

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: P303235

Luminaire Tested: **CTW-F-7525-50L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303235
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-7525-50L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

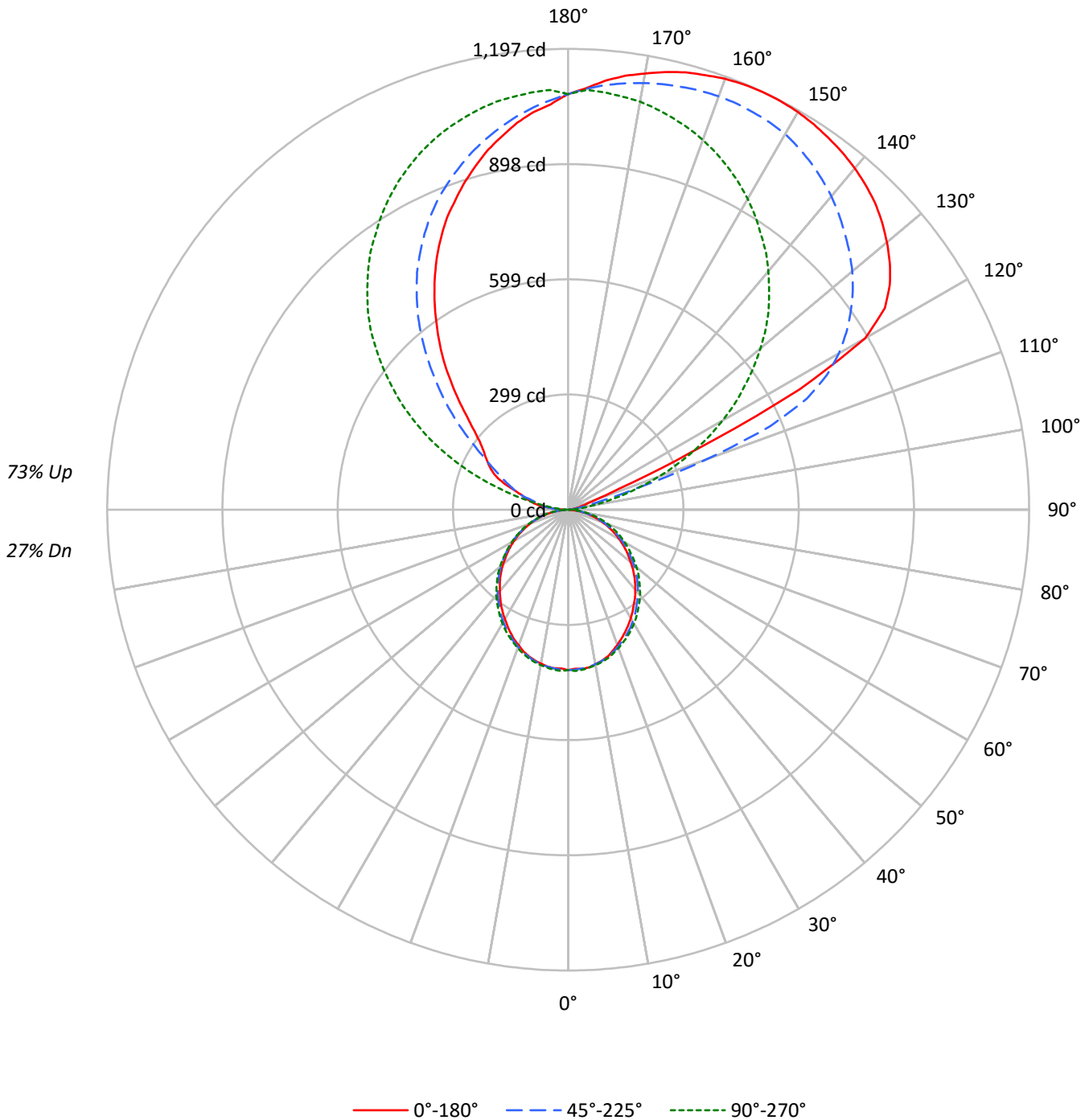
Lumens per Lamp: N/A
Luminaire Lumens: 4158.2 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (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	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°	8971	8971	8971
5°	8968	9022	8934
10°	8908	8963	8873
15°	8806	8897	8786
20°	8554	8765	8593
25°	8318	8634	8397
30°	8084	8497	8166
35°	7826	8307	7979
40°	7619	8158	7759
45°	7395	7952	7596
50°	7077	7743	7381
55°	6868	7461	7180
60°	6588	7307	6984
65°	6311	7116	6780
70°	5917	6911	6546
75°	5465	6712	6230
80°	4537	6186	5666
85°	2470	5558	4323



