

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: P303097

Luminaire Tested: **CTW-F-2575-50L830-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303097  
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-2575-50L830-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

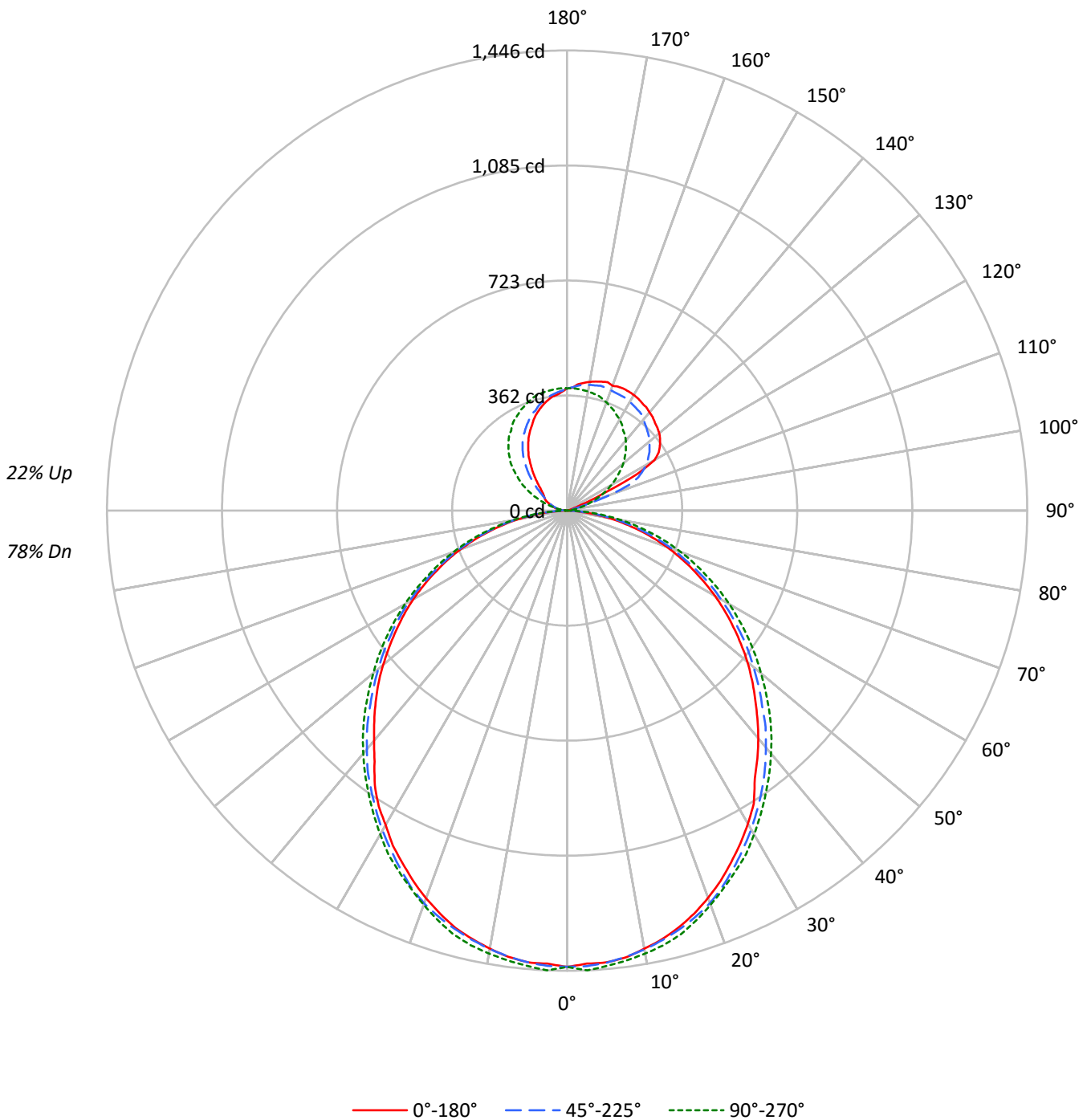
Lumens per Lamp: N/A  
Luminaire Lumens: 4898.2 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Direct

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°	30864	30864	30864
5°	30794	31043	30794
10°	30562	30899	30562
15°	30217	30730	30259
20°	29672	30202	29695
25°	28960	29715	29053
30°	28251	29208	28348
35°	27014	28580	27695
40°	26265	28021	26509
45°	25440	27370	25909
50°	24764	26632	25279
55°	23927	26021	24614
60°	23099	25377	24055
65°	22092	24588	23264
70°	20878	23843	22452
75°	19031	22874	21194
80°	16092	21336	19191
85°	9510	18056	14499



