

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: P563531

Luminaire Tested: **2NWS23C3-UNV-MED-3500K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563531
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-MED-3500K
Description: 2 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING
Light Source: -
Ballast/Driver:

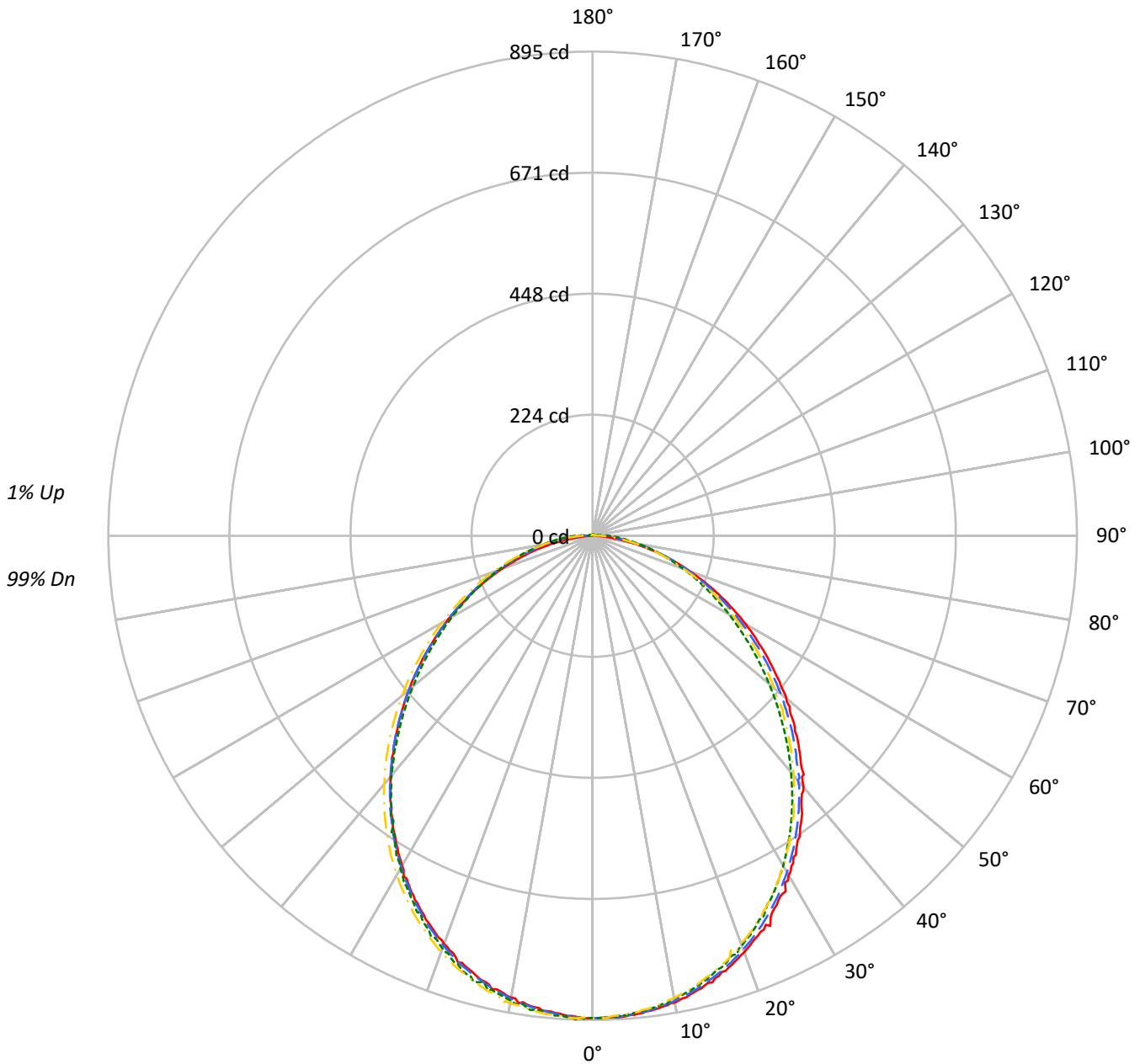
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2266.0 lumens
Efficiency: N/A
Efficacy: 125.9 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): 18
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84				84
2	99	91	85	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70				70
3	91	80	73	66	88	79	71	66	76	69	64	73	68	63	70	66	62	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51				51
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39				39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	33	44	38	33	31				31
9	58	44	36	31	56	44	36	31	43	35	31	41	35	30	40	34	30	28				28
10	54	41	33	28	53	40	33	28	39	33	28	38	32	28	37	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10837	10837	10837	10837
5°	10806	10629	10734	10639
10°	10743	10378	10621	10422
15°	10637	10100	10455	10215
20°	10443	9761	10233	9834
25°	10242	9365	9971	9467
30°	9938	8921	9654	8996
35°	9635	8399	9280	8425
40°	9296	7826	8912	7923
45°	8853	7207	8445	7314
50°	8414	6581	7987	6704
55°	7924	5958	7495	6101
60°	7397	5352	6982	5502
65°	6807	4762	6358	4936
70°	6120	4174	5654	4359
75°	5230	3568	4807	3791
80°	4058	2935	3593	3193
85°	2488	2388	2025	2570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	3.7
10°-20°	238.3	10.5
20°-30°	352.4	15.6
30°-40°	407.3	18.0
40°-50°	398.0	17.6
50°-60°	336.5	14.9
60°-70°	243.4	10.7
70°-80°	138.7	6.1
80°-90°	48.6	2.1
90°-100°	7.9	0.4
100°-110°	2.5	0.1
110°-120°	1.9	0.1
120°-130°	1.6	0.1
130°-140°	1.5	0.1
140°-150°	1.4	0.1
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	674.9	29.8
0°-40°	1082.1	47.8
0°-60°	1816.7	80.2
0°-90°	2247.4	99.2
90°-120°	12.4	0.5
90°-150°	16.9	0.7
90°-180°	19.0	0.8
0°-180°	2266.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	889	885	883	886	889	84
15°	855	843	840	852	855	240
25°	778	759	758	768	778	358
35°	668	640	644	642	668	417
45°	536	498	512	505	536	413
55°	396	356	375	365	396	354
65°	258	232	241	241	258	255
75°	129	129	118	137	129	137
85°	26	54	21	58	26	31
90°	2	29	0	30	2	2
95°	0	14	0	13	0	0
105°	1	3	1	5	1	1
115°	2	2	2	4	2	1
125°	2	1	2	3	2	1
135°	2	2	2	1	2	1
145°	2	3	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	0
175°	1	2	1	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4
0.5°	891.4	894.7	885.0	902.9	891.4	891.2	891.6	893.6	890.5	892.1	890.5
1°	892.0	893.4	884.4	898.5	891.1	891.3	891.2	894.6	892.1	891.3	890.0
1.5°	890.9	892.8	883.8	904.5	890.7	891.2	890.8	895.0	892.8	891.6	889.6
2°	891.1	890.7	883.4	901.6	890.9	890.3	891.6	892.2	890.9	890.7	891.3
2.5°	890.6	889.3	883.5	897.8	892.5	890.1	890.2	890.3	890.5	892.0	888.6
3°	891.6	890.8	883.4	898.2	890.2	890.4	890.2	894.7	888.9	888.9	888.3
3.5°	890.9	888.4	882.4	897.3	890.0	888.9	889.2	892.8	889.7	888.5	887.3
4°	890.2	894.1	886.9	901.4	889.3	888.8	888.3	889.0	888.2	888.1	887.3
4.5°	888.7	890.2	882.0	898.2	888.9	887.6	887.1	889.5	887.7	886.6	887.0
5°	888.7	891.3	880.6	895.0	888.1	886.7	887.2	887.3	886.4	885.3	884.0
5.5°	887.5	887.0	881.2	896.5	886.1	885.1	885.6	887.5	885.9	884.6	882.8
6°	886.6	890.1	879.0	891.7	885.2	884.9	885.0	882.5	884.4	883.0	882.4
6.5°	884.6	881.1	877.9	893.0	885.1	883.9	883.5	885.6	884.2	882.2	879.7
7°	884.8	887.4	876.5	892.4	883.6	882.1	882.1	891.9	883.1	880.4	879.8
7.5°	883.0	882.5	879.2	892.0	882.0	880.8	880.7	877.5	881.0	879.1	877.6
8°	881.4	881.7	874.4	890.8	879.8	879.0	878.8	881.0	878.1	877.5	874.6
8.5°	879.9	881.3	871.9	888.8	878.8	877.6	876.6	876.6	878.1	875.4	873.8
9°	879.0	884.0	872.0	885.6	876.9	876.2	875.5	876.6	874.8	876.4	871.1
9.5°	876.0	877.0	869.1	881.8	875.2	874.6	873.9	875.2	872.4	870.0	870.5
10°	876.6	876.0	867.6	883.9	873.0	872.5	872.0	871.1	873.0	868.5	868.9
10.5°	873.9	873.1	865.8	880.0	871.0	870.6	869.6	868.1	867.9	866.8	866.6
11°	871.3	870.0	865.5	879.2	870.5	867.9	867.7	868.5	867.5	865.2	864.3
11.5°	870.6	868.8	862.0	874.0	867.2	865.5	865.2	865.0	864.1	862.5	861.9
12°	867.0	867.0	860.5	872.6	865.1	863.8	863.2	862.4	859.3	860.3	858.5
12.5°	864.4	863.8	856.9	871.4	862.3	861.1	860.1	862.1	858.8	857.3	855.7
13°	861.5	863.8	861.0	867.0	860.0	858.8	858.0	856.5	856.3	855.2	853.2
13.5°	860.5	859.6	852.9	872.7	858.2	856.0	855.2	854.2	854.1	852.2	850.4
14°	856.4	857.9	851.2	865.2	854.2	853.1	852.3	853.1	851.6	848.9	847.2
14.5°	853.5	855.5	816.0	862.9	851.4	850.4	849.2	855.6	847.1	846.4	843.7
15°	854.6	851.3	842.1	853.9	849.4	847.3	846.5	847.3	845.9	842.8	841.0
15.5°	848.2	842.9	842.0	859.3	845.9	844.4	843.1	841.5	844.2	838.7	838.4
16°	846.5	847.3	838.7	847.2	842.0	841.3	840.2	839.7	837.6	834.8	835.1
16.5°	841.0	843.5	834.7	851.4	839.8	838.3	836.2	835.5	834.4	833.1	831.6
17°	840.9	839.1	853.7	846.9	836.6	834.9	833.7	832.8	830.3	830.4	827.3
17.5°	836.6	836.2	828.6	844.8	832.8	831.4	829.8	831.4	831.7	826.3	823.9
18°	833.8	833.2	823.8	840.3	829.2	828.3	826.9	826.7	824.3	819.9	820.3
18.5°	830.0	830.9	822.8	836.2	825.2	824.0	823.2	823.2	820.4	817.3	816.7
19°	826.1	827.0	821.0	832.5	822.5	820.5	819.7	820.0	816.7	818.7	812.5
19.5°	822.2	824.6	817.9	829.2	819.7	816.8	815.3	814.2	813.1	810.0	808.9
20°	819.4	816.7	813.1	825.6	815.2	812.7	811.6	809.3	808.7	806.0	804.7
20.5°	814.9	813.7	808.2	821.4	811.0	808.9	807.5	808.5	805.7	801.8	801.2
21°	811.4	810.6	803.4	816.8	807.1	804.9	803.8	803.0	801.0	797.3	796.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	799.2	802.7	791.3	803.3	794.6	792.1	791.4	791.9	787.5	784.6	782.7
23°	795.3	792.8	788.4	803.0	790.0	787.8	786.6	783.2	781.8	778.9	777.3
23.5°	793.9	793.3	782.2	798.4	785.6	783.8	783.4	782.6	777.6	773.1	772.8
24°	787.2	785.1	780.5	792.5	781.0	778.5	782.8	775.0	772.6	773.8	768.2
24.5°	792.5	781.3	772.9	783.8	776.2	773.9	772.2	770.9	767.6	767.0	762.7
25°	778.3	776.0	771.7	783.1	771.5	769.3	766.6	763.4	762.1	759.2	758.7
25.5°	771.5	770.8	763.4	781.1	767.0	764.1	761.5	763.0	757.8	751.9	753.4
26°	766.3	765.4	759.6	771.3	761.7	759.1	757.4	759.7	752.3	749.2	748.4
26.5°	762.4	762.0	753.6	766.7	757.4	753.8	752.6	748.7	746.5	744.0	740.9
27°	756.4	756.3	745.7	760.3	752.0	749.2	746.4	744.2	741.9	738.4	737.2
27.5°	751.2	750.5	742.7	756.2	746.8	744.0	740.9	739.7	737.9	733.1	731.4
28°	748.8	746.4	737.5	750.8	741.2	738.9	736.1	735.0	729.8	727.6	725.6
28.5°	748.1	743.3	735.8	746.6	735.8	733.0	730.8	729.7	724.3	722.0	720.2
29°	732.9	735.1	728.4	739.5	730.4	727.4	725.6	721.6	719.3	715.8	714.0
29.5°	732.3	732.0	723.1	735.3	725.4	722.0	718.1	716.2	713.0	710.2	708.2
30°	724.9	721.9	715.3	731.3	719.8	716.7	712.9	714.6	707.5	704.3	702.5
30.5°	720.6	727.4	712.4	724.5	714.3	711.2	707.6	704.7	702.0	698.1	696.3
31°	713.0	714.9	705.6	717.4	708.4	705.3	701.9	698.4	695.4	691.9	690.7
31.5°	709.4	707.6	707.7	713.6	702.4	699.1	695.8	693.8	689.0	685.5	683.9
32°	700.6	702.5	695.7	711.9	696.6	693.3	689.4	686.4	682.8	679.4	677.2
32.5°	699.2	697.0	686.1	698.5	690.9	687.3	683.5	680.5	676.1	672.8	672.1
33°	691.0	691.5	684.8	694.6	685.1	681.5	677.3	673.9	669.3	666.7	664.9
33.5°	684.3	685.0	677.8	690.4	678.9	675.3	671.2	665.9	663.6	660.4	658.7
34°	678.0	677.3	673.1	691.2	672.7	669.0	664.4	663.8	656.9	654.1	650.9
34.5°	675.3	673.0	667.3	677.3	666.5	662.3	658.0	654.4	649.3	647.0	645.1
35°	668.1	666.6	659.6	672.0	660.7	656.7	651.6	648.0	644.3	640.2	638.2
35.5°	661.2	661.2	653.8	664.6	654.0	650.1	645.2	641.4	636.4	633.5	631.6
36°	655.8	654.3	647.7	657.1	648.1	644.1	638.3	633.9	629.4	626.7	625.6
36.5°	649.2	647.9	641.8	651.6	641.4	636.9	631.3	632.0	624.8	619.8	618.6
37°	643.2	641.3	635.8	646.2	635.6	630.7	625.7	619.7	617.7	613.2	611.3
37.5°	634.8	636.0	629.0	637.0	628.3	623.9	618.5	615.1	609.6	605.7	605.2
38°	626.2	629.1	622.7	631.6	621.8	617.9	611.6	606.9	603.1	598.7	597.5
38.5°	620.6	622.2	617.2	626.1	615.9	610.8	605.4	599.8	595.4	592.0	591.0
39°	614.2	615.8	609.9	620.7	609.3	603.8	596.8	595.5	588.1	584.8	583.1
39.5°	611.6	609.3	603.5	613.2	602.5	597.2	592.8	586.3	581.9	577.8	576.5
40°	606.2	603.0	597.0	598.9	588.6	590.7	585.4	578.2	574.4	570.7	569.2
40.5°	598.1	596.3	590.7	598.4	594.6	583.4	577.7	572.4	566.6	563.2	562.1
41°	589.9	589.7	583.6	592.4	580.2	576.7	570.2	568.0	561.7	556.0	554.8
41.5°	589.0	582.4	576.9	585.7	575.4	569.8	563.9	557.8	553.6	548.7	547.9
42°	577.1	575.6	570.2	578.8	564.8	562.7	556.3	552.4	545.7	541.5	540.0
42.5°	569.8	569.6	563.3	571.2	557.6	556.0	549.4	544.5	538.1	534.6	533.4
43°	563.4	562.8	556.9	567.9	554.2	549.2	542.2	536.8	530.9	527.2	526.0
43.5°	556.5	556.1	550.6	557.0	547.4	541.7	535.2	529.8	523.9	519.6	518.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	536.3	535.7	529.4	536.4	526.4	521.0	513.7	507.0	501.4	497.8	497.3
45.5°	529.6	528.6	522.7	529.5	519.6	514.0	506.7	498.9	494.6	490.6	490.1
46°	519.5	521.4	515.6	522.5	512.7	506.8	499.9	493.5	486.9	483.2	482.4
46.5°	515.6	514.2	508.6	515.7	505.5	499.4	492.3	486.3	479.8	476.0	475.1
47°	509.0	507.4	502.8	509.0	498.6	492.6	484.8	479.8	472.7	469.3	468.9
47.5°	500.7	500.2	493.5	501.4	491.5	485.2	477.7	472.2	465.1	461.6	460.8
48°	492.0	492.3	488.4	494.7	484.9	477.9	470.9	464.7	458.6	454.4	453.8
48.5°	486.2	487.1	480.9	487.6	477.4	470.8	463.6	457.8	450.3	446.9	446.2
49°	482.4	479.9	474.9	480.0	470.6	463.9	456.0	449.7	443.7	440.2	439.9
49.5°	472.1	471.1	467.2	472.6	463.2	457.0	449.8	441.9	436.4	432.9	431.4
50°	466.9	467.3	460.6	466.4	456.3	450.0	442.1	435.5	429.2	425.7	425.4
50.5°	460.9	457.5	452.7	458.8	449.2	442.1	434.9	429.1	422.0	418.5	417.1
51°	452.0	451.7	446.4	451.7	442.4	435.6	427.6	420.6	415.3	411.5	411.2
51.5°	444.8	443.4	439.3	444.3	435.0	428.2	420.6	414.5	407.8	404.3	403.7
52°	438.0	436.4	432.9	436.8	428.0	421.3	413.7	403.7	401.0	397.5	396.9
52.5°	431.2	430.6	426.0	430.2	421.2	414.4	406.6	399.8	394.1	390.5	389.4
53°	423.2	423.1	417.6	423.2	413.7	407.2	399.6	393.1	387.0	383.7	382.6
53.5°	416.7	416.6	409.5	416.7	407.1	400.4	392.7	386.0	380.0	376.8	375.9
54°	409.8	409.2	405.1	409.4	400.3	393.2	385.3	379.5	373.4	369.7	368.8
54.5°	402.3	401.5	397.4	402.1	392.6	386.5	378.6	375.4	366.7	363.1	362.9
55°	396.0	394.8	390.1	395.6	385.8	379.2	371.8	364.9	359.6	356.4	355.3
55.5°	388.8	388.3	385.3	386.6	379.0	372.6	364.7	358.5	353.1	349.5	349.2
56°	381.5	381.1	377.0	380.6	372.2	365.6	358.9	351.9	346.4	343.0	342.6
56.5°	374.6	373.4	372.7	373.5	365.0	358.8	351.6	344.7	339.7	336.2	336.0
57°	366.7	366.4	363.6	367.0	358.1	351.9	344.3	338.0	333.4	330.0	330.5
57.5°	360.3	359.1	356.2	361.6	351.4	345.1	338.1	331.3	326.4	323.3	322.0
58°	354.3	353.3	349.0	352.6	344.5	338.7	331.2	326.4	319.9	316.7	316.8
58.5°	346.5	345.5	341.8	345.7	337.6	331.6	324.4	318.3	313.8	310.6	310.2
59°	340.9	338.3	335.2	338.6	331.0	325.3	318.2	312.2	307.3	304.3	303.7
59.5°	332.6	332.6	328.2	332.2	324.3	318.2	311.7	305.6	300.9	297.7	297.6
60°	326.1	325.9	321.4	324.9	317.2	311.7	305.2	299.8	293.9	291.6	291.3
60.5°	318.9	318.8	314.6	318.2	310.7	305.1	298.3	293.2	288.1	285.6	285.0
61°	312.8	311.9	307.6	311.5	304.1	298.5	292.2	287.3	282.4	279.2	278.5
61.5°	306.0	304.5	300.6	304.9	297.5	292.0	285.5	280.8	276.1	273.1	273.1
62°	298.4	297.3	294.9	297.5	290.6	285.7	279.5	274.0	269.6	267.2	267.3
62.5°	291.9	291.2	287.3	290.6	284.3	279.1	273.2	268.0	264.4	261.3	260.2
63°	284.9	283.8	283.2	284.1	277.5	272.9	266.8	265.8	257.2	255.3	255.1
63.5°	278.3	277.2	275.5	277.3	271.2	266.4	261.0	256.3	252.0	249.4	249.2
64°	271.1	269.7	267.4	270.6	263.9	260.2	254.6	250.4	246.1	243.5	243.1
64.5°	264.6	263.7	261.1	264.1	258.4	254.0	248.7	243.5	240.2	238.1	237.8
65°	257.7	257.1	254.6	258.1	247.9	247.8	242.4	238.3	234.4	232.1	231.7
65.5°	251.0	250.2	247.6	250.8	245.1	241.7	236.4	232.7	228.8	226.6	226.1
66°	244.5	243.9	240.8	244.2	239.2	235.3	230.5	226.9	222.7	220.9	220.1