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	0.9
10°-20°	111.3	2.7
20°-30°	164.2	3.9
30°-40°	192.7	4.6
40°-50°	195.4	4.7
50°-60°	173.2	4.2
60°-70°	132.5	3.2
70°-80°	78.6	1.9
80°-90°	21.8	0.5
90°-100°	30.4	0.7
100°-110°	129.3	3.1
110°-120°	367.9	8.8
120°-130°	537.7	12.9
130°-140°	580.1	14.0
140°-150°	552.2	13.3
150°-160°	453.1	10.9
160°-170°	295.9	7.1
170°-180°	102.5	2.5
0°-30°	314.8	7.6
0°-40°	507.5	12.2
0°-60°	876.1	21.1
0°-90°	1109.1	26.7
90°-120°	527.6	12.7
90°-150°	2197.7	52.9
90°-180°	3049.0	73.3
0°-180°	4158.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	417	417	417	417	417	
5°	415	414	418	414	413	39
15°	395	396	399	396	394	111
25°	350	358	364	358	354	161
35°	298	309	316	310	304	187
45°	243	253	261	256	250	187
55°	183	191	199	198	191	163
65°	124	131	140	137	133	123
75°	66	70	81	77	75	69
85°	10	15	22	20	18	14
90°	2	2	1	6	9	1
95°	8	9	22	42	40	8
105°	36	91	146	101	113	42
115°	348	684	358	186	208	404
125°	1020	896	559	306	269	903
135°	1127	1016	736	495	401	869
145°	1179	1100	872	686	597	739
155°	1197	1139	981	844	781	553
165°	1176	1137	1053	962	926	333
175°	1119	1107	1088	1049	1036	108
180°	1080	1080	1080	1080	1080	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	413.4	413.4	414.2	415.9	415.9	415.9	416.7	417.5	416.7	418.4	415.9
5°	415.0	414.2	414.2	414.2	414.2	415.0	415.0	415.9	415.0	416.7	414.2
7.5°	413.4	412.5	412.5	411.7	410.9	410.9	411.7	412.5	411.7	413.4	411.7
10°	407.5	406.7	407.5	406.7	406.7	407.5	407.5	407.5	408.4	409.2	407.5
12.5°	401.7	401.7	400.9	400.9	400.9	400.9	401.7	402.6	402.6	403.4	402.6
15°	395.1	393.4	394.2	395.1	394.2	395.1	395.1	395.9	395.9	396.7	395.9
17.5°	384.3	384.3	385.1	385.9	385.9	385.9	386.8	386.8	387.6	388.4	387.6
20°	373.4	373.4	373.4	375.1	375.1	375.1	375.9	376.8	377.6	378.4	378.4
22.5°	361.8	361.8	361.8	363.5	363.5	363.5	365.1	366.0	366.8	367.6	368.5
25°	350.2	350.2	351.0	351.8	351.8	351.8	353.5	354.3	355.1	356.0	358.5
27.5°	337.7	337.7	338.5	339.3	340.2	341.0	341.8	342.7	344.3	345.2	347.7
30°	325.2	324.4	325.2	326.9	327.7	327.7	329.4	330.2	331.9	332.7	335.2
32.5°	311.9	311.1	311.9	313.6	314.4	314.4	316.1	316.9	318.6	319.4	322.7
35°	297.8	297.8	299.4	299.4	300.3	301.1	301.9	303.6	305.2	306.1	308.6
37.5°	285.3	284.5	286.1	286.1	286.9	287.8	288.6	290.3	291.9	293.6	295.3
40°	271.1	269.5	271.1	272.0	272.8	273.6	274.5	275.3	277.8	279.5	281.1
42.5°	257.0	255.3	257.0	257.8	259.5	259.5	259.5	261.2	263.7	265.3	267.0
45°	242.9	241.2	242.9	242.9	244.5	245.4	245.4	246.2	248.7	250.4	252.8
47.5°	227.9	227.9	228.7	229.6	230.4	230.4	231.2	232.1	233.7	237.0	237.9
50°	211.3	211.3	212.1	213.8	214.6	216.3	216.3	217.1	218.7	221.2	222.9
52.5°	197.1	196.3	197.1	198.0	198.8	199.6	199.6	200.4	202.1	204.6	206.3
55°	183.0	183.0	183.0	183.8	184.6	184.6	185.5	186.3	187.1	188.8	191.3
57.5°	168.0	168.0	168.8	168.8	169.7	169.7	170.5	171.3	172.2	173.8	176.3
60°	153.0	153.9	153.0	153.9	154.7	154.7	155.5	156.4	157.2	158.9	161.4
62.5°	138.9	138.9	138.9	138.9	139.7	139.7	140.6	141.4	143.1	143.9	145.6
65°	123.9	123.9	123.9	123.9	125.6	125.6	125.6	127.3	128.1	128.1	130.6