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.2	2.8
10°-20°	383.1	7.8
20°-30°	567.1	11.6
30°-40°	664.6	13.6
40°-50°	671.3	13.7
50°-60°	598.2	12.2
60°-70°	458.4	9.4
70°-80°	270.9	5.5
80°-90°	72.6	1.5
90°-100°	11.6	0.2
100°-110°	46.9	1.0
110°-120°	129.8	2.6
120°-130°	188.5	3.8
130°-140°	203.8	4.2
140°-150°	194.8	4.0
150°-160°	160.0	3.3
160°-170°	105.1	2.1
170°-180°	36.4	0.7
0°-30°	1085.3	22.2
0°-40°	1749.9	35.7
0°-60°	3019.4	61.6
0°-90°	3821.3	78.0
90°-120°	188.2	3.8
90°-150°	775.4	15.8
90°-180°	1077.0	22.0
0°-180°	4898.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1434	1434	1434	1434	1434	
5°	1425	1426	1436	1425	1425	135
15°	1356	1362	1379	1362	1358	382
25°	1219	1238	1251	1241	1223	562
35°	1028	1068	1088	1073	1054	647
45°	836	866	899	877	851	646
55°	638	662	693	674	656	571
65°	434	454	483	468	457	429
75°	229	246	275	262	255	242
85°	38	52	73	66	59	51
90°	1	1	1	3	4	1
95°	3	3	9	15	15	3
105°	11	27	52	39	44	13
115°	118	245	123	65	73	142
125°	356	315	194	108	92	316
135°	390	356	261	175	139	302
145°	412	386	307	244	212	259
155°	422	399	347	298	276	195
165°	419	406	375	342	331	119
175°	399	394	384	372	365	38
180°	384	384	384	384	384	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7
2.5°	1425.0	1423.1	1426.9	1429.8	1429.8	1431.7	1433.7	1436.5	1434.6	1439.4	1432.7
5°	1425.0	1422.1	1424.0	1424.0	1423.1	1425.0	1426.0	1429.8	1427.9	1432.7	1426.0
7.5°	1416.3	1414.4	1414.4	1415.4	1412.5	1414.4	1415.4	1418.3	1415.4	1420.2	1414.4
10°	1398.1	1397.1	1398.1	1399.0	1396.2	1398.1	1398.1	1400.0	1400.0	1403.8	1400.0
12.5°	1379.8	1376.9	1378.8	1377.9	1375.0	1376.9	1377.9	1381.7	1381.7	1384.6	1382.7
15°	1355.8	1354.8	1356.7	1356.7	1353.8	1354.8	1355.8	1358.7	1359.6	1362.5	1362.5
17.5°	1327.9	1326.0	1327.9	1327.9	1326.0	1326.9	1328.8	1332.7	1333.7	1337.5	1339.4
20°	1295.2	1292.3	1293.3	1293.3	1293.3	1294.2	1296.2	1301.0	1304.8	1309.6	1312.5
22.5°	1259.6	1256.7	1255.8	1255.8	1256.7	1257.7	1257.7	1266.3	1271.2	1274.0	1277.9
25°	1219.2	1216.3	1216.3	1219.2	1218.3	1220.2	1223.1	1230.8	1234.6	1231.7	1238.5
27.5°	1178.8	1176.9	1175.0	1176.9	1178.8	1180.8	1185.6	1191.3	1191.3	1193.3	1198.1
30°	1136.5	1131.7	1131.7	1134.6	1137.5	1141.3	1145.2	1148.1	1147.1	1150.0	1156.7
32.5°	1091.3	1089.4	1087.5	1090.4	1095.2	1098.1	1100.0	1100.0	1101.0	1105.8	1112.5
35°	1027.9	1026.9	1030.8	1039.4	1047.1	1051.9	1051.0	1051.0	1053.8	1059.6	1068.3
37.5°	981.7	980.8	980.8	985.6	987.5	990.4	992.3	1001.0	1007.7	1016.3	1021.2
40°	934.6	933.7	932.7	938.5	940.4	940.4	942.3	946.2	954.8	970.2	971.2
42.5°	884.6	885.6	884.6	889.4	891.3	893.3	894.2	897.1	902.9	912.5	923.1
45°	835.6	836.5	835.6	840.4	842.3	843.3	845.2	848.1	852.9	861.5	866.3
47.5°	787.5	787.5	785.6	791.3	793.3	795.2	796.2	798.1	805.8	811.5	816.3
50°	739.4	737.5	735.6	741.3	743.3	745.2	747.1	750.0	751.9	761.5	764.4
52.5°	688.5	687.5	686.5	691.3	693.3	694.2	697.1	700.0	703.8	712.5	715.4
55°	637.5	637.5	635.6	640.4	641.3	644.2	646.2	650.0	651.9	660.6	662.5
57.5°	587.5	587.5	584.6	589.4	590.4	593.3	595.2	598.1	601.0	606.7	611.5
60°	536.5	533.7	533.7	537.5	539.4	542.3	544.2	547.1	549.0	554.8	558.7
62.5°	484.6	485.6	485.6	486.5	491.3	490.4	490.4	496.2	498.1	501.9	508.7
