

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 253P231

Luminaire Tested: **1215-XX-36-CFL/3/27-T5C/1/40**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 253P231
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 1215-XX-36-CFL/3/27-T5C/1/40
Description: SHAPER 36 INCH 1215 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE
WITH SHALLOW BOWL
Light Source: THREE 24 WATT BIAx COMPACT FLUORESCENT AND ONE 40 WATT T5 CIRCLINE
(3)F24BX - 1800 LUMENS AND (1)TL5C40W/830 - 3300 LUMENS
Ballast/Driver: -

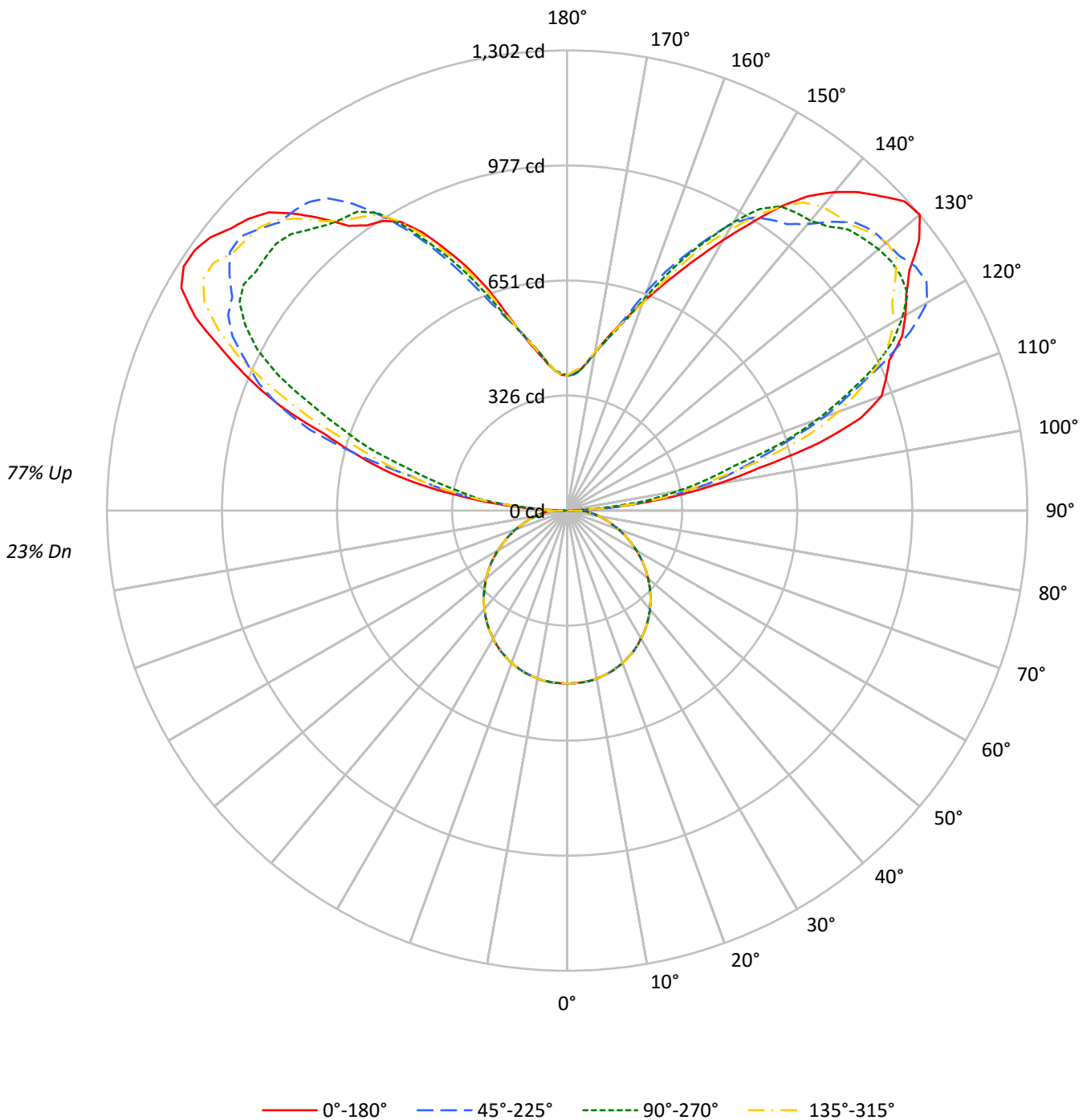
Summary

Lumens per Lamp: 8700 (1 lamp)
Luminaire Lumens: 6428.4 lumens
Efficiency: 73.9%
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Vertical Cylinder (Dia: 3' x H: 0.52')
CIE Type: Semi-Indirect

