

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: P303233

Luminaire Tested: **CTW-F-7525-50L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303233
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-7525-50L830-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

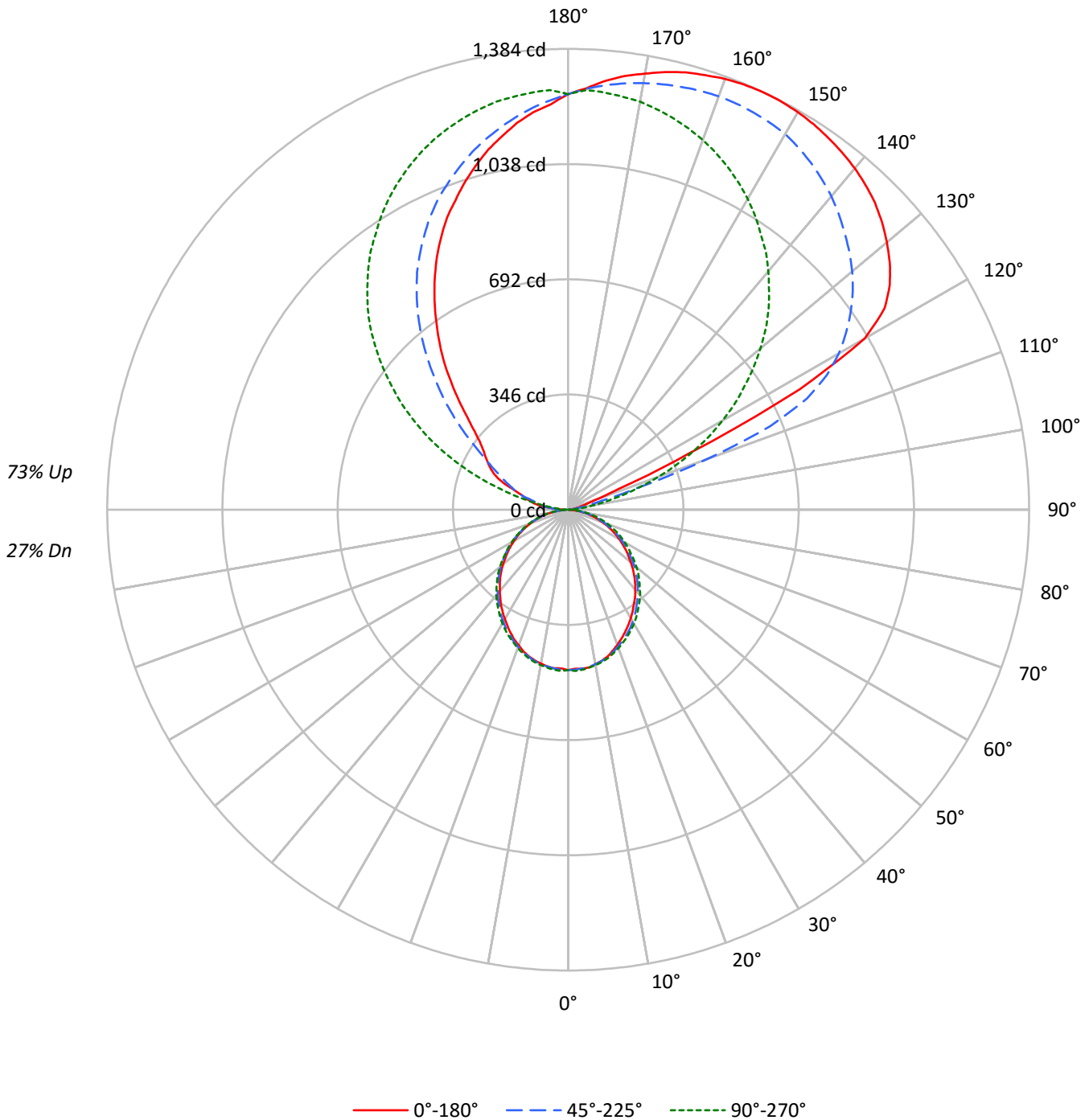
Lumens per Lamp: N/A
Luminaire Lumens: 4807.2 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	10370	10370	10370
5°	10369	10431	10327
10°	10300	10362	10257
15°	10179	10286	10159
20°	9890	10133	9936
25°	9615	9981	9708
30°	9347	9824	9441
35°	9046	9603	9225
40°	8810	9431	8970
45°	8549	9191	8783
50°	8179	8952	8534
55°	7938	8625	8302
60°	7617	8448	8073
65°	7300	8227	7834
70°	6842	7987	7566
75°	6321	7760	7195
80°	5244	7153	6558
85°	2841	6422	4989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	0.9
10°-20°	128.6	2.7
20°-30°	189.9	3.9
30°-40°	222.8	4.6
40°-50°	225.9	4.7
50°-60°	200.2	4.2
60°-70°	153.2	3.2
70°-80°	90.9	1.9
80°-90°	25.2	0.5
90°-100°	35.2	0.7
100°-110°	149.4	3.1
110°-120°	425.3	8.8
120°-130°	621.6	12.9
130°-140°	670.7	14.0
140°-150°	638.4	13.3
150°-160°	523.8	10.9
160°-170°	342.0	7.1
170°-180°	118.5	2.5
0°-30°	363.9	7.6
0°-40°	586.7	12.2
0°-60°	1012.8	21.1
0°-90°	1282.1	26.7
90°-120°	610.0	12.7
90°-150°	2540.7	52.9
90°-180°	3525.0	73.3
0°-180°	4807.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	482	482	482	482	482	
5°	480	479	483	479	478	46
15°	457	458	462	458	456	128
25°	405	414	420	414	409	186
35°	344	357	365	359	351	216
45°	281	292	302	296	288	216
55°	212	221	230	229	221	189
65°	143	151	162	159	154	142
75°	76	81	93	89	86	80
85°	12	17	26	23	20	16
90°	2	2	1	7	11	1
95°	9	11	26	48	46	9
105°	41	105	168	116	131	48
115°	402	791	414	214	240	467
125°	1179	1036	646	354	311	1044
135°	1303	1174	851	572	464	1005
145°	1362	1271	1009	793	690	855
155°	1384	1316	1135	976	903	639
165°	1360	1314	1217	1112	1070	385
175°	1293	1280	1258	1212	1198	125
180°	1248	1248	1248	1248	1248	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	477.9	477.9	478.8	480.8	480.8	480.8	481.7	482.7	481.7	483.7	480.8
5°	479.8	478.8	478.8	478.8	478.8	479.8	479.8	480.8	479.8	481.7	478.8
7.5°	477.9	476.9	476.9	476.0	475.0	475.0	476.0	476.9	476.0	477.9	476.0