65°	433.7	432.7	432.7	435.6	437.5	438.5	438.5	445.2	447.1	450.0	453.8
67.5°	382.7	383.7	383.7	383.7	388.5	387.5	387.5	393.3	395.2	398.1	400.0
70°	331.7	332.7	333.7	332.7	337.5	335.6	338.5	341.3	343.3	347.1	350.0
72.5°	280.8	281.7	282.7	282.7	286.5	284.6	287.5	290.4	295.2	296.2	298.1
75°	228.8	229.8	230.8	230.8	233.7	231.7	234.6	237.5	239.4	243.3	246.2
77.5°	178.8	179.8	181.7	181.7	183.7	181.7	184.6	188.5	190.4	192.3	196.2
80°	129.8	130.8	132.7	132.7	135.6	133.7	135.6	138.5	141.3	144.2	146.2
82.5°	82.7	83.7	84.6	85.6	88.5	88.5	88.5	91.3	95.2	95.2	98.1
85°	38.5	39.4	40.4	40.4	43.3	43.3	43.3	46.2	48.1	50.0	51.9
87.5°	4.8	5.8	5.8	5.8	6.7	6.7	6.7	7.7	8.7	9.6	11.5
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
92.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
97.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.8	4.8	4.8	5.8
100°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.7	6.7	7.7	8.7
102.5°	7.7	7.7	7.7	8.7	8.7	8.7	8.7	9.6	10.6	11.5	14.4
105°	10.6	10.6	10.6	11.5	11.5	12.5	12.5	13.5	16.3	19.2	26.9
107.5°	15.4	15.4	15.4	16.3	17.3	18.3	19.2	23.1	28.8	40.4	62.5
110°	23.1	23.1	24.0	26.0	29.8	32.7	35.6	49.0	69.2	101.0	139.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	46.2	47.1	51.0	56.7	71.2	77.9	89.4	124.0	159.6	193.3	209.6
115°	118.3	121.2	125.0	144.2	173.1	183.7	199.0	231.7	245.2	249.0	245.2
117.5°	246.2	250.0	251.0	268.3	275.0	277.9	281.7	285.6	280.8	275.0	267.3
120°	317.3	319.2	316.3	314.4	316.3	313.5	311.5	306.7	299.0	294.2	286.5
122.5°	341.3	342.3	338.5	335.6	333.7	332.7	329.8	322.1	313.5	309.6	301.0
125°	355.8	355.8	353.8	349.0	347.1	346.2	343.3	337.5	328.8	322.1	315.4
127.5°	368.3	368.3	364.4	360.6	358.7	357.7	351.9	347.1	342.3	333.7	326.0
130°	377.9	376.9	374.0	370.2	369.2	366.3	364.4	357.7	352.9	347.1	337.5
132.5°	384.6	385.6	381.7	381.7	379.8	374.0	373.1	367.3	361.5	354.8	348.1
135°	390.4	393.3	390.4	389.4	386.5	381.7	378.8	375.0	369.2	362.5	355.8
137.5°	398.1	396.2	397.1	395.2	393.3	389.4	386.5	384.6	377.9	372.1	364.4
140°	402.9	402.9	402.9	401.0	397.1	396.2	396.2	389.4	388.5	381.7	373.1
142.5°	408.7	407.7	406.7	403.8	404.8	401.9	398.1	398.1	392.3	387.5	382.7
145°	411.5	412.5	407.7	410.6	406.7	405.8	401.9	401.9	398.1	390.4	386.5
147.5°	416.3	415.4	412.5	413.5	410.6	409.6	406.7	404.8	399.0	395.2	390.4
150°	419.2	415.4	417.3	417.3	410.6	410.6	409.6	408.7	403.8	400.0	394.2
152.5°	421.2	419.2	418.3	419.2	413.5	413.5	412.5	408.7	406.7	401.9	398.1
155°	422.1	419.2	419.2	419.2	416.3	414.4	412.5	409.6	407.7	402.9	399.0
157.5°	421.2	421.2	418.3	419.2	418.3	415.4	410.6	410.6	410.6	405.8	400.0
160°	417.3	419.2	419.2	419.2	418.3	417.3	411.5	412.5	409.6	407.7	401.9
162.5°	423.1	419.2	419.2	418.3	417.3	416.3	414.4	414.4	411.5	407.7	404.8
165°	419.2	419.2	419.2	414.4	416.3	414.4	412.5	412.5	410.6	405.8	405.8
167.5°	415.4	414.4	413.5	411.5	412.5	409.6	408.7	409.6	406.7	405.8	402.9
170°	410.6	410.6	408.7	408.7	407.7	406.7	407.7	407.7	404.8	405.8	401.0
172.5°	404.8	406.7	405.8	404.8	402.9	402.9	401.9	401.0	400.0	401.9	398.1
175°	399.0	399.0	399.0	399.0	399.0	399.0	398.1	400.0	397.1	397.1	394.2
177.5°	386.5	390.4	388.5	393.3	394.2	393.3	394.2	393.3	390.4	393.3	387.5
180°	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7
