

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: CORELITE

Report Number: P303236

Luminaire Tested: **CTW-F-7525-50L935-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-7525-50L935-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

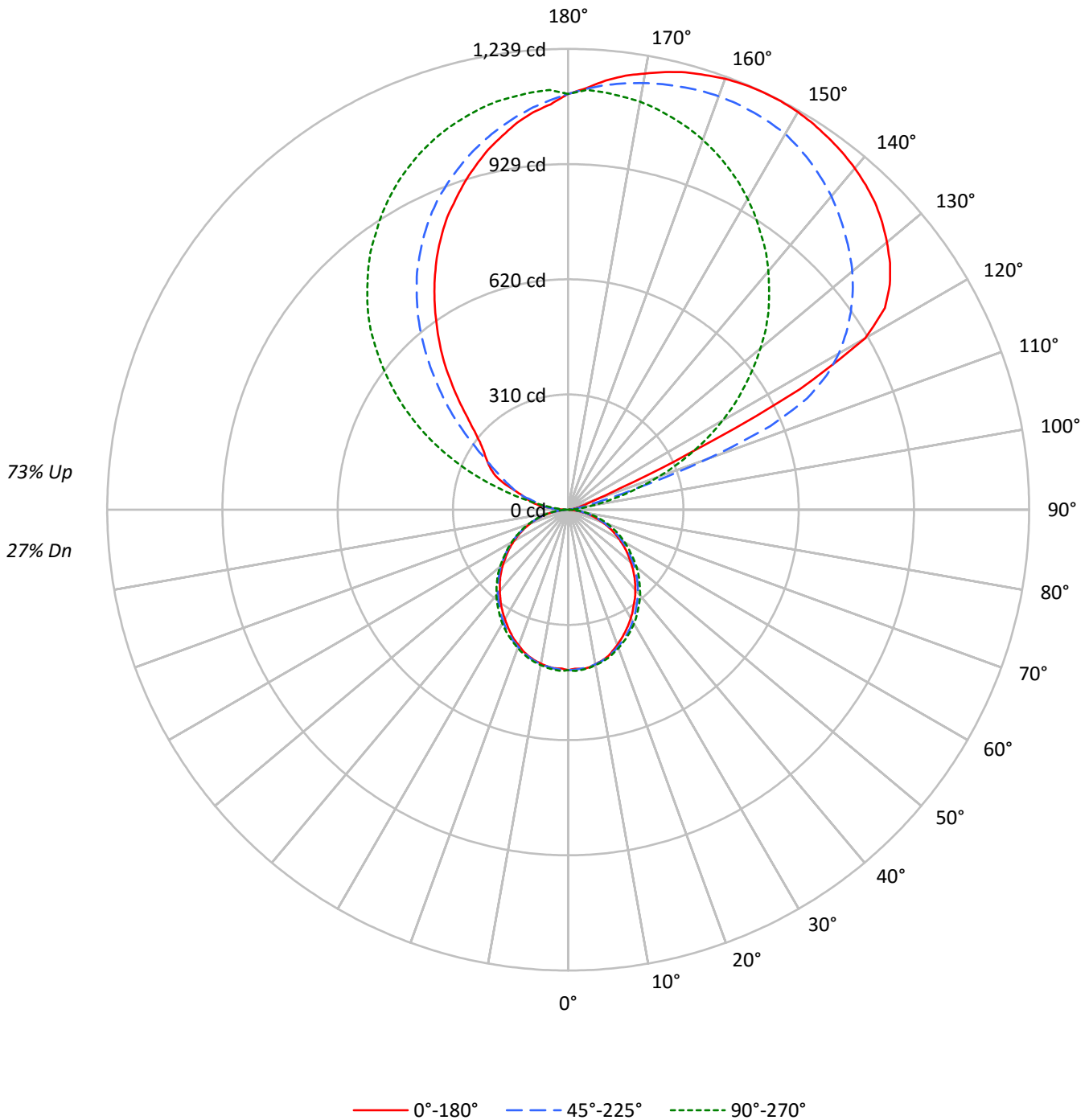
Lumens per Lamp: N/A  
Luminaire Lumens: 4304.5 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 37.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	93	88	85	81	82	79	76	73	61	59	57	45	44	43	31	30	29	22
2	84	77	71	66	75	69	64	60	54	50	47	40	38	36	27	26	24	19
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	46	62	53	47	42	42	37	34	31	28	26	21	19	18	13
5	64	53	45	39	57	48	41	36	37	33	29	28	25	22	19	17	15	12
6	59	47	40	34	52	43	36	31	34	29	25	25	22	19	17	15	14	10
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	16	14	12	9
8	50	38	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	9	7

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

	0°	90°	180°
0°	9287	9287	9287
5°	9284	9340	9247
10°	9223	9280	9186
15°	9115	9211	9095
20°	8857	9074	8896
25°	8611	8938	8691
30°	8370	8797	8454
35°	8100	8599	8260
40°	7888	8445	8035
45°	7654	8232	7864
50°	7325	8018	7643
55°	7109	7724	7431
60°	6820	7561	7229
65°	6535	7366	7019
70°	6124	7157	6773
75°	5656	6945	6446
80°	4699	6409	5876
85°	2544	5730	4471