10°	471.2	470.2	471.2	470.2	470.2	471.2	471.2	471.2	472.1	473.1	471.2
12.5°	464.4	464.4	463.5	463.5	463.5	463.5	464.4	465.4	465.4	466.3	465.4
15°	456.7	454.8	455.8	456.7	455.8	456.7	456.7	457.7	457.7	458.7	457.7
17.5°	444.2	444.2	445.2	446.2	446.2	446.2	447.1	447.1	448.1	449.0	448.1
20°	431.7	431.7	431.7	433.7	433.7	433.7	434.6	435.6	436.5	437.5	437.5
22.5°	418.3	418.3	418.3	420.2	420.2	420.2	422.1	423.1	424.0	425.0	426.0
25°	404.8	404.8	405.8	406.7	406.7	406.7	408.7	409.6	410.6	411.5	414.4
27.5°	390.4	390.4	391.3	392.3	393.3	394.2	395.2	396.2	398.1	399.0	401.9
30°	376.0	375.0	376.0	377.9	378.8	378.8	380.8	381.7	383.7	384.6	387.5
32.5°	360.6	359.6	360.6	362.5	363.5	363.5	365.4	366.3	368.3	369.2	373.1
35°	344.2	344.2	346.2	346.2	347.1	348.1	349.0	351.0	352.9	353.8	356.7
37.5°	329.8	328.8	330.8	330.8	331.7	332.7	333.7	335.6	337.5	339.4	341.3
40°	313.5	311.5	313.5	314.4	315.4	316.3	317.3	318.3	321.2	323.1	325.0
42.5°	297.1	295.2	297.1	298.1	300.0	300.0	300.0	301.9	304.8	306.7	308.7
45°	280.8	278.8	280.8	280.8	282.7	283.7	283.7	284.6	287.5	289.4	292.3
47.5°	263.5	263.5	264.4	265.4	266.3	266.3	267.3	268.3	270.2	274.0	275.0
50°	244.2	244.2	245.2	247.1	248.1	250.0	250.0	251.0	252.9	255.8	257.7
52.5°	227.9	226.9	227.9	228.8	229.8	230.8	230.8	231.7	233.7	236.5	238.5
55°	211.5	211.5	211.5	212.5	213.5	213.5	214.4	215.4	216.3	218.3	221.2
57.5°	194.2	194.2	195.2	195.2	196.2	196.2	197.1	198.1	199.0	201.0	203.8
60°	176.9	177.9	176.9	177.9	178.8	178.8	179.8	180.8	181.7	183.7	186.5
62.5°	160.6	160.6	160.6	160.6	161.5	161.5	162.5	163.5	165.4	166.3	168.3
65°	143.3	143.3	143.3	143.3	145.2	145.2	145.2	147.1	148.1	148.1	151.0
67.5°	126.0	126.9	126.0	126.9	127.9	127.9	127.9	129.8	130.8	131.7	132.7
70°	108.7	109.6	109.6	109.6	110.6	110.6	110.6	112.5	113.5	114.4	115.4
72.5°	92.3	92.3	93.3	93.3	93.3	93.3	94.2	95.2	96.2	97.1	98.1
75°	76.0	76.0	76.0	76.0	76.9	76.9	76.9	78.8	79.8	80.8	80.8
77.5°	58.7	59.6	58.7	58.7	59.6	59.6	60.6	61.5	62.5	64.4	65.4
80°	42.3	42.3	43.3	43.3	44.2	43.3	44.2	45.2	46.2	48.1	48.1
82.5°	26.9	26.9	26.9	27.9	27.9	28.8	28.8	28.8	29.8	31.7	32.7
85°	11.5	11.5	11.5	11.5	13.5	13.5	13.5	14.4	15.4	16.3	17.3