67.5°	109.0	109.8	109.0	109.8	110.6	110.6	110.6	112.3	113.1	113.9	114.8
70°	94.0	94.8	94.8	94.8	95.6	95.6	95.6	97.3	98.1	99.0	99.8
72.5°	79.8	79.8	80.7	80.7	80.7	80.7	81.5	82.3	83.2	84.0	84.8
75°	65.7	65.7	65.7	65.7	66.5	66.5	66.5	68.2	69.0	69.9	69.9
77.5°	50.7	51.6	50.7	50.7	51.6	51.6	52.4	53.2	54.1	55.7	56.6
80°	36.6	36.6	37.4	37.4	38.3	37.4	38.3	39.1	39.9	41.6	41.6
82.5°	23.3	23.3	23.3	24.1	24.1	25.0	25.0	25.0	25.8	27.4	28.3
85°	10.0	10.0	10.0	10.0	11.6	11.6	11.6	12.5	13.3	14.1	15.0
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.3	8.3	9.1
97.5°	11.6	11.6	11.6	11.6	11.6	12.5	12.5	13.3	14.1	15.0	16.6
100°	17.5	17.5	18.3	18.3	18.3	19.1	19.1	20.8	22.5	25.0	29.1
102.5°	25.8	25.0	25.8	25.8	26.6	27.4	28.3	30.8	34.1	39.9	49.1
105°	35.8	34.9	35.8	36.6	38.3	39.9	41.6	46.6	54.1	67.4	90.7
107.5°	50.7	49.9	51.6	54.1	57.4	61.5	65.7	74.9	98.1	135.6	191.3
110°	74.9	78.2	81.5	89.0	99.8	111.5	118.9	158.9	207.9	288.6	380.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	143.9	154.7	164.7	189.6	224.6	257.0	276.1	365.1	440.0	519.0	568.1
115°	347.7	373.4	381.8	445.0	498.2	542.3	561.4	634.6	667.0	682.9	684.5
117.5°	677.9	702.0	702.0	739.4	769.4	783.5	785.2	792.6	786.8	776.8	756.9
120°	890.0	891.6	894.9	894.1	894.9	893.3	887.5	876.6	856.7	835.9	811.8
122.5°	974.8	973.1	970.6	963.1	954.8	949.8	940.7	924.9	904.9	880.8	855.9
125°	1019.7	1017.2	1013.9	1006.4	995.6	991.4	980.6	963.1	943.2	919.9	895.8
127.5°	1053.0	1050.5	1046.3	1039.7	1028.9	1023.9	1013.9	995.6	976.5	955.7	931.5
130°	1080.4	1077.9	1073.8	1069.6	1059.6	1053.0	1043.8	1025.5	1008.1	986.4	963.1
132.5°	1105.4	1102.0	1097.9	1094.6	1084.6	1079.6	1069.6	1053.0	1035.5	1014.7	990.6
135°	1127.0	1122.8	1117.8	1114.5	1105.4	1099.5	1090.4	1075.4	1058.8	1038.8	1015.5
137.5°	1143.6	1139.5	1135.3	1130.3	1122.8	1114.5	1109.5	1096.2	1079.6	1061.3	1040.5
140°	1157.8	1154.4	1150.3	1147.0	1138.6	1130.3	1125.3	1113.7	1097.9	1082.1	1063.0
142.5°	1169.4	1166.9	1162.8	1158.6	1151.1	1143.6	1139.5	1128.7	1116.2	1099.5	1082.1
145°	1178.6	1176.1	1172.7	1169.4	1161.9	1156.1	1151.1	1143.6	1131.2	1114.5	1099.5
147.5°	1186.9	1184.4	1181.9	1178.6	1171.1	1166.9	1162.8	1154.4	1142.0	1127.0	1114.5
150°	1192.7	1190.2	1187.7	1185.2	1177.7	1173.6	1171.1	1162.8	1151.9	1137.0	1127.0
152.5°	1196.0	1193.5	1191.0	1189.4	1181.9	1177.7	1175.2	1167.8	1156.9	1143.6	1133.6
155°	1196.9	1195.2	1192.7	1190.2	1182.7	1177.7	1176.9	1169.4	1160.3	1147.8	1138.6
157.5°	1195.2	1192.7	1190.2	1187.7	1180.2	1176.9	1175.2	1169.4	1161.1	1151.1	1142.0
160°	1191.0	1188.5	1187.7	1184.4	1178.6	1176.1	1174.4	1169.4	1161.9	1152.8	1142.8
162.5°	1183.6	1182.7	1181.9	1179.4	1175.2	1172.7	1171.9	1166.9	1159.4	1151.9	1141.1
165°	1176.1	1174.4	1172.7	1170.2	1166.9	1165.3	1163.6	1160.3	1152.8	1147.8	1137.0
167.5°	1164.4	1161.9	1160.3	1157.8	1153.6	1154.4	1152.8	1151.1	1145.3	1142.8	1132.0
170°	1150.3	1149.5	1147.0	1145.3	1142.8	1143.6	1142.8	1141.1	1136.1	1134.5	1125.3
172.5°	1137.0	1134.5	1133.6	1132.0	1129.5	1128.7	1129.5	1127.8	1125.3	1126.2	1117.0
175°	1118.7	1116.2	1116.2	1114.5	1112.9	1113.7	1114.5	1115.4	1112.0	1115.4	1107.0