Input Watts (W): 112
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

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Luminous Intensity Polar Plot





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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	0
RCR																		
0	74	74	74	74	66	66	66	66	51	51	51	36	36	36	23	23	23	17
1	68	64	62	59	60	57	55	53	44	42	41	32	31	30	20	20	19	14
2	61	56	52	48	54	50	46	43	38	36	34	28	26	25	18	17	16	12
3	56	49	44	40	49	44	39	36	34	31	28	24	22	21	16	14	13	10
4	51	43	38	33	45	39	34	30	30	26	24	21	19	17	14	12	11	8
5	47	38	33	28	41	34	29	26	26	23	20	19	17	15	12	11	10	7
6	43	34	28	24	38	31	26	22	24	20	17	17	15	13	11	10	9	6
7	40	31	25	21	35	28	23	19	21	18	15	16	13	11	10	9	8	5
8	37	28	22	18	32	25	20	17	19	16	13	14	12	10	9	8	7	5
9	34	25	20	16	30	23	18	15	18	14	12	13	11	9	9	7	6	4
10	32	23	18	14	28	21	16	13	16	13	11	12	10	8	8	6	5	4

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	745	745	745	745
5°	732	732	732	732
10°	719	719	719	719
15°	704	704	704	704
20°	688	688	688	688
25°	672	672	672	672
30°	652	652	652	652
35°	633	633	633	633
40°	610	610	610	610
45°	587	587	587	587
50°	561	561	561	561
55°	533	533	533	533
60°	500	500	500	500
65°	464	464	464	464
70°	427	427	427	427
75°	390	390	390	390
80°	354	354	354	354
85°	322	322	322	322



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	46.4	0.7	0.5
10°-20°	133.5	2.1	1.5
20°-30°	203.1	3.2	2.3
30°-40°	245.8	3.8	2.8
40°-50°	256.7	4.0	3.0
50°-60°	235.8	3.7	2.7
60°-70°	188.3	2.9	2.2
70°-80°	128.2	2.0	1.5
80°-90°	66.6	1.0	0.8
90°-100°	180.5	2.8	2.1
100°-110°	614.2	9.6	7.1
110°-120°	974.8	15.2	11.2
120°-130°	1053.5	16.4	12.1
130°-140°	894.2	13.9	10.3
140°-150°	645.2	10.0	7.4
150°-160°	367.4	5.7	4.2
160°-170°	154.7	2.4	1.8
170°-180°	39.8	0.6	0.5
0°-30°	382.9	6.0	4.4
0°-40°	628.7	9.8	7.2
0°-60°	1121.2	17.4	12.9
0°-90°	1504.2	23.4	17.3
90°-120°	1769.5	27.5	20.3
90°-150°	4362.4	67.9	50.1
90°-180°	4924.0	76.6	56.6
0°-180°	6428.4	100.0	73.9

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	489	489	489	489	489	
5°	488	488	488	488	488	46
15°	473	473	473	473	473	133
25°	441	441	441	441	441	203
35°	393	393	393	393	393	246
45°	333	333	333	333	333	257
55°	264	264	264	264	264	236
65°	190	190	190	190	190	188
75°	121	121	121	121	121	128
85°	65	65	65	65	65	58
90°	3	2	13	5	3	16
95°	170	127	178	150	170	194
105°	735	490	621	473	735	752
115°	1006	958	1077	898	1006	1010
125°	1182	1154	1286	1117	1182	1070
135°	1258	1125	1193	1106	1258	972
145°	1048	1051	985	1033	1048	657
155°	742	791	817	787	742	349
165°	533	526	529	528	533	154
175°	397	395	398	397	397	40
180°	382	382	382	382	382	



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CANDELA DISTRIBUTION (FULL):