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	224.3	224.3	222.2	224.4	220.5	217.0	212.7	209.7	206.0	204.4	203.6
68°	218.0	217.2	215.8	218.2	214.0	211.2	207.1	204.3	200.8	198.8	198.6
68.5°	210.7	210.1	209.2	211.5	208.0	205.2	201.6	198.6	195.6	193.7	192.8
69°	204.3	204.0	202.7	205.4	201.9	199.3	196.5	193.2	189.9	188.5	187.9
69.5°	198.0	197.7	195.2	200.6	195.9	193.4	190.2	187.5	184.7	183.0	182.3
70°	191.8	191.2	188.5	192.7	189.7	187.7	184.9	182.3	180.1	177.9	177.2
70.5°	184.8	184.9	183.3	186.7	183.8	181.9	179.3	176.8	174.4	172.7	172.1
71°	178.3	178.1	177.0	180.1	177.9	176.2	173.9	171.7	169.3	167.8	166.9
71.5°	172.0	172.5	170.6	174.4	172.1	170.5	168.6	166.6	164.2	162.8	162.5
72°	165.8	165.9	165.2	168.6	166.2	165.2	163.2	161.2	159.3	157.8	157.9
72.5°	159.7	159.6	158.7	162.1	160.4	159.6	157.7	156.3	153.9	152.9	152.7
73°	153.4	153.3	152.5	156.2	154.8	154.1	152.7	151.2	149.3	147.8	147.3
73.5°	147.1	146.5	146.4	150.3	149.1	148.7	147.3	146.1	144.4	143.3	142.6
74°	140.9	141.0	140.3	144.1	143.5	143.3	142.4	141.4	139.7	138.4	137.7
74.5°	134.8	134.5	134.4	138.3	138.0	138.1	137.3	136.1	134.9	133.8	132.9
75°	128.6	128.7	128.6	132.5	132.6	132.9	132.1	131.5	130.4	129.1	128.5
75.5°	122.5	122.5	123.4	128.7	127.2	127.6	127.2	126.6	125.7	124.3	123.8
76°	116.7	117.1	116.7	121.3	121.7	122.6	122.0	122.3	121.1	120.5	119.3
76.5°	110.5	111.1	111.5	115.9	116.5	117.5	117.7	117.3	116.6	115.7	114.8
77°	104.7	105.1	105.8	109.6	111.3	112.6	112.7	112.9	112.1	111.2	110.5
77.5°	99.6	99.2	100.6	104.8	106.2	107.5	107.7	108.0	107.7	106.8	106.1
78°	93.4	94.1	94.7	99.5	101.2	102.8	103.9	103.9	103.3	102.6	101.8
78.5°	87.6	88.1	89.5	94.4	96.2	98.1	99.0	99.6	99.2	98.6	97.7
79°	82.6	82.4	84.3	88.9	91.3	93.4	94.5	95.1	95.0	94.6	93.7
79.5°	77.0	76.9	78.7	84.1	86.4	88.7	90.1	90.9	90.8	90.4	89.6
80°	71.6	71.9	73.9	79.2	81.7	84.4	85.8	87.0	87.1	86.5	85.8
80.5°	66.4	66.9	69.1	74.2	77.2	79.8	81.6	83.0	83.2	82.8	81.9
81°	61.3	61.7	64.1	69.4	72.6	75.6	78.3	79.0	79.6	79.1	78.3
81.5°	56.7	57.2	59.7	64.9	68.1	71.4	74.0	75.3	75.6	75.4	74.8
82°	52.1	52.7	55.4	60.2	63.8	67.4	70.1	71.6	72.1	72.0	71.2
82.5°	47.6	48.2	51.1	56.1	59.4	63.4	66.2	68.2	68.7	68.5	67.4
83°	43.0	43.8	46.9	52.1	55.7	59.2	62.4	64.4	65.2	65.2	64.4
83.5°	38.5	39.3	42.6	48.1	52.1	55.9	59.1	61.1	62.0	61.9	61.3
84°	34.3	35.4	38.3	44.1	48.6	52.7	56.1	58.1	59.1	59.7	58.5
84.5°	30.1	31.1	34.4	40.1	45.0	49.4	53.0	55.2	56.2	56.7	55.6
85°	26.3	27.2	30.5	36.4	41.4	46.2	49.9	52.3	53.3	53.8	52.8
85.5°	22.6	23.6	27.0	32.9	38.2	43.0	46.8	49.3	50.4	50.8	49.9
86°	19.2	20.1	23.6	29.6	35.0	40.0	43.8	46.4	47.5	47.9	47.1
86.5°	15.9	16.8	20.4	26.5	32.0	37.1	40.9	43.6	44.9	45.1	44.4
87°	12.8	13.8	17.6	23.6	29.2	34.3	38.2	40.9	42.3	42.6	41.8
87.5°	10.0	11.0	14.9	20.9	26.5	31.7	35.6	38.4	39.8	40.1	39.3
88°	7.3	8.5	12.5	18.4	24.0	29.1	33.1	35.9	37.2	37.7	37.0
88.5°	5.8	6.3	10.4	16.1	21.6	26.7	30.7	33.6	35.0	35.5	34.7



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	1.6	2.5	5.9	10.5	15.6	20.4	24.2	27.1	28.7	29.1	28.4
90.5°	0.2	1.3	4.9	9.0	13.8	18.5	22.4	25.2	26.7	27.2	26.5
91°	0.2	0.9	4.0	7.7	12.3	16.8	20.6	23.3	24.9	25.3	24.7
91.5°	0.2	0.6	3.1	6.5	10.8	15.2	18.8	21.5	23.1	23.5	22.9
92°	0.2	0.4	2.1	5.6	9.5	13.7	17.2	19.9	21.4	21.9	21.4
92.5°	0.1	0.4	1.6	4.8	8.3	12.3	15.7	18.3	19.8	20.3	19.7
93°	0.1	0.3	1.3	4.0	7.3	11.0	14.3	16.8	18.3	18.8	18.2
93.5°	0.1	0.3	1.1	3.2	6.4	9.8	13.0	15.5	16.8	17.4	16.9
94°	0.1	0.3	0.9	2.7	5.7	8.8	11.8	14.2	15.6	16.1	15.5
94.5°	0.1	0.2	0.8	2.3	5.0	7.9	10.7	12.9	14.4	14.8	14.3
95°	0.1	0.2	0.7	2.0	4.3	7.0	9.7	11.9	13.1	13.6	13.1
95.5°	0.2	0.2	0.6	1.7	3.7	6.2	8.7	10.9	12.1	12.5	12.1
96°	0.2	0.2	0.6	1.6	3.2	5.6	7.9	9.8	11.1	11.5	11.0
96.5°	0.2	0.2	0.5	1.4	2.9	5.1	7.1	9.0	10.1	10.5	10.2
97°	0.2	0.3	0.5	1.3	2.6	4.5	6.4	8.1	9.3	9.7	9.3
97.5°	0.2	0.3	0.5	1.2	2.3	4.0	5.9	7.4	8.5	8.9	8.5
98°	0.3	0.3	0.4	1.1	2.1	3.6	5.4	6.8	7.8	8.1	7.8
98.5°	0.3	0.3	0.4	1.0	2.0	3.3	4.9	6.2	7.1	7.5	7.1
99°	0.3	0.4	0.4	0.9	1.9	3.0	4.4	5.8	6.6	6.8	6.6
99.5°	0.4	0.4	0.5	0.8	1.8	2.9	4.1	5.4	6.1	6.3	6.1
100°	0.4	0.5	0.5	0.8	1.6	2.7	3.8	5.0	5.7	5.9	5.7
100.5°	0.5	0.5	0.5	0.8	1.5	2.5	3.6	4.6	5.2	5.5	5.2
101°	0.5	0.6	0.5	0.8	1.5	2.4	3.4	4.3	4.8	5.1	4.8
101.5°	0.5	0.6	0.6	0.7	1.4	2.3	3.2	4.1	4.5	4.6	4.5
102°	0.6	0.6	0.6	0.7	1.3	2.1	3.0	3.9	4.3	4.4	4.3
102.5°	0.6	0.7	0.6	0.7	1.2	2.0	2.9	3.7	4.0	4.2	4.1
103°	0.7	0.7	0.6	0.8	1.2	1.9	2.7	3.5	3.9	4.0	3.9
103.5°	0.7	0.7	0.6	0.8	1.1	1.8	2.6	3.3	3.7	3.8	3.7
104°	0.7	0.8	0.6	0.8	1.1	1.7	2.4	3.1	3.5	3.7	3.6
104.5°	0.8	0.9	0.7	0.8	1.0	1.6	2.3	3.0	3.4	3.5	3.4
105°	0.8	1.0	0.7	0.9	1.0	1.5	2.2	2.8	3.2	3.3	3.2
105.5°	0.8	1.1	0.7	0.9	1.0	1.5	2.1	2.6	3.0	3.2	3.1
106°	0.8	1.2	0.7	0.9	1.0	1.4	2.0	2.5	2.9	3.0	2.9
106.5°	0.9	1.2	0.8	1.0	1.0	1.4	1.9	2.4	2.8	2.9	2.8
107°	0.9	1.1	0.8	1.0	1.0	1.3	1.8	2.3	2.6	2.7	2.7
107.5°	0.9	1.1	0.9	1.0	1.0	1.3	1.7	2.2	2.5	2.6	2.5
108°	1.0	1.1	0.9	1.0	1.0	1.2	1.6	2.1	2.4	2.5	2.4
108.5°	1.1	1.1	1.0	1.0	1.1	1.2	1.6	2.0	2.3	2.4	2.3
109°	1.2	1.2	1.0	1.0	1.1	1.2	1.5	1.9	2.2	2.3	2.2
109.5°	1.2	1.3	1.1	0.9	1.2	1.2	1.5	1.8	2.1	2.2	2.1
110°	1.3	1.3	1.1	1.0	1.2	1.2	1.4	1.7	2.0	2.1	2.0
110.5°	1.3	1.3	1.1	1.0	1.2	1.2	1.4	1.7	1.9	2.0	1.9
111°	1.3	1.3	1.1	1.0	1.2	1.3	1.4	1.6	1.8	1.9	1.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.4	1.4	1.1	1.1	1.3	1.4	1.4	1.4	1.6	1.6	1.6
113°	1.4	1.4	1.1	1.1	1.2	1.4	1.4	1.4	1.5	1.6	1.6
113.5°	1.5	1.4	1.1	1.1	1.1	1.4	1.4	1.4	1.5	1.5	1.5
114°	1.5	1.3	1.1	1.1	1.1	1.4	1.4	1.4	1.5	1.5	1.5
114.5°	1.5	1.3	1.2	1.1	1.1	1.4	1.5	1.4	1.5	1.5	1.5
115°	1.6	1.4	1.3	1.1	1.2	1.5	1.5	1.5	1.5	1.5	1.5
115.5°	1.6	1.5	1.3	1.1	1.2	1.5	1.5	1.5	1.5	1.5	1.5
116°	1.6	1.6	1.4	1.1	1.2	1.5	1.6	1.5	1.5	1.5	1.5
116.5°	1.5	1.6	1.5	1.1	1.3	1.4	1.6	1.6	1.5	1.5	1.5
117°	1.5	1.6	1.6	1.2	1.3	1.3	1.6	1.6	1.6	1.5	1.6
117.5°	1.5	1.6	1.7	1.2	1.3	1.3	1.6	1.7	1.6	1.6	1.6
118°	1.4	1.6	1.8	1.2	1.4	1.3	1.7	1.7	1.6	1.6	1.7
118.5°	1.4	1.6	1.8	1.3	1.4	1.3	1.7	1.7	1.7	1.7	1.7
119°	1.4	1.6	1.8	1.3	1.4	1.3	1.6	1.7	1.7	1.7	1.7
119.5°	1.4	1.6	1.7	1.3	1.4	1.3	1.5	1.7	1.7	1.7	1.7
120°	1.4	1.6	1.7	1.4	1.5	1.4	1.4	1.8	1.7	1.7	1.7
120.5°	1.5	1.6	1.6	1.4	1.5	1.4	1.3	1.8	1.7	1.7	1.7
121°	1.5	1.7	1.7	1.5	1.5	1.4	1.3	1.7	1.8	1.8	1.8
121.5°	1.5	1.7	1.7	1.5	1.5	1.4	1.3	1.6	1.8	1.8	1.8
122°	1.5	1.7	1.7	1.5	1.6	1.5	1.4	1.4	1.8	1.8	1.8
122.5°	1.5	1.7	1.8	1.6	1.6	1.5	1.4	1.4	1.6	1.8	1.7
123°	1.5	1.7	1.8	1.6	1.6	1.5	1.4	1.3	1.5	1.6	1.5
123.5°	1.5	1.7	1.9	1.7	1.6	1.6	1.4	1.4	1.4	1.5	1.4
124°	1.6	1.7	1.9	1.7	1.7	1.6	1.5	1.4	1.4	1.4	1.4
124.5°	1.6	1.7	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.4
125°	1.6	1.7	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.4	1.4
125.5°	1.6	1.7	1.9	1.9	1.7	1.7	1.5	1.4	1.4	1.4	1.4
126°	1.6	1.7	1.9	2.0	1.8	1.7	1.6	1.5	1.4	1.4	1.4
126.5°	1.6	1.8	1.9	2.1	1.8	1.7	1.6	1.5	1.4	1.4	1.4
127°	1.6	1.8	1.9	2.2	1.8	1.7	1.6	1.5	1.5	1.4	1.5
127.5°	1.6	1.8	1.8	2.3	1.8	1.7	1.7	1.5	1.5	1.4	1.5
128°	1.6	1.8	1.8	2.2	1.8	1.8	1.7	1.6	1.5	1.5	1.5
128.5°	1.7	1.8	1.8	2.2	1.9	1.8	1.7	1.6	1.5	1.5	1.5
129°	1.6	1.8	1.7	2.2	1.9	1.8	1.7	1.6	1.6	1.5	1.6
129.5°	1.6	1.8	1.6	2.1	1.9	1.8	1.7	1.7	1.6	1.6	1.6
130°	1.7	1.8	1.6	2.1	2.0	1.9	1.8	1.7	1.6	1.6	1.6
130.5°	1.7	1.7	1.7	2.0	2.0	1.9	1.8	1.7	1.7	1.6	1.7
131°	1.7	1.7	1.7	2.0	2.1	1.9	1.8	1.7	1.7	1.6	1.7
131.5°	1.7	1.8	1.7	2.0	2.1	1.9	1.8	1.8	1.7	1.7	1.7
132°	1.7	1.8	1.7	2.0	2.3	2.0	1.8	1.8	1.7	1.7	1.7
132.5°	1.7	1.8	1.7	2.1	2.4	2.0	1.9	1.8	1.8	1.7	1.8
133°	1.8	1.8	1.8	2.1	2.5	2.0	1.9	1.8	1.8	1.7	1.8
133.5°	1.8	1.9	1.8	2.1	2.7	2.1	1.9	1.8	1.8	1.8	1.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	1.8	1.9	1.8	2.1	2.8	2.1	2.0	1.9	1.9	1.8	1.9
135.5°	1.8	1.9	1.9	2.1	2.7	2.2	2.0	1.9	1.9	1.8	1.9
136°	1.8	1.9	1.9	2.1	2.7	2.3	2.0	2.0	1.9	1.9	1.9
136.5°	1.8	1.9	1.9	2.1	2.6	2.4	2.1	2.0	1.9	1.9	1.9
137°	1.8	1.9	2.0	2.1	2.5	2.5	2.1	2.0	2.0	1.9	2.0
137.5°	1.8	1.9	2.0	2.1	2.5	2.6	2.1	2.0	2.0	1.9	2.0
138°	1.8	1.9	2.0	2.0	2.4	2.8	2.2	2.1	2.0	2.0	2.0
138.5°	1.8	1.9	2.0	2.0	2.4	2.9	2.2	2.1	2.0	2.0	2.0
139°	1.8	1.9	2.0	1.9	2.5	3.0	2.2	2.1	2.1	2.0	2.1
139.5°	1.9	1.9	2.1	1.9	2.5	3.1	2.3	2.2	2.1	2.0	2.1
140°	1.9	1.9	2.1	1.9	2.5	3.0	2.4	2.2	2.1	2.1	2.1
140.5°	1.9	1.9	2.1	1.9	2.5	2.9	2.5	2.2	2.1	2.1	2.1
141°	1.9	1.9	2.1	1.9	2.5	2.8	2.7	2.3	2.2	2.1	2.2
141.5°	1.9	1.8	2.1	1.9	2.5	2.8	2.9	2.3	2.2	2.2	2.2
142°	1.9	1.8	2.1	1.9	2.5	2.7	3.0	2.4	2.2	2.2	2.2
142.5°	1.9	1.9	2.2	1.9	2.5	2.6	3.1	2.5	2.3	2.2	2.3
143°	1.9	1.9	2.2	1.9	2.4	2.5	3.1	2.6	2.3	2.3	2.3
143.5°	1.9	2.0	2.2	1.9	2.4	2.5	3.1	2.8	2.4	2.3	2.4
144°	2.0	2.0	2.2	2.0	2.3	2.5	3.0	3.0	2.6	2.4	2.5
144.5°	2.0	2.0	2.2	2.0	2.2	2.6	2.9	3.1	2.7	2.5	2.7
145°	2.0	2.0	2.3	2.0	2.1	2.6	2.8	3.2	2.9	2.7	2.9
145.5°	2.0	2.0	2.3	2.0	2.1	2.6	2.7	3.1	3.1	2.9	3.0
146°	2.0	2.0	2.3	2.0	2.0	2.6	2.6	3.0	3.2	3.0	3.1
146.5°	2.0	1.9	2.3	2.1	2.0	2.6	2.6	2.9	3.2	3.2	3.2
147°	2.0	1.9	2.3	2.1	1.9	2.5	2.6	2.8	3.1	3.2	3.1
147.5°	2.0	1.8	2.3	2.1	1.9	2.5	2.6	2.7	3.0	3.1	3.0
148°	2.0	1.8	2.3	2.1	1.9	2.4	2.6	2.6	2.9	3.0	2.9
148.5°	1.9	1.8	2.3	2.1	1.9	2.3	2.6	2.6	2.8	2.8	2.8
149°	1.9	1.8	2.3	2.2	1.9	2.3	2.6	2.6	2.7	2.7	2.7
149.5°	1.9	1.8	2.2	2.2	1.9	2.2	2.6	2.6	2.6	2.6	2.6
150°	1.9	1.9	2.2	2.2	1.9	2.1	2.6	2.6	2.6	2.6	2.6
150.5°	1.9	1.9	2.2	2.2	1.9	2.0	2.5	2.6	2.6	2.5	2.6
151°	1.9	1.8	2.2	2.2	1.9	2.0	2.4	2.6	2.6	2.5	2.6
151.5°	1.9	1.8	2.2	2.2	1.9	1.9	2.4	2.6	2.6	2.6	2.6
152°	1.9	1.8	2.2	2.2	2.0	1.9	2.3	2.6	2.6	2.6	2.6
152.5°	1.9	1.8	2.2	2.3	2.0	1.9	2.2	2.5	2.6	2.6	2.6
153°	1.9	1.8	2.2	2.3	2.0	1.9	2.1	2.5	2.6	2.6	2.6
153.5°	1.9	1.8	2.2	2.3	2.0	1.8	2.0	2.4	2.5	2.6	2.5
154°	1.9	1.8	2.2	2.3	2.1	1.9	1.9	2.3	2.5	2.5	2.5
154.5°	1.9	1.8	2.2	2.3	2.1	1.9	1.9	2.2	2.4	2.4	2.4
155°	1.9	1.8	2.2	2.3	2.1	1.9	1.8	2.1	2.3	2.3	2.3
155.5°	1.9	1.8	2.2	2.3	2.1	1.9	1.8	2.0	2.2	2.2	2.2
156°	1.9	1.8	2.2	2.2	2.1	1.9	1.8	1.9	2.0	2.1	2.1