177.5°	1096.2	1094.6	1096.2	1097.9	1097.1	1098.7	1099.5	1100.4	1098.7	1102.0	1094.6
180°	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	415.9	418.4	419.2	418.4
5°	412.5	413.4	412.5	413.4	413.4	413.4	413.4	415.0	416.7	417.5	416.7
7.5°	410.0	410.9	410.0	410.0	410.9	410.0	410.9	411.7	413.4	414.2	413.4
10°	405.9	405.9	405.9	406.7	406.7	406.7	406.7	408.4	410.0	410.0	409.2
12.5°	400.1	400.9	400.9	401.7	401.7	400.9	401.7	403.4	404.2	405.1	404.2
15°	394.2	394.2	394.2	395.1	395.1	395.1	395.1	396.7	398.4	399.2	398.4
17.5°	385.1	385.9	385.9	386.8	386.8	387.6	386.8	389.3	390.1	390.9	390.1
20°	376.8	376.8	377.6	377.6	378.4	378.4	378.4	380.1	381.8	382.6	381.8
22.5°	366.8	367.6	367.6	368.5	369.3	368.5	369.3	371.0	371.8	372.6	372.6
25°	356.0	356.8	356.8	358.5	358.5	358.5	358.5	360.1	361.8	363.5	362.6
27.5°	345.2	345.2	346.0	347.7	347.7	348.5	348.5	350.2	351.8	352.7	351.8
30°	333.5	333.5	334.4	335.2	336.0	336.0	336.9	338.5	340.2	341.8	340.2
32.5°	321.9	321.0	322.7	323.5	324.4	324.4	324.4	326.9	327.7	329.4	328.5
35°	308.6	307.7	309.4	310.2	311.1	311.1	312.7	313.6	315.2	316.1	315.2
37.5°	296.1	295.3	296.9	297.8	297.8	298.6	299.4	301.1	302.8	303.6	303.6
40°	282.8	282.0	282.8	284.5	284.5	285.3	286.1	286.9	287.8	290.3	289.4
42.5°	269.5	268.6	269.5	270.3	271.1	271.1	272.8	272.8	275.3	275.3	275.3
45°	253.7	254.5	255.3	257.0	257.0	256.2	257.8	258.7	261.2	261.2	260.3
47.5°	239.5	240.4	240.4	242.9	242.9	242.0	243.7	244.5	246.2	247.0	246.2
50°	224.6	225.4	226.2	227.9	227.9	227.9	228.7	230.4	231.2	231.2	231.2
52.5°	207.1	207.9	209.6	212.1	212.1	212.1	213.8	213.8	215.4	215.4	216.3
55°	192.1	193.0	194.6	196.3	196.3	197.1	198.0	198.8	199.6	198.8	199.6
57.5°	177.2	178.8	180.5	181.3	181.3	182.1	183.0	183.8	184.6	184.6	184.6
60°	162.2	163.0	163.9	166.3	166.3	167.2	168.0	168.8	168.8	169.7	169.7
62.5°	147.2	148.9	149.7	150.5	152.2	151.4	153.0	153.0	153.9	154.7	154.7
65°	131.4	132.2	133.9	135.6	135.6	136.4	138.1	138.1	138.9	139.7	139.7
67.5°	116.4	118.9	118.9	120.6	121.4	121.4	122.3	123.9	123.9	124.8	124.8
70°	100.6	103.1	104.0	104.8	105.6	106.5	107.3	108.1	109.0	109.8	109.8
72.5°	86.5	88.2	89.0	89.8	90.7	90.7	92.3	92.3	94.0	94.8	94.8
75°	70.7	72.4	73.2	74.9	75.7	76.5	77.4	77.4	79.0	80.7	79.8
77.5°	57.4	58.2	59.1	59.9	60.7	61.5	62.4	63.2	64.0	64.9	64.9
80°	43.3	44.1	44.1	45.7	46.6	47.4	48.2	49.1	49.1	49.9	50.7
82.5°	29.1	29.9	30.8	31.6	32.4	33.3	34.1	34.9	34.9	35.8	35.8
85°	15.8	16.6	17.5	18.3	19.1	20.0	20.8	21.6	21.6	22.5	22.5
87.5°	3.3	4.2	5.0	5.8	6.7	7.5	8.3	9.1	9.1	10.0	10.0
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8
92.5°	4.2	5.0	5.0	6.7	7.5	8.3	10.0	11.6	10.0	8.3	9.1
95°	10.0	12.5	15.0	20.0	23.3	26.6	31.6	31.6	25.8	22.5	20.8
97.5°	20.0	25.0	33.3	44.9	52.4	57.4	63.2	59.9	49.9	41.6	37.4
100°	35.8	48.2	64.0	89.8	100.6	106.5	108.1	99.0	82.3	69.0	59.9
102.5°	64.0	93.2	128.9	161.4	171.3	173.0	162.2	145.6	123.1	103.1	89.0
105°	127.3	183.8	228.7	256.2	259.5	253.7	228.7	202.1	172.2	145.6	123.9
107.5°	268.6	326.9	350.2	351.8	344.3	330.2	298.6	267.8	226.2	193.8	165.5
110°	445.0	464.9	455.0	435.0	420.0	397.6	361.0	326.9	282.8	248.7	214.6



