

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: A1921872A001

Luminaire Tested:

Test Date: 2019-12-18



Test Information

Test Method: LM-41-14
Report Number: A1921872A001
Test Lab: LEEDARSON
Test Date: 2019-12-18
Issue Date: 2019-12-18 14:44:36
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number:
Description: HLB12LS9FSE010MWR 33W
Light Source: -
Ballast/Driver: -

Summary

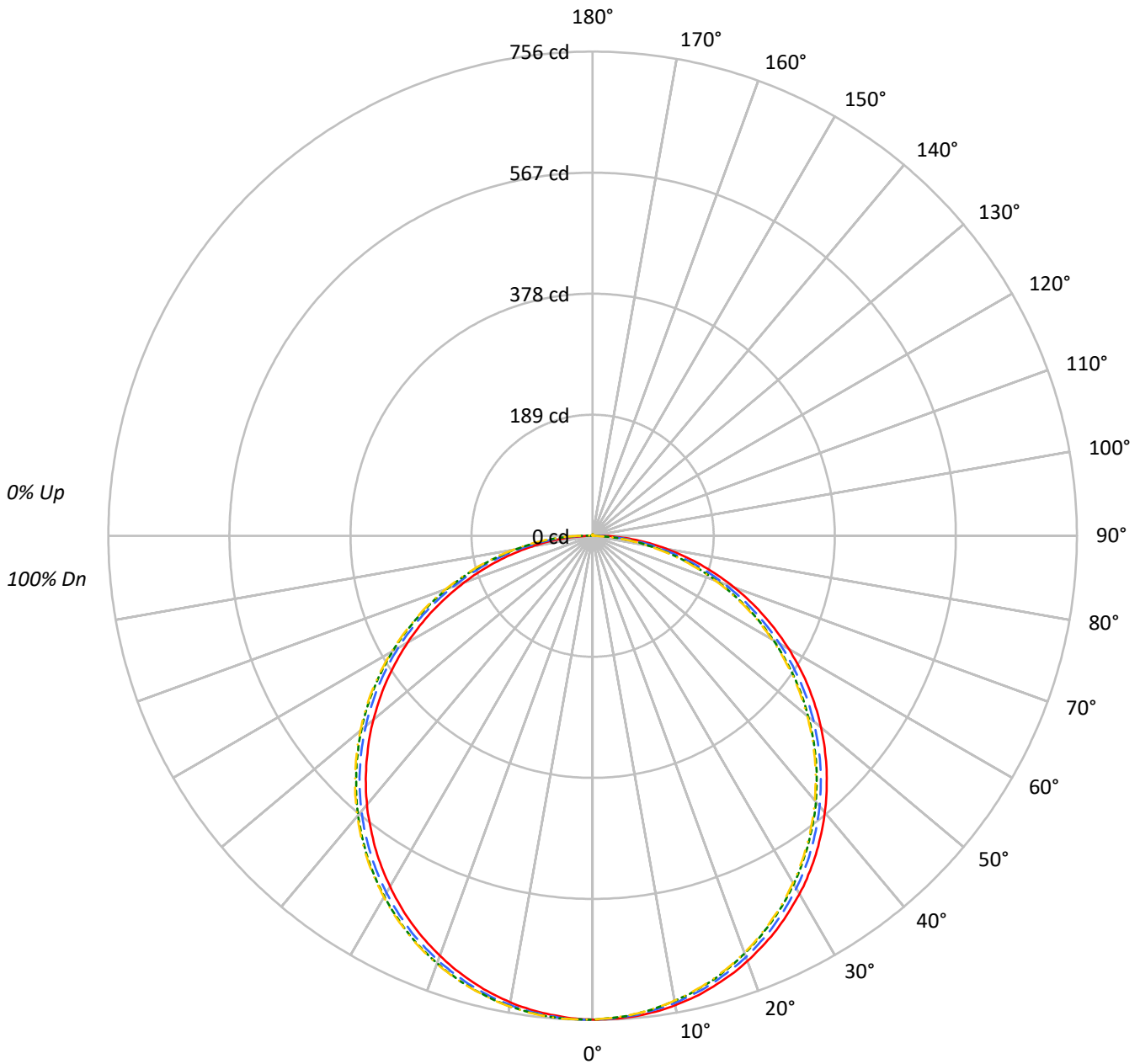
Lumens per Lamp: N/A
Luminaire Lumens: 2227.6 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.3m x H: 0m)
CIE Type: Direct

Input Watts (W): 30.7749
Input Voltage (V): NR
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: A1921872A001

CATALOG NUMBER:

Luminous Intensity Polar Plot





TEST NUMBER: A1921872A001

CATALOG NUMBER:

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	102	102	102	100			100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68			68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57			57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49			49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42			42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	37			37
7	64	50	41	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32			32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29			29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26			26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23			23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10340	10340	10340	10340
5°	10348	10302	10315	10363
10°	10342	10245	10284	10369
15°	10327	10193	10226	10360
20°	10292	10105	10158	10345
25°	10258	10017	10086	10317
30°	10208	9924	9994	10278
35°	10150	9807	9901	10235
40°	10075	9691	9793	10174
45°	9998	9539	9660	10102
50°	9905	9355	9509	10038
55°	9807	9164	9343	9958
60°	9684	8918	9121	9860
65°	9542	8625	8878	9749
70°	9391	8240	8544	9657
75°	9248	7746	8143	9574
80°	9194	7039	7604	9641
85°	9804	5697	6787	10564



TEST NUMBER: A1921872A001

CATALOG NUMBER:

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	3.2
10°-20°	204.7	9.2
20°-30°	310.5	13.9
30°-40°	375.3	16.8
40°-50°	391.6	17.6
50°-60°	358.3	16.1
60°-70°	281.1	12.6
70°-80°	173.6	7.8
80°-90°	58.1	2.6
90°-100°	0.7	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.2	0.0
130°-140°	0.3	0.0
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	586.6	26.3
0°-40°	961.9	43.2
0°-60°	1711.8	76.8
0°-90°	2224.6	99.9
90°-120°	0.9	0.0
90°-150°	1.9	0.1
90°-180°	3.0	0.1
0°-180°	2227.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	755	755	755	755	755	
5°	753	750	751	754	753	72
15°	729	719	722	731	729	206
25°	679	663	668	683	679	313
35°	607	587	593	613	607	380
45°	516	493	499	522	516	398
55°	411	384	392	417	411	367
65°	295	266	274	301	295	292
75°	175	146	154	181	175	185
85°	62	36	43	67	62	62
90°	11	0	0	17	11	7
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	2	2	1	1	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5
0.5°	755.7	755.2	755.2	755.0	755.1	755.2	755.1	755.4	755.3	756.0	755.6
1°	755.4	754.9	755.0	754.8	754.9	754.8	754.6	754.9	755.0	755.8	755.7
1.5°	755.3	755.2	754.7	754.3	754.3	754.4	754.3	754.4	754.7	755.4	755.4
2°	755.0	754.9	754.6	754.0	753.6	754.2	753.8	754.2	754.4	755.3	755.7
2.5°	754.8	754.8	754.2	753.5	753.2	754.0	753.2	753.7	754.1	754.8	755.3
3°	754.8	754.6	753.8	753.1	752.6	753.2	752.4	753.1	753.5	754.2	755.2
3.5°	754.4	754.4	753.3	752.4	752.2	752.1	752.0	752.4	752.9	754.1	754.6
4°	753.9	753.8	752.5	751.6	751.7	750.9	751.2	751.5	752.0	753.5	754.3
4.5°	753.7	753.1	751.7	750.8	750.8	750.3	750.6	750.9	751.3	753.0	753.4
5°	753.2	752.4	751.6	750.1	749.8	749.7	749.6	750.4	750.8	752.1	753.0
5.5°	752.5	751.9	750.8	749.2	748.9	748.9	749.0	749.5	749.9	751.2	752.4
6°	751.9	751.1	749.8	748.3	747.9	747.7	747.9	748.4	748.9	750.5	751.8
6.5°	751.2	750.4	748.7	747.1	746.9	746.8	747.0	747.3	748.3	749.8	750.4
7°	750.3	749.4	747.6	746.4	745.8	745.4	745.4	746.2	747.1	748.6	750.0
7.5°	749.7	748.7	746.5	745.4	744.8	744.0	744.0	744.7	746.2	747.6	749.1
8°	748.8	747.8	745.5	744.2	743.2	743.2	742.9	743.5	744.8	746.5	748.1
8.5°	748.0	746.5	744.4	742.8	742.0	742.0	741.6	742.4	743.8	745.7	746.9
9°	746.8	745.3	743.2	741.2	740.4	740.6	740.1	741.3	742.8	744.5	746.2
9.5°	745.6	743.9	742.2	739.9	738.9	738.8	738.6	739.9	741.4	743.1	745.0
10°	744.1	742.7	740.8	738.8	737.2	737.0	737.0	738.3	739.9	741.6	743.7
10.5°	742.8	741.8	739.2	737.1	736.0	735.5	735.4	736.5	738.2	740.6	742.2
11°	741.4	740.1	737.6	735.5	734.3	733.7	733.8	734.5	736.5	739.0	740.8
11.5°	740.1	738.4	735.7	733.9	732.8	731.9	732.1	733.3	735.0	737.5	739.6
12°	738.9	736.9	734.2	732.2	730.9	730.1	730.4	731.3	733.2	735.8	738.3
12.5°	737.4	735.5	732.4	730.3	728.9	728.3	728.3	729.3	731.4	734.0	736.7
13°	736.0	733.5	731.0	728.6	727.1	726.9	726.4	727.7	729.6	732.3	735.0
13.5°	734.0	731.7	729.3	726.7	725.3	724.8	724.6	726.0	728.0	730.6	733.4
14°	732.1	730.3	727.3	724.8	723.3	722.3	722.4	724.0	725.6	728.8	731.5
14.5°	730.4	728.8	725.2	722.8	721.5	720.5	720.2	722.0	723.8	727.0	729.6
15°	728.8	726.9	723.5	720.5	719.3	718.4	718.1	719.7	721.7	724.9	727.8
15.5°	726.5	724.4	721.2	718.2	717.1	715.8	715.8	717.0	719.6	723.6	726.1
16°	724.7	722.1	718.9	716.1	714.5	713.7	713.3	715.1	717.2	721.9	723.8
16.5°	722.6	720.1	716.6	713.8	712.1	711.2	710.9	713.2	715.1	719.3	721.5
17°	720.7	718.4	714.3	711.3	709.7	708.8	708.7	710.1	712.8	716.8	719.5
17.5°	718.7	716.0	712.0	709.0	707.4	706.1	706.2	707.3	710.6	714.2	717.4
18°	716.5	713.8	709.6	706.5	705.1	703.6	703.6	704.8	708.0	711.4	715.0
18.5°	714.0	711.5	707.4	704.1	702.2	700.7	700.8	702.6	705.5	708.7	712.6
19°	711.7	708.8	705.0	701.4	699.3	698.0	698.2	700.2	702.8	706.5	710.4
19.5°	709.0	706.3	702.4	698.5	696.6	695.4	695.3	697.4	700.2	704.0	708.3
20°	706.6	704.0	700.0	696.1	693.8	692.6	692.9	695.0	697.4	701.7	705.7
20.5°	704.1	701.3	697.2	693.3	691.3	690.2	689.7	692.2	694.8	699.4	702.9
21°	701.6	698.6	694.6	690.5	688.3	687.1	687.0	689.5	692.0	696.8	700.2



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	693.4	690.1	685.8	681.7	679.5	678.3	677.7	680.2	683.5	688.5	692.1
23°	690.4	687.5	683.2	679.1	676.3	675.3	674.7	676.9	680.3	685.5	689.3
23.5°	687.8	684.6	680.2	676.1	673.0	672.1	671.3	673.9	677.4	682.4	686.5
24°	685.2	681.5	677.3	672.9	669.9	668.8	668.6	670.9	674.2	679.3	683.7
24.5°	681.9	678.2	674.1	669.8	666.8	665.7	665.2	667.3	671.1	676.2	680.8
25°	679.3	675.3	670.6	666.4	663.3	662.5	661.7	664.2	667.9	673.0	677.5
25.5°	675.9	672.0	667.3	662.9	660.2	659.0	658.3	660.9	664.5	669.9	674.1
26°	672.7	668.7	663.9	659.5	656.8	655.4	655.2	657.5	661.2	666.3	670.8
26.5°	669.4	665.6	660.5	656.1	653.3	652.0	651.8	654.0	658.1	663.1	667.7
27°	666.1	662.7	657.1	652.4	649.9	648.7	648.1	650.8	654.3	660.0	664.7
27.5°	662.6	659.2	653.6	649.2	646.4	645.1	644.3	647.2	650.7	656.6	661.2
28°	659.5	656.0	650.4	645.4	642.8	641.2	640.9	643.6	647.2	652.9	657.6
28.5°	655.9	652.0	646.7	642.0	638.9	637.3	637.1	639.9	643.7	649.1	654.2
29°	652.5	648.7	642.9	638.2	635.3	633.6	633.2	636.3	640.0	645.6	650.7
29.5°	649.0	644.9	639.4	634.4	631.4	630.0	629.3	632.4	636.3	641.7	647.1
30°	645.9	641.5	635.8	630.7	627.9	626.2	625.8	628.6	632.4	638.2	643.7
30.5°	642.2	637.5	631.9	626.9	623.9	622.4	622.2	624.5	628.6	634.5	639.7
31°	638.9	634.0	628.2	623.1	620.3	618.3	618.4	620.8	624.8	630.8	636.2
31.5°	634.8	630.2	624.3	618.9	616.1	614.1	613.9	616.8	621.1	626.9	632.4
32°	631.3	626.2	620.4	615.0	612.3	610.2	609.9	612.7	617.1	623.1	628.6
32.5°	627.1	622.2	616.2	610.7	607.8	605.9	605.9	608.8	613.2	619.2	624.7
33°	623.4	618.3	612.3	606.9	603.9	601.9	602.1	604.8	609.0	615.3	621.1
33.5°	619.3	614.3	608.4	602.6	599.6	597.6	598.0	600.4	605.1	611.4	616.9
34°	615.4	610.2	604.3	598.6	595.7	593.5	593.4	596.4	601.0	607.1	613.1
34.5°	611.3	606.0	599.8	594.4	591.5	589.5	589.2	592.1	596.8	603.2	608.8
35°	607.5	602.1	595.8	590.0	586.9	585.1	584.9	587.7	592.6	598.9	604.8
35.5°	603.2	597.6	591.4	585.6	582.5	581.0	580.7	583.5	588.3	594.8	600.4
36°	599.2	593.7	587.3	581.1	578.2	576.9	576.5	579.3	583.6	590.7	596.6
36.5°	594.6	589.3	582.7	576.5	573.9	572.1	571.9	574.8	579.2	586.4	592.1
37°	590.6	585.2	578.4	572.1	569.8	567.9	567.3	570.2	574.8	581.8	587.9
37.5°	586.2	580.7	574.0	567.7	565.1	563.3	563.0	565.7	570.4	577.2	583.5
38°	581.9	576.0	569.5	563.2	560.7	558.8	558.3	561.5	566.2	573.0	579.3
38.5°	577.2	571.6	564.8	558.6	556.2	554.2	553.8	556.9	561.6	568.6	574.8
39°	572.9	567.2	560.4	553.9	551.7	549.4	548.9	552.1	557.6	564.2	570.5
39.5°	568.4	562.6	555.7	549.1	547.0	545.0	544.5	547.7	552.9	559.5	565.7
40°	563.9	558.0	551.2	544.4	542.4	540.0	539.8	543.0	548.1	555.2	561.2
40.5°	559.4	553.2	546.3	539.8	537.5	535.5	535.0	538.0	543.3	550.4	556.7
41°	554.8	548.7	541.6	535.0	532.4	530.7	530.2	533.4	538.9	545.8	552.2
41.5°	550.1	543.8	536.9	530.0	527.5	525.6	525.0	528.8	533.9	540.9	547.6
42°	545.3	538.9	532.2	525.2	522.5	520.5	520.5	523.7	528.9	536.4	543.0
42.5°	540.6	534.2	527.1	520.6	517.7	515.5	515.8	518.8	524.1	531.5	537.9
43°	535.9	529.5	522.4	515.5	512.9	511.1	510.7	513.8	519.4	526.6	533.1
43.5°	531.0	524.8	517.5	510.3	507.9	505.8	505.6	508.8	514.2	521.6	528.6



