

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: P303098

Luminaire Tested: **CTW-F-2575-50L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303098
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-2575-50L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

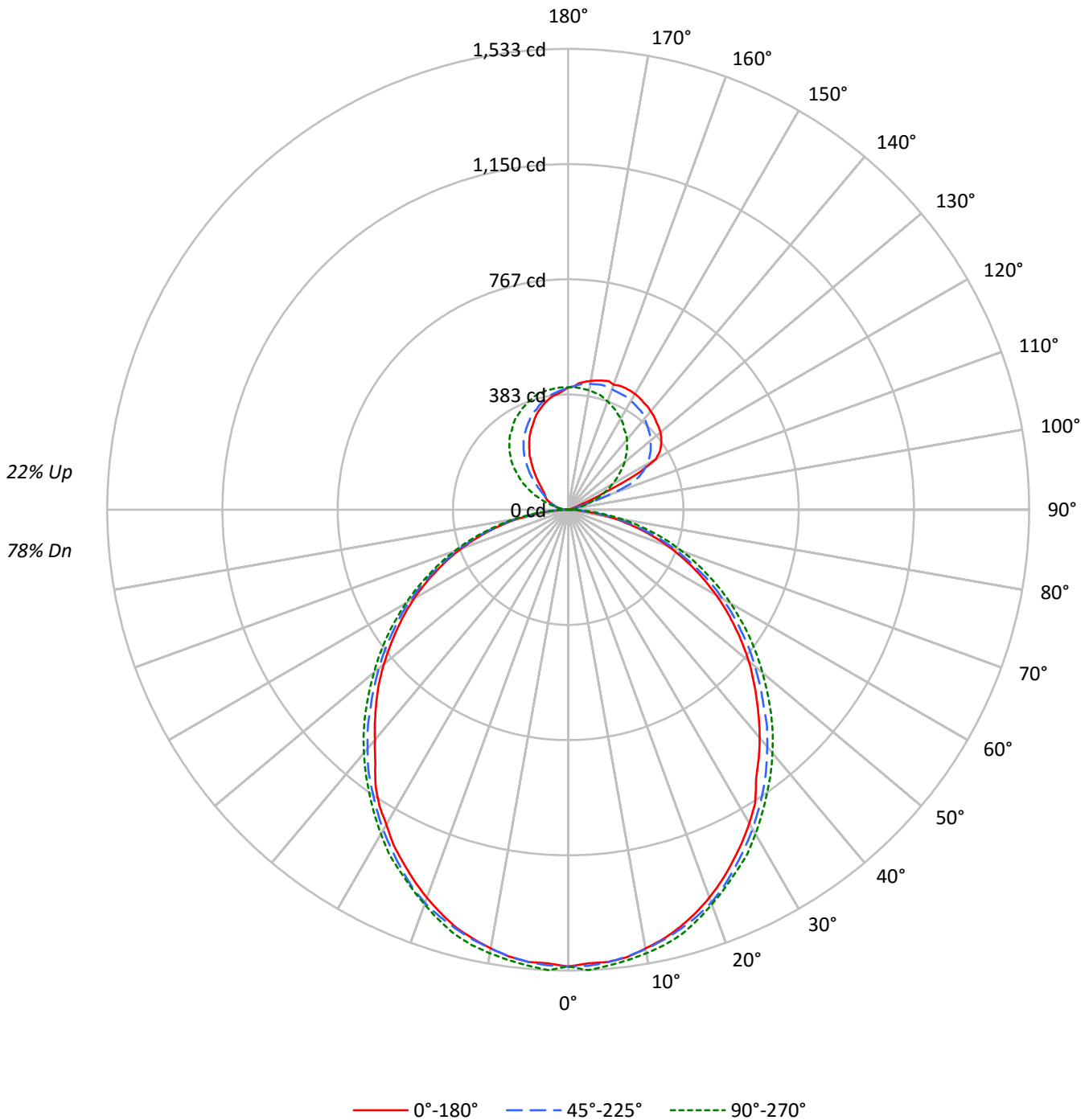
Lumens per Lamp: N/A
Luminaire Lumens: 5192.1 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