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.7	0.9
10°-20°	115.2	2.7
20°-30°	170.0	3.9
30°-40°	199.5	4.6
40°-50°	202.3	4.7
50°-60°	179.3	4.2
60°-70°	137.2	3.2
70°-80°	81.4	1.9
80°-90°	22.6	0.5
90°-100°	31.5	0.7
100°-110°	133.8	3.1
110°-120°	380.9	8.8
120°-130°	556.6	12.9
130°-140°	600.6	14.0
140°-150°	571.6	13.3
150°-160°	469.1	10.9
160°-170°	306.3	7.1
170°-180°	106.1	2.5
0°-30°	325.9	7.6
0°-40°	525.3	12.2
0°-60°	906.9	21.1
0°-90°	1148.1	26.7
90°-120°	546.2	12.7
90°-150°	2275.0	52.9
90°-180°	3156.0	73.3
0°-180°	4304.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	431	431	431	431	431	
5°	430	429	432	429	428	41
15°	409	410	413	410	408	115
25°	362	371	376	371	366	167
35°	308	319	327	321	314	193
45°	251	262	270	265	258	194
55°	189	198	206	205	198	169
65°	128	135	145	142	138	127
75°	68	72	84	80	78	71
85°	10	16	23	21	18	15
90°	2	2	1	6	10	1
95°	8	10	23	43	41	8
105°	37	94	151	104	117	43
115°	360	709	370	192	215	418
125°	1056	927	579	317	278	935
135°	1167	1051	762	512	415	900
145°	1220	1138	903	710	618	765
155°	1239	1179	1016	874	808	573
165°	1218	1177	1090	996	958	345
175°	1158	1146	1126	1086	1073	112
180°	1118	1118	1118	1118	1118	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	427.9	427.9	428.8	430.5	430.5	430.5	431.4	432.2	431.4	433.1	430.5
5°	429.6	428.8	428.8	428.8	428.8	429.6	429.6	430.5	429.6	431.4	428.8
7.5°	427.9	427.1	427.1	426.2	425.3	425.3	426.2	427.1	426.2	427.9	426.2
10°	421.9	421.0	421.9	421.0	421.0	421.9	421.9	421.9	422.8	423.6	421.9
12.5°	415.9	415.9	415.0	415.0	415.0	415.0	415.9	416.7	416.7	417.6	416.7
15°	409.0	407.3	408.1	409.0	408.1	409.0	409.0	409.8	409.8	410.7	409.8
17.5°	397.8	397.8	398.6	399.5	399.5	399.5	400.4	400.4	401.2	402.1	401.2
20°	386.6	386.6	386.6	388.3	388.3	388.3	389.2	390.0	390.9	391.8	391.8
22.5°	374.5	374.5	374.5	376.3	376.3	376.3	378.0	378.8	379.7	380.6	381.4
25°	362.5	362.5	363.3	364.2	364.2	364.2	365.9	366.8	367.6	368.5	371.1
27.5°	349.6	349.6	350.4	351.3	352.1	353.0	353.9	354.7	356.5	357.3	359.9
30°	336.7	335.8	336.7	338.4	339.2	339.2	341.0	341.8	343.5	344.4	347.0
32.5°	322.9	322.0	322.9	324.6	325.5	325.5	327.2	328.0	329.8	330.6	334.1
35°	308.2	308.2	310.0	310.0	310.8	311.7	312.5	314.3	316.0	316.8	319.4
37.5°	295.3	294.5	296.2	296.2	297.0	297.9	298.8	300.5	302.2	303.9	305.7
40°	280.7	279.0	280.7	281.5	282.4	283.3	284.1	285.0	287.6	289.3	291.0
42.5°	266.0	264.3	266.0	266.9	268.6	268.6	268.6	270.4	272.9	274.7	276.4
45°	251.4	249.7	251.4	251.4	253.1	254.0	254.0	254.9	257.4	259.2	261.7
47.5°	235.9	235.9	236.8	237.6	238.5	238.5	239.4	240.2	241.9	245.4	246.2
50°	218.7	218.7	219.6	221.3	222.1	223.9	223.9	224.7	226.4	229.0	230.7
52.5°	204.1	203.2	204.1	204.9	205.8	206.6	206.6	207.5	209.2	211.8	213.5
55°	189.4	189.4	189.4	190.3	191.1	191.1	192.0	192.9	193.7	195.4	198.0
57.5°	173.9	173.9	174.8	174.8	175.6	175.6	176.5	177.4	178.2	179.9	182.5
60°	158.4	159.3	158.4	159.3	160.1	160.1	161.0	161.9	162.7	164.5	167.0
62.5°	143.8	143.8	143.8	143.8	144.6	144.6	145.5	146.4	148.1	149.0	150.7
65°	128.3	128.3	128.3	128.3	130.0	130.0	130.0	131.7	132.6	132.6	135.2
