	170.3	173.0	175.3	176.2
70.5°	160.2	161.4	161.6	161.4	161.1	162.0	163.7	165.7	168.1	170.2	170.6
71°	155.0	156.4	156.7	157.0	157.1	157.6	158.9	160.7	163.1	165.1	165.8
71.5°	150.5	151.4	151.9	152.1	152.6	153.0	154.4	156.1	158.6	160.0	160.2
72°	145.5	146.5	147.1	147.5	147.8	148.5	149.7	151.5	153.5	155.0	155.4
72.5°	140.3	141.7	142.6	143.3	143.5	144.0	145.1	146.8	148.9	150.1	150.1
73°	135.2	137.0	138.0	138.8	138.7	139.6	140.9	142.2	144.1	145.2	145.2
73.5°	130.8	132.3	133.5	134.2	134.9	135.3	136.3	137.9	139.5	140.4	139.7
74°	126.2	128.0	129.2	129.8	130.9	131.1	131.9	133.4	134.9	135.6	135.1
74.5°	121.6	123.7	124.9	125.7	126.8	127.1	127.9	129.0	130.3	130.8	130.3
75°	117.0	119.4	120.7	121.6	122.6	123.1	123.8	125.0	126.0	126.4	125.6
75.5°	112.4	115.1	116.4	117.5	118.5	119.0	119.8	120.9	121.7	121.9	120.9
76°	103.4	110.9	112.1	113.4	114.4	115.0	115.7	116.9	117.5	117.4	116.1
76.5°	103.5	105.8	107.7	109.1	110.2	111.0	111.7	112.8	113.2	112.9	111.4
77°	98.0	101.6	103.6	105.4	106.1	107.1	107.8	108.5	108.9	108.6	106.6
77.5°	94.1	96.8	99.4	101.5	102.3	103.1	103.9	104.4	104.6	104.0	101.9
78°	89.8	92.2	95.3	97.3	98.4	99.2	99.8	100.1	100.4	99.4	97.2
78.5°	85.3	88.6	91.3	93.4	94.6	95.4	96.0	96.3	96.4	95.2	92.9
79°	80.9	85.4	87.4	89.4	90.7	91.6	92.2	92.5	92.0	90.9	88.3
79.5°	76.7	80.4	83.6	85.7	87.0	87.9	88.5	88.7	88.2	86.7	83.7
80°	72.5	76.9	79.8	82.0	84.1	84.3	84.9	84.9	84.3	82.7	79.7
80.5°	69.1	72.7	76.1	78.5	80.0	80.9	81.2	81.3	80.4	78.7	75.3
81°	64.6	68.7	72.5	75.1	76.5	77.4	77.8	77.6	76.7	74.6	71.5
81.5°	60.8	65.3	68.9	71.4	72.9	74.0	74.3	74.0	73.0	70.8	67.1
82°	57.3	62.7	65.4	68.1	69.9	70.6	71.0	70.5	69.4	67.0	63.3
82.5°	53.7	58.1	62.0	64.9	66.3	67.3	67.5	67.2	65.8	63.5	59.4
83°	50.1	54.8	58.6	61.5	63.1	64.1	64.3	63.8	62.5	59.7	55.7
83.5°	46.8	51.6	55.5	58.3	60.1	60.9	61.2	60.5	59.0	56.2	52.1
84°	44.0	48.3	52.3	55.2	57.2	57.9	58.2	57.4	55.8	52.9	48.6
84.5°	40.4	45.4	49.2	52.1	53.6	54.9	54.9	54.2	52.5	49.6	45.1
85°	37.3	42.2	46.2	49.2	50.9	51.9	52.0	51.2	49.4	46.3	41.8
85.5°	34.4	39.2	43.3	46.2	48.1	49.1	49.1	48.2	46.4	43.2	38.7
86°	31.4	36.5	40.5	43.6	45.3	46.3	46.3	45.4	43.4	40.1	35.6
86.5°	28.7	33.6	37.7	40.7	42.7	43.6	43.5	42.8	40.5	37.3	32.9
87°	26.1	31.1	35.1	38.3	40.1	41.0	40.9	39.9	37.8	34.4	29.9
87.5°	23.7	28.6	32.6	35.6	37.6	38.5	38.3	37.3	35.2	31.8	27.1
88°	21.2	26.1	30.2	33.2	35.1	35.9	35.8	34.8	32.6	29.1	24.5
88.5°	19.0	23.8	27.8	30.8	32.7	33.5	33.5	32.3	30.1	26.7	22.1