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°	32716	32716	32716
5°	32642	32906	32642
10°	32396	32753	32396
15°	32029	32575	32076
20°	31452	32014	31475
25°	30699	31497	30796
30°	29947	30961	30049
35°	28635	30294	29358
40°	27841	29702	28100
45°	26965	29014	27461
50°	26251	28230	26796
55°	25361	27583	26089
60°	24486	26901	25498
65°	23417	26066	24660
70°	22131	25278	23799
75°	20179	24246	22466
80°	17059	22613	20344
85°	10078	19143	15364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	2.8
10°-20°	406.0	7.8
20°-30°	601.1	11.6
30°-40°	704.5	13.6
40°-50°	711.5	13.7
50°-60°	634.0	12.2
60°-70°	485.9	9.4
70°-80°	287.2	5.5
80°-90°	76.9	1.5
90°-100°	12.3	0.2
100°-110°	49.7	1.0
110°-120°	137.6	2.6
120°-130°	199.9	3.8
130°-140°	216.1	4.2
140°-150°	206.5	4.0
150°-160°	169.6	3.3
160°-170°	111.4	2.1
170°-180°	38.6	0.7
0°-30°	1150.4	22.2
0°-40°	1854.9	35.7
0°-60°	3200.5	61.6
0°-90°	4050.6	78.0
90°-120°	199.5	3.8
90°-150°	821.9	15.8
90°-180°	1142.0	22.0
0°-180°	5192.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1520	1520	1520	1520	1520	
5°	1510	1512	1523	1510	1510	143
15°	1437	1444	1462	1443	1439	405
25°	1292	1313	1326	1316	1296	595
35°	1090	1132	1153	1138	1117	686
45°	886	918	953	930	902	684
55°	676	702	735	714	695	605
65°	460	481	512	496	484	455
75°	243	261	292	278	270	257
85°	41	55	78	70	62	54
90°	1	1	1	3	4	1
95°	3	3	9	16	16	3
105°	11	28	55	42	47	13
115°	125	260	130	69	78	150
125°	377	334	206	114	98	335
135°	414	377	276	186	148	321
145°	436	410	325	259	224	274
155°	447	423	368	316	292	206
165°	444	430	398	363	351	126
175°	423	418	407	394	387	41
180°	407	407	407	407	407	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7
2.5°	1510.5	1508.5	1512.5	1515.6	1515.6	1517.6	1519.7	1522.7	1520.7	1525.8	1518.7
5°	1510.5	1507.4	1509.5	1509.5	1508.5	1510.5	1511.5	1515.6	1513.6	1518.7	1511.5
7.5°	1501.3	1499.3	1499.3	1500.3	1497.2	1499.3	1500.3	1503.4	1500.3	1505.4	1499.3
10°	1482.0	1480.9	1482.0	1483.0	1479.9	1482.0	1482.0	1484.0	1484.0	1488.1	1484.0
12.5°	1462.6	1459.5	1461.6	1460.6	1457.5	1459.5	1460.6	1464.6	1464.6	1467.7	1465.7
15°	1437.1	1436.1	1438.1	1438.1	1435.1	1436.1	1437.1	1440.2	1441.2	1444.2	1444.2
17.5°	1407.6	1405.5	1407.6	1407.6	1405.5	1406.5	1408.6	1412.7	1413.7	1417.7	1419.8
20°	1372.9	1369.8	1370.9	1370.9	1370.9	1371.9	1373.9	1379.0	1383.1	1388.2	1391.2
22.5°	1335.2	1332.1	1331.1	1331.1	1332.1	1333.2	1333.2	1342.3	1347.4	1350.5	1354.6
25°	1292.4	1289.3	1289.3	1292.4	1291.4	1293.4	1296.5	1304.6	1308.7	1305.6	1312.8
27.5°	1249.6	1247.5	1245.5	1247.5	1249.6	1251.6	1256.7	1262.8	1262.8	1264.9	1270.0
30°	1204.7	1199.6	1199.6	1202.7	1205.7	1209.8	1213.9	1217.0	1215.9	1219.0	1226.1
32.5°	1156.8	1154.8	1152.7	1155.8	1160.9	1164.0	1166.0	1166.0	1167.0	1172.1	1179.2
35°	1089.6	1088.5	1092.6	1101.8	1109.9	1115.0	1114.0	1114.0	1117.1	1123.2	1132.4
37.5°	1040.6	1039.6	1039.6	1044.7	1046.7	1049.8	1051.8	1061.0	1068.2	1077.3	1082.4
40°	990.7	989.7	988.7	994.8	996.8	996.8	998.8	1002.9	1012.1	1028.4	1029.4
42.5°	937.7	938.7	937.7	942.8	944.8	946.9	947.9	950.9	957.1	967.2	978.5
45°	885.7	886.7	885.7	890.8	892.8	893.9	895.9	899.0	904.1	913.2	918.3
47.5°	834.7	834.7	832.7	838.8	840.9	842.9	843.9	846.0	854.1	860.2	865.3
50°	783.8	781.7	779.7	785.8	787.9	789.9	791.9	795.0	797.0	807.2	810.3
52.5°	729.8	728.7	727.7	732.8	734.9	735.9	738.9	742.0	746.1	755.2	758.3