67.5°	112.8	113.7	112.8	113.7	114.5	114.5	114.5	116.2	117.1	118.0	118.8
70°	97.3	98.2	98.2	98.2	99.0	99.0	99.0	100.7	101.6	102.5	103.3
72.5°	82.7	82.7	83.5	83.5	83.5	83.5	84.4	85.2	86.1	87.0	87.8
75°	68.0	68.0	68.0	68.0	68.9	68.9	68.9	70.6	71.5	72.3	72.3
77.5°	52.5	53.4	52.5	52.5	53.4	53.4	54.2	55.1	56.0	57.7	58.5
80°	37.9	37.9	38.7	38.7	39.6	38.7	39.6	40.5	41.3	43.1	43.1
82.5°	24.1	24.1	24.1	25.0	25.0	25.8	25.8	25.8	26.7	28.4	29.3
85°	10.3	10.3	10.3	10.3	12.1	12.1	12.1	12.9	13.8	14.6	15.5
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.6	8.6	9.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.9	12.9	13.8	14.6	15.5	17.2
100°	18.1	18.1	18.9	18.9	18.9	19.8	19.8	21.5	23.2	25.8	30.1
102.5°	26.7	25.8	26.7	26.7	27.6	28.4	29.3	31.9	35.3	41.3	50.8
105°	37.0	36.2	37.0	37.9	39.6	41.3	43.1	48.2	56.0	69.7	93.8
107.5°	52.5	51.7	53.4	56.0	59.4	63.7	68.0	77.5	101.6	140.3	198.0
110°	77.5	80.9	84.4	92.1	103.3	115.4	123.1	164.5	215.3	298.8	394.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	149.0	160.1	170.5	196.3	232.5	266.0	285.9	378.0	455.5	537.3	588.1
115°	359.9	386.6	395.2	460.6	515.7	561.4	581.2	656.9	690.5	706.9	708.6
117.5°	701.7	726.7	726.7	765.4	796.4	811.1	812.8	820.5	814.5	804.2	783.5
120°	921.3	923.0	926.4	925.6	926.4	924.7	918.7	907.5	886.8	865.3	840.3
122.5°	1009.1	1007.4	1004.8	997.0	988.4	983.3	973.8	957.4	936.8	911.8	886.0
125°	1055.6	1053.0	1049.6	1041.8	1030.6	1026.3	1015.1	997.0	976.4	952.3	927.3
127.5°	1090.0	1087.4	1083.1	1076.3	1065.1	1059.9	1049.6	1030.6	1010.8	989.3	964.3
130°	1118.4	1115.9	1111.6	1107.2	1096.9	1090.0	1080.6	1061.6	1043.5	1021.1	997.0
132.5°	1144.3	1140.8	1136.5	1133.1	1122.7	1117.6	1107.2	1090.0	1071.9	1050.4	1025.5
135°	1166.7	1162.4	1157.2	1153.7	1144.3	1138.2	1128.8	1113.3	1096.1	1075.4	1051.3
137.5°	1183.9	1179.6	1175.3	1170.1	1162.4	1153.7	1148.6	1134.8	1117.6	1098.6	1077.1
140°	1198.5	1195.1	1190.8	1187.3	1178.7	1170.1	1164.9	1152.9	1136.5	1120.2	1100.4
142.5°	1210.6	1208.0	1203.7	1199.4	1191.6	1183.9	1179.6	1168.4	1155.5	1138.2	1120.2
145°	1220.0	1217.5	1214.0	1210.6	1202.8	1196.8	1191.6	1183.9	1171.0	1153.7	1138.2
147.5°	1228.6	1226.1	1223.5	1220.0	1212.3	1208.0	1203.7	1195.1	1182.2	1166.7	1153.7
150°	1234.7	1232.1	1229.5	1226.9	1219.2	1214.9	1212.3	1203.7	1192.5	1177.0	1166.7
152.5°	1238.1	1235.5	1233.0	1231.2	1223.5	1219.2	1216.6	1208.8	1197.7	1183.9	1173.5
155°	1239.0	1237.3	1234.7	1232.1	1224.3	1219.2	1218.3	1210.6	1201.1	1188.2	1178.7
157.5°	1237.3	1234.7	1232.1	1229.5	1221.8	1218.3	1216.6	1210.6	1202.0	1191.6	1182.2
160°	1233.0	1230.4	1229.5	1226.1	1220.0	1217.5	1215.7	1210.6	1202.8	1193.3	1183.0
162.5°	1225.2	1224.3	1223.5	1220.9	1216.6	1214.0	1213.1	1208.0	1200.2	1192.5	1181.3
165°	1217.5	1215.7	1214.0	1211.4	1208.0	1206.3	1204.5	1201.1	1193.3	1188.2	1177.0
167.5°	1205.4	1202.8	1201.1	1198.5	1194.2	1195.1	1193.3	1191.6	1185.6	1183.0	1171.8
170°	1190.8	1189.9	1187.3	1185.6	1183.0	1183.9	1183.0	1181.3	1176.1	1174.4	1164.9
172.5°	1177.0	1174.4	1173.5	1171.8	1169.2	1168.4	1169.2	1167.5	1164.9	1165.8	1156.3
175°	1158.0	1155.5	1155.5	1153.7	1152.0	1152.9	1153.7	1154.6	1151.2	1154.6	1146.0
