

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: P303099

Luminaire Tested: **CTW-F-2575-50L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-50L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

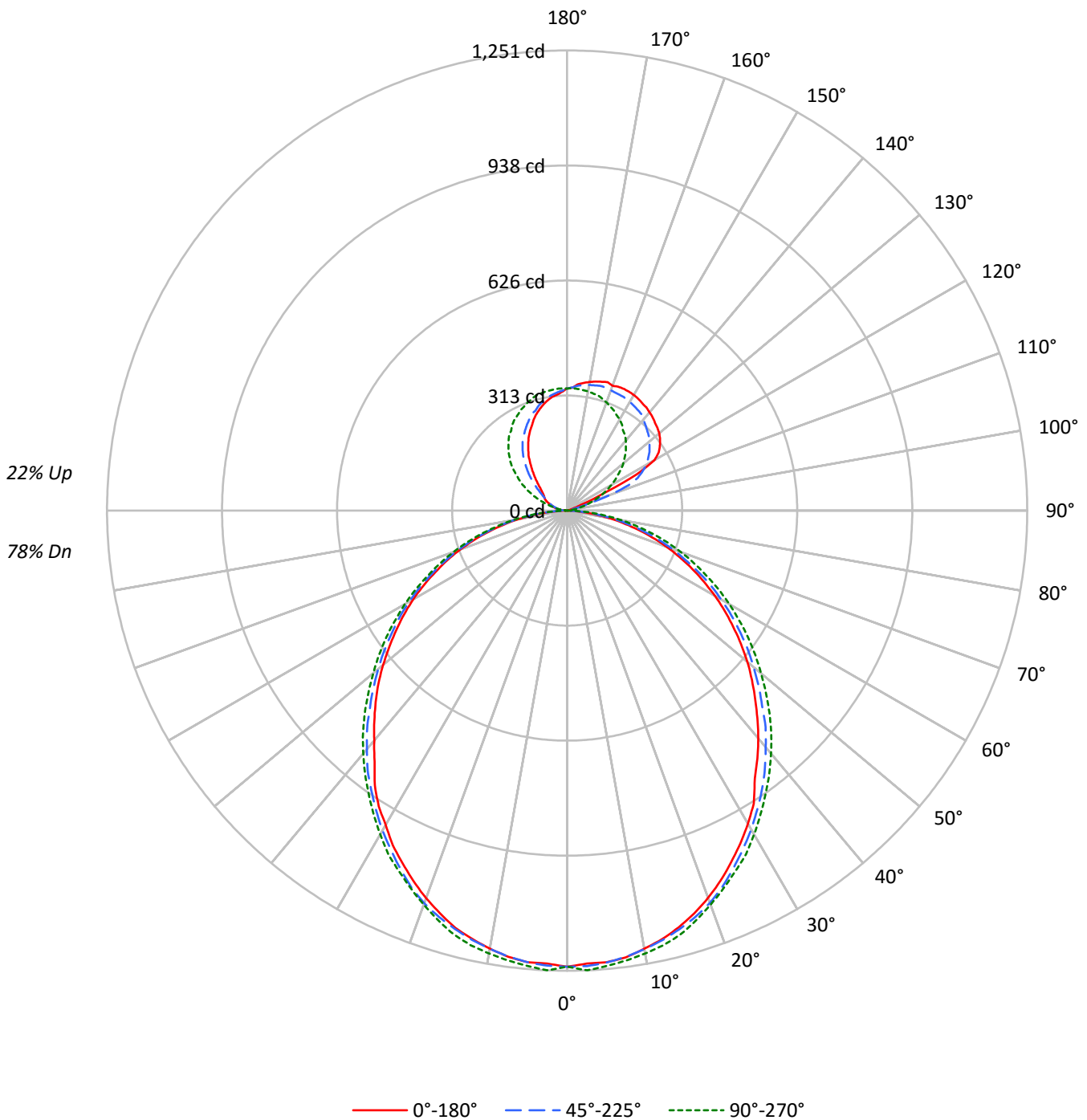
Lumens per Lamp: N/A
Luminaire Lumens: 4237.0 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 44.1
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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	104	99	95	91	99	95	91	88	87	84	81	79	77	75	72	70	69	65
2	94	87	80	74	90	83	77	72	76	71	67	69	66	62	63	60	58	54
3	86	76	68	62	82	73	66	60	67	61	56	61	56	53	56	52	49	46
4	79	67	59	52	75	65	57	51	59	53	48	54	49	45	50	46	42	39
5	72	60	52	45	69	58	50	44	53	47	41	49	43	39	45	40	37	34
6	67	54	45	39	64	52	44	38	48	41	36	44	39	34	41	36	32	30
7	62	49	41	35	59	47	39	34	44	37	32	40	35	30	37	32	29	26
8	58	45	36	31	55	43	35	30	40	33	29	37	31	27	34	29	26	24
9	54	41	33	28	51	39	32	27	37	30	26	34	29	25	32	27	23	21
10	50	38	30	25	48	36	29	24	34	28	23	32	26	22	29	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	26697	26697	26697
5°	26637	26853	26637
10°	26435	26726	26435
15°	26136	26582	26174
20°	25665	26124	25686
25°	25050	25703	25131
30°	24438	25266	24520
35°	23366	24722	23957
40°	22718	24238	22929
45°	22006	23677	22411
50°	21421	23035	21867
55°	20695	22508	21289
60°	19982	21954	20804
65°	19107	21267	20126
70°	18058	20626	19424
75°	16469	19788	18332
80°	13922	18460	16600
85°	8225	15611	12523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	2.8
10°-20°	331.3	7.8
20°-30°	490.5	11.6
30°-40°	574.9	13.6
40°-50°	580.6	13.7
50°-60°	517.4	12.2
60°-70°	396.6	9.4
70°-80°	234.4	5.5
80°-90°	62.8	1.5
90°-100°	10.0	0.2
100°-110°	40.5	1.0
110°-120°	112.3	2.6
120°-130°	163.1	3.8
130°-140°	176.3	4.2
140°-150°	168.5	4.0
150°-160°	138.4	3.3
160°-170°	90.9	2.1
170°-180°	31.5	0.7
0°-30°	938.8	22.2
0°-40°	1513.7	35.7
0°-60°	2611.8	61.6
0°-90°	3305.4	78.0
90°-120°	162.8	3.8
90°-150°	670.7	15.8
90°-180°	932.0	22.0
0°-180°	4237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1240	1240	1240	1240	1240	
5°	1233	1234	1243	1233	1233	117
15°	1173	1179	1193	1178	1174	330
25°	1055	1071	1082	1074	1058	486
35°	889	924	941	928	912	560
45°	723	749	778	758	736	558
55°	551	573	600	583	567	493
65°	375	393	418	405	395	371
75°	198	213	238	227	220	210
85°	33	45	63	57	51	44
90°	1	1	1	2	3	1
95°	2	2	8	13	13	2
105°	9	23	45	34	38	11
115°	102	212	106	57	63	123
125°	308	273	168	93	80	274
135°	338	308	225	151	121	262
145°	356	334	265	211	183	224
155°	365	345	300	258	239	168
165°	363	351	324	296	286	103
175°	345	341	332	322	316	33
180°	332	332	332	332	332	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1232.6	1231.0	1234.3	1236.8	1236.8	1238.4	1240.1	1242.6	1240.9	1245.1	1239.3
5°	1232.6	1230.1	1231.8	1231.8	1231.0	1232.6	1233.5	1236.8	1235.1	1239.3	1233.5