55°	675.7	675.7	673.7	678.8	679.8	682.9	684.9	689.0	691.0	700.2	702.2
57.5°	622.7	622.7	619.7	624.8	625.8	628.9	630.9	634.0	637.0	643.1	648.2
60°	568.7	565.7	565.7	569.7	571.8	574.8	576.9	579.9	582.0	588.1	592.2
62.5°	513.7	514.7	514.7	515.7	520.8	519.8	519.8	525.9	528.0	532.0	539.2
65°	459.7	458.7	458.7	461.7	463.7	464.8	464.8	471.9	473.9	477.0	481.1
67.5°	405.7	406.7	406.7	406.7	411.8	410.7	410.7	416.9	418.9	422.0	424.0
70°	351.6	352.7	353.7	352.7	357.7	355.7	358.8	361.8	363.9	367.9	371.0
72.5°	297.6	298.6	299.7	299.7	303.7	301.7	304.7	307.8	312.9	313.9	316.0
75°	242.6	243.6	244.6	244.6	247.7	245.6	248.7	251.7	253.8	257.9	260.9
77.5°	189.6	190.6	192.6	192.6	194.7	192.6	195.7	199.8	201.8	203.8	207.9
80°	137.6	138.6	140.7	140.7	143.7	141.7	143.7	146.8	149.8	152.9	154.9
82.5°	87.7	88.7	89.7	90.7	93.8	93.8	93.8	96.8	100.9	100.9	104.0
85°	40.8	41.8	42.8	42.8	45.9	45.9	45.9	48.9	51.0	53.0	55.0
87.5°	5.1	6.1	6.1	6.1	7.1	7.1	7.1	8.2	9.2	10.2	12.2
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
95°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
97.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.1	5.1	5.1	6.1
100°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.1	7.1	8.2	9.2
102.5°	8.2	8.2	8.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	15.3
105°	11.2	11.2	11.2	12.2	12.2	13.2	13.2	14.3	17.3	20.4	28.5
107.5°	16.3	16.3	16.3	17.3	18.3	19.4	20.4	24.5	30.6	42.8	66.2
110°	24.5	24.5	25.5	27.5	31.6	34.7	37.7	52.0	73.4	107.0	147.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	48.9	49.9	54.0	60.1	75.4	82.6	94.8	131.5	169.2	204.9	222.2
115°	125.4	128.4	132.5	152.9	183.5	194.7	211.0	245.6	259.9	264.0	259.9
117.5°	260.9	265.0	266.0	284.4	291.5	294.6	298.6	302.7	297.6	291.5	283.3
120°	336.3	338.4	335.3	333.3	335.3	332.3	330.2	325.1	317.0	311.9	303.7
122.5°	361.8	362.8	358.8	355.7	353.7	352.7	349.6	341.4	332.3	328.2	319.0
125°	377.1	377.1	375.1	370.0	367.9	366.9	363.9	357.7	348.6	341.4	334.3
127.5°	390.4	390.4	386.3	382.2	380.2	379.2	373.0	367.9	362.8	353.7	345.5
130°	400.6	399.5	396.5	392.4	391.4	388.3	386.3	379.2	374.1	367.9	357.7
132.5°	407.7	408.7	404.6	404.6	402.6	396.5	395.5	389.3	383.2	376.1	369.0
135°	413.8	416.9	413.8	412.8	409.7	404.6	401.6	397.5	391.4	384.2	377.1
137.5°	422.0	419.9	420.9	418.9	416.9	412.8	409.7	407.7	400.6	394.4	386.3
140°	427.1	427.1	427.1	425.0	420.9	419.9	419.9	412.8	411.8	404.6	395.5
142.5°	433.2	432.2	431.1	428.1	429.1	426.0	422.0	422.0	415.8	410.7	405.7
145°	436.2	437.2	432.2	435.2	431.1	430.1	426.0	426.0	422.0	413.8	409.7
147.5°	441.3	440.3	437.2	438.3	435.2	434.2	431.1	429.1	423.0	418.9	413.8
150°	444.4	440.3	442.3	442.3	435.2	435.2	434.2	433.2	428.1	424.0	417.9
152.5°	446.4	444.4	443.4	444.4	438.3	438.3	437.2	433.2	431.1	426.0	422.0
155°	447.4	444.4	444.4	444.4	441.3	439.3	437.2	434.2	432.2	427.1	423.0
157.5°	446.4	446.4	443.4	444.4	443.4	440.3	435.2	435.2	435.2	430.1	424.0
160°	442.3	444.4	444.4	444.4	443.4	442.3	436.2	437.2	434.2	432.2	426.0
162.5°	448.5	444.4	444.4	443.4	442.3	441.3	439.3	439.3	436.2	432.2	429.1
165°	444.4	444.4	444.4	439.3	441.3	439.3	437.2	437.2	435.2	430.1	430.1
167.5°	440.3	439.3	438.3	436.2	437.2	434.2	433.2	434.2	431.1	430.1	427.1
170°	435.2	435.2	433.2	433.2	432.2	431.1	432.2	432.2	429.1	430.1	425.0
172.5°	429.1	431.1	430.1	429.1	427.1	427.1	426.0	425.0	424.0	426.0	422.0
175°	423.0	423.0	423.0	423.0	423.0	423.0	422.0	424.0	420.9	420.9	417.9