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	516.5	509.8	502.2	495.3	492.8	490.7	490.4	493.5	499.0	506.6	513.6
45.5°	511.6	504.7	497.2	490.2	487.5	485.5	485.4	488.7	493.8	501.6	508.7
46°	506.5	499.9	492.3	485.1	482.3	480.4	480.1	483.3	488.6	496.5	503.6
46.5°	501.6	494.6	487.2	479.9	477.1	475.2	474.9	478.2	484.0	491.3	498.6
47°	496.2	489.8	481.8	474.6	471.8	469.9	469.5	472.9	478.8	486.2	493.5
47.5°	491.3	484.6	476.6	469.4	466.5	464.3	464.2	467.5	473.7	481.0	488.4
48°	486.5	479.4	471.4	464.1	461.2	459.0	458.9	462.3	468.2	475.8	483.2
48.5°	481.2	474.1	466.2	458.9	455.9	453.8	453.6	457.0	462.9	470.6	478.2
49°	475.9	469.0	460.7	453.6	450.5	448.2	448.1	451.7	457.5	465.4	472.7
49.5°	470.6	463.5	455.7	448.2	444.8	442.7	442.6	446.1	452.1	459.8	467.5
50°	465.2	458.4	450.3	442.6	439.3	437.3	437.3	440.6	446.6	454.4	462.0
50.5°	460.0	453.3	445.0	437.2	434.1	431.6	431.5	435.2	441.1	449.1	456.8
51°	455.0	448.0	439.5	431.5	428.5	426.2	426.0	429.5	435.4	443.5	451.4
51.5°	449.6	442.4	434.1	426.3	423.2	420.7	420.7	424.2	430.2	438.0	446.0
52°	444.2	437.0	428.7	420.8	417.6	415.2	415.1	418.7	424.6	432.5	440.6
52.5°	438.5	431.4	423.4	415.4	412.3	409.7	409.7	413.1	419.2	427.1	435.0
53°	433.1	426.0	417.8	409.5	406.8	404.2	404.1	407.5	413.7	421.9	429.7
53.5°	427.8	420.6	412.2	404.1	401.0	398.4	398.7	402.2	408.2	416.3	424.1
54°	422.1	414.9	406.4	398.1	395.1	393.0	392.7	396.5	402.7	410.7	418.8
54.5°	416.8	409.2	400.7	392.5	389.7	387.4	386.9	390.8	397.1	405.3	413.4
55°	411.0	403.6	395.0	386.8	384.0	381.6	381.6	385.3	391.6	399.8	407.9
55.5°	405.6	397.9	389.4	381.1	378.2	375.7	375.5	379.3	385.7	393.9	402.0
56°	399.9	392.2	383.5	375.4	372.3	369.7	369.5	373.5	379.7	388.3	396.5
56.5°	394.3	386.4	377.8	369.6	366.7	363.8	363.5	367.8	374.1	382.5	390.6
57°	388.3	380.6	372.2	363.6	360.6	358.1	358.1	361.8	368.3	376.9	385.1
57.5°	382.7	374.7	366.1	358.0	355.0	352.3	352.2	356.2	362.4	370.9	379.3
58°	376.7	369.0	360.4	352.4	349.2	346.2	346.3	350.4	356.7	365.2	373.8
58.5°	371.2	363.5	354.8	346.5	343.3	340.5	340.5	344.6	351.0	359.4	368.0
59°	365.1	357.6	349.2	340.7	337.4	334.5	334.5	338.7	345.2	353.8	362.3
59.5°	359.4	351.7	343.1	334.7	331.7	328.9	328.6	332.7	339.2	347.7	356.3
60°	353.8	345.8	337.2	328.8	325.8	322.8	322.8	327.1	333.2	341.9	350.7
60.5°	347.8	340.0	331.3	323.0	319.9	317.1	317.0	321.1	327.6	336.0	344.9
61°	341.9	334.0	325.4	317.3	313.9	311.2	311.2	315.4	321.6	330.1	339.1
61.5°	336.1	328.1	319.5	311.1	308.2	305.3	305.3	309.4	315.8	324.1	333.2
62°	330.0	322.2	313.5	305.2	302.4	299.3	299.6	303.8	310.0	318.3	327.4
62.5°	324.2	316.2	307.5	299.4	296.3	293.5	293.4	297.6	304.0	312.2	321.4
63°	318.4	310.3	301.6	293.6	290.5	287.4	287.7	291.8	297.8	306.5	315.7
63.5°	312.4	304.5	295.8	287.8	284.6	281.6	281.7	285.7	292.0	300.5	309.6
64°	306.4	298.2	289.7	281.8	278.5	275.6	275.5	279.8	286.1	294.6	303.7
64.5°	300.5	292.6	283.9	275.8	272.3	269.5	269.3	273.6	280.1	288.5	297.7
65°	294.6	286.8	278.0	269.9	266.3	263.1	263.4	267.4	274.1	282.6	291.9
65.5°	288.9	280.8	272.2	263.8	260.2	257.1	257.2	261.4	268.0	276.6	285.8
66°	282.8	274.9	266.0	258.0	254.1	251.0	251.1	255.4	261.8	270.5	279.8