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.9	1.8	2.1	2.3	2.2	2.0	1.9	1.8	1.8	1.9	1.8
158°	1.9	1.8	2.1	2.3	2.2	2.1	1.9	1.8	1.8	1.8	1.8
158.5°	1.9	1.8	2.1	2.3	2.2	2.1	1.9	1.8	1.8	1.8	1.8
159°	1.9	1.8	2.1	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8
159.5°	1.9	1.7	2.1	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8
160°	1.9	1.7	2.1	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8
160.5°	1.9	1.7	2.1	2.2	2.2	2.2	2.1	1.9	1.9	1.8	1.8
161°	1.9	1.7	2.1	2.2	2.2	2.2	2.1	2.0	1.9	1.9	1.9
161.5°	1.9	1.7	2.1	2.2	2.2	2.2	2.1	2.0	1.9	1.9	1.9
162°	1.8	1.7	2.0	2.2	2.2	2.2	2.1	2.0	2.0	1.9	1.9
162.5°	1.7	1.7	2.0	2.2	2.2	2.2	2.1	2.1	2.0	1.9	2.0
163°	1.7	1.7	2.0	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0
163.5°	1.7	1.7	2.0	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0
164°	1.6	1.6	2.0	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
164.5°	1.6	1.6	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1
165°	1.6	1.6	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1
165.5°	1.6	1.6	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2
166°	1.6	1.6	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
166.5°	1.6	1.6	1.8	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
167°	1.5	1.5	1.7	2.1	2.2	2.2	2.3	2.2	2.2	2.2	2.2
167.5°	1.3	1.3	1.7	2.1	2.2	2.2	2.3	2.2	2.2	2.2	2.2
168°	1.3	1.3	1.7	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
168.5°	1.3	1.3	1.6	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.2
169°	1.3	1.3	1.4	1.9	2.0	2.2	2.2	2.2	2.2	2.2	2.2
169.5°	1.3	1.3	1.3	1.8	1.9	2.2	2.2	2.2	2.2	2.2	2.2
170°	1.3	1.3	1.3	1.5	1.9	2.1	2.2	2.2	2.2	2.2	2.2
170.5°	1.3	1.3	1.3	1.4	1.9	2.0	2.1	2.2	2.2	2.2	2.2
171°	1.3	1.3	1.3	1.4	1.9	1.9	2.1	2.2	2.2	2.2	2.2
171.5°	1.3	1.3	1.3	1.4	1.8	1.9	2.1	2.1	2.1	2.2	2.2
172°	1.3	1.3	1.3	1.4	1.8	1.9	2.1	2.1	2.1	2.1	2.1
172.5°	1.3	1.3	1.3	1.4	1.8	1.8	2.1	2.1	2.1	2.1	2.1
173°	1.3	1.3	1.3	1.4	1.6	1.8	2.1	2.1	2.1	2.1	2.1
173.5°	1.3	1.3	1.3	1.4	1.4	1.8	2.0	2.1	2.1	2.1	2.1
174°	1.3	1.3	1.3	1.4	1.4	1.8	1.9	2.1	2.1	2.1	1.9
174.5°	1.3	1.3	1.3	1.4	1.4	1.7	1.8	2.1	2.1	2.1	1.9
175°	1.3	1.3	1.3	1.3	1.4	1.5	1.8	2.0	2.1	2.1	1.9
175.5°	1.3	1.3	1.3	1.3	1.3	1.4	1.8	1.9	2.1	1.9	1.8
176°	1.3	1.3	1.3	1.3	1.4	1.4	1.6	1.8	2.0	1.8	1.8
176.5°	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.8	1.9	1.8	1.5
177°	1.4	1.3	1.3	1.4	1.3	1.3	1.4	1.7	1.7	1.8	1.4
177.5°	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.6	1.6	1.7	1.4
178°	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.6	1.5	1.4	1.4
178.5°	1.7	1.6	1.5	1.4	1.4	1.4	1.3	1.4	1.4	1.2	1.3



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CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4
0.5°	888.3	892.1	894.0	891.1	892.0	889.9	892.0	891.8	894.2	873.3	901.1
1°	890.2	890.5	892.6	890.0	891.0	890.4	890.8	891.6	890.1	882.8	899.9
1.5°	889.4	890.9	894.1	890.7	890.3	888.2	891.7	891.6	886.2	884.5	903.0
2°	892.3	891.5	891.7	888.5	890.0	888.2	891.0	889.5	888.5	882.4	897.5
2.5°	889.4	889.6	888.2	888.3	889.2	888.4	889.5	888.1	888.9	882.9	897.5
3°	887.9	889.5	889.9	886.8	888.5	888.1	884.9	888.7	889.6	887.2	897.4
3.5°	886.4	876.9	887.4	887.1	886.9	886.1	887.2	887.3	885.7	879.7	896.2
4°	885.4	883.4	887.3	885.9	886.9	884.4	887.2	885.1	886.9	878.0	895.3
4.5°	885.8	888.1	886.7	884.5	885.8	886.5	885.1	884.5	885.3	875.0	899.8
5°	884.0	897.7	886.7	883.4	883.8	881.0	885.6	882.8	883.2	878.3	895.4
5.5°	883.3	884.5	886.0	882.2	882.3	880.7	885.3	882.7	885.1	876.5	892.2
6°	882.4	882.5	881.5	881.0	882.2	880.8	881.6	882.6	881.9	874.6	890.3
6.5°	880.4	881.3	881.5	879.7	879.7	878.8	880.1	878.7	880.0	873.9	890.3
7°	878.8	882.3	880.6	879.0	878.3	877.9	884.0	878.0	879.3	871.0	889.1
7.5°	877.1	877.8	878.5	876.8	877.0	875.7	887.2	876.8	877.3	870.8	886.1
8°	875.3	876.7	876.0	874.7	875.0	872.4	873.9	875.1	875.0	869.8	885.1
8.5°	873.7	874.5	873.8	873.3	872.7	870.3	874.1	871.8	873.3	869.1	882.0
9°	872.1	872.4	872.2	870.7	870.7	868.5	872.0	874.9	871.3	862.4	878.4
9.5°	869.9	870.7	870.4	868.1	869.2	866.6	870.1	866.9	869.8	865.6	882.5
10°	866.2	868.5	868.1	867.2	866.9	865.9	866.7	866.7	876.1	861.8	884.2
10.5°	865.4	866.5	865.8	864.5	864.5	863.8	864.8	864.9	865.6	858.5	873.7
11°	862.5	863.0	863.1	861.9	862.3	860.5	862.6	861.5	860.5	856.0	869.0
11.5°	860.2	861.3	861.3	860.1	859.6	859.5	856.9	858.9	858.3	852.9	869.3
12°	858.1	858.7	858.8	856.6	857.2	856.0	856.8	856.7	855.8	850.4	867.6
12.5°	855.5	855.5	855.8	853.6	854.3	854.0	853.6	858.6	856.8	850.6	867.8
13°	852.3	852.8	852.7	852.1	850.9	851.9	852.1	851.3	851.8	837.8	860.9
13.5°	849.3	849.7	850.2	848.1	849.0	847.7	849.6	848.3	848.6	846.2	859.7
14°	846.2	847.3	846.6	844.7	845.6	843.6	844.9	847.1	846.0	833.6	856.4
14.5°	843.7	843.3	842.2	842.3	842.8	841.1	842.2	843.7	843.1	829.9	853.5
15°	840.8	841.2	841.7	839.5	839.2	838.0	840.9	839.9	839.3	834.7	850.4
15.5°	837.1	837.3	837.0	836.1	835.9	834.1	837.0	835.9	836.7	832.2	850.6
16°	834.3	836.2	833.5	832.6	832.8	832.8	832.2	832.8	834.1	826.4	843.2
16.5°	829.8	829.2	830.4	827.8	829.4	829.5	828.1	829.3	829.0	825.7	839.4
17°	826.8	827.7	826.4	826.5	826.1	824.4	828.3	825.5	827.2	822.2	837.8
17.5°	823.7	824.4	824.9	822.0	822.5	820.1	823.9	827.2	822.4	815.9	831.7
18°	819.3	820.2	820.4	819.0	818.5	817.2	819.5	818.9	820.4	813.8	828.4
18.5°	815.5	816.4	818.3	794.2	814.9	813.5	813.8	813.0	815.9	810.4	825.8
19°	811.6	792.2	812.1	815.2	810.0	809.2	810.6	810.8	811.2	805.7	822.0
19.5°	807.9	809.8	807.3	809.0	805.9	805.4	807.5	805.7	807.9	802.1	817.2
20°	804.1	804.3	803.2	798.1	802.9	801.2	803.5	802.9	803.7	799.5	813.0
20.5°	799.6	799.4	799.9	798.2	798.1	797.1	799.3	797.3	801.0	793.3	810.6
21°	794.9	801.1	795.5	793.9	795.1	793.1	793.9	795.3	791.5	792.8	803.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	781.9	781.1	783.3	780.5	781.2	779.9	780.7	781.2	782.9	777.8	792.8
23°	778.1	777.6	776.4	775.7	777.1	775.2	778.2	776.9	778.3	773.2	787.1
23.5°	764.4	774.6	773.2	775.0	771.9	770.2	770.9	773.1	772.6	766.4	783.1
24°	766.9	772.0	768.9	767.0	767.9	765.6	767.8	767.1	771.7	759.5	778.3
24.5°	762.4	763.2	761.5	762.5	762.3	761.1	762.9	762.5	764.4	757.6	773.6
25°	757.9	757.7	758.1	757.5	757.6	756.1	757.3	757.7	759.3	752.0	768.2
25.5°	752.0	752.5	753.8	751.7	753.0	751.2	751.8	752.3	750.9	748.9	763.4
26°	747.4	748.4	749.4	747.4	747.4	746.0	747.4	749.1	748.8	742.5	757.7
26.5°	741.7	741.5	743.0	741.1	742.1	740.5	742.6	742.2	746.1	738.7	752.8
27°	737.1	736.3	735.1	738.0	737.3	735.2	737.3	738.3	735.9	733.2	747.7
27.5°	731.3	732.8	734.4	731.8	731.6	729.9	731.7	732.4	733.2	727.7	742.7
28°	725.7	727.4	726.9	726.3	726.7	725.7	725.8	726.6	729.9	722.5	736.7
28.5°	720.6	719.9	722.7	721.4	721.2	718.5	720.7	720.8	719.9	715.0	731.4
29°	715.0	714.5	715.2	715.3	715.6	717.2	715.0	720.2	714.7	710.7	724.5
29.5°	708.6	710.8	710.6	707.1	709.5	708.7	709.2	709.6	710.3	706.5	731.5
30°	693.5	703.6	704.1	703.4	704.2	702.9	704.2	704.2	705.5	701.0	709.4
30.5°	691.4	696.3	699.2	698.8	698.7	696.6	698.1	698.1	700.0	697.7	708.3
31°	688.5	693.2	692.4	692.1	693.2	691.3	692.2	693.1	693.9	689.2	703.1
31.5°	684.8	687.7	686.7	687.5	687.1	685.1	686.2	687.6	687.4	681.9	698.0
32°	679.9	679.9	680.6	681.7	681.0	679.6	680.3	680.5	682.0	677.6	691.7
32.5°	671.9	673.2	675.0	677.1	674.9	673.9	674.0	675.3	676.5	671.6	687.0
33°	665.7	666.0	668.4	668.1	669.0	667.8	668.7	668.5	669.9	664.6	679.3
33.5°	660.8	661.4	662.7	663.0	663.3	661.8	661.2	662.8	662.6	660.1	673.1
34°	653.5	652.7	658.1	656.5	657.0	655.2	657.0	657.6	657.6	653.9	666.9
34.5°	645.9	647.9	650.5	649.5	650.9	649.8	650.1	652.2	651.4	646.4	660.5
35°	639.8	641.5	643.6	643.1	644.6	642.8	644.0	643.5	645.5	641.8	654.2
35.5°	632.4	636.2	641.9	637.0	638.4	637.0	637.9	638.6	638.9	635.4	648.6
36°	626.5	628.2	632.5	631.7	631.8	631.6	631.7	633.1	630.7	629.6	641.8
36.5°	620.2	616.8	623.9	624.6	625.0	624.8	625.1	625.1	627.0	622.8	634.6
37°	610.4	615.3	617.6	618.6	619.2	618.2	618.7	619.4	617.7	616.8	628.3
37.5°	605.0	608.3	610.8	611.3	612.6	611.7	612.2	614.8	613.7	609.6	622.5
38°	600.2	597.7	604.6	605.4	605.7	604.2	605.7	605.5	612.5	604.6	616.5
38.5°	595.3	597.4	598.2	599.4	599.6	598.2	598.6	600.2	599.1	596.6	608.9
39°	583.3	591.0	591.8	592.2	593.1	592.0	593.2	593.2	599.1	591.3	602.1
39.5°	579.5	582.3	584.0	585.5	586.4	585.8	586.3	587.5	587.9	583.0	598.6
40°	568.8	573.4	577.2	578.6	579.9	578.6	579.8	581.1	581.5	577.3	587.3
40.5°	565.5	569.5	570.9	571.3	573.3	571.9	572.7	572.9	573.4	570.2	582.4
41°	556.8	560.0	562.9	561.5	566.3	565.0	566.1	566.3	568.0	561.4	571.9
41.5°	551.0	552.1	555.9	557.7	559.5	559.5	559.5	559.6	560.6	558.7	565.7
42°	542.6	547.3	550.8	551.9	553.2	551.7	552.6	555.1	554.6	551.9	561.8
42.5°	535.4	540.0	543.3	544.2	545.3	545.7	545.9	544.8	546.9	543.6	555.8
43°	528.1	531.1	534.7	538.8	539.2	538.4	538.8	539.4	536.0	537.9	548.4
43.5°	521.4	526.9	528.0	529.7	532.0	531.1	532.3	533.7	533.4	529.8	543.7