TEST NUMBER: P303235

CATALOG NUMBER: CTW-F-7525-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	575.6	565.6	539.0	503.2	482.4	462.4	424.2	386.8	339.3	303.6	267.0
115°	664.6	637.9	603.8	563.9	540.6	522.3	484.1	439.2	394.2	357.6	319.4
117.5°	728.6	692.8	657.9	620.5	598.8	578.1	539.0	494.9	447.5	411.7	372.6
120°	777.7	743.6	707.0	671.2	648.8	631.3	592.2	545.6	500.7	461.6	426.7
122.5°	822.6	787.6	753.5	719.4	699.5	679.5	637.1	592.2	548.9	513.2	476.6
125°	863.3	828.4	796.0	763.5	741.9	721.1	679.5	637.9	596.4	558.9	526.5
127.5°	900.8	868.3	835.1	804.3	781.8	761.0	721.1	680.4	642.9	606.3	573.9
130°	934.0	904.9	872.5	841.7	818.4	798.5	760.2	721.9	686.2	651.2	618.0
132.5°	964.8	937.4	906.6	873.3	850.9	833.4	797.6	761.0	728.6	696.2	662.1
135°	993.9	964.8	934.9	902.4	881.6	865.8	830.1	796.0	766.0	736.1	704.5
137.5°	1021.4	988.1	959.8	928.2	909.9	894.9	862.5	830.9	802.6	771.8	743.6
140°	1042.2	1010.6	981.4	951.5	936.5	923.2	891.6	862.5	836.7	808.4	781.0
142.5°	1060.5	1028.9	1003.1	974.0	959.8	948.2	919.1	892.4	869.2	843.4	815.9
145°	1074.6	1045.5	1022.2	995.6	983.1	971.5	943.2	919.9	898.3	872.5	848.4
147.5°	1087.9	1061.3	1039.7	1014.7	1004.7	993.1	967.3	946.5	926.5	904.1	880.0
150°	1098.7	1075.4	1054.6	1032.2	1023.0	1012.2	988.9	969.8	951.5	932.4	909.9
152.5°	1107.0	1087.1	1068.8	1048.0	1039.7	1029.7	1009.7	993.1	976.5	958.2	937.4
155°	1112.9	1097.1	1080.4	1063.0	1053.8	1046.3	1027.2	1013.0	998.9	981.4	962.3
157.5°	1118.7	1104.5	1087.9	1072.9	1066.3	1058.0	1042.2	1030.5	1018.0	1003.1	985.6
160°	1121.2	1109.5	1094.6	1082.1	1076.3	1069.6	1054.6	1045.5	1034.7	1022.2	1006.4
162.5°	1122.0	1112.0	1099.5	1089.6	1084.6	1078.8	1065.4	1058.0	1049.6	1038.8	1023.9
165°	1122.0	1113.7	1103.7	1095.4	1091.2	1086.2	1074.6	1068.8	1061.3	1053.0	1039.7
167.5°	1119.5	1112.9	1104.5	1097.9	1094.6	1089.6	1081.3	1077.9	1072.1	1065.4	1054.6
170°	1115.4	1110.4	1103.7	1099.5	1096.2	1092.1	1086.2	1083.7	1081.3	1076.3	1065.4
172.5°	1109.5	1105.4	1100.4	1097.9	1096.2	1092.9	1087.1	1087.9	1086.2	1082.1	1074.6
175°	1101.2	1098.7	1096.2	1094.6	1092.9	1090.4	1087.1	1088.7	1089.6	1087.9	1081.3
177.5°	1090.4	1089.6	1088.7	1088.7	1086.2	1086.2	1084.6	1087.9	1091.2	1091.2	1086.2
180°	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6