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	13.6	17.6	21.4	24.4	26.1	26.9	26.7	25.5	23.3	19.9	15.9
90.5°	11.9	15.8	19.5	22.2	24.1	24.9	24.7	23.6	21.2	17.9	14.3
91°	10.3	14.4	17.6	20.4	22.2	22.9	22.8	21.6	19.3	16.1	12.6
91.5°	8.6	12.9	15.9	18.6	20.4	21.1	20.9	19.7	17.5	14.6	11.0
92°	7.4	11.5	14.6	17.0	18.6	19.3	19.1	17.9	15.8	13.1	9.3
92.5°	6.4	10.0	13.2	15.4	16.9	17.7	17.5	16.3	14.4	11.7	7.7
93°	5.5	8.5	11.8	14.1	15.5	16.1	15.9	14.8	13.1	10.2	6.7
93.5°	4.7	7.5	10.5	12.9	14.3	14.7	14.5	13.6	11.8	8.7	5.8
94°	4.2	6.6	9.1	11.7	13.1	13.6	13.4	12.4	10.4	7.7	5.0
94.5°	3.7	5.9	8.2	10.4	11.8	12.4	12.2	11.2	9.1	6.8	4.4
95°	3.4	5.2	7.3	9.2	10.6	11.3	11.1	10.0	8.2	6.0	3.9
95.5°	3.1	4.7	6.6	8.3	9.4	10.1	10.0	8.8	7.3	5.4	3.6
96°	3.0	4.3	6.0	7.5	8.6	9.0	8.8	8.0	6.6	4.9	3.3
96.5°	2.8	4.0	5.5	6.9	7.9	8.2	8.1	7.3	6.0	4.5	3.1
97°	2.7	3.8	5.1	6.3	7.2	7.5	7.4	6.7	5.5	4.2	3.0
97.5°	2.7	3.7	4.8	5.8	6.6	6.9	6.8	6.2	5.1	4.0	2.9
98°	2.6	3.6	4.6	5.5	6.2	6.4	6.3	5.8	4.9	3.8	2.8
98.5°	2.5	3.5	4.4	5.2	5.8	6.1	5.9	5.4	4.7	3.7	2.7
99°	2.5	3.4	4.3	5.0	5.6	5.8	5.6	5.2	4.5	3.6	2.7
99.5°	2.5	3.4	4.2	4.9	5.4	5.5	5.4	5.0	4.4	3.6	2.6
100°	2.4	3.3	4.1	4.8	5.2	5.4	5.3	4.9	4.3	3.5	2.6
100.5°	2.4	3.2	4.0	4.7	5.1	5.3	5.2	4.8	4.2	3.4	2.5
101°	2.4	3.2	3.9	4.6	5.0	5.2	5.1	4.7	4.1	3.3	2.5
101.5°	2.4	3.1	3.9	4.5	4.9	5.0	5.0	4.6	4.0	3.3	2.5
102°	2.4	3.1	3.8	4.4	4.8	4.9	4.9	4.5	3.9	3.2	2.5
102.5°	2.3	3.0	3.7	4.3	4.7	4.8	4.8	4.4	3.9	3.2	2.4
103°	2.3	3.0	3.7	4.3	4.6	4.8	4.7	4.3	3.8	3.1	2.4
103.5°	2.3	3.0	3.6	4.2	4.5	4.7	4.6	4.3	3.7	3.1	2.3
104°	2.3	3.0	3.6	4.1	4.5	4.6	4.5	4.2	3.7	3.1	2.3
104.5°	2.2	2.9	3.5	4.1	4.4	4.5	4.4	4.1	3.6	3.0	2.3
105°	2.2	2.9	3.5	4.0	4.3	4.4	4.4	4.1	3.6	3.0	2.2
105.5°	2.2	2.8	3.5	4.0	4.3	4.4	4.3	4.0	3.6	3.0	2.2
106°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	4.0	3.5	2.9	2.2
106.5°	2.2	2.8	3.4	3.9	4.2	4.3	4.2	3.9	3.5	2.9	2.2
107°	2.2	2.8	3.4	3.8	4.1	4.2	4.1	3.9	3.5	2.8	2.2
107.5°	2.2	2.7	3.3	3.8	4.1	4.2	4.1	3.9	3.4	2.8	2.2
108°	2.2	2.7	3.3	3.8	4.1	4.1	4.1	3.8	3.3	2.8	2.2
108.5°	2.2	2.7	3.2	3.7	4.0	4.1	4.0	3.8	3.3	2.8	2.1
109°	2.2	2.7	3.2	3.7	4.0	4.1	4.0	3.7	3.3	2.7	2.1
109.5°	2.2	2.7	3.2	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.1
110°	2.2	2.7	3.1	3.6	3.9	4.0	3.9	3.6	3.2	2.7	2.0
110.5°	2.1	2.7	3.1	3.5	3.8	3.9	3.8	3.6	3.2	2.7	2.0
111°	2.1	2.7	3.1	3.5	3.8	3.8	3.8	3.5	3.1	2.7	2.0