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
0°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
2.5°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
5°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
7.5°	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
10°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0
12.5°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
15°	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0
17.5°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
20°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
22.5°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
25°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
27.5°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
30°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
32.5°	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0
35°	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0
37.5°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
40°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0
42.5°	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0
45°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0
47.5°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
50°	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0
52.5°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
55°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
57.5°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
60°	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0
62.5°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
65°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
67.5°	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0
70°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
72.5°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
75°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
77.5°	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
80°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
82.5°	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
85°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
87.5°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
90°	3.0	6.0	5.0	8.0	13.0	4.0	2.0	5.0	3.0	6.0	5.0
92.5°	57.7	58.9	56.0	69.1	66.9	40.0	31.4	35.4	57.7	58.9	56.0
95°	169.7	157.1	149.7	166.3	178.3	136.0	127.4	131.4	169.7	157.1	149.7
97.5°	301.1	268.6	247.4	267.4	290.9	251.4	238.3	253.7	301.1	268.6	247.4
100°	429.7	336.6	306.9	359.4	420.6	336.0	316.6	344.6	429.7	336.6	306.9
102.5°	556.0	415.4	384.0	449.7	529.7	442.9	405.1	422.3	556.0	415.4	384.0
105°	735.4	540.0	472.6	530.3	620.6	528.0	489.7	577.7	735.4	540.0	472.6
107.5°	870.9	669.7	587.4	632.6	719.4	628.0	639.4	729.7	870.9	669.7	587.4
110°	946.3	774.9	679.4	745.7	862.3	753.1	753.7	840.6	946.3	774.9	679.4



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CANDELA DISTRIBUTION (continued):

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
112.5°	976.6	870.9	782.3	836.0	973.7	872.0	854.9	936.0	976.6	870.9	782.3
115°	1005.7	953.7	897.7	954.9	1076.6	1001.7	958.3	1003.4	1005.7	953.7	897.7
117.5°	1068.0	1012.6	988.6	1062.9	1186.3	1089.7	1039.4	1066.9	1068.0	1012.6	988.6
120°	1105.1	1054.3	1052.0	1148.0	1260.6	1160.6	1095.4	1108.6	1105.1	1054.3	1052.0
122.5°	1137.7	1074.3	1098.9	1178.3	1286.3	1199.4	1141.7	1118.9	1137.7	1074.3	1098.9
125°	1181.7	1116.6	1117.1	1176.0	1285.7	1200.0	1154.3	1161.1	1181.7	1116.6	1117.1
127.5°	1254.9	1148.0	1110.3	1156.0	1270.9	1169.7	1157.1	1185.1	1254.9	1148.0	1110.3
130°	1302.3	1140.6	1114.3	1156.6	1241.7	1170.9	1150.3	1173.7	1302.3	1140.6	1114.3
132.5°	1294.9	1120.0	1117.1	1156.0	1222.3	1170.9	1138.3	1142.3	1294.9	1120.0	1117.1
135°	1257.7	1102.3	1105.7	1138.3	1193.1	1153.1	1124.6	1117.7	1257.7	1102.3	1105.7
137.5°	1221.7	1101.7	1078.3	1098.3	1138.9	1114.3	1090.9	1123.4	1221.7	1101.7	1078.3
140°	1176.0	1104.6	1055.4	1050.9	1078.3	1065.1	1070.9	1126.9	1176.0	1104.6	1055.4
142.5°	1121.1	1090.9	1041.7	1024.0	1015.4	1039.4	1062.9	1110.9	1121.1	1090.9	1041.7
145°	1048.0	1048.0	1033.1	1011.4	985.1	1024.6	1050.9	1064.6	1048.0	1048.0	1033.1
147.5°	962.3	992.6	997.7	987.4	971.4	998.3	1011.4	1004.6	962.3	992.6	997.7
150°	884.0	925.7	934.3	937.1	943.4	944.6	942.3	935.4	884.0	925.7	934.3
152.5°	808.6	856.6	857.7	865.7	887.4	870.9	864.6	860.0	808.6	856.6	857.7
155°	741.7	777.1	787.4	794.9	816.6	798.9	791.4	775.4	741.7	777.1	787.4
157.5°	681.1	696.6	714.3	728.0	748.0	729.1	712.6	692.6	681.1	696.6	714.3
160°	626.3	624.0	640.0	655.4	674.9	655.4	635.4	620.6	626.3	624.0	640.0
162.5°	577.1	570.9	575.4	583.4	595.4	582.3	571.4	568.6	577.1	570.9	575.4
165°	533.1	530.3	528.0	526.9	528.6	528.0	526.3	528.0	533.1	530.3	528.0
167.5°	492.0	491.4	490.3	488.6	483.4	489.1	488.6	489.1	492.0	491.4	490.3
170°	454.3	456.0	454.9	453.1	448.0	453.7	453.1	453.7	454.3	456.0	454.9
172.5°	420.6	424.6	421.7	421.1	418.9	422.3	419.4	421.1	420.6	424.6	421.7
175°	397.1	407.4	397.1	397.1	398.3	397.1	395.4	396.6	397.1	407.4	397.1
177.5°	385.7	396.6	389.1	384.6	384.6	384.6	383.4	384.0	385.7	396.6	389.1
180°	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3