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	498.9	505.2	506.7	509.0	511.6	511.0	511.7	511.6	512.8	511.1	520.4
45.5°	492.3	497.8	501.2	504.6	504.7	503.2	504.9	505.2	507.0	502.6	514.7
46°	485.0	490.4	493.6	494.9	497.8	497.4	497.6	498.4	499.5	495.7	507.9
46.5°	477.0	482.7	486.9	488.8	490.5	490.6	491.9	491.6	492.5	488.3	497.6
47°	470.4	477.1	479.4	481.3	483.8	483.8	484.1	483.8	484.9	483.0	491.1
47.5°	464.0	468.2	472.7	480.1	476.8	476.7	477.4	477.8	478.5	476.5	486.3
48°	456.2	460.8	466.2	468.4	470.1	469.8	469.7	470.7	472.3	471.9	477.5
48.5°	448.9	454.6	459.1	460.4	463.1	463.0	464.7	464.3	465.3	460.8	470.8
49°	442.4	446.5	450.2	452.4	456.1	455.8	456.6	457.2	457.4	456.1	465.7
49.5°	435.1	439.2	445.2	450.2	449.2	449.6	449.8	450.1	451.0	449.7	457.8
50°	427.8	432.5	438.4	440.7	442.6	442.4	442.7	443.2	444.1	441.6	452.2
50.5°	420.6	425.5	431.1	432.0	435.5	435.9	435.8	436.7	436.7	436.8	442.7
51°	413.8	418.7	423.2	426.5	428.4	428.6	430.1	430.2	430.1	426.1	436.1
51.5°	406.0	411.3	416.7	418.8	421.7	421.3	424.2	422.6	423.2	420.5	429.0
52°	399.6	404.4	410.5	412.2	414.7	414.6	415.9	416.2	416.7	415.5	422.5
52.5°	393.1	397.4	403.9	407.5	408.0	408.5	408.4	409.0	409.3	406.6	415.0
53°	386.1	390.9	397.0	399.6	400.9	402.3	401.4	401.7	402.4	401.8	409.4
53.5°	379.3	383.8	389.8	391.6	393.9	395.2	394.6	395.1	395.1	393.7	401.9
54°	371.7	376.8	382.2	384.5	387.4	387.7	389.5	388.4	388.8	387.1	393.8
54.5°	366.0	369.9	374.6	378.7	380.2	380.4	381.4	381.3	382.1	380.1	389.6
55°	358.4	363.8	369.2	371.9	373.7	373.9	374.1	374.6	375.3	373.7	380.0
55.5°	352.0	356.6	361.2	366.2	366.9	367.0	366.4	367.4	369.2	366.4	374.8
56°	345.0	349.9	355.3	358.5	360.2	362.7	360.0	360.9	361.6	359.7	366.4
56.5°	338.7	343.4	348.3	351.5	353.4	353.7	354.9	353.9	355.1	353.8	359.7
57°	332.4	336.5	342.8	344.3	346.4	346.6	347.0	347.1	346.8	346.4	354.6
57.5°	325.5	329.9	334.3	337.6	339.9	338.9	339.4	340.2	341.1	341.4	347.3
58°	319.1	323.5	328.4	331.6	332.8	333.5	333.1	333.8	334.5	333.0	336.8
58.5°	312.4	316.5	321.8	325.2	326.3	327.7	326.6	327.9	327.3	326.2	332.7
59°	306.1	310.2	314.4	317.5	319.9	320.5	320.2	320.0	320.0	319.5	326.2
59.5°	300.0	301.1	309.4	310.5	313.2	312.8	312.6	313.4	313.5	312.7	320.4
60°	293.7	297.2	301.7	304.2	307.0	306.2	305.8	307.8	307.3	307.0	313.6
60.5°	287.3	291.1	296.9	297.4	299.8	300.9	300.0	299.9	300.3	300.2	306.6
61°	281.0	284.9	287.5	291.5	292.7	293.9	293.3	292.0	293.8	293.3	300.1
61.5°	274.9	278.7	283.4	284.7	286.4	286.3	286.3	286.6	287.6	287.3	291.8
62°	268.8	272.2	276.4	278.3	279.8	280.0	279.8	279.8	280.7	280.4	286.9
62.5°	262.9	266.0	269.8	271.6	274.2	273.8	273.2	273.5	275.0	273.8	279.1
63°	256.6	260.0	263.5	265.2	267.2	267.1	266.3	266.5	267.8	267.3	273.3
63.5°	250.8	253.9	257.3	258.1	260.7	260.0	260.0	259.8	261.1	260.9	266.5
64°	244.9	247.8	250.8	253.7	254.5	254.0	253.2	254.2	256.1	254.2	260.4
64.5°	239.0	241.8	245.1	248.6	248.0	247.7	246.8	248.3	248.3	248.2	254.6
65°	233.2	236.0	238.9	241.1	241.3	240.8	240.3	240.7	241.1	241.9	246.6
65.5°	227.6	230.0	232.8	234.5	234.9	234.4	234.7	234.2	235.6	235.3	240.5
66°	221.6	224.3	226.7	228.2	229.1	228.2	227.5	227.6	229.3	229.1	234.5



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	204.9	207.0	209.1	209.8	210.0	208.8	208.2	208.7	209.9	209.2	216.0
68°	199.6	201.4	203.1	204.7	204.1	202.9	202.0	202.2	203.7	204.2	209.8
68.5°	194.0	195.7	197.4	197.9	197.9	196.5	195.7	196.2	197.2	198.0	203.7
69°	188.7	190.2	191.8	192.1	191.8	190.4	189.4	189.8	190.9	191.3	197.9
69.5°	183.4	184.7	185.8	186.0	185.5	183.9	183.0	183.0	184.4	185.4	191.1
70°	178.0	179.4	180.1	180.3	180.1	178.2	176.8	177.2	178.1	179.0	185.3
70.5°	172.7	173.8	174.6	174.4	173.8	171.8	170.6	171.1	172.3	174.3	179.2
71°	167.4	168.6	169.1	169.0	167.8	166.0	164.9	164.7	166.7	167.5	173.0
71.5°	162.3	163.3	164.0	163.5	162.1	160.4	158.6	158.9	160.4	161.6	168.3
72°	157.4	158.1	158.4	157.9	156.1	153.9	152.7	152.7	154.3	155.7	161.7
72.5°	152.3	153.1	152.7	152.2	150.4	148.0	146.4	146.9	147.9	150.0	154.8
73°	147.4	147.7	148.0	146.7	144.7	142.2	140.5	141.2	142.1	144.4	149.9
73.5°	142.6	142.8	142.3	141.2	139.3	136.2	134.7	135.5	136.4	138.8	144.5
74°	137.5	137.7	137.4	135.7	133.4	130.2	128.6	129.8	130.7	133.3	139.0
74.5°	132.9	132.8	132.4	130.4	128.0	124.9	122.8	124.0	125.0	127.7	133.6
75°	128.3	128.0	127.0	125.2	122.5	119.2	117.0	118.2	119.7	122.1	128.2
75.5°	123.7	123.2	122.5	120.0	117.2	114.0	111.4	112.1	113.9	116.5	122.7
76°	118.9	118.5	118.3	115.0	111.7	108.0	105.8	106.3	108.2	111.4	117.2
76.5°	114.4	113.7	112.7	109.8	106.6	102.9	100.2	100.9	102.6	105.3	111.9
77°	109.9	109.2	107.7	104.9	101.4	97.5	94.7	95.3	97.5	100.0	106.6
77.5°	105.5	104.6	102.8	99.9	96.2	91.7	89.3	89.8	91.5	94.7	101.5
78°	101.2	100.1	98.3	94.9	91.3	87.0	84.0	84.3	86.5	89.5	96.7
78.5°	97.0	95.8	93.6	90.3	86.5	81.9	78.9	79.1	80.9	84.4	91.3
79°	92.8	91.4	89.0	85.7	81.5	77.0	73.7	73.8	75.8	79.3	86.8
79.5°	88.6	87.2	84.6	81.1	76.8	72.0	68.6	68.7	70.5	74.4	81.4
80°	84.8	83.0	80.3	76.5	72.0	67.2	63.7	63.4	65.7	69.5	75.9
80.5°	80.9	79.0	76.3	72.2	67.6	62.6	58.6	58.7	61.0	64.9	72.3
81°	77.0	75.1	72.1	68.0	63.2	58.9	54.4	54.1	56.3	60.3	67.4
81.5°	73.4	71.3	68.0	63.8	58.5	54.6	50.2	49.3	51.5	56.0	63.4
82°	69.8	67.6	64.5	59.7	54.7	50.3	46.0	44.7	47.1	51.5	58.5
82.5°	66.3	64.0	60.7	56.2	50.9	46.0	41.7	40.4	42.8	47.3	54.3
83°	62.9	60.6	57.4	52.7	47.2	41.7	37.6	36.3	38.5	43.0	50.2
83.5°	59.4	57.5	54.1	49.1	43.4	37.9	33.7	32.3	34.6	39.2	46.3
84°	56.6	54.5	50.9	45.6	39.8	34.1	29.9	28.5	30.9	35.5	42.6
84.5°	53.8	51.4	47.6	42.1	36.4	30.5	26.3	24.8	27.1	32.0	39.0
85°	51.0	48.4	44.4	38.9	33.0	27.0	22.8	21.4	23.7	28.4	35.5
85.5°	48.2	45.4	41.4	35.9	29.9	23.8	19.5	18.5	20.4	25.4	32.1
86°	45.4	42.5	38.5	32.9	26.9	20.8	16.3	15.5	17.7	22.1	29.0
86.5°	42.7	39.8	35.6	30.2	24.1	18.0	13.5	12.6	15.0	19.2	26.0
87°	40.1	37.2	32.9	27.6	21.5	15.5	10.8	9.7	12.3	16.9	23.2
87.5°	37.7	34.7	30.5	25.1	19.1	13.1	8.5	6.8	9.7	14.6	20.4
88°	35.2	32.3	28.1	22.8	16.9	11.0	6.3	4.6	7.0	12.3	18.2
88.5°	32.9	30.0	25.8	20.6	14.8	9.1	5.1	2.9	5.1	10.0	16.0



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	26.6	23.8	19.9	14.9	9.8	5.2	1.5	0.2	1.6	4.7	9.5
90.5°	24.9	22.0	18.1	13.3	8.4	4.3	1.0	0.2	1.0	3.7	8.0
91°	23.0	20.2	16.4	11.9	7.2	3.4	0.7	0.2	0.7	2.8	6.6
91.5°	21.3	18.6	14.9	10.5	6.1	2.5	0.5	0.2	0.6	2.2	5.5
92°	19.7	17.1	13.5	9.3	5.4	2.0	0.4	0.2	0.5	1.8	4.5
92.5°	18.1	15.6	12.1	8.2	4.6	1.6	0.3	0.2	0.4	1.5	3.8
93°	16.7	14.2	10.9	7.2	3.9	1.3	0.3	0.1	0.4	1.4	3.2
93.5°	15.3	12.9	9.8	6.3	3.2	1.1	0.2	0.1	0.4	1.3	2.8
94°	14.1	11.8	8.8	5.7	2.7	1.0	0.2	0.1	0.4	1.2	2.6
94.5°	12.9	10.8	7.8	5.0	2.4	0.8	0.2	0.2	0.4	1.2	2.4
95°	11.8	9.7	7.0	4.4	2.1	0.8	0.2	0.2	0.4	1.2	2.3
95.5°	10.8	8.8	6.3	3.8	1.9	0.7	0.3	0.2	0.4	1.1	2.2
96°	9.9	8.0	5.7	3.4	1.7	0.6	0.3	0.2	0.4	1.1	2.1
96.5°	9.0	7.2	5.2	3.0	1.5	0.5	0.3	0.3	0.3	1.1	2.0
97°	8.2	6.6	4.7	2.7	1.4	0.5	0.3	0.3	0.3	1.0	2.0
97.5°	7.5	6.1	4.1	2.5	1.3	0.5	0.3	0.3	0.3	1.0	2.0
98°	6.9	5.6	3.8	2.3	1.2	0.5	0.3	0.4	0.3	1.0	1.9
98.5°	6.3	5.1	3.5	2.2	1.1	0.5	0.3	0.4	0.3	1.0	1.9
99°	5.9	4.6	3.2	2.0	1.0	0.5	0.4	0.4	0.3	1.0	1.9
99.5°	5.4	4.2	3.0	1.9	0.9	0.5	0.4	0.4	0.4	1.0	1.9
100°	5.0	3.9	2.9	1.8	0.9	0.5	0.4	0.5	0.4	1.0	1.8
100.5°	4.6	3.7	2.7	1.7	0.8	0.5	0.5	0.5	0.4	1.0	1.8
101°	4.3	3.5	2.6	1.5	0.8	0.6	0.5	0.5	0.4	1.0	1.8
101.5°	4.1	3.4	2.5	1.5	0.8	0.6	0.6	0.6	0.5	1.0	1.8
102°	3.9	3.2	2.3	1.4	0.8	0.6	0.6	0.6	0.5	1.0	1.8
102.5°	3.7	3.0	2.2	1.3	0.8	0.7	0.7	0.7	0.6	1.0	1.8
103°	3.5	2.9	2.1	1.2	0.8	0.7	0.7	0.7	0.7	1.0	1.8
103.5°	3.4	2.8	2.0	1.2	0.8	0.7	0.8	0.8	0.7	1.0	1.8
104°	3.2	2.6	1.9	1.1	0.8	0.8	0.8	0.9	0.8	0.9	1.8
104.5°	3.1	2.5	1.8	1.1	0.9	0.8	0.8	1.0	0.8	0.9	1.8
105°	2.9	2.4	1.7	1.1	0.9	0.8	0.9	1.0	0.9	0.9	1.8
105.5°	2.8	2.2	1.6	1.1	0.9	0.9	0.9	1.0	0.9	1.0	1.8
106°	2.6	2.1	1.5	1.1	1.0	0.9	1.1	1.1	1.0	1.0	1.8
106.5°	2.5	2.0	1.5	1.1	1.0	0.9	1.2	1.2	1.2	1.0	1.8
107°	2.4	1.9	1.4	1.1	1.1	0.9	1.4	1.2	1.4	1.0	1.8
107.5°	2.3	1.8	1.4	1.1	1.1	1.0	1.4	1.3	1.4	1.0	1.8
108°	2.1	1.8	1.3	1.1	1.1	1.0	1.4	1.3	1.3	1.0	1.8
108.5°	2.1	1.7	1.3	1.1	1.1	1.0	1.4	1.3	1.3	1.0	1.7
109°	2.0	1.6	1.3	1.2	1.0	1.0	1.4	1.4	1.3	1.1	1.6
109.5°	1.9	1.6	1.3	1.2	1.0	1.1	1.4	1.4	1.3	1.1	1.6
110°	1.8	1.5	1.3	1.2	1.1	1.1	1.4	1.4	1.3	1.1	1.6
110.5°	1.7	1.5	1.3	1.2	1.1	1.1	1.5	1.4	1.3	1.2	1.5
111°	1.6	1.4	1.3	1.2	1.2	1.2	1.5	1.5	1.4	1.2	1.5