177.5°	1134.8	1133.1	1134.8	1136.5	1135.7	1137.4	1138.2	1139.1	1137.4	1140.8	1133.1
180°	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	430.5	433.1	433.9	433.1
5°	427.1	427.9	427.1	427.9	427.9	427.9	427.9	429.6	431.4	432.2	431.4
7.5°	424.5	425.3	424.5	424.5	425.3	424.5	425.3	426.2	427.9	428.8	427.9
10°	420.2	420.2	420.2	421.0	421.0	421.0	421.0	422.8	424.5	424.5	423.6
12.5°	414.1	415.0	415.0	415.9	415.9	415.0	415.9	417.6	418.4	419.3	418.4
15°	408.1	408.1	408.1	409.0	409.0	409.0	409.0	410.7	412.4	413.3	412.4
17.5°	398.6	399.5	399.5	400.4	400.4	401.2	400.4	402.9	403.8	404.7	403.8
20°	390.0	390.0	390.9	390.9	391.8	391.8	391.8	393.5	395.2	396.1	395.2
22.5°	379.7	380.6	380.6	381.4	382.3	381.4	382.3	384.0	384.9	385.7	385.7
25°	368.5	369.4	369.4	371.1	371.1	371.1	371.1	372.8	374.5	376.3	375.4
27.5°	357.3	357.3	358.2	359.9	359.9	360.8	360.8	362.5	364.2	365.1	364.2
30°	345.3	345.3	346.1	347.0	347.8	347.8	348.7	350.4	352.1	353.9	352.1
32.5°	333.2	332.3	334.1	334.9	335.8	335.8	335.8	338.4	339.2	341.0	340.1
35°	319.4	318.6	320.3	321.2	322.0	322.0	323.7	324.6	326.3	327.2	326.3
37.5°	306.5	305.7	307.4	308.2	308.2	309.1	310.0	311.7	313.4	314.3	314.3
40°	292.7	291.9	292.7	294.5	294.5	295.3	296.2	297.0	297.9	300.5	299.6
42.5°	279.0	278.1	279.0	279.8	280.7	280.7	282.4	282.4	285.0	285.0	285.0
45°	262.6	263.5	264.3	266.0	266.0	265.2	266.9	267.8	270.4	270.4	269.5
47.5°	248.0	248.8	248.8	251.4	251.4	250.6	252.3	253.1	254.9	255.7	254.9
50°	232.5	233.3	234.2	235.9	235.9	235.9	236.8	238.5	239.4	239.4	239.4
52.5°	214.4	215.3	217.0	219.6	219.6	219.6	221.3	221.3	223.0	223.0	223.9
55°	198.9	199.8	201.5	203.2	203.2	204.1	204.9	205.8	206.6	205.8	206.6
57.5°	183.4	185.1	186.8	187.7	187.7	188.6	189.4	190.3	191.1	191.1	191.1
60°	167.9	168.8	169.6	172.2	172.2	173.1	173.9	174.8	174.8	175.6	175.6
62.5°	152.4	154.1	155.0	155.8	157.6	156.7	158.4	158.4	159.3	160.1	160.1
65°	136.0	136.9	138.6	140.3	140.3	141.2	142.9	142.9	143.8	144.6	144.6
67.5°	120.5	123.1	123.1	124.8	125.7	125.7	126.6	128.3	128.3	129.2	129.2
70°	104.2	106.8	107.6	108.5	109.3	110.2	111.1	111.9	112.8	113.7	113.7
72.5°	89.5	91.3	92.1	93.0	93.8	93.8	95.6	95.6	97.3	98.2	98.2
75°	73.2	74.9	75.8	77.5	78.4	79.2	80.1	80.1	81.8	83.5	82.7
77.5°	59.4	60.3	61.1	62.0	62.9	63.7	64.6	65.4	66.3	67.2	67.2
80°	44.8	45.6	45.6	47.4	48.2	49.1	49.9	50.8	50.8	51.7	52.5
82.5°	30.1	31.0	31.9	32.7	33.6	34.4	35.3	36.2	36.2	37.0	37.0
85°	16.4	17.2	18.1	18.9	19.8	20.7	21.5	22.4	22.4	23.2	23.2
87.5°	3.4	4.3	5.2	6.0	6.9	7.7	8.6	9.5	9.5	10.3	10.3
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9
92.5°	4.3	5.2	5.2	6.9	7.7	8.6	10.3	12.1	10.3	8.6	9.5
95°	10.3	12.9	15.5	20.7	24.1	27.6	32.7	32.7	26.7	23.2	21.5
97.5°	20.7	25.8	34.4	46.5	54.2	59.4	65.4	62.0	51.7	43.1	38.7
100°	37.0	49.9	66.3	93.0	104.2	110.2	111.9	102.5	85.2	71.5	62.0
102.5°	66.3	96.4	133.5	167.0	177.4	179.1	167.9	150.7	127.4	106.8	92.1
105°	131.7	190.3	236.8	265.2	268.6	262.6	236.8	209.2	178.2	150.7	128.3
107.5°	278.1	338.4	362.5	364.2	356.5	341.8	309.1	277.2	234.2	200.6	171.3
110°	460.6	481.3	471.0	450.3	434.8	411.6	373.7	338.4	292.7	257.4	222.1