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CANDELA DISTRIBUTION (continued):

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
0°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
2.5°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
5°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
7.5°	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
10°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0
12.5°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
15°	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0	473.0
17.5°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
20°	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0	459.0
22.5°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
25°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
27.5°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
30°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
32.5°	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0	406.0
35°	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0	393.0
37.5°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
40°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0
42.5°	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0
45°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0
47.5°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
50°	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0	299.0
52.5°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
55°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
57.5°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
60°	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0
62.5°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
65°	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0	190.0
67.5°	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0
70°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
72.5°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
75°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
77.5°	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
80°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
82.5°	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
85°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
87.5°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
90°	8.0	13.0	4.0	2.0	5.0	3.0	6.0	5.0	8.0	13.0	4.0
92.5°	69.1	66.9	40.0	31.4	35.4	57.7	58.9	56.0	69.1	66.9	40.0
95°	166.3	178.3	136.0	127.4	131.4	169.7	157.1	149.7	166.3	178.3	136.0
97.5°	267.4	290.9	251.4	238.3	253.7	301.1	268.6	247.4	267.4	290.9	251.4
100°	359.4	420.6	336.0	316.6	344.6	429.7	336.6	306.9	359.4	420.6	336.0
102.5°	449.7	529.7	442.9	405.1	422.3	556.0	415.4	384.0	449.7	529.7	442.9
105°	530.3	620.6	528.0	489.7	577.7	735.4	540.0	472.6	530.3	620.6	528.0
107.5°	632.6	719.4	628.0	639.4	729.7	870.9	669.7	587.4	632.6	719.4	628.0
110°	745.7	862.3	753.1	753.7	840.6	946.3	774.9	679.4	745.7	862.3	753.1



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CANDELA DISTRIBUTION (continued):

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
112.5°	836.0	973.7	872.0	854.9	936.0	976.6	870.9	782.3	836.0	973.7	872.0
115°	954.9	1076.6	1001.7	958.3	1003.4	1005.7	953.7	897.7	954.9	1076.6	1001.7
117.5°	1062.9	1186.3	1089.7	1039.4	1066.9	1068.0	1012.6	988.6	1062.9	1186.3	1089.7
120°	1148.0	1260.6	1160.6	1095.4	1108.6	1105.1	1054.3	1052.0	1148.0	1260.6	1160.6
122.5°	1178.3	1286.3	1199.4	1141.7	1118.9	1137.7	1074.3	1098.9	1178.3	1286.3	1199.4
125°	1176.0	1285.7	1200.0	1154.3	1161.1	1181.7	1116.6	1117.1	1176.0	1285.7	1200.0
127.5°	1156.0	1270.9	1169.7	1157.1	1185.1	1254.9	1148.0	1110.3	1156.0	1270.9	1169.7
130°	1156.6	1241.7	1170.9	1150.3	1173.7	1302.3	1140.6	1114.3	1156.6	1241.7	1170.9
132.5°	1156.0	1222.3	1170.9	1138.3	1142.3	1294.9	1120.0	1117.1	1156.0	1222.3	1170.9
135°	1138.3	1193.1	1153.1	1124.6	1117.7	1257.7	1102.3	1105.7	1138.3	1193.1	1153.1
137.5°	1098.3	1138.9	1114.3	1090.9	1123.4	1221.7	1101.7	1078.3	1098.3	1138.9	1114.3
140°	1050.9	1078.3	1065.1	1070.9	1126.9	1176.0	1104.6	1055.4	1050.9	1078.3	1065.1
142.5°	1024.0	1015.4	1039.4	1062.9	1110.9	1121.1	1090.9	1041.7	1024.0	1015.4	1039.4
145°	1011.4	985.1	1024.6	1050.9	1064.6	1048.0	1048.0	1033.1	1011.4	985.1	1024.6
147.5°	987.4	971.4	998.3	1011.4	1004.6	962.3	992.6	997.7	987.4	971.4	998.3
150°	937.1	943.4	944.6	942.3	935.4	884.0	925.7	934.3	937.1	943.4	944.6
152.5°	865.7	887.4	870.9	864.6	860.0	808.6	856.6	857.7	865.7	887.4	870.9
155°	794.9	816.6	798.9	791.4	775.4	741.7	777.1	787.4	794.9	816.6	798.9
157.5°	728.0	748.0	729.1	712.6	692.6	681.1	696.6	714.3	728.0	748.0	729.1
160°	655.4	674.9	655.4	635.4	620.6	626.3	624.0	640.0	655.4	674.9	655.4
162.5°	583.4	595.4	582.3	571.4	568.6	577.1	570.9	575.4	583.4	595.4	582.3
165°	526.9	528.6	528.0	526.3	528.0	533.1	530.3	528.0	526.9	528.6	528.0
167.5°	488.6	483.4	489.1	488.6	489.1	492.0	491.4	490.3	488.6	483.4	489.1
170°	453.1	448.0	453.7	453.1	453.7	454.3	456.0	454.9	453.1	448.0	453.7
172.5°	421.1	418.9	422.3	419.4	421.1	420.6	424.6	421.7	421.1	418.9	422.3
175°	397.1	398.3	397.1	395.4	396.6	397.1	407.4	397.1	397.1	398.3	397.1
177.5°	384.6	384.6	384.6	383.4	384.0	385.7	396.6	389.1	384.6	384.6	384.6
180°	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3