177.5°	409.7	413.8	411.8	416.9	417.9	416.9	417.9	416.9	413.8	416.9	410.7
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7
2.5°	1513.6	1514.6	1514.6	1515.6	1516.6	1515.6	1515.6	1522.7	1528.8	1532.9	1528.8
5°	1505.4	1505.4	1505.4	1506.4	1507.4	1506.4	1506.4	1513.6	1519.7	1522.7	1519.7
7.5°	1493.2	1493.2	1493.2	1494.2	1495.2	1495.2	1495.2	1502.3	1508.5	1511.5	1507.4
10°	1476.9	1477.9	1477.9	1478.9	1480.9	1480.9	1482.0	1488.1	1494.2	1498.3	1494.2
12.5°	1457.5	1459.5	1460.6	1462.6	1463.6	1464.6	1465.7	1472.8	1477.9	1483.0	1478.9
15°	1437.1	1439.2	1441.2	1443.2	1444.2	1445.3	1445.3	1452.4	1457.5	1461.6	1457.5
17.5°	1412.7	1414.7	1413.7	1414.7	1414.7	1414.7	1414.7	1419.8	1425.9	1431.0	1425.9
20°	1379.0	1380.0	1379.0	1379.0	1380.0	1381.1	1380.0	1387.2	1392.3	1397.4	1392.3
22.5°	1342.3	1341.3	1341.3	1343.3	1343.3	1346.4	1346.4	1352.5	1357.6	1361.7	1358.6
25°	1301.6	1302.6	1303.6	1304.6	1306.7	1308.7	1310.7	1316.8	1323.0	1326.0	1323.0
27.5°	1261.8	1261.8	1262.8	1266.9	1267.9	1272.0	1274.0	1280.2	1285.2	1290.3	1286.3
30°	1221.0	1221.0	1225.1	1227.2	1228.2	1230.2	1229.2	1236.3	1240.4	1245.5	1244.5
32.5°	1179.2	1179.2	1179.2	1180.3	1181.3	1184.3	1183.3	1191.5	1197.6	1199.6	1198.6
35°	1133.4	1128.3	1130.3	1133.4	1134.4	1137.5	1139.5	1143.6	1150.7	1152.7	1151.7
37.5°	1084.5	1081.4	1083.4	1086.5	1087.5	1089.6	1091.6	1096.7	1100.8	1105.9	1104.8
40°	1036.6	1033.5	1034.5	1038.6	1040.6	1042.7	1043.7	1047.8	1051.8	1056.9	1055.9
42.5°	985.6	984.6	984.6	988.7	990.7	990.7	993.7	996.8	999.9	1007.0	1005.0
45°	932.6	932.6	932.6	936.7	938.7	938.7	942.8	944.8	949.9	953.0	952.0
47.5°	871.4	881.6	882.7	885.7	884.7	885.7	890.8	890.8	895.9	897.9	897.9
50°	815.4	823.5	828.6	831.7	832.7	832.7	838.8	838.8	840.9	842.9	846.0
52.5°	761.4	764.4	775.6	778.7	782.8	778.7	784.8	784.8	787.9	789.9	790.9
55°	706.3	709.4	714.5	721.6	723.7	724.7	729.8	730.8	732.8	734.9	734.9
57.5°	652.3	654.3	659.4	668.6	669.6	673.7	675.7	675.7	677.8	678.8	680.8
60°	598.3	600.3	604.4	607.5	613.6	615.6	620.7	621.7	623.8	624.8	624.8
62.5°	543.2	545.3	549.4	554.5	557.5	561.6	562.6	563.6	565.7	568.7	568.7
65°	488.2	490.2	494.3	499.4	499.4	500.4	507.6	508.6	510.6	511.7	514.7
67.5°	431.1	434.2	439.3	443.4	443.4	447.4	452.5	453.6	455.6	457.6	458.7
70°	375.1	378.1	383.2	388.3	390.4	391.4	394.4	397.5	400.6	401.6	402.6
72.5°	320.0	323.1	327.2	333.3	334.3	336.3	338.4	341.4	345.5	347.6	347.6
75°	264.0	267.0	272.1	278.2	280.3	279.3	283.3	285.4	289.5	291.5	291.5
77.5°	210.0	212.0	217.1	221.2	223.2	225.2	225.2	227.3	231.4	234.4	233.4
80°	158.0	160.0	164.1	168.2	169.2	172.2	172.2	174.3	177.3	182.4	179.4
82.5°	110.1	109.1	113.1	117.2	118.2	121.3	123.3	123.3	125.4	129.4	127.4
85°	60.1	61.2	64.2	68.3	70.3	71.3	74.4	74.4	76.4	77.5	80.5
87.5°	16.3	16.3	20.4	23.4	25.5	26.5	29.6	29.6	31.6	34.7	32.6
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°	2.0	2.0	2.0	2.0	3.1	3.1	4.1	5.1	5.1	4.1	5.1
95°	4.1	4.1	5.1	6.1	7.1	8.2	11.2	13.2	11.2	9.2	9.2
97.5°	6.1	7.1	10.2	14.3	16.3	20.4	25.5	23.4	20.4	17.3	16.3
100°	11.2	14.3	19.4	30.6	35.7	40.8	43.8	38.7	32.6	26.5	24.5
102.5°	19.4	28.5	45.9	62.2	66.2	68.3	65.2	58.1	48.9	39.7	34.7
105°	41.8	64.2	90.7	99.9	98.9	97.8	88.7	77.5	66.2	55.0	46.9
107.5°	100.9	127.4	137.6	135.6	130.5	125.4	113.1	99.9	85.6	71.3	62.2
110°	174.3	177.3	174.3	164.1	155.9	149.8	136.6	123.3	106.0	90.7	79.5