TEST NUMBER: P303235

CATALOG NUMBER: CTW-F-7525-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	416.7	415.0	414.2	414.2	414.2	413.4	413.4	414.2	415.9	418.4	415.9
5°	415.9	413.4	413.4	413.4	413.4	412.5	411.7	412.5	414.2	416.7	414.2
7.5°	412.5	410.9	410.0	410.0	410.0	409.2	409.2	409.2	410.9	413.4	410.9
10°	408.4	406.7	406.7	406.7	405.9	405.1	405.1	405.1	407.5	409.2	406.7
12.5°	403.4	401.7	401.7	400.9	400.9	400.1	399.2	400.1	402.6	403.4	401.7
15°	396.7	395.1	395.1	395.1	394.2	394.2	393.4	393.4	395.9	396.7	395.1
17.5°	389.3	387.6	386.8	387.6	386.8	385.9	385.9	385.9	387.6	388.4	385.9
20°	380.1	378.4	378.4	377.6	377.6	376.8	376.8	376.8	379.3	378.4	376.8
22.5°	371.0	369.3	369.3	368.5	368.5	367.6	366.8	366.8	370.1	367.6	366.8
25°	361.0	359.3	359.3	358.5	357.6	356.8	356.8	356.8	358.5	356.8	356.0
27.5°	351.0	349.3	349.3	348.5	347.7	346.0	346.0	346.0	348.5	346.0	346.0
30°	338.5	337.7	337.7	336.9	335.2	334.4	334.4	335.2	336.9	334.4	333.5
32.5°	326.9	325.2	325.2	325.2	323.5	322.7	322.7	323.5	324.4	321.9	321.0
35°	313.6	312.7	312.7	311.9	310.2	310.2	309.4	310.2	310.2	308.6	307.7
37.5°	301.1	300.3	299.4	299.4	297.8	297.8	297.8	298.6	297.8	296.1	295.3
40°	287.8	286.9	286.1	285.3	284.5	284.5	284.5	286.1	284.5	282.8	282.0
42.5°	274.5	273.6	272.8	272.0	271.1	271.1	271.1	272.0	270.3	269.5	268.6
45°	259.5	259.5	258.7	257.8	257.8	257.8	257.0	257.8	256.2	255.3	253.7
47.5°	245.4	245.4	244.5	244.5	243.7	243.7	243.7	243.7	242.0	242.0	240.4
50°	231.2	230.4	229.6	230.4	230.4	229.6	229.6	228.7	227.9	227.9	225.4
52.5°	215.4	216.3	213.8	214.6	215.4	213.8	213.8	212.9	212.9	211.3	209.6
55°	199.6	199.6	199.6	199.6	200.4	198.8	198.0	197.1	198.0	196.3	194.6
57.5°	184.6	184.6	184.6	184.6	185.5	183.8	183.0	183.8	183.0	181.3	180.5
60°	170.5	169.7	169.7	169.7	170.5	168.8	168.8	168.0	168.0	165.5	165.5
62.5°	155.5	154.7	155.5	154.7	155.5	154.7	153.0	153.9	153.0	151.4	150.5
65°	140.6	139.7	140.6	139.7	139.7	138.9	138.1	138.1	137.2	136.4	135.6
67.5°	125.6	124.8	124.8	124.8	125.6	123.9	124.8	123.1	122.3	122.3	120.6
70°	109.8	109.8	109.8	109.0	109.8	108.1	108.1	108.1	107.3	106.5	105.6
72.5°	95.6	94.8	94.8	94.0	94.8	94.0	93.2	93.2	92.3	92.3	91.5
75°	79.8	79.8	79.8	79.8	79.8	79.0	78.2	78.2	77.4	77.4	76.5
77.5°	64.9	64.9	64.9	64.9	64.9	64.9	63.2	63.2	63.2	63.2	61.5
80°	50.7	50.7	50.7	49.9	50.7	49.9	49.1	49.1	49.1	48.2	47.4
82.5°	36.6	36.6	36.6	35.8	36.6	35.8	35.8	34.9	34.1	34.1	32.4
85°	22.5	23.3	23.3	22.5	22.5	22.5	22.5	20.8	20.0	20.0	19.1
87.5°	10.0	10.0	10.0	9.1	9.1	9.1	8.3	8.3	7.5	7.5	7.5
90°	1.7	2.5	3.3	4.2	4.2	5.0	5.8	5.8	5.8	5.8	6.7
92.5°	13.3	17.5	18.3	20.0	19.1	20.0	20.0	19.1	20.0	18.3	19.1
95°	23.3	26.6	32.4	35.8	38.3	42.4	44.1	43.3	41.6	40.8	41.6
97.5°	36.6	39.9	42.4	43.3	44.9	50.7	56.6	60.7	64.0	65.7	67.4
100°	56.6	54.1	57.4	59.9	61.5	60.7	63.2	68.2	72.4	75.7	79.0
102.5°	81.5	74.9	72.4	74.0	76.5	81.5	81.5	80.7	82.3	84.8	89.8
105°	110.6	101.5	94.8	94.0	94.0	97.3	103.1	105.6	100.6	100.6	102.3
107.5°	146.4	131.4	121.4	118.1	117.3	115.6	119.8	126.4	130.6	129.8	124.8
110°	187.1	167.2	153.0	147.2	143.9	138.9	139.7	142.2	147.2	153.9	158.0