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	264.7	256.6	248.0	239.7	236.1	232.7	233.0	237.1	243.4	252.5	261.4
68°	258.9	250.6	242.1	233.7	229.9	226.7	226.9	231.1	237.5	246.4	255.6
68.5°	252.9	244.4	236.2	227.6	223.9	220.8	220.9	224.9	231.6	240.3	249.4
69°	246.8	238.3	229.9	221.8	218.2	214.7	215.1	219.1	225.3	234.1	243.7
69.5°	240.7	232.2	223.7	215.6	212.1	208.7	209.0	213.0	219.5	228.0	237.3
70°	234.7	226.2	217.9	209.6	205.9	202.3	202.8	206.8	213.5	222.0	231.4
70.5°	228.6	220.2	211.8	203.5	200.0	196.3	196.8	200.9	207.6	216.2	225.3
71°	222.7	214.3	205.8	197.6	194.0	190.5	191.0	194.8	201.6	210.1	219.3
71.5°	216.4	208.2	199.8	191.5	187.9	184.5	184.9	188.9	195.6	204.0	213.4
72°	210.3	202.1	194.1	185.6	182.1	178.5	178.9	182.9	189.4	198.0	207.4
72.5°	204.5	196.3	188.0	179.5	176.1	172.4	173.0	176.8	183.5	192.1	201.2
73°	198.4	190.3	182.1	173.7	170.1	166.5	167.1	170.8	177.5	186.0	195.1
73.5°	192.3	184.3	176.2	167.9	164.0	160.4	161.1	165.0	171.7	180.1	189.4
74°	186.6	178.5	170.2	161.8	158.3	154.7	155.1	159.1	165.7	174.1	183.5
74.5°	180.6	172.5	164.2	156.0	152.4	148.8	149.5	153.2	159.8	168.3	177.3
75°	174.9	166.3	158.4	150.2	146.5	142.8	143.4	147.2	154.0	162.4	171.4
75.5°	168.7	160.8	152.6	144.4	140.6	137.0	137.6	141.3	148.2	156.6	165.5
76°	162.9	155.1	146.7	138.6	134.8	131.1	131.7	135.4	142.3	150.8	159.6
76.5°	157.0	149.2	140.9	132.7	128.9	125.1	125.7	129.5	136.3	144.8	153.9
77°	151.4	143.2	135.0	127.0	123.2	119.6	120.2	123.7	130.5	138.9	148.1
77.5°	145.5	137.6	129.4	121.3	117.6	113.7	114.4	118.0	124.8	133.1	142.3
78°	139.6	131.9	123.6	115.6	111.9	108.1	108.8	112.2	119.0	127.3	136.4
78.5°	133.8	126.1	118.1	110.1	106.1	102.3	102.9	106.6	113.3	121.6	130.5
79°	127.9	120.3	112.4	104.2	100.5	96.7	97.2	100.8	107.6	115.9	124.8
79.5°	122.3	114.9	106.7	98.7	94.7	91.0	91.7	95.1	102.0	110.1	119.0
80°	116.7	109.3	101.1	93.2	89.3	85.6	86.2	89.5	96.5	104.5	113.3
80.5°	111.0	103.9	95.6	87.9	83.8	80.2	80.8	84.3	90.9	98.8	107.6
81°	105.5	98.1	90.1	82.5	78.4	74.8	75.4	78.7	85.5	93.3	102.1
81.5°	100.1	92.9	84.8	77.0	72.9	69.4	69.7	73.2	80.0	87.9	96.5
82°	94.7	87.6	79.4	71.4	67.5	64.0	64.5	67.8	74.6	82.3	90.8
82.5°	89.3	82.2	73.8	65.9	62.0	58.5	59.1	62.7	69.2	77.0	85.5
83°	84.0	76.8	68.4	60.5	56.8	53.4	54.0	57.3	63.9	71.8	80.2
83.5°	78.4	71.3	62.8	55.1	51.6	48.2	48.7	52.2	58.7	66.5	74.9
84°	73.1	65.9	57.4	49.8	46.4	43.1	43.4	47.0	53.4	61.1	69.4
84.5°	67.7	60.6	52.3	44.4	41.4	38.0	38.5	41.9	48.4	56.0	64.2
85°	62.4	55.4	47.0	39.2	36.3	32.8	33.4	36.8	43.2	50.7	58.8
85.5°	57.1	50.2	41.6	33.9	31.1	28.0	28.4	31.9	38.0	45.6	53.6
86°	51.9	44.9	36.6	28.9	26.2	23.1	23.6	27.0	32.9	40.6	48.4
86.5°	46.6	39.7	31.3	23.8	21.2	18.4	18.8	22.1	28.1	35.6	43.4
87°	41.4	34.5	26.3	19.0	16.5	13.9	14.1	17.5	23.0	30.7	38.3
87.5°	36.4	29.3	21.5	14.2	11.7	9.2	9.4	12.7	18.4	25.6	33.3
88°	31.2	24.2	16.5	9.3	7.3	4.8	5.0	8.1	13.6	20.8	28.2
88.5°	26.3	19.3	11.4	4.7	2.8	0.8	0.9	3.6	8.8	16.1	23.5



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	11.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.1
90.5°	6.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
91°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
91.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
111°	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0
113°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0
113.5°	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.0
114°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
114.5°	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0
115°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.1
115.5°	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.3	0.3	0.1
116°	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.1
116.5°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1
117°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0
117.5°	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.1
118°	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.1
118.5°	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.1
119°	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.2
119.5°	0.1	0.2	0.1	0.1	0.3	0.1	0.3	0.3	0.3	0.2	0.2
120°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.2	0.2
120.5°	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1
121°	0.1	0.2	0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.2	0.3
121.5°	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.3
122°	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.3	0.2	0.2
122.5°	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.3	0.2	0.2
123°	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2
123.5°	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.4	0.3	0.3	0.2
124°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2
124.5°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2
125°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.5	0.3	0.3	0.2
125.5°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.5	0.3	0.3	0.2
126°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.4	0.3	0.3	0.2
126.5°	0.1	0.2	0.1	0.1	0.3	0.4	0.3	0.4	0.3	0.3	0.3
127°	0.1	0.2	0.1	0.1	0.3	0.4	0.3	0.4	0.3	0.4	0.3
127.5°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.4	0.3	0.4	0.3
128°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.4	0.3	0.3	0.3
128.5°	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.4	0.3	0.3	0.3
129°	0.1	0.2	0.1	0.1	0.3	0.3	0.4	0.4	0.3	0.3	0.3
129.5°	0.1	0.2	0.1	0.1	0.3	0.3	0.4	0.4	0.3	0.3	0.3
130°	0.1	0.2	0.1	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
130.5°	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
131°	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
131.5°	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.3
132°	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3
132.5°	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.3	0.3
133°	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3
133.5°	0.1	0.3	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.3	0.3