7.5°	1225.1	1223.5	1223.5	1224.3	1221.8	1223.5	1224.3	1226.8	1224.3	1228.5	1223.5
10°	1209.3	1208.5	1209.3	1210.2	1207.7	1209.3	1209.3	1211.0	1211.0	1214.3	1211.0
12.5°	1193.5	1191.0	1192.7	1191.9	1189.4	1191.0	1191.9	1195.2	1195.2	1197.7	1196.0
15°	1172.7	1171.9	1173.6	1173.6	1171.1	1171.9	1172.7	1175.2	1176.1	1178.6	1178.6
17.5°	1148.6	1147.0	1148.6	1148.6	1147.0	1147.8	1149.5	1152.8	1153.6	1156.9	1158.6
20°	1120.3	1117.8	1118.7	1118.7	1118.7	1119.5	1121.2	1125.3	1128.7	1132.8	1135.3
22.5°	1089.6	1087.1	1086.2	1086.2	1087.1	1087.9	1087.9	1095.4	1099.5	1102.0	1105.4
25°	1054.6	1052.1	1052.1	1054.6	1053.8	1055.5	1058.0	1064.6	1067.9	1065.4	1071.3
27.5°	1019.7	1018.0	1016.4	1018.0	1019.7	1021.4	1025.5	1030.5	1030.5	1032.2	1036.3
30°	983.1	978.9	978.9	981.4	983.9	987.3	990.6	993.1	992.3	994.7	1000.6
32.5°	944.0	942.4	940.7	943.2	947.3	949.8	951.5	951.5	952.3	956.5	962.3
35°	889.1	888.3	891.6	899.1	905.8	909.9	909.1	909.1	911.6	916.6	924.1
37.5°	849.2	848.4	848.4	852.5	854.2	856.7	858.3	865.8	871.7	879.1	883.3
40°	808.4	807.6	806.8	811.8	813.4	813.4	815.1	818.4	825.9	839.2	840.0
42.5°	765.2	766.0	765.2	769.4	771.0	772.7	773.5	776.0	781.0	789.3	798.5
45°	722.8	723.6	722.8	726.9	728.6	729.4	731.1	733.6	737.7	745.2	749.4
47.5°	681.2	681.2	679.5	684.5	686.2	687.8	688.7	690.3	697.0	702.0	706.1
50°	639.6	637.9	636.3	641.3	642.9	644.6	646.3	648.7	650.4	658.7	661.2
52.5°	595.5	594.7	593.9	598.0	599.7	600.5	603.0	605.5	608.8	616.3	618.8
55°	551.4	551.4	549.8	553.9	554.8	557.3	558.9	562.2	563.9	571.4	573.1
57.5°	508.2	508.2	505.7	509.9	510.7	513.2	514.8	517.3	519.8	524.8	529.0
60°	464.1	461.6	461.6	464.9	466.6	469.1	470.8	473.3	474.9	479.9	483.2
62.5°	419.2	420.0	420.0	420.9	425.0	424.2	424.2	429.2	430.8	434.2	440.0
65°	375.1	374.3	374.3	376.8	378.4	379.3	379.3	385.1	386.8	389.2	392.6
67.5°	331.0	331.9	331.9	331.9	336.0	335.2	335.2	340.2	341.8	344.3	346.0
70°	286.9	287.8	288.6	287.8	291.9	290.3	292.8	295.3	296.9	300.3	302.7
72.5°	242.9	243.7	244.5	244.5	247.9	246.2	248.7	251.2	255.3	256.2	257.8
75°	198.0	198.8	199.6	199.6	202.1	200.4	202.9	205.4	207.1	210.4	212.9
77.5°	154.7	155.5	157.2	157.2	158.9	157.2	159.7	163.0	164.7	166.3	169.7
80°	112.3	113.1	114.8	114.8	117.3	115.6	117.3	119.8	122.3	124.8	126.4
82.5°	71.5	72.4	73.2	74.0	76.5	76.5	76.5	79.0	82.3	82.3	84.8
85°	33.3	34.1	34.9	34.9	37.4	37.4	37.4	39.9	41.6	43.2	44.9
87.5°	4.2	5.0	5.0	5.0	5.8	5.8	5.8	6.7	7.5	8.3	10.0
90°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
92.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
95°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
97.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.2	4.2	4.2	5.0
100°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.8	5.8	6.7	7.5
102.5°	6.7	6.7	6.7	7.5	7.5	7.5	7.5	8.3	9.1	10.0	12.5