2.5°	1427.9	1428.8	1428.8	1429.8	1430.8	1429.8	1429.8	1436.5	1442.3	1446.2	1442.3
5°	1420.2	1420.2	1420.2	1421.2	1422.1	1421.2	1421.2	1427.9	1433.7	1436.5	1433.7
7.5°	1408.7	1408.7	1408.7	1409.6	1410.6	1410.6	1410.6	1417.3	1423.1	1426.0	1422.1
10°	1393.3	1394.2	1394.2	1395.2	1397.1	1397.1	1398.1	1403.8	1409.6	1413.5	1409.6
12.5°	1375.0	1376.9	1377.9	1379.8	1380.8	1381.7	1382.7	1389.4	1394.2	1399.0	1395.2
15°	1355.8	1357.7	1359.6	1361.5	1362.5	1363.5	1363.5	1370.2	1375.0	1378.8	1375.0
17.5°	1332.7	1334.6	1333.7	1334.6	1334.6	1334.6	1334.6	1339.4	1345.2	1350.0	1345.2
20°	1301.0	1301.9	1301.0	1301.0	1301.9	1302.9	1301.9	1308.7	1313.5	1318.3	1313.5
22.5°	1266.3	1265.4	1265.4	1267.3	1267.3	1270.2	1270.2	1276.0	1280.8	1284.6	1281.7
25°	1227.9	1228.8	1229.8	1230.8	1232.7	1234.6	1236.5	1242.3	1248.1	1251.0	1248.1
27.5°	1190.4	1190.4	1191.3	1195.2	1196.2	1200.0	1201.9	1207.7	1212.5	1217.3	1213.5
30°	1151.9	1151.9	1155.8	1157.7	1158.7	1160.6	1159.6	1166.3	1170.2	1175.0	1174.0
32.5°	1112.5	1112.5	1112.5	1113.5	1114.4	1117.3	1116.3	1124.0	1129.8	1131.7	1130.8
35°	1069.2	1064.4	1066.3	1069.2	1070.2	1073.1	1075.0	1078.8	1085.6	1087.5	1086.5
37.5°	1023.1	1020.2	1022.1	1025.0	1026.0	1027.9	1029.8	1034.6	1038.5	1043.3	1042.3
40°	977.9	975.0	976.0	979.8	981.7	983.7	984.6	988.5	992.3	997.1	996.2
42.5°	929.8	928.8	928.8	932.7	934.6	934.6	937.5	940.4	943.3	950.0	948.1
45°	879.8	879.8	879.8	883.7	885.6	885.6	889.4	891.3	896.2	899.0	898.1
47.5°	822.1	831.7	832.7	835.6	834.6	835.6	840.4	840.4	845.2	847.1	847.1
50°	769.2	776.9	781.7	784.6	785.6	785.6	791.3	791.3	793.3	795.2	798.1
52.5°	718.3	721.2	731.7	734.6	738.5	734.6	740.4	740.4	743.3	745.2	746.2
55°	666.3	669.2	674.0	680.8	682.7	683.7	688.5	689.4	691.3	693.3	693.3
57.5°	615.4	617.3	622.1	630.8	631.7	635.6	637.5	637.5	639.4	640.4	642.3
60°	564.4	566.3	570.2	573.1	578.8	580.8	585.6	586.5	588.5	589.4	589.4
62.5°	512.5	514.4	518.3	523.1	526.0	529.8	530.8	531.7	533.7	536.5	536.5
65°	460.6	462.5	466.3	471.2	471.2	472.1	478.8	479.8	481.7	482.7	485.6
67.5°	406.7	409.6	414.4	418.3	418.3	422.1	426.9	427.9	429.8	431.7	432.7
70°	353.8	356.7	361.5	366.3	368.3	369.2	372.1	375.0	377.9	378.8	379.8
72.5°	301.9	304.8	308.7	314.4	315.4	317.3	319.2	322.1	326.0	327.9	327.9
75°	249.0	251.9	256.7	262.5	264.4	263.5	267.3	269.2	273.1	275.0	275.0
77.5°	198.1	200.0	204.8	208.7	210.6	212.5	212.5	214.4	218.3	221.2	220.2
80°	149.0	151.0	154.8	158.7	159.6	162.5	162.5	164.4	167.3	172.1	169.2
82.5°	103.8	102.9	106.7	110.6	111.5	114.4	116.3	116.3	118.3	122.1	120.2
85°	56.7	57.7	60.6	64.4	66.3	67.3	70.2	70.2	72.1	73.1	76.0
87.5°	15.4	15.4	19.2	22.1	24.0	25.0	27.9	27.9	29.8	32.7	30.8
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
92.5°	1.9	1.9	1.9	1.9	2.9	2.9	3.8	4.8	4.8	3.8	4.8
95°	3.8	3.8	4.8	5.8	6.7	7.7	10.6	12.5	10.6	8.7	8.7
97.5°	5.8	6.7	9.6	13.5	15.4	19.2	24.0	22.1	19.2	16.3	15.4
100°	10.6	13.5	18.3	28.8	33.7	38.5	41.3	36.5	30.8	25.0	23.1
102.5°	18.3	26.9	43.3	58.7	62.5	64.4	61.5	54.8	46.2	37.5	32.7
105°	39.4	60.6	85.6	94.2	93.3	92.3	83.7	73.1	62.5	51.9	44.2
107.5°	95.2	120.2	129.8	127.9	123.1	118.3	106.7	94.2	80.8	67.3	58.7
110°	164.4	167.3	164.4	154.8	147.1	141.3	128.8	116.3	100.0	85.6	75.0