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.6	0.5	0.3	0.4	0.5	0.5	0.5	0.5	0.3
135.5°	0.3	0.3	0.6	0.6	0.3	0.4	0.5	0.5	0.5	0.5	0.3
136°	0.3	0.4	0.6	0.6	0.3	0.4	0.5	0.5	0.5	0.5	0.3
136.5°	0.3	0.4	0.6	0.9	0.3	0.4	0.5	0.5	0.5	0.5	0.3
137°	0.3	0.6	0.9	0.9	0.3	0.4	0.5	0.5	0.5	0.5	0.3
137.5°	0.4	0.7	1.0	0.9	0.3	0.4	0.5	0.5	0.5	0.5	0.3
138°	0.4	0.8	1.0	0.9	0.4	0.4	0.5	0.5	0.5	0.5	0.3
138.5°	0.5	0.9	1.0	0.9	0.4	0.4	0.5	0.5	0.5	0.5	0.3
139°	0.5	1.1	1.1	1.1	0.4	0.4	0.5	0.5	0.5	0.5	0.4
139.5°	0.6	1.1	1.1	1.1	0.5	0.4	0.5	0.6	0.6	0.5	0.4
140°	0.7	1.0	1.1	1.0	0.5	0.5	0.5	0.6	0.6	0.5	0.5
140.5°	0.7	1.0	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
141°	0.9	1.1	1.1	1.3	0.5	0.5	0.5	0.6	0.5	0.5	0.4
141.5°	1.0	1.1	1.1	1.2	0.5	0.5	0.5	0.6	0.5	0.6	0.5
142°	0.9	1.2	1.1	1.2	0.5	0.5	0.5	0.6	0.6	0.6	0.5
142.5°	1.0	1.1	1.1	1.2	0.5	0.5	0.5	0.6	0.6	0.5	0.5
143°	1.0	1.1	1.2	1.2	0.5	0.5	0.5	0.7	0.5	0.5	0.5
143.5°	1.0	1.1	1.2	1.2	0.5	0.5	0.5	0.7	0.7	0.5	0.5
144°	1.0	1.1	1.1	1.2	0.5	0.5	0.7	0.7	0.7	0.6	0.5
144.5°	1.0	1.1	1.1	1.2	0.7	0.5	0.7	0.7	0.6	0.6	0.5
145°	1.0	1.1	1.1	1.2	0.7	0.5	0.6	0.7	0.7	0.6	0.5
145.5°	1.0	1.1	1.1	1.2	0.6	0.5	0.7	0.7	0.7	0.7	0.5
146°	1.0	1.1	1.1	1.2	0.7	0.5	0.7	0.7	0.7	0.7	0.5
146.5°	1.0	1.1	1.1	1.2	0.7	0.5	0.7	0.7	0.7	0.7	0.5
147°	1.0	1.1	1.1	1.2	0.7	0.5	0.7	0.7	0.7	0.7	0.6
147.5°	1.0	1.1	1.1	1.2	0.7	0.7	0.7	0.8	0.7	0.7	0.6
148°	1.0	1.1	1.1	1.2	0.7	0.7	0.7	0.8	0.8	0.8	0.7
148.5°	1.0	1.1	1.1	1.2	0.8	0.7	0.8	0.9	0.8	0.7	0.7
149°	1.0	1.1	1.1	1.2	0.7	0.7	0.8	0.9	0.8	0.7	0.8
149.5°	1.0	1.1	1.1	1.2	0.9	0.7	0.7	0.9	0.9	0.8	0.7
150°	1.0	1.1	1.1	1.2	0.8	0.9	0.7	0.9	0.9	0.9	0.7
150.5°	1.0	1.1	1.1	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.8
151°	1.0	1.1	1.1	1.2	0.9	0.9	0.9	1.0	0.9	0.9	0.8
151.5°	1.0	1.1	1.1	1.2	0.9	0.9	0.9	1.0	0.9	1.0	0.9
152°	1.0	1.1	1.1	1.2	0.9	0.9	0.8	0.9	1.0	1.0	0.9
152.5°	1.0	1.1	1.1	1.2	1.0	0.9	0.9	1.0	1.1	1.0	0.9
153°	1.0	1.1	1.1	1.2	1.0	0.9	1.0	1.0	1.1	0.9	0.9
153.5°	1.0	1.1	1.1	1.2	0.9	0.9	1.0	1.0	1.1	1.1	0.9
154°	1.0	1.1	1.1	1.2	1.1	1.0	1.1	1.0	1.1	1.1	0.9
154.5°	1.0	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.1	1.0
155°	1.0	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.2	1.1	1.1
155.5°	1.0	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1
156°	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.3
158°	1.0	1.2	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.3
158.5°	1.0	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.3	1.4	1.3
159°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.5	1.3	1.4	1.3
159.5°	1.1	1.3	1.3	1.2	1.5	1.3	1.4	1.5	1.3	1.5	1.3
160°	1.1	1.2	1.3	1.2	1.5	1.4	1.5	1.5	1.5	1.5	1.4
160.5°	1.1	1.2	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161°	1.1	1.2	1.3	1.2	1.6	1.5	1.5	1.5	1.5	1.5	1.5
161.5°	1.1	1.3	1.3	1.3	1.6	1.5	1.5	1.6	1.5	1.5	1.5
162°	1.1	1.3	1.3	1.2	1.5	1.5	1.6	1.6	1.5	1.6	1.5
162.5°	1.1	1.3	1.3	1.3	1.6	1.5	1.6	1.6	1.6	1.6	1.6
163°	1.1	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
163.5°	1.2	1.3	1.3	1.3	1.7	1.6	1.6	1.6	1.6	1.7	1.6
164°	1.3	1.4	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.7	1.5
164.5°	1.3	1.3	1.3	1.4	1.7	1.6	1.6	1.6	1.7	1.8	1.5
165°	1.3	1.3	1.3	1.3	1.8	1.6	1.7	1.7	1.6	1.8	1.6
165.5°	1.3	1.3	1.3	1.3	1.7	1.6	1.7	1.8	1.6	1.7	1.6
166°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.8	1.6	1.7	1.7
166.5°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.8	1.8	1.7	1.7
167°	1.3	1.4	1.3	1.3	1.8	1.7	1.8	1.8	1.7	1.7	1.8
167.5°	1.4	1.5	1.3	1.4	1.8	1.8	1.8	1.8	1.8	1.7	1.8
168°	1.4	1.5	1.3	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
168.5°	1.4	1.6	1.3	1.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
169°	1.6	1.8	1.4	1.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
169.5°	1.7	1.9	1.6	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9
170°	1.8	2.0	1.6	1.9	1.8	1.9	1.8	1.8	1.8	1.9	2.0
170.5°	1.8	2.0	1.6	1.9	1.8	1.9	2.0	1.8	1.8	1.9	1.9
171°	1.8	2.0	1.6	1.9	1.9	1.9	2.0	1.8	1.8	1.9	1.9
171.5°	2.0	2.0	1.7	2.0	1.9	2.0	2.0	1.8	1.8	2.0	1.9
172°	2.0	2.1	1.7	2.0	1.9	2.0	2.0	1.8	1.8	2.0	2.0
172.5°	2.0	2.0	1.7	2.0	1.9	2.0	2.0	1.8	1.8	2.0	2.0
173°	2.1	2.2	1.7	2.0	1.9	2.0	2.0	1.8	1.8	2.0	2.0
173.5°	2.1	2.2	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
174°	2.1	2.1	1.7	2.0	1.8	2.1	2.0	1.8	1.8	2.0	2.0
174.5°	2.1	2.1	1.7	2.0	1.8	2.1	2.0	1.8	1.8	2.0	2.0
175°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
175.5°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
176°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
176.5°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
177°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
177.5°	2.1	2.1	1.7	2.0	1.9	2.0	2.0	1.8	1.8	2.0	2.0
178°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
178.5°	2.1	2.1	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	755.5	755.5	755.5	755.5	755.5	755.5
0.5°	755.9	755.5	756.5	755.6	755.7	755.7
1°	755.9	755.5	756.4	755.7	755.7	755.4
1.5°	755.7	755.5	756.3	755.7	755.3	755.3
2°	755.4	755.6	756.5	755.5	755.4	755.0
2.5°	755.0	755.5	756.4	755.5	755.1	754.8
3°	754.9	755.2	756.2	755.3	755.4	754.8
3.5°	754.9	755.0	755.7	755.5	755.1	754.4
4°	754.7	755.1	755.6	755.0	754.7	753.9
4.5°	753.9	754.6	755.2	754.7	754.1	753.7
5°	753.7	754.2	754.2	754.2	753.8	753.2
5.5°	752.9	753.7	753.5	753.8	753.4	752.5
6°	752.2	752.9	753.2	753.2	753.0	751.9
6.5°	751.5	752.0	752.9	752.7	752.0	751.2
7°	751.0	751.5	752.4	751.9	751.2	750.3
7.5°	750.1	750.7	751.5	751.4	750.3	749.7
8°	749.1	749.9	750.4	750.3	749.4	748.8
8.5°	748.4	748.9	749.5	749.4	748.5	748.0
9°	747.3	748.0	748.8	748.3	747.7	746.8
9.5°	746.1	747.0	748.1	747.4	746.5	745.6
10°	744.8	746.1	746.6	746.5	745.5	744.1
10.5°	743.5	744.8	745.8	745.3	744.1	742.8
11°	742.5	743.5	745.0	744.1	743.1	741.4
11.5°	741.2	742.2	743.8	742.6	741.6	740.1
12°	739.5	740.9	742.3	741.3	740.4	738.9
12.5°	738.2	739.3	741.0	739.9	739.2	737.4
13°	736.8	737.7	739.6	738.3	737.7	736.0
13.5°	735.5	736.1	737.8	736.6	735.8	734.0
14°	733.6	734.6	735.5	735.0	734.4	732.1
14.5°	731.9	733.0	733.5	733.4	732.5	730.4
15°	730.0	731.1	732.2	731.7	730.6	728.8
15.5°	728.0	729.2	730.9	729.9	728.8	726.5
16°	725.9	727.6	729.4	728.0	727.2	724.7
16.5°	724.2	725.8	727.4	726.2	725.4	722.6
17°	722.4	723.6	725.5	724.3	723.0	720.7
17.5°	720.2	721.4	723.6	722.2	720.6	718.7
18°	717.5	719.3	720.8	720.2	718.6	716.5
18.5°	715.6	717.2	718.9	717.9	716.5	714.0
19°	713.5	715.0	716.8	715.8	714.3	711.7
19.5°	711.1	712.8	715.0	713.6	712.1	709.0
20°	708.7	710.2	712.3	711.4	709.8	706.6
20.5°	706.0	707.8	709.9	708.9	707.4	704.1
21°	703.5	705.3	707.0	706.2	704.8	701.6