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
95°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.6	9.6	10.6
97.5°	13.5	13.5	13.5	13.5	13.5	14.4	14.4	15.4	16.3	17.3	19.2
100°	20.2	20.2	21.2	21.2	21.2	22.1	22.1	24.0	26.0	28.8	33.7
102.5°	29.8	28.8	29.8	29.8	30.8	31.7	32.7	35.6	39.4	46.2	56.7
105°	41.3	40.4	41.3	42.3	44.2	46.2	48.1	53.8	62.5	77.9	104.8
107.5°	58.7	57.7	59.6	62.5	66.3	71.2	76.0	86.5	113.5	156.7	221.2
110°	86.5	90.4	94.2	102.9	115.4	128.8	137.5	183.7	240.4	333.7	440.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	166.3	178.8	190.4	219.2	259.6	297.1	319.2	422.1	508.7	600.0	656.7
115°	401.9	431.7	441.3	514.4	576.0	626.9	649.0	733.7	771.2	789.4	791.3
117.5°	783.7	811.5	811.5	854.8	889.4	905.8	907.7	916.3	909.6	898.1	875.0
120°	1028.8	1030.8	1034.6	1033.7	1034.6	1032.7	1026.0	1013.5	990.4	966.3	938.5
122.5°	1126.9	1125.0	1122.1	1113.5	1103.8	1098.1	1087.5	1069.2	1046.2	1018.3	989.4
125°	1178.8	1176.0	1172.1	1163.5	1151.0	1146.2	1133.7	1113.5	1090.4	1063.5	1035.6
127.5°	1217.3	1214.4	1209.6	1201.9	1189.4	1183.7	1172.1	1151.0	1128.8	1104.8	1076.9
130°	1249.0	1246.2	1241.3	1236.5	1225.0	1217.3	1206.7	1185.6	1165.4	1140.4	1113.5
132.5°	1277.9	1274.0	1269.2	1265.4	1253.8	1248.1	1236.5	1217.3	1197.1	1173.1	1145.2
135°	1302.9	1298.1	1292.3	1288.5	1277.9	1271.2	1260.6	1243.3	1224.0	1201.0	1174.0
137.5°	1322.1	1317.3	1312.5	1306.7	1298.1	1288.5	1282.7	1267.3	1248.1	1226.9	1202.9
140°	1338.5	1334.6	1329.8	1326.0	1316.3	1306.7	1301.0	1287.5	1269.2	1251.0	1228.8
142.5°	1351.9	1349.0	1344.2	1339.4	1330.8	1322.1	1317.3	1304.8	1290.4	1271.2	1251.0
145°	1362.5	1359.6	1355.8	1351.9	1343.3	1336.5	1330.8	1322.1	1307.7	1288.5	1271.2
147.5°	1372.1	1369.2	1366.3	1362.5	1353.8	1349.0	1344.2	1334.6	1320.2	1302.9	1288.5
150°	1378.8	1376.0	1373.1	1370.2	1361.5	1356.7	1353.8	1344.2	1331.7	1314.4	1302.9
152.5°	1382.7	1379.8	1376.9	1375.0	1366.3	1361.5	1358.7	1350.0	1337.5	1322.1	1310.6
155°	1383.7	1381.7	1378.8	1376.0	1367.3	1361.5	1360.6	1351.9	1341.3	1326.9	1316.3
157.5°	1381.7	1378.8	1376.0	1373.1	1364.4	1360.6	1358.7	1351.9	1342.3	1330.8	1320.2
160°	1376.9	1374.0	1373.1	1369.2	1362.5	1359.6	1357.7	1351.9	1343.3	1332.7	1321.2
