

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: 253p172

Luminaire Tested: **1240-OB-36-CFL/3/27**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 253p172  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 1240-OB-36-CFL/3/27  
Description: SHAPER 36 INCH 1240 SERIES DIRECT/INDIRECT INTERIOR TAPERED PENDANT  
FIXTURE  
Light Source: THREE - F24BX - 1800 LUMENS - 24 WATTS THREE GX24 T4 COMPACT  
FLUORESCENT LAMPS  
Ballast/Driver: -

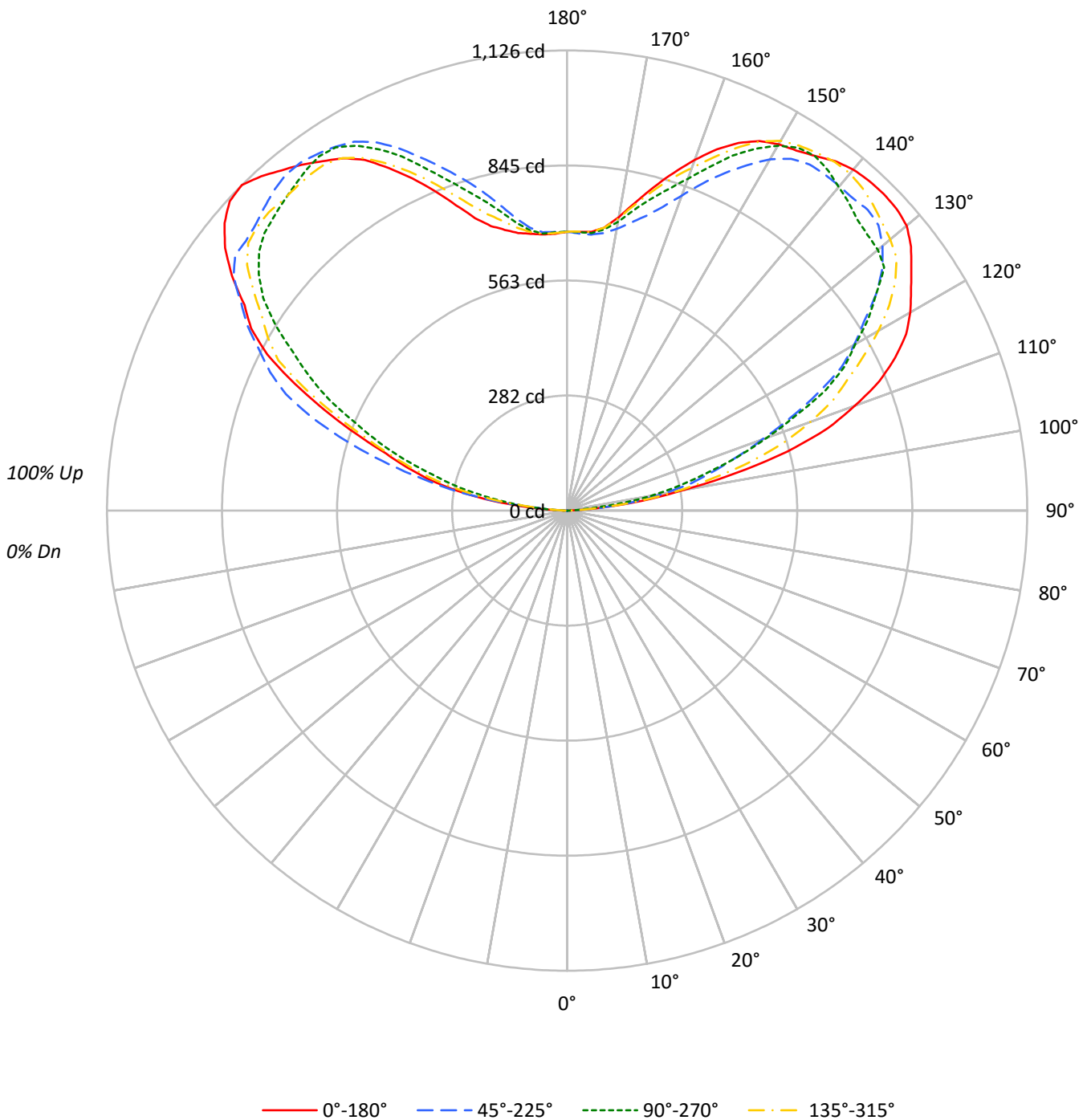
**Summary**

Lumens per Lamp: 1800 (3 lamps)  
Luminaire Lumens: 4321.7 lumens  
Efficiency: 80.0%  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Vertical Cylinder (Dia: 3' x H: 0.1')  
CIE Type: Indirect  
  
Input Watts (W): 50  
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	76	76	76	76	65	65	65	65	44	44	44	26	26	26	8	8	8	0
1	69	66	63	61	59	57	54	52	39	37	36	22	22	21	7	7	7	0
2	63	58	53	49	54	49	46	43	34	32	30	20	18	17	6	6	6	0
3	57	51	45	41	49	43	39	36	30	27	25	17	16	15	6	5	5	0
4	52	45	39	34	45	38	33	30	26	23	21	15	14	12	5	4	4	0
5	48	39	33	29	41	34	29	25	23	20	18	13	12	11	4	4	3	0
6	44	35	29	25	37	30	25	22	21	18	15	12	10	9	4	3	3	0
7	40	31	26	22	34	27	22	19	19	16	13	11	9	8	4	3	3	0
8	37	28	23	19	32	24	20	16	17	14	12	10	8	7	3	3	2	0
9	34	26	20	16	29	22	17	14	15	12	10	9	7	6	3	2	2	0
10	32	23	18	14	27	20	16	13	14	11	9	8	6	5	3	2	2	0