TEST NUMBER: P303235

CATALOG NUMBER: CTW-F-7525-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	235.4	210.4	188.8	181.3	173.0	166.3	161.4	162.2	164.7	169.7	175.5
115°	286.1	257.8	230.4	220.4	210.4	195.5	187.1	184.6	185.5	187.1	190.5
117.5°	337.7	306.9	276.1	263.7	252.0	234.5	218.7	210.4	207.1	206.3	209.6
120°	390.1	356.0	326.0	311.9	297.8	277.8	257.0	241.2	234.5	229.6	229.6
122.5°	441.6	408.4	375.1	361.0	345.2	321.9	299.4	279.5	266.2	256.2	252.0
125°	490.7	459.9	425.0	411.7	395.1	369.3	344.3	323.5	306.1	290.3	280.3
127.5°	539.0	509.0	474.1	460.8	445.8	418.4	395.1	370.1	351.8	331.9	316.9
130°	586.4	556.4	523.2	509.9	495.7	469.1	441.6	417.5	399.2	379.3	362.6
132.5°	631.3	601.3	571.4	556.4	542.3	517.3	490.7	466.6	446.6	427.5	411.7
135°	675.4	643.8	615.5	601.3	587.2	563.9	539.0	516.5	494.9	474.9	459.1
137.5°	715.3	686.2	658.7	644.6	631.3	608.8	587.2	566.4	544.8	524.0	506.5
140°	753.5	725.3	699.5	687.0	673.7	651.2	632.1	613.8	593.9	569.7	554.8
142.5°	790.1	761.9	739.4	726.9	712.8	693.7	674.5	657.9	641.3	620.5	603.0
145°	824.2	796.0	775.2	764.4	751.1	732.8	714.5	699.5	686.2	665.4	649.6
147.5°	856.7	830.9	810.9	799.3	788.5	771.0	753.5	739.4	730.3	709.5	694.5
150°	888.3	861.7	844.2	833.4	822.6	806.8	791.0	777.7	769.4	751.9	737.7
152.5°	916.6	892.4	876.6	866.7	856.7	840.9	825.9	813.4	807.6	789.3	781.0
155°	944.0	920.7	906.6	898.3	888.3	870.8	859.2	846.7	844.2	828.4	816.8
157.5°	968.1	947.3	933.2	924.9	916.6	901.6	890.0	880.0	877.5	863.3	852.5
160°	988.9	970.6	958.2	951.5	944.0	929.0	918.2	909.9	906.6	896.6	886.6
162.5°	1009.7	992.3	981.4	974.8	969.0	954.8	945.7	937.4	934.9	928.2	918.2
165°	1027.2	1011.4	1001.4	996.4	991.4	978.9	970.6	963.1	962.3	957.3	946.5
167.5°	1043.0	1028.9	1020.5	1016.4	1011.4	1000.6	993.9	987.3	986.4	985.6	974.0
170°	1055.5	1043.8	1036.3	1033.0	1029.7	1019.7	1013.9	1008.9	1008.9	1009.7	999.7
172.5°	1066.3	1056.3	1051.3	1047.1	1045.5	1036.3	1032.2	1028.0	1029.7	1031.3	1022.2
175°	1074.6	1066.3	1061.3	1059.6	1058.0	1050.5	1048.0	1046.3	1048.8	1052.1	1043.0
177.5°	1082.1	1074.6	1072.1	1070.4	1069.6	1063.8	1063.0	1061.3	1064.6	1069.6	1062.1
180°	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6