162.5°	1368.3	1367.3	1366.3	1363.5	1358.7	1355.8	1354.8	1349.0	1340.4	1331.7	1319.2
165°	1359.6	1357.7	1355.8	1352.9	1349.0	1347.1	1345.2	1341.3	1332.7	1326.9	1314.4
167.5°	1346.2	1343.3	1341.3	1338.5	1333.7	1334.6	1332.7	1330.8	1324.0	1321.2	1308.7
170°	1329.8	1328.8	1326.0	1324.0	1321.2	1322.1	1321.2	1319.2	1313.5	1311.5	1301.0
172.5°	1314.4	1311.5	1310.6	1308.7	1305.8	1304.8	1305.8	1303.8	1301.0	1301.9	1291.3
175°	1293.3	1290.4	1290.4	1288.5	1286.5	1287.5	1288.5	1289.4	1285.6	1289.4	1279.8
177.5°	1267.3	1265.4	1267.3	1269.2	1268.3	1270.2	1271.2	1272.1	1270.2	1274.0	1265.4
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	480.8	483.7	484.6	483.7
5°	476.9	477.9	476.9	477.9	477.9	477.9	477.9	479.8	481.7	482.7	481.7
7.5°	474.0	475.0	474.0	474.0	475.0	474.0	475.0	476.0	477.9	478.8	477.9
10°	469.2	469.2	469.2	470.2	470.2	470.2	470.2	472.1	474.0	474.0	473.1
12.5°	462.5	463.5	463.5	464.4	464.4	463.5	464.4	466.3	467.3	468.3	467.3
15°	455.8	455.8	455.8	456.7	456.7	456.7	456.7	458.7	460.6	461.5	460.6
17.5°	445.2	446.2	446.2	447.1	447.1	448.1	447.1	450.0	451.0	451.9	451.0
20°	435.6	435.6	436.5	436.5	437.5	437.5	437.5	439.4	441.3	442.3	441.3
22.5°	424.0	425.0	425.0	426.0	426.9	426.0	426.9	428.8	429.8	430.8	430.8
25°	411.5	412.5	412.5	414.4	414.4	414.4	414.4	416.3	418.3	420.2	419.2
27.5°	399.0	399.0	400.0	401.9	401.9	402.9	402.9	404.8	406.7	407.7	406.7
30°	385.6	385.6	386.5	387.5	388.5	388.5	389.4	391.3	393.3	395.2	393.3
32.5°	372.1	371.2	373.1	374.0	375.0	375.0	375.0	377.9	378.8	380.8	379.8
35°	356.7	355.8	357.7	358.7	359.6	359.6	361.5	362.5	364.4	365.4	364.4
37.5°	342.3	341.3	343.3	344.2	344.2	345.2	346.2	348.1	350.0	351.0	351.0
40°	326.9	326.0	326.9	328.8	328.8	329.8	330.8	331.7	332.7	335.6	334.6
42.5°	311.5	310.6	311.5	312.5	313.5	313.5	315.4	315.4	318.3	318.3	318.3
45°	293.3	294.2	295.2	297.1	297.1	296.2	298.1	299.0	301.9	301.9	301.0
47.5°	276.9	277.9	277.9	280.8	280.8	279.8	281.7	282.7	284.6	285.6	284.6
50°	259.6	260.6	261.5	263.5	263.5	263.5	264.4	266.3	267.3	267.3	267.3
52.5°	239.4	240.4	242.3	245.2	245.2	245.2	247.1	247.1	249.0	249.0	250.0
55°	222.1	223.1	225.0	226.9	226.9	227.9	228.8	229.8	230.8	229.8	230.8