105°	9.1	9.1	9.1	10.0	10.0	10.8	10.8	11.6	14.1	16.6	23.3
107.5°	13.3	13.3	13.3	14.1	15.0	15.8	16.6	20.0	25.0	34.9	54.1
110°	20.0	20.0	20.8	22.5	25.8	28.3	30.8	42.4	59.9	87.3	120.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	39.9	40.8	44.1	49.1	61.5	67.4	77.4	107.3	138.1	167.2	181.3
115°	102.3	104.8	108.1	124.8	149.7	158.9	172.2	200.4	212.1	215.4	212.1
117.5°	212.9	216.2	217.1	232.1	237.9	240.4	243.7	247.0	242.9	237.9	231.2
120°	274.5	276.1	273.6	272.0	273.6	271.1	269.5	265.3	258.7	254.5	247.9
122.5°	295.3	296.1	292.8	290.3	288.6	287.8	285.3	278.6	271.1	267.8	260.3
125°	307.7	307.7	306.1	301.9	300.3	299.4	296.9	291.9	284.5	278.6	272.8
127.5°	318.6	318.6	315.2	311.9	310.2	309.4	304.4	300.3	296.1	288.6	282.0
130°	326.9	326.0	323.5	320.2	319.4	316.9	315.2	309.4	305.2	300.3	291.9
132.5°	332.7	333.5	330.2	330.2	328.5	323.5	322.7	317.7	312.7	306.9	301.1
135°	337.7	340.2	337.7	336.9	334.4	330.2	327.7	324.4	319.4	313.6	307.7
137.5°	344.3	342.7	343.5	341.8	340.2	336.9	334.4	332.7	326.9	321.9	315.2
140°	348.5	348.5	348.5	346.8	343.5	342.7	342.7	336.9	336.0	330.2	322.7
142.5°	353.5	352.7	351.8	349.3	350.2	347.7	344.3	344.3	339.3	335.2	331.0
145°	356.0	356.8	352.7	355.1	351.8	351.0	347.7	347.7	344.3	337.7	334.4
147.5°	360.1	359.3	356.8	357.6	355.1	354.3	351.8	350.2	345.2	341.8	337.7
150°	362.6	359.3	361.0	361.0	355.1	355.1	354.3	353.5	349.3	346.0	341.0
152.5°	364.3	362.6	361.8	362.6	357.6	357.6	356.8	353.5	351.8	347.7	344.3
155°	365.1	362.6	362.6	362.6	360.1	358.5	356.8	354.3	352.7	348.5	345.2
157.5°	364.3	364.3	361.8	362.6	361.8	359.3	355.1	355.1	355.1	351.0	346.0
160°	361.0	362.6	362.6	362.6	361.8	361.0	356.0	356.8	354.3	352.7	347.7
162.5°	366.0	362.6	362.6	361.8	361.0	360.1	358.5	358.5	356.0	352.7	350.2
165°	362.6	362.6	362.6	358.5	360.1	358.5	356.8	356.8	355.1	351.0	351.0
167.5°	359.3	358.5	357.6	356.0	356.8	354.3	353.5	354.3	351.8	351.0	348.5
170°	355.1	355.1	353.5	353.5	352.7	351.8	352.7	352.7	350.2	351.0	346.8
172.5°	350.2	351.8	351.0	350.2	348.5	348.5	347.7	346.8	346.0	347.7	344.3
175°	345.2	345.2	345.2	345.2	345.2	345.2	344.3	346.0	343.5	343.5	341.0
177.5°	334.4	337.7	336.0	340.2	341.0	340.2	341.0	340.2	337.7	340.2	335.2
180°	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1235.1	1236.0	1236.0	1236.8	1237.6	1236.8	1236.8	1242.6	1247.6	1250.9	1247.6
5°	1228.5	1228.5	1228.5	1229.3	1230.1	1229.3	1229.3	1235.1	1240.1	1242.6	1240.1
7.5°	1218.5	1218.5	1218.5	1219.3	1220.1	1220.1	1220.1	1226.0	1231.0	1233.5	1230.1
10°	1205.2	1206.0	1206.0	1206.8	1208.5	1208.5	1209.3	1214.3	1219.3	1222.6	1219.3
12.5°	1189.4	1191.0	1191.9	1193.5	1194.4	1195.2	1196.0	1201.9	1206.0	1210.2	1206.8
15°	1172.7	1174.4	1176.1	1177.7	1178.6	1179.4	1179.4	1185.2	1189.4	1192.7	1189.4
17.5°	1152.8	1154.4	1153.6	1154.4	1154.4	1154.4	1154.4	1158.6	1163.6	1167.7	1163.6