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	696.0	697.8	698.8	698.6	696.8	693.4
23°	693.4	694.9	696.3	696.0	694.2	690.4
23.5°	690.6	692.1	693.7	693.2	691.3	687.8
24°	687.6	689.3	691.1	690.0	688.6	685.2
24.5°	684.6	686.4	688.3	687.3	685.7	681.9
25°	681.4	683.1	685.6	684.3	682.6	679.3
25.5°	678.5	680.4	682.6	681.1	679.4	675.9
26°	674.9	677.0	679.7	677.9	676.2	672.7
26.5°	672.0	673.9	676.7	675.1	673.0	669.4
27°	668.7	670.6	673.2	671.7	669.9	666.1
27.5°	665.5	667.4	669.8	668.6	666.7	662.6
28°	662.2	664.0	666.4	665.4	663.3	659.5
28.5°	658.7	661.0	663.2	662.2	660.1	655.9
29°	655.4	657.5	659.7	658.7	656.8	652.5
29.5°	651.9	654.1	656.6	655.4	653.6	649.0
30°	648.3	650.3	652.9	651.8	650.0	645.9
30.5°	644.6	646.8	649.5	648.0	646.3	642.2
31°	640.8	643.1	646.0	644.2	642.5	638.9
31.5°	637.2	639.7	642.4	640.7	638.6	634.8
32°	633.6	635.7	638.4	637.1	634.9	631.3
32.5°	629.8	632.1	634.1	633.6	631.3	627.1
33°	625.8	628.5	630.2	629.8	627.4	623.4
33.5°	622.1	624.7	626.8	626.0	623.4	619.3
34°	618.1	620.6	622.9	622.2	619.8	615.4
34.5°	614.3	616.5	619.0	618.5	615.7	611.3
35°	610.1	612.5	615.1	614.3	611.8	607.5
35.5°	605.6	608.5	611.1	610.3	607.6	603.2
36°	601.6	604.2	606.9	606.1	603.5	599.2
36.5°	597.4	600.0	602.9	601.8	599.1	594.6
37°	593.2	595.8	598.6	597.5	595.0	590.6
37.5°	589.1	591.5	594.3	593.7	590.9	586.2
38°	584.9	587.2	590.0	589.1	586.5	581.9
38.5°	580.6	582.9	585.6	585.0	582.2	577.2
39°	575.9	578.4	581.3	580.2	577.9	572.9
39.5°	571.4	574.1	576.9	575.9	573.4	568.4
40°	567.1	569.5	572.5	571.5	568.7	563.9
40.5°	562.3	565.0	567.7	567.2	564.0	559.4
41°	557.8	560.5	563.2	562.4	559.6	554.8
41.5°	553.3	555.8	558.7	557.8	554.9	550.1
42°	548.9	551.0	554.2	553.1	550.3	545.3
42.5°	544.2	546.4	549.4	548.5	545.6	540.6
43°	539.3	541.4	544.7	543.6	540.7	535.9
43.5°	534.7	536.4	539.9	538.8	536.0	531.0



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	520.0	521.9	525.0	524.1	521.3	516.5
45.5°	515.0	517.0	520.0	519.3	516.3	511.6
46°	510.3	512.3	515.0	514.1	511.4	506.5
46.5°	505.0	507.0	510.2	509.3	506.2	501.6
47°	499.8	502.0	505.4	504.2	501.4	496.2
47.5°	494.8	496.8	500.3	499.4	496.2	491.3
48°	489.8	492.0	495.2	494.2	491.2	486.5
48.5°	484.2	487.0	490.1	489.2	486.2	481.2
49°	479.2	481.7	485.0	484.1	481.3	475.9
49.5°	474.1	476.2	479.6	478.6	475.8	470.6
50°	468.7	471.4	474.2	473.4	470.5	465.2
50.5°	463.5	466.1	468.9	468.2	465.3	460.0
51°	458.1	460.6	464.0	462.8	459.8	455.0
51.5°	452.8	455.5	458.7	457.5	454.5	449.6
52°	447.2	450.0	453.6	452.4	449.3	444.2
52.5°	441.9	444.5	447.8	447.0	444.0	438.5
53°	436.5	439.4	442.4	441.6	438.7	433.1
53.5°	431.0	433.7	436.8	436.1	433.0	427.8
54°	425.4	428.4	431.6	430.5	427.7	422.1
54.5°	420.2	423.0	425.9	425.2	422.5	416.8
55°	414.8	417.3	420.6	419.8	416.8	411.0
55.5°	408.9	411.7	415.1	414.4	411.0	405.6
56°	403.6	406.0	409.1	408.5	405.5	399.9
56.5°	397.9	400.5	403.7	403.0	399.9	394.3
57°	392.2	394.6	397.8	397.3	394.2	388.3
57.5°	386.7	389.2	392.2	391.6	388.4	382.7
58°	380.9	383.3	386.5	385.8	382.8	376.7
58.5°	375.1	377.6	380.9	380.0	377.2	371.2
59°	369.3	371.9	374.8	374.2	371.2	365.1
59.5°	363.8	366.1	369.0	368.6	365.5	359.4
60°	358.0	360.2	363.0	362.3	359.7	353.8
60.5°	352.5	354.7	357.3	356.6	353.9	347.8
61°	346.5	348.5	351.6	351.1	348.2	341.9
61.5°	340.8	342.8	346.0	345.4	342.4	336.1
62°	334.8	336.8	339.9	339.5	336.4	330.0
62.5°	329.1	331.0	333.9	333.3	330.4	324.2
63°	323.1	324.9	328.0	327.4	324.4	318.4
63.5°	317.2	319.0	322.1	321.5	318.6	312.4
64°	311.1	313.0	316.3	315.6	312.8	306.4
64.5°	305.3	307.3	310.2	309.7	306.9	300.5
65°	299.2	301.0	304.2	303.9	301.0	294.6
65.5°	293.4	295.3	298.1	298.0	294.8	288.9
66°	287.4	289.5	292.3	292.1	289.0	282.8