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	799.3	799.3	799.3	799.3
0.5°	799.9	798.4	796.0	799.4
1°	799.3	798.8	801.1	799.9
1.5°	799.9	798.3	799.1	798.9
2°	799.3	798.3	798.9	799.1
2.5°	799.6	797.8	799.8	798.6
3°	798.8	797.9	798.4	799.5
3.5°	799.0	797.3	798.4	798.9
4°	798.1	796.5	799.4	798.2
4.5°	797.3	797.2	796.8	796.9
5°	797.4	796.0	797.4	796.9
5.5°	796.5	795.2	795.3	795.9
6°	796.3	795.6	796.7	795.1
6.5°	794.3	793.0	794.5	793.3
7°	793.1	792.4	793.7	793.4
7.5°	791.8	792.0	793.2	791.8
8°	790.7	789.4	790.9	790.3
8.5°	789.7	788.8	789.4	789.1
9°	788.6	787.4	787.9	788.2
9.5°	786.7	786.8	787.8	785.5
10°	785.2	784.4	787.4	786.1
10.5°	783.8	782.6	778.0	783.7
11°	781.7	781.4	781.3	781.3
11.5°	780.2	778.4	783.0	780.7
12°	778.2	777.0	783.2	777.4
12.5°	775.9	775.3	772.7	775.2
13°	774.4	773.3	773.5	772.6
13.5°	771.7	771.3	773.8	771.7
14°	769.6	767.9	769.3	767.9
14.5°	767.2	766.3	769.1	765.3
15°	764.2	764.2	767.0	766.4
15.5°	762.0	760.7	758.5	760.6
16°	759.7	757.9	757.6	759.1
16.5°	757.3	755.5	760.5	754.1
17°	753.9	751.7	752.9	754.1
17.5°	750.5	749.6	752.7	750.2
18°	748.2	747.3	749.3	747.7
18.5°	745.3	742.9	744.5	744.3
19°	741.5	741.5	741.6	740.8
19.5°	738.3	736.7	738.3	737.3
20°	735.2	733.2	736.0	734.8
20.5°	732.2	730.9	731.2	730.7
21°	728.3	728.1	729.2	727.6



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	717.3	715.8	721.1	716.7
23°	713.4	712.6	713.6	713.1
23.5°	709.6	709.5	712.1	712.0
24°	704.8	703.7	704.7	705.9
24.5°	701.1	700.5	701.2	710.7
25°	696.8	695.5	696.5	697.9
25.5°	692.7	692.1	693.2	691.8
26°	688.4	686.2	689.0	687.2
26.5°	684.7	684.4	684.1	683.6
27°	680.1	679.4	680.5	678.3
27.5°	675.4	674.2	675.8	673.6
28°	670.8	670.0	670.8	671.5
28.5°	665.8	665.1	666.6	670.9
29°	661.3	660.1	661.9	657.2
29.5°	656.3	656.3	657.0	656.7
30°	651.2	650.5	651.6	650.0
30.5°	646.5	646.4	646.7	646.2
31°	641.6	641.5	642.1	639.3
31.5°	636.3	635.1	637.1	636.2
32°	631.2	631.5	631.9	628.2
32.5°	626.0	626.6	626.9	627.0
33°	621.0	619.1	621.4	619.7
33.5°	615.8	615.9	616.4	613.6
34°	609.9	610.8	611.0	608.0
34.5°	604.6	604.9	605.6	605.6
35°	599.1	599.4	600.1	599.1
35.5°	593.9	593.8	593.9	592.9
36°	588.1	588.4	591.2	588.0
36.5°	582.5	582.0	582.4	582.2
37°	576.6	576.7	577.9	576.8
37.5°	570.8	570.6	571.4	569.3
38°	565.1	565.1	566.5	561.6
38.5°	559.8	559.8	558.7	556.5
39°	553.7	554.4	554.5	550.8
39.5°	547.8	547.4	547.9	548.4
40°	541.4	541.9	543.7	543.6
40.5°	535.7	536.4	537.5	536.3
41°	529.5	530.4	530.9	529.0
41.5°	523.8	524.6	525.5	528.2
42°	518.1	518.4	519.8	517.5
42.5°	511.8	511.4	511.7	510.9
43°	505.5	505.9	507.4	505.2
43.5°	499.4	499.9	500.7	499.0