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	1.5	1.4	1.4	1.3	1.2	1.3	1.5	1.5	1.4	1.3	1.4
113°	1.5	1.4	1.4	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.4
113.5°	1.5	1.5	1.5	1.1	1.3	1.4	1.6	1.6	1.4	1.4	1.4
114°	1.5	1.5	1.5	1.1	1.3	1.4	1.6	1.6	1.4	1.4	1.3
114.5°	1.5	1.5	1.5	1.1	1.3	1.4	1.6	1.6	1.4	1.4	1.2
115°	1.5	1.5	1.5	1.1	1.3	1.4	1.6	1.6	1.4	1.5	1.2
115.5°	1.5	1.6	1.5	1.2	1.3	1.5	1.6	1.6	1.4	1.5	1.2
116°	1.6	1.6	1.5	1.2	1.3	1.5	1.6	1.6	1.4	1.5	1.2
116.5°	1.6	1.6	1.4	1.2	1.4	1.5	1.6	1.6	1.4	1.5	1.2
117°	1.6	1.6	1.3	1.3	1.4	1.6	1.6	1.6	1.4	1.5	1.2
117.5°	1.7	1.6	1.3	1.3	1.4	1.8	1.6	1.5	1.4	1.6	1.3
118°	1.7	1.7	1.3	1.3	1.4	1.9	1.6	1.5	1.4	1.7	1.3
118.5°	1.7	1.7	1.3	1.4	1.5	1.9	1.6	1.5	1.4	1.9	1.3
119°	1.7	1.6	1.3	1.4	1.5	1.9	1.6	1.5	1.4	2.0	1.3
119.5°	1.7	1.5	1.3	1.4	1.5	1.9	1.6	1.5	1.4	2.0	1.4
120°	1.8	1.4	1.3	1.4	1.6	1.9	1.6	1.5	1.4	1.9	1.4
120.5°	1.8	1.3	1.4	1.5	1.6	1.8	1.7	1.5	1.4	1.8	1.4
121°	1.7	1.3	1.4	1.5	1.6	1.8	1.7	1.5	1.5	1.8	1.4
121.5°	1.6	1.3	1.4	1.5	1.6	1.8	1.7	1.5	1.5	1.8	1.5
122°	1.4	1.4	1.5	1.5	1.7	1.7	1.7	1.6	1.5	1.8	1.5
122.5°	1.4	1.4	1.5	1.6	1.7	1.8	1.8	1.6	1.5	1.8	1.5
123°	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.6	1.5	1.8	1.6
123.5°	1.3	1.4	1.5	1.6	1.8	1.8	1.8	1.6	1.5	1.8	1.6
124°	1.4	1.5	1.6	1.7	1.8	1.8	1.8	1.6	1.6	1.9	1.6
124.5°	1.4	1.5	1.6	1.7	1.9	1.9	1.8	1.6	1.6	1.9	1.6
125°	1.4	1.5	1.6	1.7	1.9	1.9	1.8	1.6	1.6	1.9	1.7
125.5°	1.4	1.5	1.6	1.7	2.0	1.9	1.9	1.6	1.6	1.9	1.7
126°	1.5	1.6	1.7	1.8	2.1	1.9	1.9	1.6	1.6	1.9	1.7
126.5°	1.5	1.6	1.7	1.8	2.2	1.9	1.9	1.6	1.6	1.9	1.8
127°	1.5	1.6	1.7	1.8	2.3	1.9	1.9	1.6	1.6	1.9	1.9
127.5°	1.5	1.6	1.8	1.9	2.3	1.9	1.9	1.6	1.6	1.9	2.0
128°	1.6	1.7	1.8	1.9	2.4	1.9	1.9	1.7	1.6	1.9	2.2
128.5°	1.6	1.7	1.8	1.9	2.3	1.8	1.9	1.7	1.7	1.8	2.3
129°	1.6	1.7	1.8	1.9	2.3	1.8	1.9	1.7	1.7	1.8	2.3
129.5°	1.7	1.7	1.8	2.0	2.3	1.8	1.9	1.7	1.7	1.8	2.3
130°	1.7	1.8	1.9	2.0	2.2	1.8	1.9	1.7	1.7	1.8	2.1
130.5°	1.7	1.8	1.9	2.0	2.2	1.8	1.9	1.7	1.7	1.8	2.1
131°	1.7	1.8	1.9	2.1	2.2	1.8	1.9	1.7	1.7	1.8	2.1
131.5°	1.8	1.8	1.9	2.1	2.2	1.8	1.9	1.7	1.7	1.8	2.1
132°	1.8	1.9	2.0	2.2	2.2	1.8	1.9	1.7	1.7	1.8	2.1
132.5°	1.8	1.9	2.0	2.4	2.2	1.8	2.0	1.7	1.7	1.8	2.1
133°	1.8	1.9	2.0	2.5	2.1	1.8	2.0	1.8	1.7	1.8	2.1
133.5°	1.9	1.9	2.0	2.6	2.1	1.8	2.0	1.8	1.7	1.8	2.1



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	1.9	2.0	2.1	2.9	2.2	1.9	2.0	1.8	1.8	1.8	2.2
135.5°	2.0	2.0	2.2	2.9	2.2	1.9	2.0	1.8	1.8	1.8	2.2
136°	2.0	2.1	2.2	2.8	2.2	1.9	2.0	1.8	1.8	1.8	2.2
136.5°	2.0	2.1	2.3	2.7	2.2	1.9	2.0	1.8	1.8	1.9	2.2
137°	2.0	2.1	2.4	2.6	2.2	2.0	2.1	1.8	1.8	1.9	2.2
137.5°	2.0	2.1	2.5	2.5	2.2	2.0	2.1	1.8	1.8	1.9	2.2
138°	2.1	2.2	2.7	2.5	2.2	2.0	2.1	1.8	1.8	1.9	2.2
138.5°	2.1	2.2	2.8	2.5	2.2	2.1	2.1	1.8	1.8	2.0	2.2
139°	2.1	2.2	3.0	2.5	2.1	2.1	2.1	1.8	1.8	2.0	2.2
139.5°	2.1	2.3	3.1	2.5	2.1	2.1	2.1	1.9	1.9	2.0	2.1
140°	2.2	2.4	3.1	2.5	2.0	2.1	2.1	1.9	1.9	2.0	2.1
140.5°	2.2	2.5	3.0	2.5	2.0	2.1	2.2	1.9	1.9	2.1	2.1
141°	2.2	2.6	2.9	2.5	1.9	2.2	2.2	1.9	1.9	2.1	2.1
141.5°	2.3	2.7	2.8	2.6	1.9	2.2	2.2	1.9	1.9	2.1	2.1
142°	2.4	2.9	2.7	2.6	1.9	2.2	2.2	1.9	1.9	2.1	2.1
142.5°	2.4	3.0	2.6	2.6	1.9	2.2	2.2	1.9	1.9	2.2	2.0
143°	2.6	3.1	2.6	2.5	1.9	2.2	2.1	1.9	1.9	2.2	2.0
143.5°	2.7	3.1	2.6	2.5	1.9	2.2	2.1	1.9	1.9	2.2	2.0
144°	2.9	3.0	2.5	2.4	2.0	2.2	2.1	2.0	1.9	2.2	2.0
144.5°	3.0	2.9	2.5	2.4	2.0	2.2	2.1	2.0	1.9	2.2	2.0
145°	3.2	2.8	2.6	2.3	2.0	2.2	2.0	1.9	1.9	2.2	2.0
145.5°	3.2	2.7	2.6	2.3	2.0	2.2	2.0	1.9	1.9	2.3	2.1
146°	3.1	2.6	2.6	2.2	2.0	2.3	2.0	1.9	1.9	2.3	2.1
146.5°	3.0	2.6	2.6	2.1	2.0	2.3	2.0	1.9	1.9	2.3	2.1
147°	2.9	2.6	2.6	2.1	2.0	2.3	2.0	1.9	1.9	2.3	2.1
147.5°	2.8	2.6	2.6	2.0	2.0	2.3	2.0	2.0	1.9	2.3	2.1
148°	2.7	2.6	2.5	2.0	2.1	2.3	2.0	2.0	1.9	2.3	2.2
148.5°	2.6	2.6	2.4	1.9	2.1	2.3	2.1	2.0	1.9	2.3	2.2
149°	2.6	2.6	2.4	1.9	2.1	2.3	2.1	2.0	1.9	2.3	2.2
149.5°	2.6	2.6	2.3	1.9	2.1	2.3	2.0	2.0	1.9	2.3	2.2
150°	2.6	2.6	2.2	1.9	2.1	2.2	2.0	2.0	1.9	2.3	2.2
150.5°	2.6	2.6	2.1	1.9	2.1	2.2	2.0	2.0	1.9	2.3	2.3
151°	2.6	2.5	2.1	1.9	2.2	2.2	2.0	2.0	1.9	2.3	2.3
151.5°	2.6	2.4	2.0	1.9	2.2	2.3	2.0	2.0	1.9	2.3	2.3
152°	2.6	2.4	1.9	1.9	2.2	2.3	2.1	2.0	1.9	2.3	2.3
152.5°	2.6	2.3	1.9	2.0	2.2	2.3	2.1	2.0	1.9	2.3	2.3
153°	2.5	2.2	1.9	2.0	2.2	2.3	2.0	1.9	1.9	2.3	2.3
153.5°	2.4	2.1	1.9	2.0	2.2	2.3	2.0	1.9	1.9	2.3	2.4
154°	2.3	2.0	1.9	2.0	2.2	2.3	2.0	1.9	1.9	2.3	2.4
154.5°	2.2	1.9	1.9	2.0	2.2	2.2	2.0	1.9	1.8	2.3	2.4
155°	2.1	1.9	1.9	2.1	2.2	2.2	2.0	1.9	1.8	2.3	2.4
155.5°	2.0	1.9	1.9	2.1	2.3	2.2	2.0	1.9	1.8	2.3	2.4
156°	2.0	1.8	1.9	2.1	2.3	2.2	2.0	1.9	1.8	2.3	2.4



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	1.8	1.9	2.0	2.2	2.3	2.2	2.0	1.9	1.7	2.1	2.3
158°	1.8	1.9	2.0	2.2	2.2	2.2	2.0	1.8	1.7	2.0	2.2
158.5°	1.8	1.9	2.0	2.2	2.2	2.2	2.0	1.8	1.6	1.8	2.3
159°	1.9	1.9	2.1	2.2	2.2	2.2	2.0	1.9	1.6	1.9	2.3
159.5°	1.9	2.0	2.1	2.2	2.2	2.2	2.0	1.9	1.6	2.0	2.2
160°	1.9	2.0	2.1	2.2	2.3	2.1	2.0	1.9	1.7	2.0	2.0
160.5°	1.9	2.0	2.1	2.2	2.2	2.1	1.9	1.8	1.7	2.0	1.9
161°	2.0	2.1	2.1	2.2	2.2	2.0	1.7	1.7	1.7	2.0	2.1
161.5°	2.0	2.1	2.2	2.2	2.1	2.0	1.6	1.7	1.7	2.0	2.3
162°	2.0	2.1	2.2	2.2	2.1	1.9	1.6	1.8	1.7	2.0	2.3
162.5°	2.0	2.1	2.2	2.1	2.1	1.8	1.8	1.8	1.7	2.0	2.3
163°	2.1	2.2	2.2	2.1	2.1	1.8	1.9	1.7	1.7	1.9	2.2
163.5°	2.1	2.2	2.2	2.1	2.1	1.8	1.9	1.6	1.7	1.9	2.2
164°	2.1	2.2	2.2	2.2	2.0	1.9	1.9	1.6	1.7	2.0	2.2
164.5°	2.1	2.2	2.2	2.2	1.8	2.0	1.9	1.6	1.7	2.0	2.2
165°	2.2	2.2	2.2	2.2	1.8	2.0	1.9	1.7	1.7	1.9	2.2
165.5°	2.2	2.2	2.1	2.2	1.9	2.0	1.8	1.8	1.6	1.8	2.2
166°	2.2	2.3	2.1	2.0	2.0	2.0	1.7	1.7	1.5	1.8	2.2
166.5°	2.2	2.3	2.2	1.8	2.1	1.9	1.7	1.5	1.4	1.8	2.1
167°	2.2	2.3	2.2	1.8	2.1	1.8	1.6	1.4	1.4	1.7	2.0
167.5°	2.2	2.2	2.2	2.0	1.9	1.7	1.4	1.4	1.4	1.5	1.9
168°	2.2	2.1	2.2	2.1	1.9	1.5	1.4	1.4	1.4	1.4	1.6
168.5°	2.2	2.1	2.2	2.1	1.8	1.4	1.4	1.4	1.4	1.4	1.5
169°	2.2	2.1	2.1	1.9	1.6	1.4	1.4	1.4	1.4	1.4	1.5
169.5°	2.2	2.2	1.8	1.9	1.4	1.4	1.4	1.4	1.4	1.4	1.5
170°	2.2	2.2	1.6	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.5
170.5°	2.1	2.1	1.7	1.5	1.4	1.4	1.3	1.4	1.4	1.4	1.5
171°	2.0	2.0	1.8	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
171.5°	2.0	1.9	1.6	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
172°	2.0	1.9	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
172.5°	1.9	1.6	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
173°	1.9	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
173.5°	1.9	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5
174°	1.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
174.5°	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4
175°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4
175.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
176°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
176.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
177°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
177.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
178°	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.6	1.6	1.5
178.5°	1.3	1.4	1.5	1.5	1.6	1.8	2.0	1.9	1.9	1.9	1.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4	891.4
0.5°	892.5	891.0	891.2	895.7	892.7	891.6	890.5	891.1	892.8	892.4	891.1
1°	895.0	890.4	891.3	892.5	893.1	892.9	890.0	890.3	891.8	890.4	891.0
1.5°	890.9	890.9	890.4	892.0	892.3	890.6	890.6	891.7	891.8	892.5	890.8
2°	889.7	890.1	890.4	892.1	892.4	894.8	890.0	889.2	892.4	892.4	892.8
2.5°	889.7	889.6	889.6	894.2	891.6	891.5	890.3	890.3	892.0	894.1	890.9
3°	888.8	889.2	889.2	890.7	890.6	891.0	888.4	889.9	891.9	892.7	890.3
3.5°	887.8	888.6	888.5	889.0	890.0	889.4	889.7	889.0	890.6	891.3	889.0
4°	887.2	887.1	888.2	890.5	889.0	889.2	888.6	888.5	890.1	889.5	889.7
4.5°	885.7	886.1	886.8	890.9	889.9	889.6	888.4	888.0	889.5	889.7	888.6
5°	884.3	885.7	886.1	887.5	888.5	886.1	887.1	887.0	889.0	889.1	887.6
5.5°	883.5	884.1	884.4	891.2	886.7	888.7	885.0	886.3	887.7	888.8	887.2
6°	882.2	882.7	883.2	885.9	885.3	884.4	885.8	885.5	887.0	887.5	887.3
6.5°	881.2	881.3	882.1	883.2	884.1	882.9	884.2	884.3	885.4	886.6	885.4
7°	879.4	879.8	881.1	882.7	882.5	883.2	882.2	882.2	885.1	885.9	884.4
7.5°	877.7	878.7	879.1	880.5	881.5	883.9	881.8	881.5	883.1	883.7	882.7
8°	876.4	877.0	877.5	880.1	879.8	879.9	878.0	879.8	882.2	882.8	881.7
8.5°	875.0	874.7	875.9	877.6	878.6	875.0	877.3	878.0	880.5	881.0	879.8
9°	872.4	872.9	873.8	875.2	874.8	877.2	874.4	876.8	879.2	879.4	878.4
9.5°	870.3	871.1	871.6	874.5	873.8	876.1	873.5	874.8	877.3	879.1	877.1
10°	868.8	869.3	869.2	872.6	872.3	872.2	872.4	873.5	875.1	880.1	875.7
10.5°	866.3	866.3	868.0	870.3	870.2	870.0	870.5	870.8	873.6	876.1	873.5
11°	863.8	864.4	865.7	869.3	870.3	867.8	869.7	868.9	871.2	889.7	871.1
11.5°	861.2	862.1	863.0	868.1	865.9	865.2	867.3	866.7	869.4	869.4	867.9
12°	858.4	859.6	860.5	862.5	863.7	863.0	864.3	864.9	867.2	867.4	866.8
12.5°	856.5	857.3	858.7	859.0	860.7	859.6	861.5	863.0	864.2	865.3	864.4
13°	853.5	854.7	856.0	858.0	857.5	861.8	860.3	859.8	862.0	862.9	864.0
13.5°	851.1	851.5	852.5	862.9	857.5	852.8	855.1	858.5	859.4	860.7	859.7
14°	847.4	848.8	849.6	852.0	853.2	850.7	853.8	854.6	856.5	857.8	857.4
14.5°	844.8	846.0	846.3	849.3	850.7	852.4	849.9	851.1	854.2	854.6	854.6
15°	842.2	843.2	843.7	846.3	851.6	852.4	847.5	849.2	851.5	852.7	851.7
15.5°	839.2	839.4	840.5	841.2	842.6	844.6	844.1	846.3	848.5	849.2	849.5
16°	835.0	836.1	837.5	842.9	839.5	843.3	841.4	842.7	845.1	846.8	845.4
16.5°	832.4	832.9	833.7	836.2	836.3	840.5	838.1	840.2	841.7	843.2	842.0
17°	829.1	829.8	830.6	833.9	833.8	835.2	835.1	836.3	838.1	840.2	839.2
17.5°	825.2	826.0	826.7	831.4	830.0	829.6	831.3	831.9	835.4	836.2	837.0
18°	821.3	822.3	823.7	824.2	826.1	828.2	828.3	829.0	831.5	833.2	833.9
18.5°	817.7	818.9	819.7	822.6	824.1	823.9	824.0	825.4	828.0	830.1	829.6
19°	813.7	815.0	816.0	820.9	819.3	817.6	819.6	823.1	824.0	825.8	826.0
19.5°	810.8	810.6	812.0	813.2	814.5	815.9	817.0	813.4	820.6	822.0	823.1
20°	805.8	806.8	808.0	810.6	810.0	812.0	812.2	812.3	816.7	818.7	818.9
20.5°	801.7	803.0	803.6	806.4	807.3	807.1	808.1	810.4	812.6	814.9	814.8
21°	797.0	798.3	799.5	802.3	800.1	801.4	803.3	807.5	807.3	810.4	810.7