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	269.5	271.6	274.2	274.3	271.1	264.7
68°	263.4	265.4	268.3	268.4	265.2	258.9
68.5°	257.3	259.4	262.3	262.4	259.1	252.9
69°	251.5	253.5	256.5	256.4	253.2	246.8
69.5°	245.3	247.5	250.3	250.2	246.9	240.7
70°	239.4	241.3	244.2	244.3	240.9	234.7
70.5°	233.3	235.2	238.0	238.3	234.9	228.6
71°	227.2	229.0	231.8	232.0	228.7	222.7
71.5°	221.2	223.0	225.8	225.9	223.0	216.4
72°	215.3	217.0	219.8	220.0	216.9	210.3
72.5°	209.3	211.1	213.6	214.0	210.8	204.5
73°	203.3	205.0	207.8	208.0	204.5	198.4
73.5°	197.3	198.8	201.8	202.0	198.7	192.3
74°	191.4	192.9	195.9	195.9	192.8	186.6
74.5°	185.5	186.9	189.7	189.9	186.9	180.6
75°	179.5	181.0	183.9	184.3	181.1	174.9
75.5°	173.7	174.9	178.1	178.4	175.1	168.7
76°	167.6	169.0	172.1	172.4	169.3	162.9
76.5°	161.7	163.1	166.0	166.4	163.2	157.0
77°	156.1	157.2	160.2	160.6	157.3	151.4
77.5°	150.4	151.6	154.4	154.9	151.6	145.5
78°	144.3	145.5	148.6	149.0	145.7	139.6
78.5°	138.3	139.8	143.0	143.0	139.9	133.8
79°	132.7	133.9	137.0	137.2	133.9	127.9
79.5°	126.8	128.1	131.1	131.4	128.1	122.3
80°	121.1	122.3	125.4	125.6	122.4	116.7
80.5°	115.4	116.6	119.8	119.9	116.8	111.0
81°	109.7	111.0	114.1	114.3	111.3	105.5
81.5°	104.0	105.4	108.4	108.8	105.7	100.1
82°	98.4	99.8	102.9	103.0	100.1	94.7
82.5°	92.9	94.4	97.3	97.7	94.5	89.3
83°	87.5	88.8	91.7	92.2	89.2	84.0
83.5°	82.1	83.5	86.4	86.8	83.8	78.4
84°	76.7	78.0	81.1	81.3	78.4	73.1
84.5°	71.2	72.7	75.7	76.2	72.9	67.7
85°	65.8	67.3	70.3	70.6	67.5	62.4
85.5°	60.5	61.8	64.8	65.2	62.1	57.1
86°	55.2	56.5	59.5	59.8	56.9	51.9
86.5°	50.1	51.4	54.4	54.6	51.8	46.6
87°	45.0	46.2	49.0	49.3	46.6	41.4
87.5°	39.9	41.0	44.0	44.3	41.4	36.4
88°	34.8	35.9	39.0	39.3	36.5	31.2
88.5°	29.8	30.8	33.8	34.1	31.4	26.3



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	15.3	16.5	19.3	19.6	16.8	11.4
90.5°	10.6	11.8	14.6	14.8	12.1	6.6
91°	5.9	7.2	10.0	9.8	7.1	1.5
91.5°	1.5	2.4	5.2	5.1	2.1	0.1
92°	0.0	0.2	0.8	0.8	0.1	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.1	0.0	0.1
101.5°	0.0	0.1	0.0	0.0	0.1	0.1
102°	0.0	0.1	0.0	0.0	0.1	0.1
102.5°	0.0	0.1	0.0	0.1	0.1	0.1
103°	0.0	0.1	0.0	0.1	0.1	0.1
103.5°	0.0	0.2	0.0	0.1	0.2	0.2
104°	0.0	0.1	0.0	0.1	0.1	0.2
104.5°	0.0	0.1	0.1	0.1	0.1	0.1
105°	0.0	0.1	0.0	0.1	0.1	0.1
105.5°	0.0	0.1	0.0	0.1	0.1	0.1
106°	0.0	0.1	0.1	0.1	0.1	0.1
106.5°	0.0	0.3	0.1	0.1	0.1	0.1
107°	0.0	0.3	0.1	0.1	0.1	0.1
107.5°	0.0	0.2	0.1	0.1	0.1	0.1
108°	0.0	0.2	0.1	0.1	0.1	0.1
108.5°	0.0	0.2	0.1	0.1	0.1	0.1
109°	0.0	0.2	0.2	0.1	0.1	0.1
109.5°	0.0	0.2	0.2	0.1	0.1	0.1
110°	0.0	0.2	0.2	0.1	0.1	0.1
110.5°	0.0	0.2	0.2	0.1	0.1	0.1
111°	0.0	0.2	0.2	0.1	0.1	0.1



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.2	0.2	0.1	0.1	0.1
113°	0.0	0.2	0.2	0.1	0.1	0.1
113.5°	0.1	0.2	0.2	0.1	0.1	0.1
114°	0.0	0.2	0.2	0.1	0.1	0.1
114.5°	0.0	0.2	0.2	0.1	0.1	0.1
115°	0.0	0.2	0.2	0.1	0.1	0.1
115.5°	0.0	0.2	0.2	0.1	0.1	0.1
116°	0.1	0.2	0.2	0.1	0.1	0.1
116.5°	0.1	0.2	0.2	0.1	0.1	0.1
117°	0.2	0.2	0.2	0.1	0.1	0.1
117.5°	0.1	0.2	0.2	0.1	0.1	0.1
118°	0.2	0.2	0.2	0.1	0.1	0.1
118.5°	0.1	0.2	0.2	0.1	0.1	0.1
119°	0.1	0.2	0.2	0.1	0.1	0.1
119.5°	0.1	0.2	0.2	0.1	0.1	0.1
120°	0.1	0.2	0.2	0.1	0.1	0.1
120.5°	0.2	0.2	0.2	0.1	0.1	0.1
121°	0.2	0.2	0.2	0.1	0.1	0.1
121.5°	0.2	0.2	0.2	0.1	0.1	0.1
122°	0.2	0.2	0.2	0.1	0.1	0.1
122.5°	0.2	0.2	0.2	0.1	0.1	0.1
123°	0.2	0.2	0.2	0.1	0.1	0.1
123.5°	0.2	0.2	0.2	0.1	0.1	0.1
124°	0.2	0.2	0.2	0.1	0.1	0.1
124.5°	0.2	0.2	0.2	0.1	0.1	0.1
125°	0.2	0.2	0.2	0.1	0.1	0.1
125.5°	0.2	0.2	0.2	0.1	0.1	0.1
126°	0.2	0.2	0.2	0.1	0.1	0.1
126.5°	0.2	0.2	0.2	0.1	0.1	0.1
127°	0.2	0.2	0.2	0.1	0.1	0.1
127.5°	0.2	0.2	0.2	0.1	0.1	0.1
128°	0.2	0.2	0.2	0.1	0.1	0.1
128.5°	0.2	0.2	0.2	0.1	0.1	0.1
129°	0.2	0.2	0.2	0.1	0.1	0.1
129.5°	0.3	0.2	0.2	0.1	0.1	0.1
130°	0.3	0.2	0.2	0.1	0.1	0.1
130.5°	0.3	0.2	0.2	0.1	0.1	0.1
131°	0.3	0.2	0.2	0.1	0.1	0.1
131.5°	0.3	0.2	0.2	0.1	0.1	0.1
132°	0.3	0.2	0.2	0.1	0.1	0.1
132.5°	0.3	0.2	0.2	0.2	0.1	0.1
133°	0.3	0.2	0.2	0.2	0.1	0.1
133.5°	0.3	0.3	0.2	0.2	0.1	0.1