57.5°	204.8	206.7	208.7	209.6	209.6	210.6	211.5	212.5	213.5	213.5	213.5
60°	187.5	188.5	189.4	192.3	192.3	193.3	194.2	195.2	195.2	196.2	196.2
62.5°	170.2	172.1	173.1	174.0	176.0	175.0	176.9	176.9	177.9	178.8	178.8
65°	151.9	152.9	154.8	156.7	156.7	157.7	159.6	159.6	160.6	161.5	161.5
67.5°	134.6	137.5	137.5	139.4	140.4	140.4	141.3	143.3	143.3	144.2	144.2
70°	116.3	119.2	120.2	121.2	122.1	123.1	124.0	125.0	126.0	126.9	126.9
72.5°	100.0	101.9	102.9	103.8	104.8	104.8	106.7	106.7	108.7	109.6	109.6
75°	81.7	83.7	84.6	86.5	87.5	88.5	89.4	89.4	91.3	93.3	92.3
77.5°	66.3	67.3	68.3	69.2	70.2	71.2	72.1	73.1	74.0	75.0	75.0
80°	50.0	51.0	51.0	52.9	53.8	54.8	55.8	56.7	56.7	57.7	58.7
82.5°	33.7	34.6	35.6	36.5	37.5	38.5	39.4	40.4	40.4	41.3	41.3
85°	18.3	19.2	20.2	21.2	22.1	23.1	24.0	25.0	25.0	26.0	26.0
87.5°	3.8	4.8	5.8	6.7	7.7	8.7	9.6	10.6	10.6	11.5	11.5
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0
92.5°	4.8	5.8	5.8	7.7	8.7	9.6	11.5	13.5	11.5	9.6	10.6
95°	11.5	14.4	17.3	23.1	26.9	30.8	36.5	36.5	29.8	26.0	24.0
97.5°	23.1	28.8	38.5	51.9	60.6	66.3	73.1	69.2	57.7	48.1	43.3
100°	41.3	55.8	74.0	103.8	116.3	123.1	125.0	114.4	95.2	79.8	69.2
102.5°	74.0	107.7	149.0	186.5	198.1	200.0	187.5	168.3	142.3	119.2	102.9
105°	147.1	212.5	264.4	296.2	300.0	293.3	264.4	233.7	199.0	168.3	143.3
107.5°	310.6	377.9	404.8	406.7	398.1	381.7	345.2	309.6	261.5	224.0	191.3
110°	514.4	537.5	526.0	502.9	485.6	459.6	417.3	377.9	326.9	287.5	248.1



TEST NUMBER: P303233

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	665.4	653.8	623.1	581.7	557.7	534.6	490.4	447.1	392.3	351.0	308.7
115°	768.3	737.5	698.1	651.9	625.0	603.8	559.6	507.7	455.8	413.5	369.2
117.5°	842.3	801.0	760.6	717.3	692.3	668.3	623.1	572.1	517.3	476.0	430.8
120°	899.0	859.6	817.3	776.0	750.0	729.8	684.6	630.8	578.8	533.7	493.3
122.5°	951.0	910.6	871.2	831.7	808.7	785.6	736.5	684.6	634.6	593.3	551.0
125°	998.1	957.7	920.2	882.7	857.7	833.7	785.6	737.5	689.4	646.2	608.7
127.5°	1041.3	1003.8	965.4	929.8	903.8	879.8	833.7	786.5	743.3	701.0	663.5
130°	1079.8	1046.2	1008.7	973.1	946.2	923.1	878.8	834.6	793.3	752.9	714.4
132.5°	1115.4	1083.7	1048.1	1009.6	983.7	963.5	922.1	879.8	842.3	804.8	765.4