TEST NUMBER: P303098

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	222.2	212.0	200.8	188.6	180.4	173.3	158.0	142.7	126.4	111.1	98.9
115°	249.7	239.5	225.2	208.9	201.8	195.7	179.4	162.1	145.7	130.5	118.2
117.5°	272.1	258.9	245.6	231.4	224.2	216.1	200.8	184.5	166.1	149.8	138.6
120°	292.5	277.2	264.0	248.7	244.6	236.5	221.2	202.8	184.5	170.2	157.0
122.5°	307.8	294.6	280.3	268.1	260.9	254.8	237.5	221.2	203.8	188.6	176.3
125°	322.1	308.8	295.6	282.3	277.2	270.1	252.8	238.5	222.2	205.9	194.7
127.5°	336.3	321.1	310.9	301.7	292.5	283.3	268.1	254.8	239.5	226.3	213.0
130°	348.6	336.3	324.1	311.9	304.7	298.6	284.4	270.1	257.9	244.6	232.4
132.5°	356.7	347.6	335.3	326.2	316.0	310.9	296.6	284.4	271.1	259.9	247.7
135°	366.9	358.8	345.5	335.3	331.2	324.1	308.8	297.6	286.4	276.2	263.0
137.5°	377.1	367.9	357.7	346.5	340.4	335.3	321.1	312.9	300.7	289.5	279.3
140°	387.3	375.1	367.9	355.7	349.6	346.5	334.3	322.1	313.9	303.7	293.5
142.5°	393.4	383.2	374.1	364.9	360.8	355.7	344.5	331.2	325.1	317.0	305.8
145°	399.5	391.4	380.2	371.0	367.9	363.9	353.7	345.5	337.4	325.1	318.0
147.5°	405.7	396.5	389.3	380.2	374.1	373.0	362.8	354.7	345.5	339.4	329.2
150°	408.7	399.5	394.4	385.3	380.2	380.2	372.0	361.8	357.7	350.6	340.4
152.5°	412.8	406.7	400.6	394.4	388.3	387.3	380.2	373.0	364.9	357.7	351.6
155°	416.9	411.8	406.7	398.5	394.4	393.4	386.3	380.2	374.1	367.9	360.8
157.5°	418.9	410.7	407.7	402.6	399.5	396.5	389.3	384.2	382.2	375.1	366.9
160°	419.9	413.8	409.7	404.6	405.7	400.6	395.5	393.4	388.3	383.2	377.1
162.5°	420.9	418.9	412.8	408.7	407.7	403.6	400.6	397.5	394.4	390.4	385.3
165°	423.0	420.9	416.9	408.7	409.7	406.7	405.7	399.5	400.6	397.5	388.3
167.5°	422.0	418.9	414.8	414.8	409.7	409.7	406.7	405.7	402.6	399.5	393.4
170°	420.9	418.9	413.8	412.8	413.8	410.7	407.7	407.7	405.7	403.6	401.6
172.5°	417.9	415.8	412.8	415.8	412.8	410.7	408.7	404.6	408.7	404.6	400.6
175°	413.8	413.8	410.7	409.7	410.7	408.7	409.7	408.7	406.7	406.7	405.7
177.5°	410.7	411.8	407.7	408.7	409.7	407.7	409.7	409.7	410.7	407.7	409.7
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7