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	784.4	785.1	786.2	786.1	788.9	789.7	790.6	791.7	796.8	797.5	798.7
23°	780.0	780.8	781.8	780.9	783.4	785.4	786.2	787.1	791.3	793.4	793.3
23.5°	775.2	776.1	776.7	779.6	778.5	781.1	781.4	783.4	786.9	789.2	789.7
24°	770.3	771.5	772.3	775.3	776.0	776.0	777.3	779.2	782.2	784.7	785.1
24.5°	765.3	766.4	767.0	773.0	769.4	766.8	772.1	774.7	777.7	779.5	780.8
25°	760.4	761.2	762.1	764.1	763.2	767.5	767.1	769.7	772.3	775.1	775.6
25.5°	755.4	756.6	757.1	758.2	760.6	761.2	761.6	764.0	767.9	770.5	771.8
26°	750.8	751.5	752.3	753.1	755.0	754.9	757.3	759.3	761.6	765.4	765.5
26.5°	745.8	746.4	746.4	748.4	749.0	750.1	753.0	752.9	757.7	760.1	761.7
27°	740.2	740.9	741.8	744.0	743.6	744.1	745.9	748.6	746.3	755.2	755.7
27.5°	735.4	735.1	735.8	738.5	738.5	738.9	742.4	743.3	747.5	749.7	751.8
28°	729.2	729.7	730.5	731.2	731.3	733.2	734.3	739.1	741.5	744.5	746.2
28.5°	724.3	724.4	725.4	725.1	726.8	730.8	728.0	731.4	736.0	740.2	740.2
29°	718.3	719.2	719.9	724.5	720.6	722.4	721.8	729.2	731.6	734.7	735.4
29.5°	712.8	713.2	713.9	714.6	716.3	716.2	718.9	721.4	725.2	728.8	729.2
30°	707.3	707.4	707.9	710.3	709.3	710.2	712.3	711.2	719.4	723.2	724.4
30.5°	701.4	701.7	702.0	703.7	703.4	703.0	706.3	709.6	713.9	717.2	718.7
31°	695.4	696.0	696.4	696.8	697.5	698.0	698.5	705.2	708.0	711.8	716.2
31.5°	690.1	690.3	690.1	691.2	690.2	693.9	693.4	695.4	701.7	705.4	707.4
32°	683.9	684.3	684.3	686.3	685.8	685.2	687.3	693.0	696.3	700.2	701.8
32.5°	678.3	678.0	678.0	678.9	678.5	679.8	681.6	684.7	690.0	694.5	696.4
33°	671.9	672.2	672.0	671.5	672.1	670.4	674.8	679.9	683.8	688.1	690.0
33.5°	665.9	665.7	665.1	665.7	666.6	662.3	668.3	671.5	677.6	682.1	683.9
34°	659.6	659.1	658.9	659.8	659.6	666.4	661.3	666.7	671.6	675.4	677.4
34.5°	653.9	653.6	653.0	653.6	652.2	652.0	655.7	660.3	665.1	669.4	671.3
35°	647.3	646.8	646.3	647.3	646.0	642.2	649.7	651.6	658.5	663.1	666.0
35.5°	641.0	640.5	639.6	640.6	639.5	641.7	643.0	646.6	652.4	656.8	659.4
36°	634.5	634.0	633.2	635.2	633.2	635.2	635.4	638.5	645.7	650.6	653.7
36.5°	629.1	628.1	627.0	627.1	625.6	624.9	630.5	633.1	639.2	644.6	647.0
37°	621.7	621.5	620.0	618.8	618.0	619.5	621.2	626.9	632.3	637.9	640.6
37.5°	615.0	614.4	613.0	613.1	613.1	612.6	615.5	619.7	625.4	631.1	635.0
38°	608.5	607.8	606.7	606.8	604.7	604.3	608.0	613.4	619.1	624.3	626.5
38.5°	602.1	601.1	599.9	599.8	598.3	598.4	601.2	606.3	612.4	617.6	620.6
39°	595.6	594.3	593.1	594.6	590.7	590.3	593.7	599.4	605.5	611.1	614.5
39.5°	589.0	588.0	586.0	584.9	584.3	587.4	586.3	592.6	598.6	604.2	607.7
40°	582.0	580.6	579.0	577.9	577.3	577.8	579.2	585.4	591.6	597.8	600.2
40.5°	575.4	574.3	572.2	571.5	569.4	571.1	572.2	577.8	584.3	590.4	594.1
41°	568.7	567.2	564.9	563.8	567.2	563.7	565.7	570.3	577.6	584.1	587.9
41.5°	562.2	560.3	558.3	562.7	556.1	555.5	559.1	563.0	571.0	576.8	581.1
42°	555.1	553.8	551.5	549.8	547.5	549.1	551.3	556.1	564.1	569.9	573.7
42.5°	548.1	546.4	544.3	542.1	540.6	542.7	544.0	549.2	557.0	562.8	567.0
43°	541.2	539.7	537.3	534.6	534.6	533.8	537.2	542.1	549.4	556.0	561.0
43.5°	534.7	532.8	530.2	528.7	526.6	526.2	529.9	534.1	542.2	548.8	553.3



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CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	513.8	511.7	508.7	508.3	505.8	505.2	508.1	514.9	521.6	527.8	532.2
45.5°	506.8	504.6	502.0	500.0	497.7	498.1	500.3	505.2	514.2	521.0	526.1
46°	500.1	497.7	494.8	492.3	491.0	490.9	492.6	501.6	506.9	514.1	518.2
46.5°	492.9	490.3	487.9	486.8	484.0	483.6	486.4	493.2	499.7	507.0	511.2
47°	486.0	483.6	480.3	478.1	474.5	476.5	478.9	486.8	492.5	499.7	504.2
47.5°	479.3	476.6	473.6	470.1	469.6	469.3	471.8	478.8	485.5	492.5	497.4
48°	472.0	469.8	466.3	464.5	462.1	462.1	465.1	469.7	478.3	485.3	490.5
48.5°	465.2	462.6	459.5	456.3	454.2	454.8	457.7	462.1	471.1	478.5	484.9
49°	458.0	455.9	452.2	450.3	444.8	448.0	450.1	456.5	464.0	471.1	475.9
49.5°	451.2	448.6	445.2	442.7	440.8	440.6	442.8	447.3	456.9	464.4	470.1
50°	444.1	441.6	438.2	435.6	433.2	433.7	436.2	441.7	449.9	456.9	460.2
50.5°	437.2	434.6	431.4	428.6	425.6	426.4	428.8	435.6	442.7	449.7	454.5
51°	430.5	427.4	424.3	421.7	419.5	419.5	421.8	426.1	435.7	442.8	447.8
51.5°	423.9	420.6	417.2	414.3	412.1	412.3	415.1	420.6	428.4	435.6	441.1
52°	416.3	413.9	410.4	408.0	405.3	405.6	408.1	412.0	421.6	429.0	434.2
52.5°	409.5	406.7	403.2	400.7	398.2	398.6	401.1	405.5	414.2	421.6	426.8
53°	401.9	399.9	396.6	394.1	391.3	391.9	394.1	400.2	407.7	414.7	419.6
53.5°	382.9	392.9	389.8	386.0	384.0	384.7	387.2	392.4	400.1	407.6	412.8
54°	388.9	386.3	382.8	378.3	377.5	378.3	380.6	386.6	393.6	400.7	405.9
54.5°	381.6	379.3	376.0	374.6	371.3	371.4	373.9	380.3	386.6	393.6	398.6
55°	374.8	372.7	369.2	366.9	363.7	364.9	367.0	371.6	379.6	386.8	392.1
55.5°	368.9	366.0	362.6	359.9	356.7	358.0	360.3	366.3	372.9	380.0	385.4
56°	360.8	359.2	355.8	352.7	350.9	351.1	353.9	359.2	366.0	373.3	378.0
56.5°	355.0	352.4	349.3	346.3	344.7	344.8	347.3	352.6	359.4	366.3	371.2
57°	348.0	345.8	342.5	341.0	339.4	337.9	340.4	346.0	352.6	359.7	364.2
57.5°	342.8	338.9	335.8	333.3	331.7	331.7	334.4	339.4	345.9	352.7	357.5
58°	335.2	332.5	329.4	326.8	326.2	325.0	327.8	332.5	339.4	345.8	350.7
58.5°	328.5	326.1	323.1	320.6	320.6	318.9	321.2	326.0	332.6	339.3	344.0
59°	321.8	319.4	316.5	313.4	308.0	312.3	315.0	319.9	326.2	332.7	337.2
59.5°	315.2	312.8	310.3	307.8	305.4	306.1	309.1	313.3	319.7	325.9	330.5
60°	308.5	306.1	303.6	301.8	299.7	299.8	302.2	306.7	313.3	319.2	323.3
60.5°	304.0	300.1	297.7	295.0	293.3	293.6	296.3	300.9	307.0	312.6	317.0
61°	295.2	293.6	291.1	288.8	287.4	287.6	289.9	294.5	300.5	306.6	310.1
61.5°	291.1	287.4	285.0	283.2	281.0	281.6	283.6	288.5	294.0	299.7	303.8
62°	282.6	280.7	278.3	276.4	275.0	275.6	277.8	281.9	287.5	293.4	297.2
62.5°	276.1	274.5	272.4	270.8	270.0	269.4	271.6	275.7	281.3	286.7	290.3
63°	270.2	268.2	266.4	264.3	262.8	263.7	265.7	269.5	275.3	280.5	283.7
63.5°	263.5	262.2	260.4	258.2	257.4	257.5	259.7	263.5	269.0	274.3	277.7
64°	257.5	256.1	254.3	252.5	251.4	251.9	253.9	257.6	262.7	267.8	271.0
64.5°	250.8	249.9	248.4	246.5	246.1	246.1	248.3	251.7	256.6	261.5	264.6
65°	244.7	243.7	242.3	241.2	240.3	240.6	242.3	246.1	250.9	255.5	258.4
65.5°	238.8	237.7	236.4	235.5	234.3	234.5	236.3	240.1	244.9	249.0	251.8
66°	232.6	231.7	230.4	229.2	228.4	229.2	230.7	234.4	238.8	242.8	245.7



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	214.5	213.9	213.2	212.6	212.4	212.7	214.2	217.2	221.3	224.9	226.3
68°	208.9	208.3	207.7	207.6	206.7	207.0	208.6	211.6	215.6	218.9	220.9
68.5°	202.3	202.5	202.3	201.5	201.1	201.7	203.2	206.3	209.8	212.9	214.4
69°	196.5	196.7	196.3	196.0	195.7	196.4	197.8	200.7	204.2	207.0	208.0
69.5°	190.4	191.0	190.9	190.7	190.7	191.1	192.7	195.3	198.7	201.4	202.2
70°	185.6	185.5	185.6	185.3	185.2	185.8	187.3	189.9	192.9	195.5	196.5
70.5°	178.6	180.0	180.2	180.0	179.7	180.7	182.5	184.8	187.4	189.8	190.2
71°	172.9	174.4	174.8	175.1	175.2	175.8	177.2	179.2	181.9	184.1	184.9
71.5°	167.8	168.9	169.4	169.6	170.1	170.6	172.2	174.0	176.8	178.5	178.7
72°	162.2	163.3	164.1	164.4	164.8	165.6	166.9	168.9	171.2	172.8	173.3
72.5°	156.4	158.1	159.0	159.8	160.0	160.5	161.9	163.7	166.0	167.4	167.4
73°	150.8	152.8	153.9	154.7	154.7	155.7	157.2	158.6	160.6	161.9	162.0
73.5°	145.8	147.5	148.8	149.7	150.4	150.8	152.0	153.7	155.6	156.5	155.8
74°	140.7	142.8	144.1	144.7	146.0	146.2	147.1	148.8	150.4	151.2	150.6
74.5°	135.6	138.0	139.3	140.1	141.4	141.7	142.6	143.9	145.3	145.9	145.4
75°	130.5	133.2	134.5	135.6	136.8	137.2	138.1	139.4	140.5	140.9	140.1
75.5°	125.4	128.4	129.8	131.0	132.1	132.7	133.6	134.9	135.8	135.9	134.8
76°	115.3	123.6	125.0	126.5	127.5	128.2	129.0	130.3	131.0	130.9	129.5
76.5°	115.4	117.9	120.1	121.6	122.9	123.7	124.5	125.8	126.3	125.9	124.2
77°	109.3	113.3	115.5	117.6	118.3	119.4	120.2	120.9	121.5	121.1	118.9
77.5°	104.9	107.9	110.9	113.2	114.0	115.0	115.8	116.4	116.7	116.0	113.6
78°	100.1	102.8	106.3	108.5	109.8	110.7	111.3	111.6	111.9	110.8	108.4
78.5°	95.1	98.8	101.9	104.1	105.5	106.3	107.1	107.4	107.5	106.2	103.6
79°	90.2	95.2	97.4	99.7	101.1	102.2	102.8	103.1	102.6	101.4	98.5
79.5°	85.5	89.6	93.2	95.6	97.1	98.0	98.7	99.0	98.3	96.7	93.4
80°	80.9	85.7	88.9	91.4	93.7	94.1	94.7	94.7	94.0	92.2	88.9
80.5°	77.0	81.1	84.9	87.5	89.2	90.2	90.6	90.6	89.7	87.7	84.0
81°	72.1	76.7	80.8	83.8	85.3	86.3	86.7	86.5	85.6	83.2	79.7
81.5°	67.9	72.8	76.8	79.6	81.3	82.5	82.8	82.5	81.4	79.0	74.9
82°	63.9	69.9	73.0	75.9	77.9	78.8	79.2	78.6	77.3	74.8	70.5
82.5°	59.9	64.8	69.2	72.4	73.9	75.0	75.2	74.9	73.4	70.8	66.2
83°	55.9	61.1	65.4	68.6	70.3	71.4	71.7	71.2	69.7	66.6	62.1
83.5°	52.2	57.5	61.9	65.0	67.0	68.0	68.2	67.5	65.8	62.7	58.1
84°	49.0	53.9	58.3	61.6	63.8	64.6	64.9	64.1	62.2	59.0	54.2
84.5°	45.0	50.6	54.9	58.2	59.7	61.2	61.2	60.5	58.5	55.3	50.3
85°	41.6	47.1	51.5	54.8	56.8	57.9	57.9	57.1	55.1	51.7	46.6
85.5°	38.4	43.7	48.3	51.6	53.7	54.7	54.8	53.8	51.8	48.2	43.1
86°	35.0	40.6	45.2	48.6	50.5	51.6	51.7	50.6	48.4	44.8	39.7
86.5°	32.0	37.5	42.1	45.4	47.6	48.6	48.5	47.7	45.2	41.6	36.7
87°	29.1	34.7	39.2	42.7	44.7	45.7	45.6	44.5	42.2	38.4	33.3
87.5°	26.4	31.8	36.4	39.7	41.9	42.9	42.8	41.6	39.3	35.5	30.2
88°	23.7	29.1	33.6	37.0	39.1	40.1	40.0	38.8	36.3	32.5	27.3
88.5°	21.2	26.6	31.0	34.4	36.5	37.4	37.3	36.1	33.6	29.7	24.7



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CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	15.2	19.6	23.8	27.2	29.1	30.0	29.8	28.4	26.0	22.2	17.8
90.5°	13.3	17.7	21.7	24.8	26.9	27.8	27.5	26.3	23.7	20.0	15.9
91°	11.4	16.0	19.7	22.8	24.7	25.6	25.4	24.0	21.5	17.9	14.1
91.5°	9.6	14.4	17.8	20.7	22.7	23.5	23.3	21.9	19.5	16.3	12.3
92°	8.2	12.8	16.3	18.9	20.8	21.5	21.3	20.0	17.6	14.6	10.4
92.5°	7.1	11.2	14.7	17.2	18.9	19.7	19.5	18.1	16.1	13.0	8.6
93°	6.1	9.5	13.2	15.8	17.3	18.0	17.7	16.5	14.6	11.4	7.5
93.5°	5.3	8.4	11.7	14.4	15.9	16.4	16.2	15.2	13.1	9.7	6.5
94°	4.6	7.4	10.2	13.0	14.6	15.2	14.9	13.8	11.6	8.6	5.6
94.5°	4.1	6.5	9.1	11.6	13.2	13.9	13.6	12.5	10.1	7.6	4.9
95°	3.7	5.8	8.2	10.2	11.9	12.6	12.4	11.2	9.1	6.7	4.4
95.5°	3.5	5.3	7.4	9.2	10.5	11.3	11.1	9.8	8.1	6.0	4.0
96°	3.3	4.8	6.7	8.4	9.6	10.0	9.9	8.9	7.4	5.5	3.7
96.5°	3.2	4.5	6.1	7.7	8.8	9.2	9.0	8.1	6.7	5.0	3.5
97°	3.1	4.3	5.7	7.0	8.0	8.4	8.2	7.4	6.2	4.7	3.3
97.5°	3.0	4.1	5.3	6.5	7.4	7.7	7.6	6.9	5.7	4.4	3.2
98°	2.9	4.0	5.1	6.1	6.9	7.2	7.0	6.4	5.4	4.3	3.1
98.5°	2.8	3.9	4.9	5.8	6.5	6.8	6.6	6.1	5.2	4.2	3.1
99°	2.8	3.8	4.8	5.6	6.2	6.4	6.3	5.8	5.0	4.1	3.0
99.5°	2.7	3.7	4.7	5.5	6.0	6.2	6.1	5.6	4.9	4.0	2.9
100°	2.7	3.7	4.6	5.3	5.8	6.0	5.9	5.5	4.8	3.9	2.9
100.5°	2.7	3.6	4.5	5.2	5.7	5.9	5.8	5.4	4.7	3.8	2.8
101°	2.7	3.5	4.4	5.1	5.6	5.7	5.6	5.2	4.6	3.7	2.8
101.5°	2.6	3.5	4.3	5.0	5.5	5.6	5.5	5.1	4.5	3.6	2.8
102°	2.6	3.4	4.2	4.9	5.4	5.5	5.4	5.0	4.4	3.6	2.7
102.5°	2.6	3.4	4.2	4.8	5.3	5.4	5.3	4.9	4.3	3.5	2.7
103°	2.5	3.4	4.1	4.7	5.2	5.3	5.2	4.8	4.2	3.5	2.7
103.5°	2.5	3.3	4.0	4.7	5.1	5.2	5.1	4.8	4.2	3.5	2.6
104°	2.5	3.3	4.0	4.6	5.0	5.1	5.0	4.7	4.1	3.4	2.6
104.5°	2.5	3.3	4.0	4.5	4.9	5.0	4.9	4.6	4.1	3.4	2.5
105°	2.5	3.2	3.9	4.5	4.8	5.0	4.9	4.5	4.0	3.3	2.5
105.5°	2.5	3.2	3.9	4.4	4.8	4.9	4.8	4.5	4.0	3.3	2.5
106°	2.5	3.1	3.8	4.4	4.7	4.8	4.7	4.4	3.9	3.2	2.5
106.5°	2.5	3.1	3.8	4.3	4.7	4.8	4.7	4.4	3.9	3.2	2.5
107°	2.5	3.1	3.7	4.3	4.6	4.7	4.6	4.3	3.9	3.1	2.4
107.5°	2.4	3.1	3.7	4.3	4.6	4.7	4.6	4.3	3.8	3.1	2.4
108°	2.4	3.0	3.6	4.2	4.5	4.6	4.5	4.3	3.7	3.1	2.4
108.5°	2.4	3.0	3.6	4.2	4.5	4.6	4.5	4.2	3.7	3.1	2.4
109°	2.4	3.0	3.6	4.1	4.4	4.5	4.4	4.1	3.6	3.1	2.3
109.5°	2.4	3.0	3.5	4.0	4.4	4.5	4.4	4.1	3.6	3.0	2.3
110°	2.4	3.0	3.5	4.0	4.3	4.4	4.3	4.0	3.6	3.0	2.3
110.5°	2.4	3.0	3.5	4.0	4.3	4.4	4.3	4.0	3.5	3.0	2.3
111°	2.3	3.0	3.5	3.9	4.2	4.3	4.2	3.9	3.5	3.0	2.2