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	0	0	0	0
5°	2	0	2	2
10°	0	0	0	0
15°	0	0	0	0
20°	0	0	0	0
25°	0	0	0	0
30°	0	0	0	0
35°	0	0	0	0
40°	0	0	0	0
45°	0	0	0	0
50°	0	0	0	0
55°	0	0	0	0
60°	0	0	0	0
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.0	0.0	0.0
10°-20°	0.0	0.0	0.0
20°-30°	0.0	0.0	0.0
30°-40°	0.0	0.0	0.0
40°-50°	0.0	0.0	0.0
50°-60°	0.0	0.0	0.0
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.1	0.0	0.0
90°-100°	103.6	2.4	1.9
100°-110°	441.4	10.2	8.2
110°-120°	724.3	16.8	13.4
120°-130°	854.7	19.8	15.8
130°-140°	810.4	18.8	15.0
140°-150°	658.1	15.2	12.2
150°-160°	439.2	10.2	8.1
160°-170°	223.6	5.2	4.1
170°-180°	66.1	1.5	1.2
0°-30°	0.1	0.0	0.0
0°-40°	0.1	0.0	0.0
0°-60°	0.1	0.0	0.0
0°-90°	0.2	0.0	0.0
90°-120°	1269.3	29.4	23.5
90°-150°	3592.6	83.1	66.5
90°-180°	4321.0	100.0	80.0
0°-180°	4321.7	100.0	80.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	1	0	1	1	1	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	0	1	1	1	2
95°	86	42	95	71	86	114
105°	557	351	403	341	557	570
115°	886	698	735	643	886	869
125°	1028	923	1001	908	1028	922
135°	1095	1005	1126	1015	1095	846
145°	1059	1058	1043	1058	1059	667
155°	993	958	897	956	993	458
165°	819	789	721	785	819	235
175°	685	682	678	680	685	67
180°	682	682	682	682	682	



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**CANDELA DISTRIBUTION (FULL):**