TEST NUMBER: P303236

CATALOG NUMBER: CTW-F-7525-50L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	595.8	585.5	557.9	520.9	499.4	478.7	439.1	400.4	351.3	314.3	276.4
115°	687.9	660.4	625.1	583.8	559.7	540.7	501.1	454.6	408.1	370.2	330.6
117.5°	754.2	717.2	681.1	642.3	619.9	598.4	557.9	512.3	463.2	426.2	385.7
120°	805.0	769.7	731.9	694.8	671.6	653.5	613.0	564.8	518.3	477.9	441.7
122.5°	851.5	815.4	780.1	744.8	724.1	703.4	659.5	613.0	568.3	531.2	493.4
125°	893.7	857.6	824.0	790.4	768.0	746.5	703.4	660.4	617.3	578.6	545.0
127.5°	932.5	898.9	864.4	832.6	809.3	787.8	746.5	704.3	665.6	627.7	594.1
130°	966.9	936.8	903.2	871.3	847.2	826.6	787.0	747.3	710.3	674.2	639.7
132.5°	998.8	970.3	938.5	904.1	880.8	862.7	825.7	787.8	754.2	720.7	685.4
135°	1028.9	998.8	967.8	934.2	912.7	896.3	859.3	824.0	793.0	762.0	729.3
137.5°	1057.3	1022.9	993.6	960.9	941.9	926.4	892.9	860.1	830.9	799.0	769.7
140°	1078.8	1046.1	1016.0	985.0	969.5	955.7	923.0	892.9	866.2	836.9	808.5
142.5°	1097.8	1065.1	1038.4	1008.2	993.6	981.5	951.4	923.9	899.7	873.1	844.6
145°	1112.4	1082.3	1058.2	1030.6	1017.7	1005.6	976.4	952.3	929.9	903.2	878.2
147.5°	1126.2	1098.6	1076.3	1050.4	1040.1	1028.0	1001.3	979.8	959.2	935.9	910.9
150°	1137.4	1113.3	1091.7	1068.5	1059.0	1047.8	1023.7	1003.9	985.0	965.2	941.9
152.5°	1146.0	1125.3	1106.4	1084.9	1076.3	1065.9	1045.3	1028.0	1010.8	991.9	970.3
155°	1152.0	1135.7	1118.4	1100.4	1090.9	1083.1	1063.3	1048.7	1034.1	1016.0	996.2
157.5°	1158.0	1143.4	1126.2	1110.7	1103.8	1095.2	1078.8	1066.8	1053.9	1038.4	1020.3
160°	1160.6	1148.6	1133.1	1120.2	1114.1	1107.2	1091.7	1082.3	1071.1	1058.2	1041.8
162.5°	1161.5	1151.2	1138.2	1127.9	1122.7	1116.7	1102.9	1095.2	1086.6	1075.4	1059.9
165°	1161.5	1152.9	1142.5	1133.9	1129.6	1124.5	1112.4	1106.4	1098.6	1090.0	1076.3
167.5°	1158.9	1152.0	1143.4	1136.5	1133.1	1127.9	1119.3	1115.9	1109.8	1102.9	1091.7
170°	1154.6	1149.4	1142.5	1138.2	1134.8	1130.5	1124.5	1121.9	1119.3	1114.1	1102.9
172.5°	1148.6	1144.3	1139.1	1136.5	1134.8	1131.4	1125.3	1126.2	1124.5	1120.2	1112.4
175°	1140.0	1137.4	1134.8	1133.1	1131.4	1128.8	1125.3	1127.0	1127.9	1126.2	1119.3
177.5°	1128.8	1127.9	1127.0	1127.0	1124.5	1124.5	1122.7	1126.2	1129.6	1129.6	1124.5
180°	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6