135°	1149.0	1115.4	1080.8	1043.3	1019.2	1001.0	959.6	920.2	885.6	851.0	814.4
137.5°	1180.8	1142.3	1109.6	1073.1	1051.9	1034.6	997.1	960.6	927.9	892.3	859.6
140°	1204.8	1168.3	1134.6	1100.0	1082.7	1067.3	1030.8	997.1	967.3	934.6	902.9
142.5°	1226.0	1189.4	1159.6	1126.0	1109.6	1096.2	1062.5	1031.7	1004.8	975.0	943.3
145°	1242.3	1208.7	1181.7	1151.0	1136.5	1123.1	1090.4	1063.5	1038.5	1008.7	980.8
147.5°	1257.7	1226.9	1201.9	1173.1	1161.5	1148.1	1118.3	1094.2	1071.2	1045.2	1017.3
150°	1270.2	1243.3	1219.2	1193.3	1182.7	1170.2	1143.3	1121.2	1100.0	1077.9	1051.9
152.5°	1279.8	1256.7	1235.6	1211.5	1201.9	1190.4	1167.3	1148.1	1128.8	1107.7	1083.7
155°	1286.5	1268.3	1249.0	1228.8	1218.3	1209.6	1187.5	1171.2	1154.8	1134.6	1112.5
157.5°	1293.3	1276.9	1257.7	1240.4	1232.7	1223.1	1204.8	1191.3	1176.9	1159.6	1139.4
160°	1296.2	1282.7	1265.4	1251.0	1244.2	1236.5	1219.2	1208.7	1196.2	1181.7	1163.5
162.5°	1297.1	1285.6	1271.2	1259.6	1253.8	1247.1	1231.7	1223.1	1213.5	1201.0	1183.7
165°	1297.1	1287.5	1276.0	1266.3	1261.5	1255.8	1242.3	1235.6	1226.9	1217.3	1201.9
167.5°	1294.2	1286.5	1276.9	1269.2	1265.4	1259.6	1250.0	1246.2	1239.4	1231.7	1219.2
170°	1289.4	1283.7	1276.0	1271.2	1267.3	1262.5	1255.8	1252.9	1250.0	1244.2	1231.7
172.5°	1282.7	1277.9	1272.1	1269.2	1267.3	1263.5	1256.7	1257.7	1255.8	1251.0	1242.3
175°	1273.1	1270.2	1267.3	1265.4	1263.5	1260.6	1256.7	1258.7	1259.6	1257.7	1250.0
177.5°	1260.6	1259.6	1258.7	1258.7	1255.8	1255.8	1253.8	1257.7	1261.5	1261.5	1255.8
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P303233

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	481.7	479.8	478.8	478.8	478.8	477.9	477.9	478.8	480.8	483.7	480.8
5°	480.8	477.9	477.9	477.9	477.9	476.9	476.0	476.9	478.8	481.7	478.8
7.5°	476.9	475.0	474.0	474.0	474.0	473.1	473.1	473.1	475.0	477.9	475.0
10°	472.1	470.2	470.2	470.2	469.2	468.3	468.3	468.3	471.2	473.1	470.2
12.5°	466.3	464.4	464.4	463.5	463.5	462.5	461.5	462.5	465.4	466.3	464.4
15°	458.7	456.7	456.7	456.7	455.8	455.8	454.8	454.8	457.7	458.7	456.7
17.5°	450.0	448.1	447.1	448.1	447.1	446.2	446.2	446.2	448.1	449.0	446.2
20°	439.4	437.5	437.5	436.5	436.5	435.6	435.6	435.6	438.5	437.5	435.6