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
7.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
10°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
15°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.0	2.0	1.0	2.0	1.0	0.0	0.0	1.0	1.0	2.0	1.0
92.5°	14.3	16.0	15.4	23.4	25.7	11.4	8.6	13.1	14.3	16.0	15.4
95°	85.7	80.6	71.4	86.3	95.4	49.1	42.3	63.4	85.7	80.6	71.4
97.5°	184.6	171.4	138.9	161.1	184.0	138.3	124.6	170.9	184.6	171.4	138.9
100°	286.9	266.9	208.0	231.4	267.4	225.7	208.0	272.6	286.9	266.9	208.0
102.5°	420.6	346.9	280.6	302.3	340.6	307.4	281.1	349.7	420.6	346.9	280.6
105°	557.1	438.3	340.6	359.4	403.4	378.3	350.9	437.7	557.1	438.3	340.6
107.5°	668.0	521.7	418.9	423.4	464.6	448.0	437.1	534.3	668.0	521.7	418.9
110°	749.1	593.7	491.4	492.6	549.7	521.7	518.9	633.7	749.1	593.7	491.4



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**CANDELA DISTRIBUTION (continued):**

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
112.5°	827.4	661.7	561.1	573.7	641.1	606.3	604.0	717.1	827.4	661.7	561.1
115°	885.7	713.7	642.9	654.3	735.4	700.6	698.3	774.3	885.7	713.7	642.9
117.5°	935.4	778.3	711.4	731.4	827.4	786.9	765.7	819.4	935.4	778.3	711.4
120°	969.7	849.7	774.3	783.4	893.1	829.1	814.3	880.0	969.7	849.7	774.3
122.5°	997.7	913.1	846.3	836.6	936.0	869.1	873.7	928.6	997.7	913.1	846.3
125°	1028.0	964.6	908.0	897.1	1001.1	914.9	922.9	985.7	1028.0	964.6	908.0
127.5°	1060.6	1000.6	950.9	944.6	1054.9	964.6	977.7	1012.0	1060.6	1000.6	950.9
130°	1084.6	1014.3	984.0	978.3	1094.3	993.7	992.6	1006.9	1084.6	1014.3	984.0
132.5°	1093.1	1028.6	1004.6	1004.6	1120.0	997.7	997.7	1014.9	1093.1	1028.6	1004.6
135°	1095.4	1046.3	1015.4	1012.0	1126.3	1001.1	1005.1	1032.6	1095.4	1046.3	1015.4
137.5°	1094.3	1061.7	1026.9	1011.4	1109.1	1002.9	1020.6	1051.4	1094.3	1061.7	1026.9
140°	1089.1	1072.6	1037.7	1018.9	1086.9	1014.3	1033.7	1066.3	1089.1	1072.6	1037.7
142.5°	1077.7	1074.3	1049.7	1026.3	1066.9	1024.6	1049.1	1070.9	1077.7	1074.3	1049.7
145°	1058.9	1070.9	1058.3	1030.9	1043.4	1032.0	1058.3	1067.4	1058.9	1070.9	1058.3
147.5°	1044.6	1062.9	1053.7	1019.4	1022.3	1022.9	1052.6	1059.4	1044.6	1062.9	1053.7
150°	1034.9	1048.0	1030.9	993.1	990.9	997.7	1030.9	1044.6	1034.9	1048.0	1030.9
152.5°	1019.4	1017.1	996.6	955.4	944.6	961.7	997.7	1015.4	1019.4	1017.1	996.6
155°	992.6	974.3	956.0	915.4	896.6	921.7	958.3	973.7	992.6	974.3	956.0
157.5°	956.6	927.4	906.3	873.1	846.3	879.4	909.7	928.0	956.6	927.4	906.3
160°	913.1	885.1	861.7	828.6	794.9	834.9	864.0	885.7	913.1	885.1	861.7
162.5°	866.3	847.4	821.1	788.6	750.3	794.9	824.6	846.9	866.3	847.4	821.1
165°	819.4	806.3	785.1	755.4	720.6	760.6	789.1	806.9	819.4	806.3	785.1
167.5°	772.0	764.6	748.6	727.4	703.4	732.6	752.6	765.1	772.0	764.6	748.6
170°	729.1	725.1	714.9	703.4	689.7	706.9	717.7	725.7	729.1	725.1	714.9
172.5°	698.3	697.7	691.4	685.7	682.9	688.6	693.7	697.7	698.3	697.7	691.4
175°	684.6	684.6	680.0	677.7	678.3	680.0	681.7	683.4	684.6	684.6	680.0
177.5°	682.9	683.4	681.7	678.9	677.7	680.0	681.7	682.3	682.9	683.4	681.7
180°	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3