TEST NUMBER: P303097

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	209.6	200.0	189.4	177.9	170.2	163.5	149.0	134.6	119.2	104.8	93.3
115°	235.6	226.0	212.5	197.1	190.4	184.6	169.2	152.9	137.5	123.1	111.5
117.5°	256.7	244.2	231.7	218.3	211.5	203.8	189.4	174.0	156.7	141.3	130.8
120°	276.0	261.5	249.0	234.6	230.8	223.1	208.7	191.3	174.0	160.6	148.1
122.5°	290.4	277.9	264.4	252.9	246.2	240.4	224.0	208.7	192.3	177.9	166.3
125°	303.8	291.3	278.8	266.3	261.5	254.8	238.5	225.0	209.6	194.2	183.7
127.5°	317.3	302.9	293.3	284.6	276.0	267.3	252.9	240.4	226.0	213.5	201.0
130°	328.8	317.3	305.8	294.2	287.5	281.7	268.3	254.8	243.3	230.8	219.2
132.5°	336.5	327.9	316.3	307.7	298.1	293.3	279.8	268.3	255.8	245.2	233.7
135°	346.2	338.5	326.0	316.3	312.5	305.8	291.3	280.8	270.2	260.6	248.1
137.5°	355.8	347.1	337.5	326.9	321.2	316.3	302.9	295.2	283.7	273.1	263.5
140°	365.4	353.8	347.1	335.6	329.8	326.9	315.4	303.8	296.2	286.5	276.9
142.5°	371.2	361.5	352.9	344.2	340.4	335.6	325.0	312.5	306.7	299.0	288.5
145°	376.9	369.2	358.7	350.0	347.1	343.3	333.7	326.0	318.3	306.7	300.0
147.5°	382.7	374.0	367.3	358.7	352.9	351.9	342.3	334.6	326.0	320.2	310.6
150°	385.6	376.9	372.1	363.5	358.7	358.7	351.0	341.3	337.5	330.8	321.2
152.5°	389.4	383.7	377.9	372.1	366.3	365.4	358.7	351.9	344.2	337.5	331.7
155°	393.3	388.5	383.7	376.0	372.1	371.2	364.4	358.7	352.9	347.1	340.4
157.5°	395.2	387.5	384.6	379.8	376.9	374.0	367.3	362.5	360.6	353.8	346.2
160°	396.2	390.4	386.5	381.7	382.7	377.9	373.1	371.2	366.3	361.5	355.8
162.5°	397.1	395.2	389.4	385.6	384.6	380.8	377.9	375.0	372.1	368.3	363.5
165°	399.0	397.1	393.3	385.6	386.5	383.7	382.7	376.9	377.9	375.0	366.3
167.5°	398.1	395.2	391.3	391.3	386.5	386.5	383.7	382.7	379.8	376.9	371.2
170°	397.1	395.2	390.4	389.4	390.4	387.5	384.6	384.6	382.7	380.8	378.8
172.5°	394.2	392.3	389.4	392.3	389.4	387.5	385.6	381.7	385.6	381.7	377.9
175°	390.4	390.4	387.5	386.5	387.5	385.6	386.5	385.6	383.7	383.7	382.7
177.5°	387.5	388.5	384.6	385.6	386.5	384.6	386.5	386.5	387.5	384.6	386.5
180°	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7