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.3	0.3	0.3	0.3	0.3	0.3
135.5°	0.3	0.3	0.3	0.3	0.3	0.3
136°	0.3	0.3	0.3	0.3	0.3	0.3
136.5°	0.3	0.3	0.3	0.3	0.3	0.3
137°	0.3	0.4	0.4	0.3	0.3	0.3
137.5°	0.3	0.4	0.5	0.5	0.3	0.4
138°	0.3	0.4	0.5	0.5	0.4	0.4
138.5°	0.5	0.4	0.5	0.5	0.4	0.5
139°	0.4	0.5	0.7	0.6	0.7	0.5
139.5°	0.4	0.5	0.7	0.7	0.7	0.6
140°	0.4	0.8	0.9	0.7	0.7	0.7
140.5°	0.4	0.9	0.9	0.7	0.7	0.7
141°	0.4	0.9	0.8	0.7	0.9	0.9
141.5°	0.4	0.9	0.9	0.9	0.9	1.0
142°	0.5	1.0	0.9	1.0	0.9	0.9
142.5°	0.5	1.0	0.9	0.9	1.0	1.0
143°	0.5	1.1	1.1	0.9	1.1	1.0
143.5°	0.5	1.1	1.1	1.1	1.1	1.0
144°	0.5	1.1	1.0	1.0	1.1	1.0
144.5°	0.5	1.1	1.0	1.0	1.1	1.0
145°	0.5	1.1	1.0	1.0	1.1	1.0
145.5°	0.5	1.1	1.0	1.0	1.1	1.0
146°	0.5	1.1	1.0	1.0	1.1	1.0
146.5°	0.5	1.1	1.0	1.0	1.1	1.0
147°	0.7	1.1	1.0	1.0	1.1	1.0
147.5°	0.7	1.0	1.0	1.0	1.1	1.0
148°	0.7	0.9	1.0	1.0	1.1	1.0
148.5°	0.7	0.9	1.0	1.0	1.1	1.0
149°	0.7	0.9	1.0	1.0	1.1	1.0
149.5°	0.8	0.9	1.0	1.0	1.1	1.0
150°	0.8	0.9	1.0	1.0	1.1	1.0
150.5°	0.8	0.9	1.0	1.0	1.1	1.0
151°	0.8	0.9	1.0	1.0	1.1	1.0
151.5°	0.8	0.9	1.0	1.0	1.1	1.0
152°	0.9	0.9	1.0	1.0	1.1	1.0
152.5°	0.9	0.9	1.0	1.0	1.1	1.0
153°	0.9	0.9	1.0	1.0	1.1	1.0
153.5°	1.0	0.9	1.0	1.0	1.1	1.0
154°	1.0	0.9	1.0	1.0	1.1	1.0
154.5°	1.1	0.9	1.0	1.0	1.1	1.0
155°	1.0	0.9	1.0	1.0	1.1	1.0
155.5°	1.1	1.1	1.1	1.0	1.1	1.0
156°	1.1	1.1	1.1	1.0	1.1	1.0



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.3	1.1	1.1	1.1	1.1	1.0
158°	1.3	1.1	1.1	1.1	1.1	1.0
158.5°	1.3	1.1	1.1	1.1	1.1	1.0
159°	1.3	1.1	1.2	1.1	1.1	1.1
159.5°	1.3	1.1	1.2	1.1	1.1	1.1
160°	1.4	1.2	1.2	1.1	1.1	1.1
160.5°	1.4	1.1	1.2	1.2	1.1	1.1
161°	1.4	1.2	1.2	1.2	1.2	1.1
161.5°	1.5	1.2	1.3	1.2	1.2	1.1
162°	1.5	1.3	1.3	1.2	1.1	1.1
162.5°	1.5	1.3	1.3	1.3	1.2	1.1
163°	1.5	1.3	1.3	1.3	1.2	1.1
163.5°	1.6	1.3	1.3	1.3	1.2	1.2
164°	1.6	1.3	1.3	1.3	1.2	1.3
164.5°	1.6	1.3	1.3	1.3	1.2	1.3
165°	1.6	1.3	1.3	1.3	1.2	1.3
165.5°	1.6	1.4	1.3	1.3	1.3	1.3
166°	1.7	1.4	1.3	1.3	1.3	1.3
166.5°	1.7	1.3	1.4	1.4	1.3	1.3
167°	1.7	1.4	1.5	1.3	1.3	1.3
167.5°	1.7	1.4	1.5	1.3	1.4	1.4
168°	1.7	1.4	1.6	1.3	1.4	1.4
168.5°	1.7	1.4	1.6	1.3	1.3	1.4
169°	1.8	1.6	1.8	1.5	1.4	1.6
169.5°	1.8	1.8	1.9	1.6	1.5	1.7
170°	1.8	1.8	1.9	1.7	1.6	1.8
170.5°	1.8	1.9	2.0	1.7	1.6	1.8
171°	1.8	1.9	2.0	1.8	1.6	1.8
171.5°	1.8	2.0	2.0	1.8	1.6	2.0
172°	1.8	2.1	2.0	1.8	1.7	2.0
172.5°	1.8	2.1	2.1	1.8	1.8	2.0
173°	1.8	2.1	2.1	1.8	1.8	2.1
173.5°	1.8	2.1	2.0	1.8	1.8	2.1
174°	1.8	2.1	2.0	1.8	1.8	2.1
174.5°	1.8	2.1	2.0	1.8	1.8	2.1
175°	1.7	2.1	2.0	1.8	1.8	2.1
175.5°	1.7	2.1	2.0	1.8	1.8	2.1
176°	1.7	2.1	2.0	1.8	1.8	2.1
176.5°	1.7	2.1	2.0	1.8	1.8	2.1
177°	1.7	2.1	2.0	1.8	1.8	2.1
177.5°	1.7	2.1	2.0	1.8	1.8	2.1
178°	1.7	2.0	2.0	1.8	1.8	2.1
178.5°	1.7	2.0	2.0	1.8	1.8	2.1



TEST NUMBER: A1921872A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.0	2.0	2.0	2.0	2.0	2.0



Report Generated By E9808895 / USPTCWHP6082093





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







21.5°	698.6	695.9	691.7	687.7	685.3	684.2	684.2	686.5	689.0	694.1	697.5
22°	696.2	693.2	688.9	684.8	682.3	681.0	681.1	683.4	686.5	691.5	695.1



44°	526.2	519.7	512.5	505.2	502.7	500.3	500.6	503.6	509.0	516.8	523.7
44.5°	521.5	514.8	507.2	500.3	497.7	495.3	495.5	498.6	504.2	511.6	518.8



66.5°	276.9	268.7	260.2	251.9	247.9	244.7	245.0	249.2	255.7	264.3	273.7
67°	270.8	262.7	254.1	245.8	242.0	238.8	238.9	243.3	249.7	258.4	267.8



89°	21.3	14.1	6.7	0.6	0.0	0.0	0.0	0.0	4.2	11.5	18.7
89.5°	16.4	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.2	6.6	14.0



111.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0
112°	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0



134°	0.3	0.3	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.3	0.4
134.5°	0.3	0.3	0.4	0.5	0.3	0.4	0.5	0.5	0.5	0.5	0.3



156.5°	1.0	1.1	1.1	1.2	1.2	1.1	1.3	1.2	1.2	1.3	1.1
157°	1.0	1.1	1.1	1.2	1.3	1.3	1.3	1.2	1.3	1.4	1.3



179°	2.0	2.0	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0
179.5°	2.0	2.0	1.7	2.0	1.8	2.0	2.0	1.8	1.8	2.0	2.0





21.5°	701.1	702.8	704.1	703.7	702.0	698.6
22°	698.5	700.2	701.5	701.2	699.6	696.2



44°	530.0	531.6	534.9	533.7	531.2	526.2
44.5°	524.8	526.8	530.0	529.1	526.0	521.5



66.5°	281.5	283.5	286.3	286.2	283.1	276.9
67°	275.3	277.3	280.4	280.3	277.3	270.8



89°	24.8	25.9	28.8	28.8	26.6	21.3
89.5°	20.1	21.3	24.0	24.2	21.8	16.4



111.5°	0.0	0.2	0.2	0.1	0.1	0.1
112°	0.0	0.2	0.2	0.1	0.1	0.1



134°	0.3	0.2	0.3	0.3	0.2	0.3
134.5°	0.3	0.2	0.3	0.3	0.3	0.3



156.5°	1.1	1.1	1.1	1.1	1.1	1.0
157°	1.2	1.1	1.1	1.1	1.1	1.0



179°	1.7	2.0	2.0	1.8	1.8	2.0
179.5°	1.7	2.0	2.0	1.8	1.8	2.0



(END OF REPORT)