TEST NUMBER: P303098

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7
2.5°	1524.8	1518.7	1516.6	1516.6	1515.6	1511.5	1510.5	1510.5	1517.6	1526.8	1516.6
5°	1514.6	1508.5	1506.4	1507.4	1506.4	1502.3	1502.3	1502.3	1510.5	1519.7	1509.5
7.5°	1503.4	1497.2	1495.2	1495.2	1494.2	1490.1	1490.1	1490.1	1498.3	1505.4	1497.2
10°	1489.1	1483.0	1480.9	1480.9	1478.9	1474.8	1473.8	1474.8	1483.0	1488.1	1479.9
12.5°	1473.8	1466.7	1464.6	1463.6	1461.6	1457.5	1455.5	1455.5	1464.6	1468.7	1459.5
15°	1453.4	1447.3	1444.2	1445.3	1443.2	1438.1	1437.1	1435.1	1443.2	1444.2	1438.1
17.5°	1422.8	1416.7	1415.7	1416.7	1414.7	1410.6	1411.6	1410.6	1419.8	1416.7	1410.6
20°	1388.2	1382.1	1381.1	1382.1	1379.0	1378.0	1380.0	1381.1	1392.3	1387.2	1380.0
22.5°	1353.5	1346.4	1346.4	1345.4	1342.3	1340.3	1341.3	1343.3	1357.6	1352.5	1347.4
25°	1316.8	1310.7	1309.7	1308.7	1305.6	1302.6	1301.6	1301.6	1315.8	1309.7	1310.7
27.5°	1283.2	1274.0	1271.0	1270.0	1266.9	1262.8	1261.8	1261.8	1273.0	1265.9	1270.0
30°	1239.4	1232.2	1231.2	1231.2	1228.2	1224.1	1221.0	1222.1	1230.2	1219.0	1221.0
32.5°	1194.5	1186.4	1187.4	1185.4	1182.3	1182.3	1180.3	1180.3	1184.3	1172.1	1174.2
35°	1147.7	1141.5	1140.5	1138.5	1134.4	1132.4	1133.4	1137.5	1137.5	1125.2	1125.2
37.5°	1099.7	1092.6	1093.6	1090.6	1087.5	1085.5	1085.5	1090.6	1091.6	1079.4	1077.3
40°	1051.8	1045.7	1043.7	1043.7	1040.6	1038.6	1037.6	1043.7	1037.6	1034.5	1026.4
42.5°	1000.9	994.8	992.7	992.7	991.7	990.7	989.7	993.7	986.6	978.5	969.3
45°	948.9	946.9	943.8	940.7	939.7	939.7	940.7	940.7	929.5	920.4	918.3
47.5°	894.9	894.9	890.8	889.8	889.8	888.8	888.8	883.7	875.5	869.4	866.3
50°	842.9	840.9	836.8	837.8	837.8	835.8	833.7	824.6	821.5	816.4	813.3
52.5°	789.9	790.9	783.8	785.8	784.8	780.7	775.6	771.6	768.5	763.4	760.3
55°	733.8	731.8	729.8	733.8	731.8	723.7	719.6	717.5	714.5	709.4	707.3
57.5°	680.8	681.9	676.8	677.8	674.7	667.6	667.6	664.5	662.5	655.4	653.3
60°	624.8	620.7	622.7	624.8	615.6	612.6	613.6	610.5	608.5	601.3	599.3
62.5°	568.7	568.7	568.7	563.6	561.6	558.5	559.6	556.5	552.4	547.3	546.3
65°	514.7	512.7	508.6	508.6	506.6	504.5	505.5	503.5	496.4	493.3	492.3
67.5°	459.7	455.6	453.6	454.6	451.5	449.5	450.5	448.5	442.3	438.3	438.3
70°	405.7	397.5	398.5	398.5	396.5	393.4	394.4	390.4	387.3	387.3	384.2
72.5°	348.6	345.5	343.5	342.5	341.4	338.4	338.4	335.3	334.3	333.3	331.2
75°	292.5	288.4	288.4	288.4	286.4	284.4	284.4	280.3	278.2	280.3	277.2
77.5°	234.4	232.4	232.4	232.4	229.3	228.3	229.3	225.2	226.3	224.2	222.2
80°	181.4	179.4	179.4	178.4	179.4	175.3	176.3	173.3	173.3	172.2	170.2
82.5°	130.5	128.4	127.4	126.4	125.4	124.3	125.4	124.3	122.3	120.3	118.2
85°	81.5	78.5	78.5	78.5	78.5	75.4	75.4	73.4	70.3	69.3	67.3
87.5°	35.7	33.6	31.6	30.6	31.6	28.5	29.6	28.5	26.5	25.5	23.4
90°	1.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1
92.5°	6.1	8.2	8.2	8.2	8.2	9.2	9.2	9.2	8.2	8.2	9.2
95°	11.2	13.2	15.3	16.3	16.3	17.3	17.3	16.3	16.3	16.3	16.3
97.5°	16.3	18.3	19.4	20.4	21.4	23.4	24.5	25.5	25.5	25.5	25.5
100°	23.4	23.4	25.5	27.5	27.5	27.5	29.6	30.6	32.6	33.6	33.6
102.5°	31.6	30.6	30.6	31.6	33.6	35.7	34.7	34.7	36.7	37.7	39.7
105°	42.8	39.7	38.7	37.7	38.7	40.8	42.8	42.8	41.8	41.8	42.8
107.5°	56.1	51.0	47.9	46.9	45.9	46.9	47.9	49.9	51.0	51.0	49.9
110°	71.3	63.2	59.1	57.1	55.0	54.0	54.0	56.1	57.1	59.1	60.1