20°	1125.3	1126.2	1125.3	1125.3	1126.2	1127.0	1126.2	1132.0	1136.1	1140.3	1136.1
22.5°	1095.4	1094.6	1094.6	1096.2	1096.2	1098.7	1098.7	1103.7	1107.9	1111.2	1108.7
25°	1062.1	1063.0	1063.8	1064.6	1066.3	1067.9	1069.6	1074.6	1079.6	1082.1	1079.6
27.5°	1029.7	1029.7	1030.5	1033.8	1034.7	1038.0	1039.7	1044.7	1048.8	1053.0	1049.6
30°	996.4	996.4	999.7	1001.4	1002.2	1003.9	1003.1	1008.9	1012.2	1016.4	1015.5
32.5°	962.3	962.3	962.3	963.1	964.0	966.5	965.6	972.3	977.3	978.9	978.1
35°	924.9	920.7	922.4	924.9	925.7	928.2	929.9	933.2	939.0	940.7	939.9
37.5°	885.0	882.5	884.1	886.6	887.5	889.1	890.8	894.9	898.3	902.4	901.6
40°	845.9	843.4	844.2	847.5	849.2	850.9	851.7	855.0	858.3	862.5	861.7
42.5°	804.3	803.5	803.5	806.8	808.4	808.4	810.9	813.4	815.9	821.7	820.1
45°	761.0	761.0	761.0	764.4	766.0	766.0	769.4	771.0	775.2	777.7	776.8
47.5°	711.1	719.4	720.3	722.8	721.9	722.8	726.9	726.9	731.1	732.8	732.8
50°	665.4	672.0	676.2	678.7	679.5	679.5	684.5	684.5	686.2	687.8	690.3
52.5°	621.3	623.8	632.9	635.4	638.8	635.4	640.4	640.4	642.9	644.6	645.4
55°	576.4	578.9	583.0	588.9	590.5	591.4	595.5	596.4	598.0	599.7	599.7
57.5°	532.3	534.0	538.1	545.6	546.4	549.8	551.4	551.4	553.1	553.9	555.6
60°	488.2	489.9	493.2	495.7	500.7	502.4	506.5	507.4	509.0	509.9	509.9
62.5°	443.3	445.0	448.3	452.5	455.0	458.3	459.1	459.9	461.6	464.1	464.1
65°	398.4	400.1	403.4	407.5	407.5	408.4	414.2	415.0	416.7	417.5	420.0
67.5°	351.8	354.3	358.5	361.8	361.8	365.1	369.3	370.1	371.8	373.4	374.3
70°	306.1	308.6	312.7	316.9	318.6	319.4	321.9	324.4	326.9	327.7	328.5
72.5°	261.2	263.7	267.0	272.0	272.8	274.5	276.1	278.6	282.0	283.6	283.6
75°	215.4	217.9	222.1	227.1	228.7	227.9	231.2	232.9	236.2	237.9	237.9
77.5°	171.3	173.0	177.2	180.5	182.1	183.8	183.8	185.5	188.8	191.3	190.5
80°	128.9	130.6	133.9	137.2	138.1	140.6	140.6	142.2	144.7	148.9	146.4
82.5°	89.8	89.0	92.3	95.6	96.5	99.0	100.6	100.6	102.3	105.6	104.0
85°	49.1	49.9	52.4	55.7	57.4	58.2	60.7	60.7	62.4	63.2	65.7
87.5°	13.3	13.3	16.6	19.1	20.8	21.6	24.1	24.1	25.8	28.3	26.6
90°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
92.5°	1.7	1.7	1.7	1.7	2.5	2.5	3.3	4.2	4.2	3.3	4.2
95°	3.3	3.3	4.2	5.0	5.8	6.7	9.1	10.8	9.1	7.5	7.5
97.5°	5.0	5.8	8.3	11.6	13.3	16.6	20.8	19.1	16.6	14.1	13.3
100°	9.1	11.6	15.8	25.0	29.1	33.3	35.8	31.6	26.6	21.6	20.0
102.5°	15.8	23.3	37.4	50.7	54.1	55.7	53.2	47.4	39.9	32.4	28.3
105°	34.1	52.4	74.0	81.5	80.7	79.8	72.4	63.2	54.1	44.9	38.3
107.5°	82.3	104.0	112.3	110.6	106.5	102.3	92.3	81.5	69.9	58.2	50.7
110°	142.2	144.7	142.2	133.9	127.3	122.3	111.5	100.6	86.5	74.0	64.9



TEST NUMBER: P303099

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	181.3	173.0	163.9	153.9	147.2	141.4	128.9	116.4	103.1	90.7	80.7
115°	203.8	195.5	183.8	170.5	164.7	159.7	146.4	132.2	118.9	106.5	96.5