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**CANDELA DISTRIBUTION (continued):**

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
7.5°	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0
10°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.0	1.0	0.0	0.0	1.0	1.0	2.0	1.0	2.0	1.0	0.0
92.5°	23.4	25.7	11.4	8.6	13.1	14.3	16.0	15.4	23.4	25.7	11.4
95°	86.3	95.4	49.1	42.3	63.4	85.7	80.6	71.4	86.3	95.4	49.1
97.5°	161.1	184.0	138.3	124.6	170.9	184.6	171.4	138.9	161.1	184.0	138.3
100°	231.4	267.4	225.7	208.0	272.6	286.9	266.9	208.0	231.4	267.4	225.7
102.5°	302.3	340.6	307.4	281.1	349.7	420.6	346.9	280.6	302.3	340.6	307.4
105°	359.4	403.4	378.3	350.9	437.7	557.1	438.3	340.6	359.4	403.4	378.3
107.5°	423.4	464.6	448.0	437.1	534.3	668.0	521.7	418.9	423.4	464.6	448.0
110°	492.6	549.7	521.7	518.9	633.7	749.1	593.7	491.4	492.6	549.7	521.7





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**CANDELA DISTRIBUTION (continued):**

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
112.5°	573.7	641.1	606.3	604.0	717.1	827.4	661.7	561.1	573.7	641.1	606.3
115°	654.3	735.4	700.6	698.3	774.3	885.7	713.7	642.9	654.3	735.4	700.6
117.5°	731.4	827.4	786.9	765.7	819.4	935.4	778.3	711.4	731.4	827.4	786.9
120°	783.4	893.1	829.1	814.3	880.0	969.7	849.7	774.3	783.4	893.1	829.1
122.5°	836.6	936.0	869.1	873.7	928.6	997.7	913.1	846.3	836.6	936.0	869.1
125°	897.1	1001.1	914.9	922.9	985.7	1028.0	964.6	908.0	897.1	1001.1	914.9
127.5°	944.6	1054.9	964.6	977.7	1012.0	1060.6	1000.6	950.9	944.6	1054.9	964.6
130°	978.3	1094.3	993.7	992.6	1006.9	1084.6	1014.3	984.0	978.3	1094.3	993.7
132.5°	1004.6	1120.0	997.7	997.7	1014.9	1093.1	1028.6	1004.6	1004.6	1120.0	997.7
135°	1012.0	1126.3	1001.1	1005.1	1032.6	1095.4	1046.3	1015.4	1012.0	1126.3	1001.1
137.5°	1011.4	1109.1	1002.9	1020.6	1051.4	1094.3	1061.7	1026.9	1011.4	1109.1	1002.9
140°	1018.9	1086.9	1014.3	1033.7	1066.3	1089.1	1072.6	1037.7	1018.9	1086.9	1014.3
142.5°	1026.3	1066.9	1024.6	1049.1	1070.9	1077.7	1074.3	1049.7	1026.3	1066.9	1024.6
145°	1030.9	1043.4	1032.0	1058.3	1067.4	1058.9	1070.9	1058.3	1030.9	1043.4	1032.0
147.5°	1019.4	1022.3	1022.9	1052.6	1059.4	1044.6	1062.9	1053.7	1019.4	1022.3	1022.9
150°	993.1	990.9	997.7	1030.9	1044.6	1034.9	1048.0	1030.9	993.1	990.9	997.7
152.5°	955.4	944.6	961.7	997.7	1015.4	1019.4	1017.1	996.6	955.4	944.6	961.7
155°	915.4	896.6	921.7	958.3	973.7	992.6	974.3	956.0	915.4	896.6	921.7
157.5°	873.1	846.3	879.4	909.7	928.0	956.6	927.4	906.3	873.1	846.3	879.4
160°	828.6	794.9	834.9	864.0	885.7	913.1	885.1	861.7	828.6	794.9	834.9
162.5°	788.6	750.3	794.9	824.6	846.9	866.3	847.4	821.1	788.6	750.3	794.9
165°	755.4	720.6	760.6	789.1	806.9	819.4	806.3	785.1	755.4	720.6	760.6
167.5°	727.4	703.4	732.6	752.6	765.1	772.0	764.6	748.6	727.4	703.4	732.6
170°	703.4	689.7	706.9	717.7	725.7	729.1	725.1	714.9	703.4	689.7	706.9
172.5°	685.7	682.9	688.6	693.7	697.7	698.3	697.7	691.4	685.7	682.9	688.6
175°	677.7	678.3	680.0	681.7	683.4	684.6	684.6	680.0	677.7	678.3	680.0
177.5°	678.9	677.7	680.0	681.7	682.3	682.9	683.4	681.7	678.9	677.7	680.0
180°	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3