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	480.6	480.7	482.0	480.9
45.5°	474.7	474.7	475.7	474.9
46°	468.2	468.7	470.1	465.9
46.5°	461.9	462.6	463.2	462.4
47°	455.8	455.6	457.6	456.5
47.5°	449.4	450.1	450.8	449.0
48°	443.3	444.3	444.8	441.2
48.5°	436.9	438.4	438.0	436.0
49°	430.6	431.5	431.9	432.6
49.5°	424.4	425.2	426.1	423.4
50°	417.7	418.8	419.0	418.7
50.5°	411.8	413.1	412.6	413.3
51°	405.5	406.2	406.6	405.3
51.5°	399.4	400.4	400.3	398.9
52°	392.7	393.8	394.4	392.7
52.5°	386.4	387.6	387.6	386.7
53°	380.4	381.1	381.7	379.5
53.5°	374.1	375.1	375.3	373.7
54°	367.5	368.5	369.0	367.5
54.5°	361.4	362.4	362.5	360.7
55°	355.3	355.8	356.3	355.1
55.5°	349.3	349.8	350.4	348.6
56°	342.5	343.3	344.1	342.1
56.5°	336.5	337.1	337.7	335.9
57°	330.2	330.8	331.5	328.8
57.5°	323.9	324.9	324.4	323.1
58°	317.9	318.7	319.0	317.8
58.5°	311.7	312.6	312.5	310.7
59°	305.5	306.1	306.5	305.7
59.5°	299.3	300.0	300.1	298.3
60°	293.3	294.0	294.0	292.4
60.5°	287.2	287.8	287.9	285.9
61°	281.2	281.7	282.0	280.5
61.5°	275.4	275.4	276.1	274.4
62°	269.1	269.8	269.8	267.6
62.5°	263.0	263.5	263.3	261.7
63°	257.0	257.4	257.1	255.5
63.5°	251.1	251.3	251.4	249.5
64°	245.1	245.1	244.7	243.1
64.5°	239.4	239.4	239.1	237.3
65°	233.5	233.8	232.9	231.1
65.5°	227.6	227.5	226.8	225.1
66°	221.9	221.7	221.7	219.3



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	204.6	204.0	203.3	201.1
68°	199.0	198.2	197.4	195.5
68.5°	193.3	192.7	191.5	188.9
69°	187.7	186.5	185.5	183.2
69.5°	182.1	181.0	179.7	177.5
70°	176.5	175.1	173.8	172.0
70.5°	171.0	169.6	168.0	165.8
71°	165.4	164.0	162.4	159.9
71.5°	160.1	158.7	156.8	154.3
72°	154.7	152.7	151.1	148.6
72.5°	149.2	147.5	145.2	143.2
73°	144.0	141.7	139.9	137.6
73.5°	138.8	136.5	134.4	131.9
74°	133.6	131.3	129.1	126.4
74.5°	128.7	126.1	123.7	120.8
75°	123.7	120.9	118.3	115.3
75.5°	118.8	115.8	113.0	109.9
76°	113.8	110.6	107.6	104.6
76.5°	108.9	105.4	102.4	99.1
77°	104.1	100.5	97.3	93.9
77.5°	99.1	95.4	92.3	89.3
78°	94.3	90.4	87.2	83.8
78.5°	89.7	85.7	82.3	78.5
79°	84.9	80.8	77.1	74.1
79.5°	80.3	75.9	72.2	69.1
80°	75.8	71.4	67.6	64.2
80.5°	71.5	66.8	62.8	59.6
81°	67.2	62.3	58.2	54.9
81.5°	62.9	58.0	53.8	50.8
82°	58.8	53.7	49.4	46.7
82.5°	54.8	49.6	45.3	42.7
83°	50.8	45.6	41.2	38.6
83.5°	47.1	41.6	37.2	34.5
84°	43.6	38.0	33.5	30.8
84.5°	39.9	34.4	29.8	27.0
85°	36.6	30.9	26.3	23.6
85.5°	33.4	27.7	23.0	20.3
86°	30.2	24.6	19.9	17.2
86.5°	27.3	21.5	17.3	14.3
87°	24.5	18.8	14.7	11.5
87.5°	21.8	16.6	12.2	9.0
88°	19.3	14.4	9.6	6.5
88.5°	16.9	12.1	7.0	5.2



TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	11.3	6.2	2.5	1.5
90.5°	9.5	4.8	1.7	0.2
91°	7.7	3.7	1.1	0.2
91.5°	6.4	2.9	0.8	0.1
92°	5.3	2.3	0.6	0.1
92.5°	4.4	1.9	0.5	0.1
93°	3.7	1.6	0.5	0.1
93.5°	3.2	1.4	0.4	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	1.0	0.3	0.2
98°	1.9	1.0	0.3	0.2
98.5°	1.8	1.0	0.3	0.3
99°	1.8	1.0	0.3	0.3
99.5°	1.8	1.0	0.3	0.3
100°	1.8	1.0	0.3	0.4
100.5°	1.7	1.0	0.4	0.4
101°	1.7	0.9	0.4	0.4
101.5°	1.7	0.9	0.4	0.5
102°	1.6	0.9	0.4	0.5
102.5°	1.6	0.9	0.5	0.5
103°	1.6	0.9	0.5	0.6
103.5°	1.6	0.9	0.5	0.6
104°	1.6	0.8	0.6	0.7
104.5°	1.6	0.8	0.6	0.7
105°	1.6	0.8	0.6	0.7
105.5°	1.5	0.8	0.6	0.7
106°	1.5	0.8	0.6	0.8
106.5°	1.5	0.8	0.7	0.8
107°	1.5	0.8	0.7	0.8
107.5°	1.4	0.8	0.7	0.8
108°	1.4	0.7	0.8	0.9
108.5°	1.4	0.7	0.8	1.0
109°	1.4	0.8	0.8	1.0
109.5°	1.3	0.8	0.8	1.1
110°	1.3	0.8	0.9	1.1
110.5°	1.2	0.8	0.9	1.2
111°	1.2	0.8	0.9	1.2



TEST NUMBER: P563530

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

**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	1.0	1.3
114°	1.1	1.0	1.1	1.3
114.5°	1.0	1.1	1.1	1.4
115°	0.9	1.1	1.1	1.4
115.5°	0.9	1.1	1.2	1.4
116°	0.8	1.1	1.2	1.4
116.5°	0.9	1.1	1.2	1.4
117°	0.9	1.1	1.2	1.4
117.5°	0.9	1.1	1.2	1.3
118°	0.9	1.1	1.2	1.3
118.5°	0.9	1.1	1.2	1.3
119°	1.0	1.1	1.2	1.3
119.5°	1.0	1.2	1.2	1.3
120°	1.0	1.2	1.3	1.3
120.5°	1.0	1.2	1.3	1.3
121°	1.1	1.2	1.3	1.3
121.5°	1.1	1.2	1.4	1.3
122°	1.1	1.3	1.4	1.4
122.5°	1.1	1.3	1.4	1.4
123°	1.2	1.3	1.4	1.4
123.5°	1.2	1.3	1.4	1.4
124°	1.2	1.4	1.4	1.4
124.5°	1.2	1.4	1.4	1.4
125°	1.3	1.4	1.5	1.4
125.5°	1.3	1.4	1.5	1.4
126°	1.3	1.5	1.5	1.4
126.5°	1.4	1.5	1.5	1.4
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°	1.4	1.5	1.5	1.5
129°	1.5	1.5	1.5	1.5
129.5°	1.5	1.5	1.5	1.5
130°	1.5	1.5	1.5	1.5
130.5°	1.5	1.6	1.6	1.5
131°	1.5	1.6	1.6	1.5
131.5°	1.5	1.6	1.6	1.5
132°	1.5	1.6	1.6	1.5
132.5°	1.5	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: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563530