117.5°	222.1	211.3	200.4	188.8	183.0	176.3	163.9	150.5	135.6	122.3	113.1
120°	238.7	226.2	215.4	202.9	199.6	193.0	180.5	165.5	150.5	138.9	128.1
122.5°	251.2	240.4	228.7	218.7	212.9	207.9	193.8	180.5	166.3	153.9	143.9
125°	262.8	252.0	241.2	230.4	226.2	220.4	206.3	194.6	181.3	168.0	158.9
127.5°	274.5	262.0	253.7	246.2	238.7	231.2	218.7	207.9	195.5	184.6	173.8
130°	284.5	274.5	264.5	254.5	248.7	243.7	232.1	220.4	210.4	199.6	189.6
132.5°	291.1	283.6	273.6	266.2	257.8	253.7	242.0	232.1	221.2	212.1	202.1
135°	299.4	292.8	282.0	273.6	270.3	264.5	252.0	242.9	233.7	225.4	214.6
137.5°	307.7	300.3	291.9	282.8	277.8	273.6	262.0	255.3	245.4	236.2	227.9
140°	316.1	306.1	300.3	290.3	285.3	282.8	272.8	262.8	256.2	247.9	239.5
142.5°	321.0	312.7	305.2	297.8	294.4	290.3	281.1	270.3	265.3	258.7	249.5
145°	326.0	319.4	310.2	302.7	300.3	296.9	288.6	282.0	275.3	265.3	259.5
147.5°	331.0	323.5	317.7	310.2	305.2	304.4	296.1	289.4	282.0	277.0	268.6
150°	333.5	326.0	321.9	314.4	310.2	310.2	303.6	295.3	291.9	286.1	277.8
152.5°	336.9	331.9	326.9	321.9	316.9	316.1	310.2	304.4	297.8	291.9	286.9
155°	340.2	336.0	331.9	325.2	321.9	321.0	315.2	310.2	305.2	300.3	294.4
157.5°	341.8	335.2	332.7	328.5	326.0	323.5	317.7	313.6	311.9	306.1	299.4
160°	342.7	337.7	334.4	330.2	331.0	326.9	322.7	321.0	316.9	312.7	307.7
162.5°	343.5	341.8	336.9	333.5	332.7	329.4	326.9	324.4	321.9	318.6	314.4
165°	345.2	343.5	340.2	333.5	334.4	331.9	331.0	326.0	326.9	324.4	316.9
167.5°	344.3	341.8	338.5	338.5	334.4	334.4	331.9	331.0	328.5	326.0	321.0
170°	343.5	341.8	337.7	336.9	337.7	335.2	332.7	332.7	331.0	329.4	327.7
172.5°	341.0	339.3	336.9	339.3	336.9	335.2	333.5	330.2	333.5	330.2	326.9
175°	337.7	337.7	335.2	334.4	335.2	333.5	334.4	333.5	331.9	331.9	331.0
177.5°	335.2	336.0	332.7	333.5	334.4	332.7	334.4	334.4	335.2	332.7	334.4
180°	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9



TEST NUMBER: P303099

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1244.3	1239.3	1237.6	1237.6	1236.8	1233.5	1232.6	1232.6	1238.4	1245.9	1237.6
5°	1236.0	1231.0	1229.3	1230.1	1229.3	1226.0	1226.0	1226.0	1232.6	1240.1	1231.8
7.5°	1226.8	1221.8	1220.1	1220.1	1219.3	1216.0	1216.0	1216.0	1222.6	1228.5	1221.8
10°	1215.2	1210.2	1208.5	1208.5	1206.8	1203.5	1202.7	1203.5	1210.2	1214.3	1207.7
12.5°	1202.7	1196.9	1195.2	1194.4	1192.7	1189.4	1187.7	1187.7	1195.2	1198.5	1191.0
15°	1186.0	1181.1	1178.6	1179.4	1177.7	1173.6	1172.7	1171.1	1177.7	1178.6	1173.6
17.5°	1161.1	1156.1	1155.3	1156.1	1154.4	1151.1	1151.9	1151.1	1158.6	1156.1	1151.1
20°	1132.8	1127.8	1127.0	1127.8	1125.3	1124.5	1126.2	1127.0	1136.1	1132.0	1126.2
22.5°	1104.5	1098.7	1098.7	1097.9	1095.4	1093.7	1094.6	1096.2	1107.9	1103.7	1099.5
25°	1074.6	1069.6	1068.8	1067.9	1065.4	1063.0	1062.1	1062.1	1073.8	1068.8	1069.6