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	2.2	2.9	3.4	3.8	4.1	4.1	4.1	3.8	3.4	2.8	2.1
113°	2.1	2.9	3.4	3.8	4.0	4.1	4.0	3.8	3.4	2.8	2.0
113.5°	2.0	2.9	3.3	3.8	4.0	4.1	4.0	3.8	3.4	2.8	1.9
114°	1.9	2.9	3.3	3.7	4.0	4.0	4.0	3.7	3.3	2.7	1.9
114.5°	1.9	2.8	3.3	3.7	3.9	4.0	3.9	3.7	3.3	2.7	1.8
115°	1.8	2.7	3.3	3.7	3.9	4.0	3.9	3.7	3.2	2.7	1.7
115.5°	1.8	2.7	3.3	3.6	3.9	3.9	3.9	3.6	3.2	2.6	1.7
116°	1.8	2.7	3.3	3.6	3.8	3.9	3.8	3.6	3.2	2.5	1.6
116.5°	1.7	2.6	3.2	3.6	3.8	3.9	3.8	3.6	3.1	2.4	1.6
117°	1.7	2.5	3.2	3.6	3.8	3.9	3.8	3.5	3.1	2.4	1.5
117.5°	1.6	2.3	3.1	3.5	3.7	3.8	3.7	3.5	3.0	2.3	1.5
118°	1.6	2.2	3.1	3.5	3.7	3.8	3.7	3.5	3.0	2.2	1.5
118.5°	1.6	2.2	3.0	3.5	3.7	3.7	3.7	3.4	2.9	2.1	1.4
119°	1.6	2.1	3.0	3.4	3.6	3.7	3.6	3.4	2.8	2.0	1.4
119.5°	1.5	2.1	2.9	3.3	3.6	3.7	3.6	3.3	2.7	2.0	1.4
120°	1.5	2.0	2.7	3.3	3.5	3.6	3.5	3.2	2.6	1.9	1.3
120.5°	1.4	2.0	2.6	3.2	3.5	3.6	3.5	3.1	2.5	1.9	1.3
121°	1.3	1.9	2.5	3.1	3.4	3.5	3.4	3.0	2.4	1.8	1.2
121.5°	1.3	1.9	2.4	3.1	3.3	3.4	3.3	2.9	2.3	1.8	1.1
122°	1.3	1.8	2.3	2.9	3.2	3.3	3.2	2.9	2.3	1.7	1.1
122.5°	1.4	1.8	2.3	2.8	3.1	3.2	3.1	2.7	2.2	1.7	1.1
123°	1.4	1.8	2.2	2.6	3.0	3.1	3.0	2.6	2.1	1.6	1.1
123.5°	1.4	1.8	2.1	2.5	2.9	3.0	2.9	2.5	2.1	1.6	1.2
124°	1.4	1.7	2.1	2.5	2.7	2.9	2.8	2.4	2.0	1.6	1.2
124.5°	1.4	1.7	2.0	2.4	2.6	2.8	2.7	2.4	2.0	1.6	1.2
125°	1.5	1.6	2.0	2.3	2.6	2.7	2.6	2.3	1.9	1.5	1.2
125.5°	1.5	1.4	2.0	2.3	2.5	2.6	2.5	2.2	1.9	1.4	1.3
126°	1.5	1.4	1.9	2.2	2.4	2.5	2.4	2.2	1.9	1.3	1.3
126.5°	1.5	1.4	1.9	2.2	2.4	2.4	2.4	2.1	1.8	1.2	1.3
127°	1.6	1.4	1.9	2.1	2.3	2.4	2.3	2.1	1.8	1.3	1.3
127.5°	1.6	1.4	1.8	2.1	2.2	2.3	2.2	2.0	1.7	1.3	1.4
128°	1.6	1.4	1.8	2.0	2.2	2.3	2.2	2.0	1.7	1.3	1.4
128.5°	1.6	1.5	1.6	2.0	2.1	2.2	2.1	1.9	1.6	1.3	1.4
129°	1.7	1.5	1.5	1.9	2.1	2.1	2.1	1.9	1.5	1.4	1.4
129.5°	1.7	1.5	1.4	1.9	2.0	2.1	2.0	1.9	1.3	1.4	1.5
130°	1.7	1.5	1.4	1.8	2.0	2.0	2.0	1.8	1.3	1.4	1.5
130.5°	1.8	1.6	1.4	1.8	2.0	2.0	1.9	1.7	1.3	1.5	1.5
131°	1.8	1.6	1.5	1.6	1.9	2.0	1.9	1.6	1.4	1.5	1.6
131.5°	1.8	1.6	1.5	1.5	1.8	1.9	1.8	1.4	1.4	1.5	1.6
132°	1.8	1.6	1.5	1.4	1.8	1.8	1.7	1.4	1.4	1.6	1.6
132.5°	1.9	1.7	1.5	1.4	1.6	1.7	1.6	1.4	1.4	1.6	1.6
133°	1.9	1.7	1.6	1.4	1.4	1.6	1.4	1.4	1.5	1.6	1.7
133.5°	2.0	1.7	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.6	1.7



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	2.3	1.8	1.7	1.6	1.5	1.4	1.4	1.5	1.6	1.7	1.9
135.5°	2.4	1.9	1.7	1.6	1.5	1.5	1.5	1.5	1.6	1.8	2.0
136°	2.5	1.9	1.7	1.6	1.5	1.5	1.5	1.6	1.7	1.8	2.2
136.5°	2.4	1.9	1.8	1.6	1.5	1.5	1.5	1.6	1.7	1.8	2.3
137°	2.3	2.0	1.8	1.7	1.6	1.5	1.6	1.6	1.7	1.9	2.2
137.5°	2.3	2.0	1.8	1.7	1.6	1.6	1.6	1.7	1.8	1.9	2.1
138°	2.3	2.0	1.8	1.7	1.6	1.6	1.6	1.7	1.8	1.9	2.0
138.5°	2.3	2.1	1.9	1.8	1.7	1.6	1.7	1.7	1.8	2.0	2.0
139°	2.3	2.1	1.9	1.8	1.7	1.7	1.7	1.8	1.9	2.0	2.0
139.5°	2.3	2.3	1.9	1.8	1.7	1.7	1.7	1.8	1.9	2.1	2.0
140°	2.3	2.4	2.0	1.9	1.8	1.7	1.8	1.8	1.9	2.2	2.0
140.5°	2.3	2.5	2.0	1.9	1.8	1.8	1.8	1.8	1.9	2.3	2.0
141°	2.3	2.6	2.0	1.9	1.8	1.8	1.8	1.9	2.0	2.5	2.0
141.5°	2.3	2.5	2.1	2.0	1.9	1.8	1.9	1.9	2.0	2.5	2.0
142°	2.3	2.4	2.1	2.0	1.9	1.9	1.9	1.9	2.0	2.4	2.0
142.5°	2.3	2.3	2.2	2.0	1.9	1.9	1.9	2.0	2.1	2.3	2.1
143°	2.4	2.3	2.3	2.0	2.0	1.9	1.9	2.0	2.2	2.2	2.1
143.5°	2.3	2.4	2.5	2.1	2.0	2.0	2.0	2.0	2.3	2.2	2.1
144°	2.3	2.4	2.6	2.1	2.0	2.0	2.0	2.1	2.5	2.2	2.1
144.5°	2.3	2.4	2.6	2.2	2.1	2.0	2.0	2.1	2.6	2.3	2.1
145°	2.3	2.3	2.5	2.3	2.1	2.1	2.1	2.2	2.5	2.2	2.1
145.5°	2.3	2.3	2.4	2.4	2.1	2.1	2.1	2.3	2.4	2.2	2.1
146°	2.3	2.3	2.4	2.6	2.2	2.1	2.2	2.5	2.3	2.2	2.1
146.5°	2.2	2.4	2.4	2.7	2.3	2.2	2.3	2.6	2.3	2.3	2.1
147°	2.2	2.4	2.4	2.6	2.5	2.4	2.5	2.5	2.3	2.3	2.1
147.5°	2.2	2.4	2.4	2.5	2.7	2.6	2.6	2.4	2.3	2.3	2.1
148°	2.1	2.4	2.4	2.4	2.7	2.7	2.6	2.3	2.3	2.3	2.0
148.5°	2.1	2.4	2.3	2.4	2.5	2.6	2.5	2.3	2.3	2.3	2.0
149°	2.1	2.4	2.3	2.4	2.4	2.5	2.4	2.3	2.3	2.3	2.0
149.5°	2.1	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.0
150°	2.1	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.0
150.5°	2.1	2.3	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.0
151°	2.1	2.2	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.2	2.0
151.5°	2.1	2.2	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.1
152°	2.1	2.2	2.4	2.4	2.3	2.3	2.3	2.4	2.3	2.2	2.1
152.5°	2.1	2.1	2.4	2.4	2.3	2.3	2.3	2.4	2.3	2.2	2.1
153°	2.1	2.1	2.3	2.4	2.4	2.3	2.4	2.4	2.3	2.2	2.1
153.5°	2.1	2.1	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.1
154°	2.1	2.1	2.2	2.4	2.4	2.4	2.4	2.4	2.2	2.1	2.2
154.5°	2.2	2.1	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2.1	2.2
155°	2.2	2.1	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2.1	2.2
155.5°	2.2	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.2
156°	2.3	2.1	2.1	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	2.3	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.2	2.3
158°	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.3
158.5°	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.3
159°	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3
159.5°	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3
160°	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.4
160.5°	2.4	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.4	2.4
161°	2.3	2.0	2.2	2.1	2.1	2.1	2.1	2.2	2.3	2.4	2.4
161.5°	2.3	2.1	2.2	2.2	2.1	2.1	2.1	2.2	2.3	2.4	2.4
162°	2.2	2.3	2.3	2.2	2.2	2.1	2.2	2.2	2.3	2.4	2.4
162.5°	2.0	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.4
163°	1.9	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.4	2.4	2.4
163.5°	2.1	2.4	2.1	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
164°	2.3	2.4	2.1	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
164.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4
165°	2.3	2.1	2.4	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4
165.5°	2.2	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
166°	2.2	1.9	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.3
166.5°	2.2	2.1	2.4	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.3
167°	2.2	2.3	2.4	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.3
167.5°	2.1	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.3
168°	2.0	2.2	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
168.5°	2.0	2.1	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
169°	1.7	2.1	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
169.5°	1.5	2.0	2.0	2.3	2.2	2.4	2.4	2.4	2.4	2.4	2.2
170°	1.5	1.7	2.1	2.3	2.1	2.4	2.4	2.4	2.4	2.3	2.1
170.5°	1.5	1.5	2.1	2.2	2.2	2.4	2.4	2.4	2.4	2.3	2.0
171°	1.5	1.5	1.9	2.0	2.3	2.4	2.4	2.4	2.3	2.3	2.0
171.5°	1.5	1.5	1.6	1.7	2.3	2.3	2.3	2.3	2.3	2.2	2.0
172°	1.5	1.5	1.5	1.6	2.1	2.3	2.3	2.3	2.3	2.2	2.0
172.5°	1.5	1.5	1.5	1.6	2.1	2.2	2.3	2.3	2.2	2.2	1.9
173°	1.4	1.5	1.5	1.5	2.1	2.1	2.3	2.3	2.2	2.1	1.9
173.5°	1.4	1.5	1.5	1.5	2.0	2.0	2.2	2.2	2.2	2.0	1.9
174°	1.4	1.5	1.5	1.5	1.8	2.0	2.2	2.2	2.2	1.9	1.8
174.5°	1.4	1.5	1.5	1.5	1.5	1.9	2.1	2.1	2.1	1.9	1.5
175°	1.4	1.4	1.5	1.5	1.4	1.9	2.0	2.1	1.9	1.8	1.4
175.5°	1.4	1.4	1.4	1.4	1.4	1.7	1.9	2.1	1.8	1.7	1.4
176°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.0	1.8	1.5	1.4
176.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.7	1.7	1.4	1.4
177°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.4	1.4
177.5°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.5	1.5	1.4	1.4
178°	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.3	1.4	1.4	1.4
178.5°	1.6	1.5	1.4	1.4	1.3	1.3	1.1	1.3	1.2	1.4	1.4



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	891.4	891.4	891.4	891.4
0.5°	892.0	890.4	887.6	891.4
1°	891.4	890.8	893.4	892.0
1.5°	892.0	890.3	891.2	890.9
2°	891.4	890.3	890.9	891.1
2.5°	891.7	889.6	891.9	890.6
3°	890.8	889.7	890.3	891.6
3.5°	891.0	889.1	890.4	890.9
4°	890.0	888.2	891.5	890.2
4.5°	889.2	889.0	888.5	888.7
5°	889.2	887.6	889.2	888.7
5.5°	888.2	886.8	886.9	887.5
6°	887.9	887.3	888.4	886.6
6.5°	885.8	884.4	886.0	884.6
7°	884.4	883.7	885.1	884.8
7.5°	882.9	883.2	884.5	883.0
8°	881.8	880.3	882.0	881.4
8.5°	880.7	879.7	880.3	879.9
9°	879.4	878.1	878.7	879.0
9.5°	877.3	877.4	878.6	876.0
10°	875.6	874.7	878.1	876.6
10.5°	874.1	872.7	867.6	873.9
11°	871.8	871.4	871.3	871.3
11.5°	870.0	868.0	873.2	870.6
12°	867.8	866.4	873.4	867.0
12.5°	865.2	864.6	861.7	864.4
13°	863.6	862.3	862.6	861.5
13.5°	860.6	860.1	862.9	860.5
14°	858.2	856.3	857.9	856.4
14.5°	855.6	854.6	857.7	853.5
15°	852.1	852.2	855.3	854.6
15.5°	849.8	848.2	845.8	848.2
16°	847.1	845.2	844.9	846.5
16.5°	844.5	842.5	848.1	841.0
17°	840.7	838.3	839.6	840.9
17.5°	836.9	836.0	839.3	836.6
18°	834.3	833.4	835.6	833.8
18.5°	831.1	828.4	830.2	830.0
19°	826.9	826.9	827.0	826.1
19.5°	823.4	821.5	823.4	822.2
20°	819.9	817.7	820.7	819.4
20.5°	816.5	815.1	815.4	814.9
21°	812.2	812.0	813.2	811.4



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	799.9	798.2	804.2	799.2
23°	795.6	794.6	795.8	795.3
23.5°	791.3	791.2	794.1	793.9
24°	786.0	784.8	785.8	787.2
24.5°	781.9	781.2	782.0	792.5
25°	777.0	775.6	776.8	778.3
25.5°	772.4	771.8	773.1	771.5
26°	767.6	765.3	768.4	766.3
26.5°	763.5	763.2	762.8	762.4
27°	758.4	757.7	758.9	756.4
27.5°	753.2	751.8	753.6	751.2
28°	748.1	747.1	748.0	748.8
28.5°	742.4	741.7	743.3	748.1
29°	737.5	736.1	738.2	732.9
29.5°	731.9	731.9	732.6	732.3
30°	726.2	725.4	726.7	724.9
30.5°	720.9	720.8	721.2	720.6
31°	715.4	715.3	716.1	713.0
31.5°	709.6	708.2	710.5	709.4
32°	703.9	704.3	704.6	700.6
32.5°	698.1	698.8	699.1	699.2
33°	692.6	690.3	692.9	691.0
33.5°	686.7	686.8	687.4	684.3
34°	680.2	681.1	681.4	678.0
34.5°	674.2	674.6	675.4	675.3
35°	668.1	668.5	669.2	668.1
35.5°	662.3	662.2	662.3	661.2
36°	655.8	656.1	659.2	655.8
36.5°	649.6	649.0	649.5	649.2
37°	643.0	643.1	644.5	643.2
37.5°	636.6	636.3	637.2	634.8
38°	630.2	630.2	631.7	626.2
38.5°	624.2	624.3	623.1	620.6
39°	617.4	618.3	618.3	614.2
39.5°	610.9	610.5	611.0	611.6
40°	603.8	604.3	606.3	606.2
40.5°	597.4	598.1	599.4	598.1
41°	590.5	591.5	592.0	589.9
41.5°	584.1	585.0	586.0	589.0
42°	577.8	578.1	579.7	577.1
42.5°	570.8	570.3	570.6	569.8
43°	563.7	564.2	565.8	563.4
43.5°	556.9	557.4	558.3	556.5