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**CANDELA DISTRIBUTION (continued):**

	330°	340°	360°
0°	0.0	0.0	0.0
2.5°	0.0	0.0	0.0
5°	0.0	1.0	1.0
7.5°	0.0	0.0	1.0
10°	0.0	0.0	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
22.5°	0.0	0.0	0.0
25°	0.0	0.0	0.0
27.5°	0.0	0.0	0.0
30°	0.0	0.0	0.0
32.5°	0.0	0.0	0.0
35°	0.0	0.0	0.0
37.5°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	1.0	1.0
92.5°	8.6	13.1	14.3
95°	42.3	63.4	85.7
97.5°	124.6	170.9	184.6
100°	208.0	272.6	286.9
102.5°	281.1	349.7	420.6
105°	350.9	437.7	557.1
107.5°	437.1	534.3	668.0
110°	518.9	633.7	749.1



TEST NUMBER: 253p172

CATALOG NUMBER: 1240-OB-36-CFL/3/27

**CANDELA DISTRIBUTION (continued):**

	330°	340°	360°
112.5°	604.0	717.1	827.4
115°	698.3	774.3	885.7
117.5°	765.7	819.4	935.4
120°	814.3	880.0	969.7
122.5°	873.7	928.6	997.7
125°	922.9	985.7	1028.0
127.5°	977.7	1012.0	1060.6
130°	992.6	1006.9	1084.6
132.5°	997.7	1014.9	1093.1
135°	1005.1	1032.6	1095.4
137.5°	1020.6	1051.4	1094.3
140°	1033.7	1066.3	1089.1
142.5°	1049.1	1070.9	1077.7
145°	1058.3	1067.4	1058.9
147.5°	1052.6	1059.4	1044.6
150°	1030.9	1044.6	1034.9
152.5°	997.7	1015.4	1019.4
155°	958.3	973.7	992.6
157.5°	909.7	928.0	956.6
160°	864.0	885.7	913.1
162.5°	824.6	846.9	866.3
165°	789.1	806.9	819.4
167.5°	752.6	765.1	772.0
170°	717.7	725.7	729.1
172.5°	693.7	697.7	698.3
175°	681.7	683.4	684.6
177.5°	681.7	682.3	682.9
180°	682.3	682.3	682.3

(END OF REPORT)