27.5°	1047.1	1039.7	1037.2	1036.3	1033.8	1030.5	1029.7	1029.7	1038.8	1033.0	1036.3
30°	1011.4	1005.6	1004.7	1004.7	1002.2	998.9	996.4	997.2	1003.9	994.7	996.4
32.5°	974.8	968.1	969.0	967.3	964.8	964.8	963.1	963.1	966.5	956.5	958.2
35°	936.5	931.5	930.7	929.0	925.7	924.1	924.9	928.2	928.2	918.2	918.2
37.5°	897.4	891.6	892.4	890.0	887.5	885.8	885.8	890.0	890.8	880.8	879.1
40°	858.3	853.4	851.7	851.7	849.2	847.5	846.7	851.7	846.7	844.2	837.6
42.5°	816.8	811.8	810.1	810.1	809.3	808.4	807.6	810.9	805.1	798.5	791.0
45°	774.3	772.7	770.2	767.7	766.9	766.9	767.7	767.7	758.5	751.1	749.4
47.5°	730.3	730.3	726.9	726.1	726.1	725.3	725.3	721.1	714.5	709.5	707.0
50°	687.8	686.2	682.9	683.7	683.7	682.0	680.4	672.9	670.4	666.2	663.7
52.5°	644.6	645.4	639.6	641.3	640.4	637.1	632.9	629.6	627.1	623.0	620.5
55°	598.8	597.2	595.5	598.8	597.2	590.5	587.2	585.5	583.0	578.9	577.2
57.5°	555.6	556.4	552.3	553.1	550.6	544.8	544.8	542.3	540.6	534.8	533.1
60°	509.9	506.5	508.2	509.9	502.4	499.9	500.7	498.2	496.5	490.7	489.1
62.5°	464.1	464.1	464.1	459.9	458.3	455.8	456.6	454.1	450.8	446.6	445.8
65°	420.0	418.4	415.0	415.0	413.4	411.7	412.5	410.9	405.1	402.6	401.7
67.5°	375.1	371.8	370.1	371.0	368.5	366.8	367.6	366.0	361.0	357.6	357.6
70°	331.0	324.4	325.2	325.2	323.5	321.0	321.9	318.6	316.1	316.1	313.6
72.5°	284.5	282.0	280.3	279.5	278.6	276.1	276.1	273.6	272.8	272.0	270.3
75°	238.7	235.4	235.4	235.4	233.7	232.1	232.1	228.7	227.1	228.7	226.2
77.5°	191.3	189.6	189.6	189.6	187.1	186.3	187.1	183.8	184.6	183.0	181.3
80°	148.0	146.4	146.4	145.6	146.4	143.1	143.9	141.4	141.4	140.6	138.9
82.5°	106.5	104.8	104.0	103.1	102.3	101.5	102.3	101.5	99.8	98.1	96.5
85°	66.5	64.0	64.0	64.0	64.0	61.5	61.5	59.9	57.4	56.6	54.9
87.5°	29.1	27.4	25.8	25.0	25.8	23.3	24.1	23.3	21.6	20.8	19.1
90°	0.8	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.3	3.3
92.5°	5.0	6.7	6.7	6.7	6.7	7.5	7.5	7.5	6.7	6.7	7.5
95°	9.1	10.8	12.5	13.3	13.3	14.1	14.1	13.3	13.3	13.3	13.3
97.5°	13.3	15.0	15.8	16.6	17.5	19.1	20.0	20.8	20.8	20.8	20.8
100°	19.1	19.1	20.8	22.5	22.5	22.5	24.1	25.0	26.6	27.4	27.4
102.5°	25.8	25.0	25.0	25.8	27.4	29.1	28.3	28.3	29.9	30.8	32.4
105°	34.9	32.4	31.6	30.8	31.6	33.3	34.9	34.9	34.1	34.1	34.9
107.5°	45.7	41.6	39.1	38.3	37.4	38.3	39.1	40.8	41.6	41.6	40.8
110°	58.2	51.6	48.2	46.6	44.9	44.1	44.1	45.7	46.6	48.2	49.1



TEST NUMBER: P303099

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	72.4	64.0	59.1	56.6	54.1	52.4	50.7	50.7	51.6	53.2	54.9
115°	87.3	78.2	71.5	68.2	64.9	60.7	59.1	57.4	56.6	58.2	59.1
117.5°	103.1	94.0	84.8	80.7	77.4	72.4	67.4	65.7	64.0	62.4	63.2
120°	118.1	109.0	99.0	95.6	91.5	84.8	78.2	74.0	72.4	70.7	69.0
122.5°	134.7	124.8	113.9	109.8	106.5	98.1	91.5	85.7	81.5	79.0	76.5
125°	149.7	139.7	129.7	125.6	120.6	113.1	105.6	99.0	93.2	89.0	84.8