TEST NUMBER: P303098

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	88.7	78.5	72.4	69.3	66.2	64.2	62.2	62.2	63.2	65.2	67.3
115°	107.0	95.8	87.7	83.6	79.5	74.4	72.4	70.3	69.3	71.3	72.4
117.5°	126.4	115.2	104.0	98.9	94.8	88.7	82.6	80.5	78.5	76.4	77.5
120°	144.7	133.5	121.3	117.2	112.1	104.0	95.8	90.7	88.7	86.6	84.6
122.5°	165.1	152.9	139.6	134.5	130.5	120.3	112.1	105.0	99.9	96.8	93.8
125°	183.5	171.2	159.0	153.9	147.8	138.6	129.4	121.3	114.2	109.1	104.0
127.5°	200.8	189.6	177.3	172.2	168.2	155.9	147.8	138.6	131.5	125.4	119.2
130°	222.2	204.9	195.7	190.6	185.5	176.3	165.1	157.0	149.8	142.7	135.6
132.5°	237.5	226.3	211.0	207.9	202.8	192.6	184.5	175.3	168.2	160.0	152.9
135°	251.7	241.6	232.4	225.2	222.2	210.0	201.8	193.7	185.5	179.4	172.2
137.5°	268.1	256.8	245.6	243.6	237.5	229.3	222.2	212.0	204.9	196.7	190.6
140°	283.3	272.1	264.0	255.8	252.8	246.7	239.5	232.4	224.2	216.1	208.9
142.5°	297.6	286.4	277.2	273.2	268.1	260.9	253.8	248.7	242.6	236.5	229.3
145°	309.8	298.6	291.5	287.4	283.3	275.2	269.1	265.0	258.9	251.7	245.6
147.5°	320.0	311.9	303.7	301.7	293.5	288.4	284.4	278.2	276.2	268.1	264.0
150°	331.2	324.1	318.0	312.9	309.8	301.7	297.6	294.6	289.5	284.4	279.3
152.5°	341.4	335.3	328.2	326.2	322.1	314.9	309.8	304.7	302.7	297.6	292.5
155°	351.6	345.5	339.4	336.3	334.3	329.2	321.1	318.0	316.0	312.9	308.8
157.5°	360.8	353.7	348.6	347.6	342.5	338.4	335.3	330.2	329.2	323.1	321.1
160°	369.0	364.9	357.7	354.7	355.7	349.6	344.5	339.4	343.5	335.3	334.3
162.5°	377.1	372.0	370.0	365.9	364.9	361.8	357.7	352.7	349.6	351.6	344.5
165°	386.3	381.2	377.1	375.1	373.0	365.9	364.9	361.8	362.8	361.8	359.8
167.5°	390.4	386.3	385.3	381.2	381.2	379.2	375.1	371.0	372.0	372.0	366.9
170°	395.5	391.4	389.3	387.3	387.3	382.2	382.2	379.2	383.2	381.2	377.1
172.5°	400.6	396.5	394.4	395.5	392.4	391.4	388.3	386.3	388.3	390.4	388.3
175°	403.6	399.5	399.5	398.5	395.5	395.5	395.5	393.4	394.4	394.4	391.4
177.5°	406.7	403.6	399.5	402.6	402.6	399.5	397.5	400.6	399.5	405.7	400.6
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7