TEST NUMBER: P303097

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7
2.5°	1438.5	1432.7	1430.8	1430.8	1429.8	1426.0	1425.0	1425.0	1431.7	1440.4	1430.8
5°	1428.8	1423.1	1421.2	1422.1	1421.2	1417.3	1417.3	1417.3	1425.0	1433.7	1424.0
7.5°	1418.3	1412.5	1410.6	1410.6	1409.6	1405.8	1405.8	1405.8	1413.5	1420.2	1412.5
10°	1404.8	1399.0	1397.1	1397.1	1395.2	1391.3	1390.4	1391.3	1399.0	1403.8	1396.2
12.5°	1390.4	1383.7	1381.7	1380.8	1378.8	1375.0	1373.1	1373.1	1381.7	1385.6	1376.9
15°	1371.2	1365.4	1362.5	1363.5	1361.5	1356.7	1355.8	1353.8	1361.5	1362.5	1356.7
17.5°	1342.3	1336.5	1335.6	1336.5	1334.6	1330.8	1331.7	1330.8	1339.4	1336.5	1330.8
20°	1309.6	1303.8	1302.9	1303.8	1301.0	1300.0	1301.9	1302.9	1313.5	1308.7	1301.9
22.5°	1276.9	1270.2	1270.2	1269.2	1266.3	1264.4	1265.4	1267.3	1280.8	1276.0	1271.2
25°	1242.3	1236.5	1235.6	1234.6	1231.7	1228.8	1227.9	1227.9	1241.3	1235.6	1236.5
27.5°	1210.6	1201.9	1199.0	1198.1	1195.2	1191.3	1190.4	1190.4	1201.0	1194.2	1198.1
30°	1169.2	1162.5	1161.5	1161.5	1158.7	1154.8	1151.9	1152.9	1160.6	1150.0	1151.9
32.5°	1126.9	1119.2	1120.2	1118.3	1115.4	1115.4	1113.5	1113.5	1117.3	1105.8	1107.7
35°	1082.7	1076.9	1076.0	1074.0	1070.2	1068.3	1069.2	1073.1	1073.1	1061.5	1061.5
37.5°	1037.5	1030.8	1031.7	1028.8	1026.0	1024.0	1024.0	1028.8	1029.8	1018.3	1016.3
40°	992.3	986.5	984.6	984.6	981.7	979.8	978.8	984.6	978.8	976.0	968.3
42.5°	944.2	938.5	936.5	936.5	935.6	934.6	933.7	937.5	930.8	923.1	914.4
45°	895.2	893.3	890.4	887.5	886.5	886.5	887.5	887.5	876.9	868.3	866.3
47.5°	844.2	844.2	840.4	839.4	839.4	838.5	838.5	833.7	826.0	820.2	817.3
50°	795.2	793.3	789.4	790.4	790.4	788.5	786.5	777.9	775.0	770.2	767.3
52.5°	745.2	746.2	739.4	741.3	740.4	736.5	731.7	727.9	725.0	720.2	717.3
55°	692.3	690.4	688.5	692.3	690.4	682.7	678.8	676.9	674.0	669.2	667.3
57.5°	642.3	643.3	638.5	639.4	636.5	629.8	629.8	626.9	625.0	618.3	616.3
60°	589.4	585.6	587.5	589.4	580.8	577.9	578.8	576.0	574.0	567.3	565.4
62.5°	536.5	536.5	536.5	531.7	529.8	526.9	527.9	525.0	521.2	516.3	515.4
65°	485.6	483.7	479.8	479.8	477.9	476.0	476.9	475.0	468.3	465.4	464.4
67.5°	433.7	429.8	427.9	428.8	426.0	424.0	425.0	423.1	417.3	413.5	413.5
70°	382.7	375.0	376.0	376.0	374.0	371.2	372.1	368.3	365.4	365.4	362.5
72.5°	328.8	326.0	324.0	323.1	322.1	319.2	319.2	316.3	315.4	314.4	312.5
75°	276.0	272.1	272.1	272.1	270.2	268.3	268.3	264.4	262.5	264.4	261.5
77.5°	221.2	219.2	219.2	219.2	216.3	215.4	216.3	212.5	213.5	211.5	209.6
80°	171.2	169.2	169.2	168.3	169.2	165.4	166.3	163.5	163.5	162.5	160.6
82.5°	123.1	121.2	120.2	119.2	118.3	117.3	118.3	117.3	115.4	113.5	111.5
85°	76.9	74.0	74.0	74.0	74.0	71.2	71.2	69.2	66.3	65.4	63.5
87.5°	33.7	31.7	29.8	28.8	29.8	26.9	27.9	26.9	25.0	24.0	22.1
90°	1.0	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.8
92.5°	5.8	7.7	7.7	7.7	7.7	8.7	8.7	8.7	7.7	7.7	8.7
95°	10.6	12.5	14.4	15.4	15.4	16.3	16.3	15.4	15.4	15.4	15.4
97.5°	15.4	17.3	18.3	19.2	20.2	22.1	23.1	24.0	24.0	24.0	24.0
100°	22.1	22.1	24.0	26.0	26.0	26.0	27.9	28.8	30.8	31.7	31.7
102.5°	29.8	28.8	28.8	29.8	31.7	33.7	32.7	32.7	34.6	35.6	37.5
105°	40.4	37.5	36.5	35.6	36.5	38.5	40.4	40.4	39.4	39.4	40.4
107.5°	52.9	48.1	45.2	44.2	43.3	44.2	45.2	47.1	48.1	48.1	47.1
110°	67.3	59.6	55.8	53.8	51.9	51.0	51.0	52.9	53.8	55.8	56.7