127.5°	163.9	154.7	144.7	140.6	137.2	127.3	120.6	113.1	107.3	102.3	97.3
130°	181.3	167.2	159.7	155.5	151.4	143.9	134.7	128.1	122.3	116.4	110.6
132.5°	193.8	184.6	172.2	169.7	165.5	157.2	150.5	143.1	137.2	130.6	124.8
135°	205.4	197.1	189.6	183.8	181.3	171.3	164.7	158.0	151.4	146.4	140.6
137.5°	218.7	209.6	200.4	198.8	193.8	187.1	181.3	173.0	167.2	160.5	155.5
140°	231.2	222.1	215.4	208.8	206.3	201.3	195.5	189.6	183.0	176.3	170.5
142.5°	242.9	233.7	226.2	222.9	218.7	212.9	207.1	202.9	198.0	193.0	187.1
145°	252.8	243.7	237.9	234.5	231.2	224.6	219.6	216.2	211.3	205.4	200.4
147.5°	261.2	254.5	247.9	246.2	239.5	235.4	232.1	227.1	225.4	218.7	215.4
150°	270.3	264.5	259.5	255.3	252.8	246.2	242.9	240.4	236.2	232.1	227.9
152.5°	278.6	273.6	267.8	266.2	262.8	257.0	252.8	248.7	247.0	242.9	238.7
155°	286.9	282.0	277.0	274.5	272.8	268.6	262.0	259.5	257.8	255.3	252.0
157.5°	294.4	288.6	284.5	283.6	279.5	276.1	273.6	269.5	268.6	263.7	262.0
160°	301.1	297.8	291.9	289.4	290.3	285.3	281.1	277.0	280.3	273.6	272.8
162.5°	307.7	303.6	301.9	298.6	297.8	295.3	291.9	287.8	285.3	286.9	281.1
165°	315.2	311.1	307.7	306.1	304.4	298.6	297.8	295.3	296.1	295.3	293.6
167.5°	318.6	315.2	314.4	311.1	311.1	309.4	306.1	302.7	303.6	303.6	299.4
170°	322.7	319.4	317.7	316.1	316.1	311.9	311.9	309.4	312.7	311.1	307.7
172.5°	326.9	323.5	321.9	322.7	320.2	319.4	316.9	315.2	316.9	318.6	316.9
175°	329.4	326.0	326.0	325.2	322.7	322.7	322.7	321.0	321.9	321.9	319.4
177.5°	331.9	329.4	326.0	328.5	328.5	326.0	324.4	326.9	326.0	331.0	326.9
180°	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9



TEST NUMBER: P303099

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1	1240.1
2.5°	1240.9	1239.3	1238.4	1236.0	1235.1	1232.6	1231.0	1232.6
5°	1234.3	1232.6	1231.8	1230.1	1230.1	1230.1	1230.1	1232.6
7.5°	1223.5	1221.8	1222.6	1221.0	1221.8	1222.6	1222.6	1223.5
10°	1210.2	1208.5	1207.7	1206.0	1206.8	1206.8	1206.8	1209.3
12.5°	1191.9	1190.2	1189.4	1187.7	1189.4	1191.0	1191.9	1192.7
15°	1173.6	1171.9	1171.1	1169.4	1171.1	1172.7	1171.9	1174.4
17.5°	1151.1	1149.5	1147.8	1146.1	1147.0	1147.8	1147.8	1148.6
20°	1123.7	1121.2	1119.5	1117.8	1118.7	1118.7	1120.3	1121.2
22.5°	1092.9	1090.4	1088.7	1087.9	1087.1	1087.1	1090.4	1091.2
25°	1064.6	1058.0	1057.1	1056.3	1055.5	1054.6	1057.1	1058.0
27.5°	1032.2	1026.4	1023.9	1022.2	1021.4	1019.7	1021.4	1026.4
30°	996.4	992.3	989.8	986.4	986.4	983.9	986.4	986.4
32.5°	956.5	955.7	953.2	952.3	949.0	946.5	948.2	953.2
35°	914.9	915.7	915.7	914.1	909.1	905.8	906.6	911.6
37.5°	874.1	870.8	871.7	868.3	860.8	857.5	857.5	860.0
40°	825.9	821.7	822.6	820.9	818.4	816.8	817.6	815.9
42.5°	785.2	781.0	782.7	780.2	777.7	775.2	776.8	776.0
45°	743.6	739.4	738.6	740.2	736.1	736.1	735.2	736.1
47.5°	701.1	697.8	698.7	698.7	694.5	694.5	693.7	696.2
50°	658.7	656.2	656.2	654.6	652.9	652.1	652.1	652.9