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	536.0	536.0	537.5	536.3
45.5°	529.4	529.3	530.5	529.6
46°	522.1	522.7	524.3	519.5
46.5°	515.1	515.9	516.6	515.6
47°	508.3	508.0	510.3	509.0
47.5°	501.2	502.0	502.8	500.7
48°	494.3	495.5	496.0	492.0
48.5°	487.2	488.9	488.5	486.2
49°	480.1	481.2	481.7	482.4
49.5°	473.2	474.2	475.2	472.1
50°	465.9	467.0	467.2	466.9
50.5°	459.2	460.6	460.1	460.9
51°	452.2	452.9	453.4	452.0
51.5°	445.4	446.6	446.4	444.8
52°	437.9	439.1	439.8	438.0
52.5°	430.8	432.2	432.3	431.2
53°	424.2	425.0	425.6	423.2
53.5°	417.2	418.3	418.5	416.7
54°	409.9	410.9	411.5	409.8
54.5°	403.0	404.1	404.2	402.3
55°	396.2	396.8	397.3	396.0
55.5°	389.5	390.1	390.8	388.8
56°	382.0	382.8	383.7	381.5
56.5°	375.3	375.9	376.6	374.6
57°	368.3	368.9	369.7	366.7
57.5°	361.2	362.4	361.8	360.3
58°	354.5	355.4	355.7	354.3
58.5°	347.6	348.6	348.5	346.5
59°	340.7	341.4	341.8	340.9
59.5°	333.8	334.5	334.7	332.6
60°	327.0	327.8	327.8	326.1
60.5°	320.3	320.9	321.0	318.9
61°	313.6	314.2	314.4	312.8
61.5°	307.1	307.1	307.8	306.0
62°	300.1	300.9	300.9	298.4
62.5°	293.3	293.9	293.6	291.9
63°	286.6	287.0	286.7	284.9
63.5°	280.0	280.3	280.3	278.3
64°	273.3	273.3	272.9	271.1
64.5°	266.9	267.0	266.6	264.6
65°	260.4	260.7	259.8	257.7
65.5°	253.8	253.6	252.9	251.0
66°	247.4	247.3	247.2	244.5



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	228.2	227.5	226.7	224.3
68°	221.9	221.0	220.2	218.0
68.5°	215.5	214.8	213.6	210.7
69°	209.3	208.0	206.9	204.3
69.5°	203.0	201.9	200.4	198.0
70°	196.8	195.2	193.8	191.8
70.5°	190.7	189.1	187.4	184.8
71°	184.5	182.9	181.1	178.3
71.5°	178.6	177.0	174.9	172.0
72°	172.5	170.3	168.5	165.8
72.5°	166.4	164.4	162.0	159.7
73°	160.5	158.1	156.0	153.4
73.5°	154.8	152.2	149.9	147.1
74°	149.0	146.4	143.9	140.9
74.5°	143.5	140.6	137.9	134.8
75°	138.0	134.9	132.0	128.6
75.5°	132.4	129.1	126.0	122.5
76°	126.9	123.3	120.0	116.7
76.5°	121.4	117.5	114.2	110.5
77°	116.0	112.0	108.5	104.7
77.5°	110.5	106.4	102.9	99.6
78°	105.2	100.9	97.2	93.4
78.5°	100.0	95.5	91.8	87.6
79°	94.7	90.1	86.0	82.6
79.5°	89.6	84.6	80.5	77.0
80°	84.6	79.6	75.3	71.6
80.5°	79.7	74.5	70.0	66.4
81°	74.9	69.5	64.9	61.3
81.5°	70.2	64.7	60.0	56.7
82°	65.6	59.9	55.1	52.1
82.5°	61.1	55.3	50.6	47.6
83°	56.6	50.9	46.0	43.0
83.5°	52.5	46.4	41.4	38.5
84°	48.6	42.4	37.4	34.3
84.5°	44.5	38.3	33.2	30.1
85°	40.9	34.4	29.3	26.3
85.5°	37.2	30.9	25.7	22.6
86°	33.7	27.4	22.1	19.2
86.5°	30.4	24.0	19.3	15.9
87°	27.3	21.0	16.4	12.8
87.5°	24.3	18.5	13.6	10.0
88°	21.5	16.0	10.7	7.3
88.5°	18.9	13.5	7.8	5.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	12.6	6.9	2.8	1.6
90.5°	10.6	5.4	1.9	0.2
91°	8.5	4.2	1.3	0.2
91.5°	7.1	3.2	0.9	0.2
92°	5.9	2.6	0.7	0.2
92.5°	4.9	2.1	0.6	0.1
93°	4.1	1.8	0.5	0.1
93.5°	3.5	1.6	0.5	0.1
94°	3.1	1.5	0.5	0.1
94.5°	2.8	1.4	0.5	0.1
95°	2.6	1.3	0.4	0.1
95.5°	2.4	1.3	0.4	0.2
96°	2.3	1.3	0.4	0.2
96.5°	2.3	1.2	0.4	0.2
97°	2.2	1.2	0.4	0.2
97.5°	2.1	1.2	0.4	0.2
98°	2.1	1.1	0.4	0.3
98.5°	2.0	1.1	0.4	0.3
99°	2.0	1.1	0.4	0.3
99.5°	2.0	1.1	0.4	0.4
100°	2.0	1.1	0.4	0.4
100.5°	1.9	1.1	0.4	0.5
101°	1.9	1.1	0.4	0.5
101.5°	1.9	1.0	0.4	0.5
102°	1.8	1.1	0.5	0.6
102.5°	1.8	1.0	0.5	0.6
103°	1.8	1.0	0.5	0.7
103.5°	1.8	1.0	0.6	0.7
104°	1.8	0.9	0.6	0.7
104.5°	1.8	0.9	0.6	0.8
105°	1.7	0.9	0.7	0.8
105.5°	1.7	0.9	0.7	0.8
106°	1.7	0.8	0.7	0.8
106.5°	1.7	0.9	0.7	0.9
107°	1.6	0.9	0.8	0.9
107.5°	1.6	0.8	0.8	0.9
108°	1.6	0.8	0.8	1.0
108.5°	1.5	0.8	0.9	1.1
109°	1.5	0.8	0.9	1.2
109.5°	1.5	0.9	0.9	1.2
110°	1.4	0.9	1.0	1.3
110.5°	1.4	0.9	1.0	1.3
111°	1.3	0.9	1.0	1.3



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	1.3	1.0	1.1	1.4
113°	1.3	1.1	1.1	1.4
113.5°	1.2	1.1	1.2	1.5
114°	1.2	1.2	1.2	1.5
114.5°	1.1	1.2	1.2	1.5
115°	1.0	1.2	1.3	1.6
115.5°	1.0	1.2	1.3	1.6
116°	0.9	1.2	1.3	1.6
116.5°	1.0	1.2	1.4	1.5
117°	1.0	1.2	1.4	1.5
117.5°	1.0	1.2	1.3	1.5
118°	1.0	1.2	1.3	1.4
118.5°	1.1	1.2	1.4	1.4
119°	1.1	1.3	1.4	1.4
119.5°	1.1	1.3	1.4	1.4
120°	1.1	1.3	1.4	1.4
120.5°	1.2	1.3	1.4	1.5
121°	1.2	1.4	1.5	1.5
121.5°	1.2	1.4	1.5	1.5
122°	1.2	1.4	1.5	1.5
122.5°	1.3	1.4	1.6	1.5
123°	1.3	1.5	1.6	1.5
123.5°	1.3	1.5	1.6	1.5
124°	1.4	1.5	1.6	1.6
124.5°	1.4	1.5	1.6	1.6
125°	1.4	1.6	1.6	1.6
125.5°	1.4	1.6	1.6	1.6
126°	1.5	1.6	1.7	1.6
126.5°	1.5	1.6	1.7	1.6
127°	1.5	1.6	1.7	1.6
127.5°	1.6	1.7	1.7	1.6
128°	1.6	1.7	1.7	1.6
128.5°	1.6	1.7	1.7	1.7
129°	1.6	1.7	1.7	1.6
129.5°	1.6	1.7	1.7	1.6
130°	1.7	1.7	1.7	1.7
130.5°	1.7	1.7	1.7	1.7
131°	1.7	1.7	1.7	1.7
131.5°	1.7	1.7	1.8	1.7
132°	1.7	1.8	1.8	1.7
132.5°	1.7	1.8	1.8	1.7
133°	1.7	1.8	1.8	1.8
133.5°	1.8	1.8	1.8	1.8



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	1.8	1.8	1.8	1.8
135.5°	1.8	1.9	1.8	1.8
136°	1.9	1.9	1.8	1.8
136.5°	1.9	1.9	1.8	1.8
137°	1.9	2.0	1.8	1.8
137.5°	1.9	2.0	1.8	1.8
138°	1.9	2.0	1.9	1.8
138.5°	1.9	2.0	1.9	1.8
139°	1.9	2.1	1.9	1.8
139.5°	1.9	2.1	1.9	1.9
140°	1.9	2.1	1.9	1.9
140.5°	1.9	2.2	1.9	1.9
141°	1.9	2.2	1.9	1.9
141.5°	1.9	2.2	1.9	1.9
142°	1.9	2.3	1.9	1.9
142.5°	1.9	2.3	1.9	1.9
143°	2.0	2.3	1.9	1.9
143.5°	2.0	2.3	2.0	1.9
144°	2.0	2.4	2.0	2.0
144.5°	2.0	2.4	2.0	2.0
145°	2.1	2.4	2.0	2.0
145.5°	2.1	2.4	2.0	2.0
146°	2.2	2.4	2.0	2.0
146.5°	2.2	2.4	2.0	2.0
147°	2.2	2.4	2.0	2.0
147.5°	2.2	2.4	2.0	2.0
148°	2.3	2.4	2.0	2.0
148.5°	2.3	2.4	1.9	1.9
149°	2.3	2.4	1.9	1.9
149.5°	2.3	2.4	1.9	1.9
150°	2.3	2.4	1.9	1.9
150.5°	2.4	2.4	1.9	1.9
151°	2.4	2.4	1.9	1.9
151.5°	2.4	2.4	1.9	1.9
152°	2.4	2.4	1.9	1.9
152.5°	2.4	2.4	1.9	1.9
153°	2.4	2.4	1.9	1.9
153.5°	2.4	2.4	1.9	1.9
154°	2.4	2.4	1.9	1.9
154.5°	2.4	2.4	1.9	1.9
155°	2.4	2.4	1.9	1.9
155.5°	2.4	2.4	1.9	1.9
156°	2.4	2.4	1.9	1.9



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	2.4	2.3	1.9	1.9
158°	2.4	2.3	1.8	1.9
158.5°	2.4	2.3	1.8	1.9
159°	2.4	2.3	1.8	1.9
159.5°	2.4	2.3	1.8	1.9
160°	2.4	2.3	1.8	1.9
160.5°	2.4	2.3	1.9	1.9
161°	2.4	2.3	1.9	1.9
161.5°	2.4	2.3	1.8	1.9
162°	2.4	2.3	1.8	1.8
162.5°	2.4	2.3	1.8	1.7
163°	2.4	2.3	1.8	1.7
163.5°	2.4	2.2	1.8	1.7
164°	2.4	2.2	1.9	1.6
164.5°	2.3	2.2	1.9	1.6
165°	2.3	2.2	1.8	1.6
165.5°	2.3	2.2	1.8	1.6
166°	2.3	2.1	1.8	1.6
166.5°	2.2	2.0	1.8	1.6
167°	2.2	2.0	1.8	1.5
167.5°	2.2	2.0	1.8	1.3
168°	2.2	2.0	1.8	1.3
168.5°	2.1	1.9	1.6	1.3
169°	2.0	1.7	1.4	1.3
169.5°	1.9	1.4	1.4	1.3
170°	1.9	1.4	1.4	1.3
170.5°	1.9	1.4	1.4	1.3
171°	1.9	1.4	1.4	1.3
171.5°	1.8	1.4	1.4	1.3
172°	1.7	1.4	1.4	1.3
172.5°	1.5	1.4	1.4	1.3
173°	1.4	1.4	1.4	1.3
173.5°	1.4	1.4	1.4	1.3
174°	1.4	1.4	1.4	1.3
174.5°	1.4	1.4	1.3	1.3
175°	1.4	1.4	1.3	1.3
175.5°	1.4	1.4	1.3	1.3
176°	1.4	1.3	1.4	1.3
176.5°	1.4	1.4	1.4	1.3
177°	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	1.4	1.4
178°	1.4	1.4	1.4	1.4
178.5°	1.4	1.4	1.5	1.7



TEST NUMBER: P563531

CATALOG NUMBER: 2NWS23C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	806.8	808.0	797.3	811.1	802.7	801.1	799.0	798.8	796.1	793.7	791.7
22°	803.0	794.2	795.0	806.6	798.7	796.6	794.6	792.2	791.2	788.7	788.2



44°	549.3	548.9	544.2	551.3	540.6	535.1	528.1	522.1	516.0	512.6	510.9
44.5°	543.3	541.8	535.9	544.4	533.7	527.5	520.7	514.9	509.1	505.2	503.9



66.5°	237.4	237.1	234.3	239.3	232.7	229.2	224.3	221.0	217.5	215.3	214.9
67°	230.7	230.4	227.9	231.5	226.5	222.9	218.7	215.6	211.7	209.7	209.0



89°	4.4	5.0	8.5	14.1	19.5	24.5	28.4	31.4	32.9	33.3	32.5
89.5°	3.0	3.8	6.8	12.2	17.4	22.3	26.3	29.2	30.7	31.1	30.3



111.5°	1.4	1.3	1.1	1.0	1.3	1.3	1.3	1.5	1.7	1.8	1.7
112°	1.4	1.3	1.1	1.0	1.3	1.3	1.3	1.5	1.6	1.7	1.7



134°	1.8	1.9	1.8	2.1	2.8	2.1	1.9	1.9	1.8	1.8	1.8
134.5°	1.8	1.9	1.8	2.1	2.8	2.1	2.0	1.9	1.8	1.8	1.8



156.5°	1.9	1.8	2.2	2.2	2.2	2.0	1.8	1.9	2.0	2.0	2.0
157°	1.9	1.8	2.1	2.3	2.2	2.0	1.9	1.8	1.9	1.9	1.9



179°	1.9	1.9	1.8	1.6	1.4	1.3	1.4	1.1	1.2	1.1	1.2
179.5°	1.9	1.9	1.9	1.9	1.6	1.5	1.2	1.2	1.0	1.0	1.0





21.5°	790.6	786.9	792.2	789.3	789.7	789.7	788.9	790.4	796.3	786.2	797.5
22°	788.7	787.5	786.5	785.8	785.7	784.1	786.4	785.5	785.2	779.3	795.9



44°	513.6	516.9	520.3	525.1	525.1	524.7	525.5	525.9	528.0	523.3	534.3
44.5°	506.2	510.9	515.3	517.0	518.8	518.2	518.6	519.3	519.7	516.7	526.7



66.5°	216.2	218.4	220.9	221.9	222.5	221.4	220.8	221.6	222.2	222.6	228.1
67°	210.5	212.5	214.9	215.8	216.1	215.2	214.3	215.3	215.8	216.5	222.0



89°	30.8	27.9	23.8	18.6	13.0	7.5	3.9	1.4	3.6	7.7	13.9
89.5°	28.7	25.8	21.7	16.7	11.3	6.1	2.7	0.2	2.4	6.1	11.7



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



134°	1.9	2.0	2.1	2.8	2.2	1.8	2.0	1.8	1.8	1.8	2.1
134.5°	1.9	2.0	2.1	2.9	2.2	1.8	2.0	1.8	1.8	1.8	2.1



156.5°	1.9	1.8	1.9	2.1	2.3	2.2	2.0	1.9	1.8	2.2	2.4
157°	1.9	1.8	2.0	2.1	2.3	2.2	2.0	1.9	1.8	2.2	2.3



179°	1.2	1.3	1.6	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
179.5°	1.0	1.4	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9





21.5°	793.5	793.2	795.1	797.2	797.1	798.0	798.8	799.7	803.9	806.6	805.3
22°	788.5	789.4	790.9	795.7	794.0	798.3	795.1	796.1	800.0	802.2	802.9



44°	527.3	525.7	523.1	522.6	519.3	520.1	522.0	527.8	535.2	542.1	546.2
44.5°	520.7	518.9	516.3	514.7	510.6	511.8	515.2	521.2	528.6	535.1	539.7



66.5°	226.4	225.9	224.8	223.7	223.2	223.5	225.3	228.8	233.1	236.7	239.9
67°	220.6	219.7	218.8	218.7	217.4	218.2	219.6	222.7	227.1	230.7	233.7



89°	18.9	24.1	28.5	31.9	33.9	34.9	34.7	33.4	30.9	27.1	22.1
89.5°	17.1	21.9	26.1	29.4	31.5	32.4	32.2	30.9	28.4	24.6	19.6



111.5°	2.3	2.9	3.4	3.9	4.2	4.2	4.1	3.9	3.5	2.9	2.2
112°	2.3	2.9	3.4	3.8	4.1	4.2	4.1	3.8	3.5	2.9	2.2



134°	2.0	1.8	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.7	1.8
134.5°	2.2	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.6	1.7	1.8



156.5°	2.3	2.1	2.1	2.2	2.2	2.3	2.2	2.2	2.1	2.2	2.3
157°	2.3	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.2	2.3



179°	1.8	1.9	1.5	1.4	1.3	1.2	0.9	1.0	1.1	1.3	1.4
179.5°	1.9	1.9	1.6	1.4	1.1	1.0	1.0	0.9	1.2	1.1	1.5





21.5°	808.1	806.9	809.7	806.8
22°	803.7	803.9	804.0	803.0



44°	549.9	550.5	550.3	549.3
44.5°	543.3	544.2	544.1	543.3



66.5°	241.0	240.9	239.8	237.4
67°	234.6	234.1	233.1	230.7



89°	16.8	11.1	5.8	4.4
89.5°	14.7	8.6	4.1	3.0



111.5°	1.3	1.0	1.0	1.4
112°	1.3	1.0	1.1	1.4



134°	1.8	1.8	1.8	1.8
134.5°	1.8	1.8	1.8	1.8



156.5°	2.4	2.4	1.9	1.9
157°	2.4	2.4	1.9	1.9



179°	1.4	1.6	1.8	1.9
179.5°	1.6	1.8	1.9	1.9



(END OF REPORT)