TEST NUMBER: P303236

CATALOG NUMBER: CTW-F-7525-50L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	431.4	429.6	428.8	428.8	428.8	427.9	427.9	428.8	430.5	433.1	430.5
5°	430.5	427.9	427.9	427.9	427.9	427.1	426.2	427.1	428.8	431.4	428.8
7.5°	427.1	425.3	424.5	424.5	424.5	423.6	423.6	423.6	425.3	427.9	425.3
10°	422.8	421.0	421.0	421.0	420.2	419.3	419.3	419.3	421.9	423.6	421.0
12.5°	417.6	415.9	415.9	415.0	415.0	414.1	413.3	414.1	416.7	417.6	415.9
15°	410.7	409.0	409.0	409.0	408.1	408.1	407.3	407.3	409.8	410.7	409.0
17.5°	402.9	401.2	400.4	401.2	400.4	399.5	399.5	399.5	401.2	402.1	399.5
20°	393.5	391.8	391.8	390.9	390.9	390.0	390.0	390.0	392.6	391.8	390.0
22.5°	384.0	382.3	382.3	381.4	381.4	380.6	379.7	379.7	383.1	380.6	379.7
25°	373.7	372.0	372.0	371.1	370.2	369.4	369.4	369.4	371.1	369.4	368.5
27.5°	363.3	361.6	361.6	360.8	359.9	358.2	358.2	358.2	360.8	358.2	358.2
30°	350.4	349.6	349.6	348.7	347.0	346.1	346.1	347.0	348.7	346.1	345.3
32.5°	338.4	336.7	336.7	336.7	334.9	334.1	334.1	334.9	335.8	333.2	332.3
35°	324.6	323.7	323.7	322.9	321.2	321.2	320.3	321.2	321.2	319.4	318.6
37.5°	311.7	310.8	310.0	310.0	308.2	308.2	308.2	309.1	308.2	306.5	305.7
40°	297.9	297.0	296.2	295.3	294.5	294.5	294.5	296.2	294.5	292.7	291.9
42.5°	284.1	283.3	282.4	281.5	280.7	280.7	280.7	281.5	279.8	279.0	278.1
45°	268.6	268.6	267.8	266.9	266.9	266.9	266.0	266.9	265.2	264.3	262.6
47.5°	254.0	254.0	253.1	253.1	252.3	252.3	252.3	252.3	250.6	250.6	248.8
50°	239.4	238.5	237.6	238.5	238.5	237.6	237.6	236.8	235.9	235.9	233.3
52.5°	223.0	223.9	221.3	222.1	223.0	221.3	221.3	220.4	220.4	218.7	217.0
55°	206.6	206.6	206.6	206.6	207.5	205.8	204.9	204.1	204.9	203.2	201.5
57.5°	191.1	191.1	191.1	191.1	192.0	190.3	189.4	190.3	189.4	187.7	186.8
60°	176.5	175.6	175.6	175.6	176.5	174.8	174.8	173.9	173.9	171.3	171.3
62.5°	161.0	160.1	161.0	160.1	161.0	160.1	158.4	159.3	158.4	156.7	155.8
65°	145.5	144.6	145.5	144.6	144.6	143.8	142.9	142.9	142.1	141.2	140.3
67.5°	130.0	129.2	129.2	129.2	130.0	128.3	129.2	127.4	126.6	126.6	124.8
70°	113.7	113.7	113.7	112.8	113.7	111.9	111.9	111.9	111.1	110.2	109.3
72.5°	99.0	98.2	98.2	97.3	98.2	97.3	96.4	96.4	95.6	95.6	94.7
75°	82.7	82.7	82.7	82.7	82.7	81.8	80.9	80.9	80.1	80.1	79.2
77.5°	67.2	67.2	67.2	67.2	67.2	67.2	65.4	65.4	65.4	65.4	63.7
80°	52.5	52.5	52.5	51.7	52.5	51.7	50.8	50.8	50.8	49.9	49.1
82.5°	37.9	37.9	37.9	37.0	37.9	37.0	37.0	36.2	35.3	35.3	33.6
85°	23.2	24.1	24.1	23.2	23.2	23.2	23.2	21.5	20.7	20.7	19.8
87.5°	10.3	10.3	10.3	9.5	9.5	9.5	8.6	8.6	7.7	7.7	7.7
90°	1.7	2.6	3.4	4.3	4.3	5.2	6.0	6.0	6.0	6.0	6.9
92.5°	13.8	18.1	18.9	20.7	19.8	20.7	20.7	19.8	20.7	18.9	19.8
95°	24.1	27.6	33.6	37.0	39.6	43.9	45.6	44.8	43.1	42.2	43.1
97.5°	37.9	41.3	43.9	44.8	46.5	52.5	58.5	62.9	66.3	68.0	69.7
100°	58.5	56.0	59.4	62.0	63.7	62.9	65.4	70.6	74.9	78.4	81.8
102.5°	84.4	77.5	74.9	76.6	79.2	84.4	84.4	83.5	85.2	87.8	93.0
105°	114.5	105.0	98.2	97.3	97.3	100.7	106.8	109.3	104.2	104.2	105.9
107.5°	151.5	136.0	125.7	122.3	121.4	119.7	124.0	130.9	135.2	134.3	129.2
110°	193.7	173.1	158.4	152.4	149.0	143.8	144.6	147.2	152.4	159.3	163.6