22.5°	428.8	426.9	426.9	426.0	426.0	425.0	424.0	424.0	427.9	425.0	424.0
25°	417.3	415.4	415.4	414.4	413.5	412.5	412.5	412.5	414.4	412.5	411.5
27.5°	405.8	403.8	403.8	402.9	401.9	400.0	400.0	400.0	402.9	400.0	400.0
30°	391.3	390.4	390.4	389.4	387.5	386.5	386.5	387.5	389.4	386.5	385.6
32.5°	377.9	376.0	376.0	376.0	374.0	373.1	373.1	374.0	375.0	372.1	371.2
35°	362.5	361.5	361.5	360.6	358.7	358.7	357.7	358.7	358.7	356.7	355.8
37.5°	348.1	347.1	346.2	346.2	344.2	344.2	344.2	345.2	344.2	342.3	341.3
40°	332.7	331.7	330.8	329.8	328.8	328.8	328.8	330.8	328.8	326.9	326.0
42.5°	317.3	316.3	315.4	314.4	313.5	313.5	313.5	314.4	312.5	311.5	310.6
45°	300.0	300.0	299.0	298.1	298.1	298.1	297.1	298.1	296.2	295.2	293.3
47.5°	283.7	283.7	282.7	282.7	281.7	281.7	281.7	281.7	279.8	279.8	277.9
50°	267.3	266.3	265.4	266.3	266.3	265.4	265.4	264.4	263.5	263.5	260.6
52.5°	249.0	250.0	247.1	248.1	249.0	247.1	247.1	246.2	246.2	244.2	242.3
55°	230.8	230.8	230.8	230.8	231.7	229.8	228.8	227.9	228.8	226.9	225.0
57.5°	213.5	213.5	213.5	213.5	214.4	212.5	211.5	212.5	211.5	209.6	208.7
60°	197.1	196.2	196.2	196.2	197.1	195.2	195.2	194.2	194.2	191.3	191.3
62.5°	179.8	178.8	179.8	178.8	179.8	178.8	176.9	177.9	176.9	175.0	174.0
65°	162.5	161.5	162.5	161.5	161.5	160.6	159.6	159.6	158.7	157.7	156.7
67.5°	145.2	144.2	144.2	144.2	145.2	143.3	144.2	142.3	141.3	141.3	139.4
70°	126.9	126.9	126.9	126.0	126.9	125.0	125.0	125.0	124.0	123.1	122.1
72.5°	110.6	109.6	109.6	108.7	109.6	108.7	107.7	107.7	106.7	106.7	105.8
75°	92.3	92.3	92.3	92.3	92.3	91.3	90.4	90.4	89.4	89.4	88.5
77.5°	75.0	75.0	75.0	75.0	75.0	75.0	73.1	73.1	73.1	73.1	71.2
80°	58.7	58.7	58.7	57.7	58.7	57.7	56.7	56.7	56.7	55.8	54.8
82.5°	42.3	42.3	42.3	41.3	42.3	41.3	41.3	40.4	39.4	39.4	37.5
85°	26.0	26.9	26.9	26.0	26.0	26.0	26.0	24.0	23.1	23.1	22.1
87.5°	11.5	11.5	11.5	10.6	10.6	10.6	9.6	9.6	8.7	8.7	8.7
90°	1.9	2.9	3.8	4.8	4.8	5.8	6.7	6.7	6.7	6.7	7.7
92.5°	15.4	20.2	21.2	23.1	22.1	23.1	23.1	22.1	23.1	21.2	22.1
95°	26.9	30.8	37.5	41.3	44.2	49.0	51.0	50.0	48.1	47.1	48.1
97.5°	42.3	46.2	49.0	50.0	51.9	58.7	65.4	70.2	74.0	76.0	77.9
100°	65.4	62.5	66.3	69.2	71.2	70.2	73.1	78.8	83.7	87.5	91.3
102.5°	94.2	86.5	83.7	85.6	88.5	94.2	94.2	93.3	95.2	98.1	103.8