52.5°	618.0	613.8	613.0	614.6	609.7	610.5	610.5	609.7
55°	573.1	570.6	570.6	571.4	567.2	568.1	568.1	567.2
57.5°	532.3	528.1	528.1	529.0	526.5	525.7	524.8	525.7
60°	489.1	484.9	484.9	485.7	480.7	482.4	482.4	483.2
62.5°	445.8	444.1	440.8	440.0	440.0	439.2	440.0	439.2
65°	401.7	400.1	396.7	398.4	394.2	395.9	394.2	395.1
67.5°	357.6	356.0	353.5	354.3	351.0	352.7	352.7	352.7
70°	313.6	311.9	309.4	308.6	309.4	308.6	308.6	308.6
72.5°	269.5	268.6	265.3	265.3	266.2	265.3	263.7	264.5
75°	223.7	224.6	221.2	222.1	222.9	222.1	222.1	220.4
77.5°	178.8	179.7	178.8	177.2	178.0	178.0	177.2	176.3
80°	136.4	137.2	136.4	134.7	135.6	134.7	134.7	133.9
82.5°	94.0	94.8	93.2	91.5	92.3	91.5	90.7	89.8
85°	53.2	53.2	53.2	51.6	52.4	52.4	51.6	50.7
87.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	17.5
90°	3.3	4.2	3.3	3.3	3.3	3.3	3.3	3.3
92.5°	7.5	7.5	6.7	6.7	6.7	5.8	5.8	6.7
95°	13.3	14.1	13.3	13.3	13.3	13.3	13.3	13.3
97.5°	20.8	20.8	20.8	20.0	20.0	19.1	19.1	20.0
100°	28.3	28.3	28.3	28.3	28.3	27.4	27.4	28.3
102.5°	33.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1
105°	36.6	37.4	37.4	37.4	38.3	38.3	38.3	38.3
107.5°	40.8	41.6	41.6	41.6	41.6	41.6	42.4	41.6
110°	49.1	48.2	47.4	47.4	47.4	46.6	47.4	47.4



TEST NUMBER: P303099

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	55.7	56.6	56.6	56.6	56.6	56.6	55.7	56.6
115°	60.7	61.5	61.5	62.4	62.4	62.4	63.2	63.2
117.5°	64.9	65.7	65.7	66.5	66.5	67.4	68.2	68.2
120°	69.0	69.9	69.9	69.9	70.7	70.7	70.7	71.5
122.5°	75.7	74.9	74.9	74.9	74.9	74.0	74.9	74.9
125°	84.0	82.3	81.5	81.5	80.7	79.8	79.8	79.8
127.5°	93.2	91.5	90.7	89.8	89.0	87.3	87.3	86.5
130°	105.6	102.3	101.5	99.8	97.3	96.5	96.5	95.6
132.5°	119.8	116.4	113.9	113.1	109.8	108.1	107.3	107.3
135°	135.6	131.4	129.7	128.1	124.8	122.3	122.3	120.6
137.5°	150.5	145.6	144.7	143.9	140.6	138.1	136.4	134.7
140°	164.7	161.4	158.9	158.9	155.5	152.2	151.4	149.7
142.5°	181.3	178.0	173.0	173.0	168.8	168.0	166.3	165.5
145°	195.5	192.1	190.5	190.5	185.5	184.6	182.1	183.0
147.5°	209.6	207.1	204.6	204.6	200.4	198.8	197.1	196.3
150°	223.7	220.4	218.7	218.7	215.4	212.9	212.1	211.3
152.5°	235.4	232.1	232.1	231.2	227.1	227.1	225.4	226.2
155°	247.9	244.5	245.4	243.7	241.2	239.5	238.7	238.7
157.5°	258.7	257.0	255.3	254.5	253.7	252.8	251.2	250.4
160°	270.3	268.6	267.0	266.2	266.2	264.5	262.8	264.5
162.5°	281.1	278.6	278.6	277.8	277.8	276.1	275.3	276.1
165°	290.3	288.6	288.6	288.6	286.9	288.6	286.1	286.1
167.5°	298.6	298.6	297.8	295.3	295.3	294.4	295.3	296.1
170°	306.1	306.9	305.2	304.4	304.4	304.4	304.4	304.4
172.5°	315.2	313.6	314.4	311.9	312.7	311.1	310.2	311.9
175°	321.0	320.2	320.2	320.2	317.7	318.6	316.9	316.1
177.5°	326.9	326.9	326.0	326.0	325.2	324.4	324.4	322.7
180°	331.9	331.9	331.9	331.9	331.9	331.9	331.9	331.9

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