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

**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	1.6	1.7
159.5°	2.2	2.1	1.6	1.7
160°	2.2	2.1	1.6	1.7
160.5°	2.2	2.1	1.7	1.7
161°	2.2	2.1	1.7	1.7
161.5°	2.2	2.1	1.7	1.7
162°	2.1	2.1	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	1.7	1.5
164°	2.1	2.0	1.7	1.5
164.5°	2.1	2.0	1.7	1.4
165°	2.1	2.0	1.6	1.4
165.5°	2.1	1.9	1.6	1.4
166°	2.0	1.9	1.6	1.4
166.5°	2.0	1.8	1.6	1.4
167°	2.0	1.8	1.6	1.3
167.5°	2.0	1.8	1.6	1.2
168°	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°	1.7	1.3	1.2	1.2
170°	1.7	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°	1.6	1.3	1.3	1.2
172°	1.5	1.3	1.3	1.2
172.5°	1.3	1.2	1.3	1.2
173°	1.3	1.2	1.2	1.2
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	1.2
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	1.2	1.2
178.5°	1.2	1.3	1.3	1.5





TEST NUMBER: P563530

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

**CANDELA DISTRIBUTION (continued):**

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



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	723.5	724.5	715.0	727.4	719.8	718.3	716.5	716.3	713.9	711.8	709.9
22°	720.1	712.2	712.9	723.3	716.2	714.3	712.6	710.4	709.5	707.3	706.8



44°	492.6	492.2	488.0	494.4	484.8	479.8	473.6	468.2	462.7	459.6	458.2
44.5°	487.2	485.8	480.6	488.2	478.6	473.0	466.9	461.7	456.5	453.0	451.8





66.5°	212.9	212.6	210.1	214.6	208.6	205.5	201.2	198.2	195.0	193.1	192.7
67°	206.9	206.6	204.4	207.6	203.1	199.9	196.1	193.3	189.8	188.1	187.4



89°	4.0	4.5	7.6	12.6	17.5	21.9	25.5	28.1	29.5	29.8	29.1
89.5°	2.7	3.4	6.1	10.9	15.6	20.0	23.6	26.1	27.5	27.9	27.2



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



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



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



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





21.5°	709.0	705.6	710.4	707.8	708.2	708.1	707.5	708.8	714.1	705.0	715.2
22°	707.3	706.2	705.3	704.7	704.6	703.2	705.2	704.4	704.1	698.8	713.8





44°	460.5	463.5	466.6	470.9	470.9	470.6	471.2	471.6	473.5	469.3	479.1
44.5°	454.0	458.1	462.1	463.6	465.3	464.7	465.1	465.7	466.0	463.3	472.3



66.5°	193.8	195.9	198.1	199.0	199.5	198.6	198.0	198.8	199.3	199.6	204.6
67°	188.8	190.6	192.7	193.5	193.8	192.9	192.2	193.1	193.5	194.1	199.1



89°	27.6	25.0	21.3	16.7	11.7	6.7	3.5	1.3	3.2	6.9	12.4
89.5°	25.7	23.1	19.5	15.0	10.1	5.5	2.4	0.2	2.1	5.5	10.5



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



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



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



179°	1.1	1.2	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7
179.5°	0.9	1.2	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7







21.5°	711.5	711.3	713.0	714.8	714.8	715.6	716.3	717.1	720.9	723.3	722.2
22°	707.1	707.9	709.3	713.5	712.1	715.9	713.0	713.9	717.3	719.4	719.9



44°	472.9	471.4	469.1	468.6	465.6	466.4	468.1	473.3	479.9	486.1	489.8
44.5°	466.9	465.3	463.0	461.5	457.9	459.0	462.0	467.4	474.0	479.8	484.0



66.5°	203.0	202.5	201.6	200.6	200.2	200.4	202.0	205.1	209.0	212.3	215.2
67°	197.8	197.0	196.2	196.1	194.9	195.6	196.9	199.7	203.6	206.9	209.5



89°	17.0	21.6	25.6	28.6	30.4	31.3	31.1	29.9	27.7	24.3	19.8
89.5°	15.3	19.6	23.4	26.4	28.2	29.0	28.9	27.7	25.5	22.1	17.6



111.5°	2.1	2.6	3.1	3.5	3.7	3.8	3.7	3.5	3.1	2.6	2.0
112°	2.0	2.6	3.1	3.5	3.7	3.7	3.7	3.5	3.1	2.6	1.9



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



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



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







21.5°	724.7	723.5	726.0	723.5
22°	720.7	720.9	721.0	720.1



44°	493.1	493.6	493.5	492.6
44.5°	487.2	488.0	487.9	487.2



66.5°	216.1	216.0	215.0	212.9
67°	210.4	209.9	209.1	206.9



89°	15.1	9.9	5.2	4.0
89.5°	13.2	7.7	3.7	2.7



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



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



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





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



(END OF REPORT)