TEST NUMBER: P303097

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.7	74.0	68.3	65.4	62.5	60.6	58.7	58.7	59.6	61.5	63.5
115°	101.0	90.4	82.7	78.8	75.0	70.2	68.3	66.3	65.4	67.3	68.3
117.5°	119.2	108.7	98.1	93.3	89.4	83.7	77.9	76.0	74.0	72.1	73.1
120°	136.5	126.0	114.4	110.6	105.8	98.1	90.4	85.6	83.7	81.7	79.8
122.5°	155.8	144.2	131.7	126.9	123.1	113.5	105.8	99.0	94.2	91.3	88.5
125°	173.1	161.5	150.0	145.2	139.4	130.8	122.1	114.4	107.7	102.9	98.1
127.5°	189.4	178.8	167.3	162.5	158.7	147.1	139.4	130.8	124.0	118.3	112.5
130°	209.6	193.3	184.6	179.8	175.0	166.3	155.8	148.1	141.3	134.6	127.9
132.5°	224.0	213.5	199.0	196.2	191.3	181.7	174.0	165.4	158.7	151.0	144.2
135°	237.5	227.9	219.2	212.5	209.6	198.1	190.4	182.7	175.0	169.2	162.5
137.5°	252.9	242.3	231.7	229.8	224.0	216.3	209.6	200.0	193.3	185.6	179.8
140°	267.3	256.7	249.0	241.3	238.5	232.7	226.0	219.2	211.5	203.8	197.1
142.5°	280.8	270.2	261.5	257.7	252.9	246.2	239.4	234.6	228.8	223.1	216.3
145°	292.3	281.7	275.0	271.2	267.3	259.6	253.8	250.0	244.2	237.5	231.7
147.5°	301.9	294.2	286.5	284.6	276.9	272.1	268.3	262.5	260.6	252.9	249.0
150°	312.5	305.8	300.0	295.2	292.3	284.6	280.8	277.9	273.1	268.3	263.5
152.5°	322.1	316.3	309.6	307.7	303.8	297.1	292.3	287.5	285.6	280.8	276.0
155°	331.7	326.0	320.2	317.3	315.4	310.6	302.9	300.0	298.1	295.2	291.3
157.5°	340.4	333.7	328.8	327.9	323.1	319.2	316.3	311.5	310.6	304.8	302.9
160°	348.1	344.2	337.5	334.6	335.6	329.8	325.0	320.2	324.0	316.3	315.4
162.5°	355.8	351.0	349.0	345.2	344.2	341.3	337.5	332.7	329.8	331.7	325.0
165°	364.4	359.6	355.8	353.8	351.9	345.2	344.2	341.3	342.3	341.3	339.4
167.5°	368.3	364.4	363.5	359.6	359.6	357.7	353.8	350.0	351.0	351.0	346.2
170°	373.1	369.2	367.3	365.4	365.4	360.6	360.6	357.7	361.5	359.6	355.8
172.5°	377.9	374.0	372.1	373.1	370.2	369.2	366.3	364.4	366.3	368.3	366.3
175°	380.8	376.9	376.9	376.0	373.1	373.1	373.1	371.2	372.1	372.1	369.2
177.5°	383.7	380.8	376.9	379.8	379.8	376.9	375.0	377.9	376.9	382.7	377.9
180°	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7