TEST NUMBER: P303236

CATALOG NUMBER: CTW-F-7525-50L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	243.7	217.8	195.4	187.7	179.1	172.2	167.0	167.9	170.5	175.6	181.7
115°	296.2	266.9	238.5	228.2	217.8	202.3	193.7	191.1	192.0	193.7	197.2
117.5°	349.6	317.7	285.9	272.9	260.9	242.8	226.4	217.8	214.4	213.5	217.0
120°	403.8	368.5	337.5	322.9	308.2	287.6	266.0	249.7	242.8	237.6	237.6
122.5°	457.2	422.8	388.3	373.7	357.3	333.2	310.0	289.3	275.5	265.2	260.9
125°	508.0	476.1	440.0	426.2	409.0	382.3	356.5	334.9	316.8	300.5	290.2
127.5°	557.9	526.9	490.8	477.0	461.5	433.1	409.0	383.1	364.2	343.5	328.0
130°	607.0	576.0	541.6	527.8	513.2	485.6	457.2	432.2	413.3	392.6	375.4
132.5°	653.5	622.5	591.5	576.0	561.4	535.5	508.0	483.0	462.4	442.6	426.2
135°	699.1	666.4	637.1	622.5	607.9	583.8	557.9	534.7	512.3	491.6	475.3
137.5°	740.5	710.3	681.9	667.3	653.5	630.3	607.9	586.3	564.0	542.4	524.3
140°	780.1	750.8	724.1	711.2	697.4	674.2	654.4	635.4	614.8	589.8	574.3
142.5°	818.0	788.7	765.4	752.5	737.9	718.1	698.3	681.1	663.8	642.3	624.2
145°	853.3	824.0	802.5	791.3	777.5	758.5	739.6	724.1	710.3	688.8	672.4
147.5°	886.8	860.1	839.5	827.4	816.2	798.1	780.1	765.4	756.0	734.4	718.9
150°	919.5	892.0	873.9	862.7	851.5	835.2	818.8	805.0	796.4	778.3	763.7
152.5°	948.8	923.9	907.5	897.2	886.8	870.5	855.0	842.1	836.0	817.1	808.5
155°	977.2	953.1	938.5	929.9	919.5	901.5	889.4	876.5	873.9	857.6	845.5
157.5°	1002.2	980.7	966.0	957.4	948.8	933.3	921.3	910.9	908.4	893.7	882.5
160°	1023.7	1004.8	991.9	985.0	977.2	961.7	950.5	941.9	938.5	928.2	917.8
162.5°	1045.3	1027.2	1016.0	1009.1	1003.1	988.4	979.0	970.3	967.8	960.9	950.5
165°	1063.3	1047.0	1036.6	1031.5	1026.3	1013.4	1004.8	997.0	996.2	991.0	979.8
167.5°	1079.7	1065.1	1056.4	1052.1	1047.0	1035.8	1028.9	1022.0	1021.1	1020.3	1008.2
170°	1092.6	1080.6	1072.8	1069.4	1065.9	1055.6	1049.6	1044.4	1044.4	1045.3	1034.9
172.5°	1103.8	1093.5	1088.3	1084.0	1082.3	1072.8	1068.5	1064.2	1065.9	1067.6	1058.2
175°	1112.4	1103.8	1098.6	1096.9	1095.2	1087.4	1084.9	1083.1	1085.7	1089.2	1079.7
177.5°	1120.2	1112.4	1109.8	1108.1	1107.2	1101.2	1100.4	1098.6	1102.1	1107.2	1099.5
180°	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6