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CANDELA DISTRIBUTION (continued):

	330°	340°	360°
0°	489.0	489.0	489.0
2.5°	489.0	489.0	489.0
5°	488.0	488.0	488.0
7.5°	486.0	486.0	486.0
10°	483.0	483.0	483.0
12.5°	478.0	478.0	478.0
15°	473.0	473.0	473.0
17.5°	466.0	466.0	466.0
20°	459.0	459.0	459.0
22.5°	450.0	450.0	450.0
25°	441.0	441.0	441.0
27.5°	430.0	430.0	430.0
30°	418.0	418.0	418.0
32.5°	406.0	406.0	406.0
35°	393.0	393.0	393.0
37.5°	379.0	379.0	379.0
40°	364.0	364.0	364.0
42.5°	349.0	349.0	349.0
45°	333.0	333.0	333.0
47.5°	316.0	316.0	316.0
50°	299.0	299.0	299.0
52.5°	282.0	282.0	282.0
55°	264.0	264.0	264.0
57.5°	245.0	245.0	245.0
60°	227.0	227.0	227.0
62.5°	208.0	208.0	208.0
65°	190.0	190.0	190.0
67.5°	172.0	172.0	172.0
70°	154.0	154.0	154.0
72.5°	137.0	137.0	137.0
75°	121.0	121.0	121.0
77.5°	105.0	105.0	105.0
80°	91.0	91.0	91.0
82.5°	77.0	77.0	77.0
85°	65.0	65.0	65.0
87.5°	54.0	54.0	54.0
90°	2.0	5.0	3.0
92.5°	31.4	35.4	57.7
95°	127.4	131.4	169.7
97.5°	238.3	253.7	301.1
100°	316.6	344.6	429.7
102.5°	405.1	422.3	556.0
105°	489.7	577.7	735.4
107.5°	639.4	729.7	870.9
110°	753.7	840.6	946.3



TEST NUMBER: 253P231

CATALOG NUMBER: 1215-XX-36-CFL/3/27-T5C/1/40

CANDELA DISTRIBUTION (continued):

	330°	340°	360°
112.5°	854.9	936.0	976.6
115°	958.3	1003.4	1005.7
117.5°	1039.4	1066.9	1068.0
120°	1095.4	1108.6	1105.1
122.5°	1141.7	1118.9	1137.7
125°	1154.3	1161.1	1181.7
127.5°	1157.1	1185.1	1254.9
130°	<i>1150.3</i>	<i>1173.7</i>	<i>1302.3</i>
132.5°	1138.3	1142.3	1294.9
135°	1124.6	1117.7	1257.7
137.5°	1090.9	1123.4	1221.7
140°	1070.9	1126.9	1176.0
142.5°	1062.9	1110.9	1121.1
145°	1050.9	1064.6	1048.0
147.5°	1011.4	1004.6	962.3
150°	942.3	935.4	884.0
152.5°	864.6	860.0	808.6
155°	791.4	775.4	741.7
157.5°	712.6	692.6	681.1
160°	635.4	620.6	626.3
162.5°	571.4	568.6	577.1
165°	526.3	528.0	533.1
167.5°	488.6	489.1	492.0
170°	453.1	453.7	454.3
172.5°	419.4	421.1	420.6
175°	395.4	396.6	397.1
177.5°	383.4	384.0	385.7
180°	382.3	382.3	382.3

(END OF REPORT)