TEST NUMBER: P303097

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7	1433.7
2.5°	1434.6	1432.7	1431.7	1428.8	1427.9	1425.0	1423.1	1425.0
5°	1426.9	1425.0	1424.0	1422.1	1422.1	1422.1	1422.1	1425.0
7.5°	1414.4	1412.5	1413.5	1411.5	1412.5	1413.5	1413.5	1414.4
10°	1399.0	1397.1	1396.2	1394.2	1395.2	1395.2	1395.2	1398.1
12.5°	1377.9	1376.0	1375.0	1373.1	1375.0	1376.9	1377.9	1378.8
15°	1356.7	1354.8	1353.8	1351.9	1353.8	1355.8	1354.8	1357.7
17.5°	1330.8	1328.8	1326.9	1325.0	1326.0	1326.9	1326.9	1327.9
20°	1299.0	1296.2	1294.2	1292.3	1293.3	1293.3	1295.2	1296.2
22.5°	1263.5	1260.6	1258.7	1257.7	1256.7	1256.7	1260.6	1261.5
25°	1230.8	1223.1	1222.1	1221.2	1220.2	1219.2	1222.1	1223.1
27.5°	1193.3	1186.5	1183.7	1181.7	1180.8	1178.8	1180.8	1186.5
30°	1151.9	1147.1	1144.2	1140.4	1140.4	1137.5	1140.4	1140.4
32.5°	1105.8	1104.8	1101.9	1101.0	1097.1	1094.2	1096.2	1101.9
35°	1057.7	1058.7	1058.7	1056.7	1051.0	1047.1	1048.1	1053.8
37.5°	1010.6	1006.7	1007.7	1003.8	995.2	991.3	991.3	994.2
40°	954.8	950.0	951.0	949.0	946.2	944.2	945.2	943.3
42.5°	907.7	902.9	904.8	901.9	899.0	896.2	898.1	897.1
45°	859.6	854.8	853.8	855.8	851.0	851.0	850.0	851.0
47.5°	810.6	806.7	807.7	807.7	802.9	802.9	801.9	804.8
50°	761.5	758.7	758.7	756.7	754.8	753.8	753.8	754.8
52.5°	714.4	709.6	708.7	710.6	704.8	705.8	705.8	704.8
55°	662.5	659.6	659.6	660.6	655.8	656.7	656.7	655.8
57.5°	615.4	610.6	610.6	611.5	608.7	607.7	606.7	607.7
60°	565.4	560.6	560.6	561.5	555.8	557.7	557.7	558.7
62.5°	515.4	513.5	509.6	508.7	508.7	507.7	508.7	507.7
65°	464.4	462.5	458.7	460.6	455.8	457.7	455.8	456.7
67.5°	413.5	411.5	408.7	409.6	405.8	407.7	407.7	407.7
70°	362.5	360.6	357.7	356.7	357.7	356.7	356.7	356.7
72.5°	311.5	310.6	306.7	306.7	307.7	306.7	304.8	305.8
75°	258.7	259.6	255.8	256.7	257.7	256.7	256.7	254.8
77.5°	206.7	207.7	206.7	204.8	205.8	205.8	204.8	203.8
80°	157.7	158.7	157.7	155.8	156.7	155.8	155.8	154.8
82.5°	108.7	109.6	107.7	105.8	106.7	105.8	104.8	103.8
85°	61.5	61.5	61.5	59.6	60.6	60.6	59.6	58.7
87.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.2
90°	3.8	4.8	3.8	3.8	3.8	3.8	3.8	3.8
92.5°	8.7	8.7	7.7	7.7	7.7	6.7	6.7	7.7
95°	15.4	16.3	15.4	15.4	15.4	15.4	15.4	15.4
97.5°	24.0	24.0	24.0	23.1	23.1	22.1	22.1	23.1
100°	32.7	32.7	32.7	32.7	32.7	31.7	31.7	32.7
102.5°	38.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4
105°	42.3	43.3	43.3	43.3	44.2	44.2	44.2	44.2
107.5°	47.1	48.1	48.1	48.1	48.1	48.1	49.0	48.1
110°	56.7	55.8	54.8	54.8	54.8	53.8	54.8	54.8



TEST NUMBER: P303097

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	64.4	65.4	65.4	65.4	65.4	65.4	64.4	65.4
115°	70.2	71.2	71.2	72.1	72.1	72.1	73.1	73.1
117.5°	75.0	76.0	76.0	76.9	76.9	77.9	78.8	78.8
120°	79.8	80.8	80.8	80.8	81.7	81.7	81.7	82.7
122.5°	87.5	86.5	86.5	86.5	86.5	85.6	86.5	86.5
125°	97.1	95.2	94.2	94.2	93.3	92.3	92.3	92.3
127.5°	107.7	105.8	104.8	103.8	102.9	101.0	101.0	100.0
130°	122.1	118.3	117.3	115.4	112.5	111.5	111.5	110.6
132.5°	138.5	134.6	131.7	130.8	126.9	125.0	124.0	124.0
135°	156.7	151.9	150.0	148.1	144.2	141.3	141.3	139.4
137.5°	174.0	168.3	167.3	166.3	162.5	159.6	157.7	155.8
140°	190.4	186.5	183.7	183.7	179.8	176.0	175.0	173.1
142.5°	209.6	205.8	200.0	200.0	195.2	194.2	192.3	191.3
145°	226.0	222.1	220.2	220.2	214.4	213.5	210.6	211.5
147.5°	242.3	239.4	236.5	236.5	231.7	229.8	227.9	226.9
150°	258.7	254.8	252.9	252.9	249.0	246.2	245.2	244.2
152.5°	272.1	268.3	268.3	267.3	262.5	262.5	260.6	261.5
155°	286.5	282.7	283.7	281.7	278.8	276.9	276.0	276.0
157.5°	299.0	297.1	295.2	294.2	293.3	292.3	290.4	289.4
160°	312.5	310.6	308.7	307.7	307.7	305.8	303.8	305.8
162.5°	325.0	322.1	322.1	321.2	321.2	319.2	318.3	319.2
165°	335.6	333.7	333.7	333.7	331.7	333.7	330.8	330.8
167.5°	345.2	345.2	344.2	341.3	341.3	340.4	341.3	342.3
170°	353.8	354.8	352.9	351.9	351.9	351.9	351.9	351.9
172.5°	364.4	362.5	363.5	360.6	361.5	359.6	358.7	360.6
175°	371.2	370.2	370.2	370.2	367.3	368.3	366.3	365.4
177.5°	377.9	377.9	376.9	376.9	376.0	375.0	375.0	373.1
180°	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7

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