TEST NUMBER: P303098

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7	1519.7
2.5°	1520.7	1518.7	1517.6	1514.6	1513.6	1510.5	1508.5	1510.5
5°	1512.5	1510.5	1509.5	1507.4	1507.4	1507.4	1507.4	1510.5
7.5°	1499.3	1497.2	1498.3	1496.2	1497.2	1498.3	1498.3	1499.3
10°	1483.0	1480.9	1479.9	1477.9	1478.9	1478.9	1478.9	1482.0
12.5°	1460.6	1458.5	1457.5	1455.5	1457.5	1459.5	1460.6	1461.6
15°	1438.1	1436.1	1435.1	1433.0	1435.1	1437.1	1436.1	1439.2
17.5°	1410.6	1408.6	1406.5	1404.5	1405.5	1406.5	1406.5	1407.6
20°	1377.0	1373.9	1371.9	1369.8	1370.9	1370.9	1372.9	1373.9
22.5°	1339.3	1336.2	1334.2	1333.2	1332.1	1332.1	1336.2	1337.2
25°	1304.6	1296.5	1295.4	1294.4	1293.4	1292.4	1295.4	1296.5
27.5°	1264.9	1257.7	1254.7	1252.6	1251.6	1249.6	1251.6	1257.7
30°	1221.0	1215.9	1212.9	1208.8	1208.8	1205.7	1208.8	1208.8
32.5°	1172.1	1171.1	1168.0	1167.0	1162.9	1159.9	1161.9	1168.0
35°	1121.2	1122.2	1122.2	1120.1	1114.0	1109.9	1111.0	1117.1
37.5°	1071.2	1067.1	1068.2	1064.1	1054.9	1050.8	1050.8	1053.9
40°	1012.1	1007.0	1008.0	1006.0	1002.9	1000.9	1001.9	999.9
42.5°	962.2	957.1	959.1	956.0	953.0	949.9	952.0	950.9
45°	911.2	906.1	905.1	907.1	902.0	902.0	901.0	902.0
47.5°	859.2	855.1	856.2	856.2	851.1	851.1	850.0	853.1
50°	807.2	804.2	804.2	802.1	800.1	799.1	799.1	800.1
52.5°	757.3	752.2	751.2	753.2	747.1	748.1	748.1	747.1
55°	702.2	699.2	699.2	700.2	695.1	696.1	696.1	695.1
57.5°	652.3	647.2	647.2	648.2	645.2	644.2	643.1	644.2
60°	599.3	594.2	594.2	595.2	589.1	591.2	591.2	592.2
62.5°	546.3	544.3	540.2	539.2	539.2	538.2	539.2	538.2
65°	492.3	490.2	486.2	488.2	483.1	485.2	483.1	484.1
67.5°	438.3	436.2	433.2	434.2	430.1	432.2	432.2	432.2
70°	384.2	382.2	379.2	378.1	379.2	378.1	378.1	378.1
72.5°	330.2	329.2	325.1	325.1	326.2	325.1	323.1	324.1
75°	274.2	275.2	271.1	272.1	273.2	272.1	272.1	270.1
77.5°	219.1	220.2	219.1	217.1	218.1	218.1	217.1	216.1
80°	167.2	168.2	167.2	165.1	166.1	165.1	165.1	164.1
82.5°	115.2	116.2	114.2	112.1	113.1	112.1	111.1	110.1
85°	65.2	65.2	65.2	63.2	64.2	64.2	63.2	62.2
87.5°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	21.4
90°	4.1	5.1	4.1	4.1	4.1	4.1	4.1	4.1
92.5°	9.2	9.2	8.2	8.2	8.2	7.1	7.1	8.2
95°	16.3	17.3	16.3	16.3	16.3	16.3	16.3	16.3
97.5°	25.5	25.5	25.5	24.5	24.5	23.4	23.4	24.5
100°	34.7	34.7	34.7	34.7	34.7	33.6	33.6	34.7
102.5°	40.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
105°	44.8	45.9	45.9	45.9	46.9	46.9	46.9	46.9
107.5°	49.9	51.0	51.0	51.0	51.0	51.0	52.0	51.0
110°	60.1	59.1	58.1	58.1	58.1	57.1	58.1	58.1



TEST NUMBER: P303098

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	68.3	69.3	69.3	69.3	69.3	69.3	68.3	69.3
115°	74.4	75.4	75.4	76.4	76.4	76.4	77.5	77.5
117.5°	79.5	80.5	80.5	81.5	81.5	82.6	83.6	83.6
120°	84.6	85.6	85.6	85.6	86.6	86.6	86.6	87.7
122.5°	92.7	91.7	91.7	91.7	91.7	90.7	91.7	91.7
125°	102.9	100.9	99.9	99.9	98.9	97.8	97.8	97.8
127.5°	114.2	112.1	111.1	110.1	109.1	107.0	107.0	106.0
130°	129.4	125.4	124.3	122.3	119.2	118.2	118.2	117.2
132.5°	146.8	142.7	139.6	138.6	134.5	132.5	131.5	131.5
135°	166.1	161.0	159.0	157.0	152.9	149.8	149.8	147.8
137.5°	184.5	178.4	177.3	176.3	172.2	169.2	167.2	165.1
140°	201.8	197.7	194.7	194.7	190.6	186.5	185.5	183.5
142.5°	222.2	218.1	212.0	212.0	206.9	205.9	203.8	202.8
145°	239.5	235.4	233.4	233.4	227.3	226.3	223.2	224.2
147.5°	256.8	253.8	250.7	250.7	245.6	243.6	241.6	240.5
150°	274.2	270.1	268.1	268.1	264.0	260.9	259.9	258.9
152.5°	288.4	284.4	284.4	283.3	278.2	278.2	276.2	277.2
155°	303.7	299.7	300.7	298.6	295.6	293.5	292.5	292.5
157.5°	317.0	314.9	312.9	311.9	310.9	309.8	307.8	306.8
160°	331.2	329.2	327.2	326.2	326.2	324.1	322.1	324.1
162.5°	344.5	341.4	341.4	340.4	340.4	338.4	337.4	338.4
165°	355.7	353.7	353.7	353.7	351.6	353.7	350.6	350.6
167.5°	365.9	365.9	364.9	361.8	361.8	360.8	361.8	362.8
170°	375.1	376.1	374.1	373.0	373.0	373.0	373.0	373.0
172.5°	386.3	384.2	385.3	382.2	383.2	381.2	380.2	382.2
175°	393.4	392.4	392.4	392.4	389.3	390.4	388.3	387.3
177.5°	400.6	400.6	399.5	399.5	398.5	397.5	397.5	395.5
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7

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