TEST NUMBER: P303236

CATALOG NUMBER: CTW-F-7525-50L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	431.4	431.4	431.4	430.5	429.6	428.8	427.1	427.1
5°	429.6	429.6	428.8	428.8	427.9	427.9	427.1	427.9
7.5°	426.2	426.2	425.3	425.3	425.3	425.3	424.5	425.3
10°	421.9	421.9	420.2	420.2	420.2	420.2	420.2	420.2
12.5°	415.9	415.0	415.0	414.1	414.1	415.0	415.0	415.0
15°	409.0	409.0	408.1	407.3	408.1	408.1	408.1	408.1
17.5°	400.4	399.5	399.5	398.6	399.5	399.5	398.6	399.5
20°	390.0	389.2	389.2	388.3	389.2	388.3	388.3	388.3
22.5°	378.8	378.0	378.0	377.1	378.0	378.0	378.0	378.0
25°	367.6	366.8	365.9	365.9	365.9	365.9	365.9	365.9
27.5°	356.5	355.6	354.7	354.7	354.7	353.9	353.9	353.0
30°	343.5	343.5	341.8	341.8	341.8	341.0	341.0	340.1
32.5°	331.5	330.6	329.8	328.9	328.9	328.0	327.2	327.2
35°	317.7	316.8	316.0	315.1	315.1	314.3	313.4	314.3
37.5°	304.8	303.9	302.2	302.2	302.2	300.5	300.5	299.6
40°	290.2	288.4	288.4	288.4	287.6	286.7	286.7	285.9
42.5°	275.5	274.7	273.8	273.8	273.8	272.1	272.1	272.1
45°	261.7	260.9	260.9	259.2	259.2	257.4	257.4	258.3
47.5°	246.2	246.2	246.2	245.4	244.5	243.7	243.7	243.7
50°	231.6	231.6	229.9	229.9	229.9	229.0	228.2	228.2
52.5°	215.3	214.4	214.4	213.5	212.7	212.7	212.7	212.7
55°	199.8	199.8	199.8	198.9	198.0	198.0	197.2	198.0
57.5°	185.1	185.1	185.1	184.3	183.4	183.4	182.5	183.4
60°	170.5	169.6	169.6	168.8	167.9	168.8	167.9	167.9
62.5°	155.0	154.1	155.0	154.1	153.3	152.4	152.4	153.3
65°	140.3	139.5	139.5	138.6	137.8	137.8	137.8	137.8
67.5°	124.8	124.0	124.0	123.1	123.1	123.1	123.1	123.1
70°	109.3	108.5	108.5	107.6	107.6	107.6	107.6	107.6
72.5°	94.7	93.8	93.8	93.0	93.0	93.0	93.0	93.0
75°	79.2	78.4	78.4	78.4	78.4	77.5	77.5	77.5
77.5°	64.6	63.7	63.7	63.7	62.9	62.9	62.9	62.9
80°	49.9	49.1	49.1	49.1	48.2	48.2	48.2	47.4
82.5°	34.4	33.6	33.6	34.4	32.7	33.6	32.7	32.7
85°	19.8	18.9	18.9	18.9	18.9	18.9	18.9	18.1
87.5°	7.7	6.9	6.9	7.7	6.9	7.7	7.7	7.7
90°	6.9	6.9	7.7	7.7	8.6	8.6	9.5	9.5
92.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
95°	42.2	42.2	42.2	42.2	42.2	42.2	42.2	41.3
97.5°	70.6	69.7	69.7	69.7	69.7	68.9	68.0	68.0
100°	84.4	87.0	87.8	88.7	89.5	90.4	91.3	90.4
102.5°	96.4	98.2	99.0	99.9	100.7	101.6	102.5	102.5
105°	107.6	108.5	109.3	111.1	113.7	116.2	117.1	117.1
107.5°	129.2	129.2	130.0	130.9	130.0	130.9	130.9	130.9
110°	163.6	158.4	157.6	155.8	153.3	154.1	154.1	154.1



TEST NUMBER: P303236

CATALOG NUMBER: CTW-F-7525-50L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	186.0	189.4	191.1	191.1	191.1	192.0	189.4	188.6
115°	203.2	206.6	208.4	209.2	211.8	214.4	215.3	215.3
117.5°	220.4	224.7	226.4	227.3	229.9	232.5	233.3	233.3
120°	239.4	241.1	242.8	242.8	245.4	247.1	248.0	248.0
122.5°	258.3	258.3	260.0	260.0	261.7	261.7	263.5	262.6
125°	283.3	279.8	280.7	278.1	279.0	279.0	279.0	278.1
127.5°	316.8	309.1	308.2	304.8	302.2	301.4	299.6	298.8
130°	359.0	347.0	343.5	339.2	334.9	332.3	327.2	328.0
132.5°	408.1	392.6	388.3	383.1	377.1	371.1	367.6	367.6
135°	458.9	443.4	438.2	432.2	425.3	418.4	415.0	415.0
137.5°	508.0	494.2	489.0	483.9	476.1	471.0	464.1	465.8
140°	559.7	544.2	539.0	533.8	528.7	519.2	516.6	519.2
142.5°	609.6	593.2	588.9	583.8	578.6	571.7	566.5	569.1
145°	658.7	642.3	638.0	632.8	628.5	619.1	618.2	618.2
147.5°	706.9	692.2	687.9	682.8	678.5	671.6	668.1	669.0
150°	752.5	739.6	735.3	730.1	725.8	717.2	714.6	717.2
152.5°	796.4	784.4	780.1	774.9	771.5	763.7	762.0	764.6
155°	836.9	824.8	821.4	816.2	813.6	807.6	807.6	808.5
157.5°	874.8	865.3	861.0	857.6	855.0	848.1	848.1	850.7
160°	911.8	903.2	900.6	895.4	892.9	887.7	886.8	886.0
162.5°	947.1	939.4	935.9	932.5	929.9	925.6	923.9	923.9
165°	975.5	970.3	966.9	965.2	963.5	960.0	958.3	958.3
167.5°	1006.5	999.6	997.0	993.6	992.7	990.2	989.3	991.9
170°	1031.5	1028.0	1024.6	1022.0	1020.3	1018.6	1017.7	1020.3
172.5°	1056.4	1053.0	1051.3	1048.7	1047.8	1047.0	1047.0	1049.6
175°	1079.7	1077.1	1074.5	1071.9	1071.9	1070.2	1071.1	1072.8
177.5°	1100.4	1098.6	1097.8	1095.2	1093.5	1091.7	1090.9	1090.9
180°	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6

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