TEST NUMBER: P303235

CATALOG NUMBER: CTW-F-7525-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	416.7	416.7	416.7	415.9	415.0	414.2	412.5	412.5
5°	415.0	415.0	414.2	414.2	413.4	413.4	412.5	413.4
7.5°	411.7	411.7	410.9	410.9	410.9	410.9	410.0	410.9
10°	407.5	407.5	405.9	405.9	405.9	405.9	405.9	405.9
12.5°	401.7	400.9	400.9	400.1	400.1	400.9	400.9	400.9
15°	395.1	395.1	394.2	393.4	394.2	394.2	394.2	394.2
17.5°	386.8	385.9	385.9	385.1	385.9	385.9	385.1	385.9
20°	376.8	375.9	375.9	375.1	375.9	375.1	375.1	375.1
22.5°	366.0	365.1	365.1	364.3	365.1	365.1	365.1	365.1
25°	355.1	354.3	353.5	353.5	353.5	353.5	353.5	353.5
27.5°	344.3	343.5	342.7	342.7	342.7	341.8	341.8	341.0
30°	331.9	331.9	330.2	330.2	330.2	329.4	329.4	328.5
32.5°	320.2	319.4	318.6	317.7	317.7	316.9	316.1	316.1
35°	306.9	306.1	305.2	304.4	304.4	303.6	302.8	303.6
37.5°	294.4	293.6	291.9	291.9	291.9	290.3	290.3	289.4
40°	280.3	278.6	278.6	278.6	277.8	277.0	277.0	276.1
42.5°	266.2	265.3	264.5	264.5	264.5	262.8	262.8	262.8
45°	252.8	252.0	252.0	250.4	250.4	248.7	248.7	249.5
47.5°	237.9	237.9	237.9	237.0	236.2	235.4	235.4	235.4
50°	223.7	223.7	222.1	222.1	222.1	221.2	220.4	220.4
52.5°	207.9	207.1	207.1	206.3	205.4	205.4	205.4	205.4
55°	193.0	193.0	193.0	192.1	191.3	191.3	190.5	191.3
57.5°	178.8	178.8	178.8	178.0	177.2	177.2	176.3	177.2
60°	164.7	163.9	163.9	163.0	162.2	163.0	162.2	162.2
62.5°	149.7	148.9	149.7	148.9	148.0	147.2	147.2	148.0
65°	135.6	134.7	134.7	133.9	133.1	133.1	133.1	133.1
67.5°	120.6	119.8	119.8	118.9	118.9	118.9	118.9	118.9
70°	105.6	104.8	104.8	104.0	104.0	104.0	104.0	104.0
72.5°	91.5	90.7	90.7	89.8	89.8	89.8	89.8	89.8
75°	76.5	75.7	75.7	75.7	75.7	74.9	74.9	74.9
77.5°	62.4	61.5	61.5	61.5	60.7	60.7	60.7	60.7
80°	48.2	47.4	47.4	47.4	46.6	46.6	46.6	45.7
82.5°	33.3	32.4	32.4	33.3	31.6	32.4	31.6	31.6
85°	19.1	18.3	18.3	18.3	18.3	18.3	18.3	17.5
87.5°	7.5	6.7	6.7	7.5	6.7	7.5	7.5	7.5
90°	6.7	6.7	7.5	7.5	8.3	8.3	9.1	9.1
92.5°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
95°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	39.9
97.5°	68.2	67.4	67.4	67.4	67.4	66.5	65.7	65.7
100°	81.5	84.0	84.8	85.7	86.5	87.3	88.2	87.3
102.5°	93.2	94.8	95.6	96.5	97.3	98.1	99.0	99.0
105°	104.0	104.8	105.6	107.3	109.8	112.3	113.1	113.1
107.5°	124.8	124.8	125.6	126.4	125.6	126.4	126.4	126.4
110°	158.0	153.0	152.2	150.5	148.0	148.9	148.9	148.9



TEST NUMBER: P303235

CATALOG NUMBER: CTW-F-7525-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	179.7	183.0	184.6	184.6	184.6	185.5	183.0	182.1
115°	196.3	199.6	201.3	202.1	204.6	207.1	207.9	207.9
117.5°	212.9	217.1	218.7	219.6	222.1	224.6	225.4	225.4
120°	231.2	232.9	234.5	234.5	237.0	238.7	239.5	239.5
122.5°	249.5	249.5	251.2	251.2	252.8	252.8	254.5	253.7
125°	273.6	270.3	271.1	268.6	269.5	269.5	269.5	268.6
127.5°	306.1	298.6	297.8	294.4	291.9	291.1	289.4	288.6
130°	346.8	335.2	331.9	327.7	323.5	321.0	316.1	316.9
132.5°	394.2	379.3	375.1	370.1	364.3	358.5	355.1	355.1
135°	443.3	428.3	423.4	417.5	410.9	404.2	400.9	400.9
137.5°	490.7	477.4	472.4	467.4	459.9	455.0	448.3	450.0
140°	540.6	525.7	520.7	515.7	510.7	501.5	499.0	501.5
142.5°	588.9	573.1	568.9	563.9	558.9	552.3	547.3	549.8
145°	636.3	620.5	616.3	611.3	607.2	598.0	597.2	597.2
147.5°	682.9	668.7	664.6	659.6	655.4	648.8	645.4	646.3
150°	726.9	714.5	710.3	705.3	701.1	692.8	690.3	692.8
152.5°	769.4	757.7	753.5	748.6	745.2	737.7	736.1	738.6
155°	808.4	796.8	793.5	788.5	786.0	780.2	780.2	781.0
157.5°	845.0	835.9	831.7	828.4	825.9	819.3	819.3	821.8
160°	880.8	872.5	870.0	865.0	862.5	857.5	856.7	855.9
162.5°	914.9	907.4	904.1	900.8	898.3	894.1	892.4	892.4
165°	942.4	937.4	934.0	932.4	930.7	927.4	925.7	925.7
167.5°	972.3	965.6	963.1	959.8	959.0	956.5	955.7	958.2
170°	996.4	993.1	989.8	987.3	985.6	983.9	983.1	985.6
172.5°	1020.5	1017.2	1015.5	1013.0	1012.2	1011.4	1011.4	1013.9
175°	1043.0	1040.5	1038.0	1035.5	1035.5	1033.8	1034.7	1036.3
177.5°	1063.0	1061.3	1060.5	1058.0	1056.3	1054.6	1053.8	1053.8
180°	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6	1079.6

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