105°	127.9	117.3	109.6	108.7	108.7	112.5	119.2	122.1	116.3	116.3	118.3
107.5°	169.2	151.9	140.4	136.5	135.6	133.7	138.5	146.2	151.0	150.0	144.2
110°	216.3	193.3	176.9	170.2	166.3	160.6	161.5	164.4	170.2	177.9	182.7



TEST NUMBER: P303233

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	272.1	243.3	218.3	209.6	200.0	192.3	186.5	187.5	190.4	196.2	202.9
115°	330.8	298.1	266.3	254.8	243.3	226.0	216.3	213.5	214.4	216.3	220.2
117.5°	390.4	354.8	319.2	304.8	291.3	271.2	252.9	243.3	239.4	238.5	242.3
120°	451.0	411.5	376.9	360.6	344.2	321.2	297.1	278.8	271.2	265.4	265.4
122.5°	510.6	472.1	433.7	417.3	399.0	372.1	346.2	323.1	307.7	296.2	291.3
125°	567.3	531.7	491.3	476.0	456.7	426.9	398.1	374.0	353.8	335.6	324.0
127.5°	623.1	588.5	548.1	532.7	515.4	483.7	456.7	427.9	406.7	383.7	366.3
130°	677.9	643.3	604.8	589.4	573.1	542.3	510.6	482.7	461.5	438.5	419.2
132.5°	729.8	695.2	660.6	643.3	626.9	598.1	567.3	539.4	516.3	494.2	476.0
135°	780.8	744.2	711.5	695.2	678.8	651.9	623.1	597.1	572.1	549.0	530.8
137.5°	826.9	793.3	761.5	745.2	729.8	703.8	678.8	654.8	629.8	605.8	585.6
140°	871.2	838.5	808.7	794.2	778.8	752.9	730.8	709.6	686.5	658.7	641.3
142.5°	913.5	880.8	854.8	840.4	824.0	801.9	779.8	760.6	741.3	717.3	697.1
145°	952.9	920.2	896.2	883.7	868.3	847.1	826.0	808.7	793.3	769.2	751.0
147.5°	990.4	960.6	937.5	924.0	911.5	891.3	871.2	854.8	844.2	820.2	802.9
150°	1026.9	996.2	976.0	963.5	951.0	932.7	914.4	899.0	889.4	869.2	852.9
152.5°	1059.6	1031.7	1013.5	1001.9	990.4	972.1	954.8	940.4	933.7	912.5	902.9
155°	1091.3	1064.4	1048.1	1038.5	1026.9	1006.7	993.3	978.8	976.0	957.7	944.2
157.5°	1119.2	1095.2	1078.8	1069.2	1059.6	1042.3	1028.8	1017.3	1014.4	998.1	985.6
160°	1143.3	1122.1	1107.7	1100.0	1091.3	1074.0	1061.5	1051.9	1048.1	1036.5	1025.0
162.5°	1167.3	1147.1	1134.6	1126.9	1120.2	1103.8	1093.3	1083.7	1080.8	1073.1	1061.5
165°	1187.5	1169.2	1157.7	1151.9	1146.2	1131.7	1122.1	1113.5	1112.5	1106.7	1094.2
167.5°	1205.8	1189.4	1179.8	1175.0	1169.2	1156.7	1149.0	1141.3	1140.4	1139.4	1126.0
170°	1220.2	1206.7	1198.1	1194.2	1190.4	1178.8	1172.1	1166.3	1166.3	1167.3	1155.8
172.5°	1232.7	1221.2	1215.4	1210.6	1208.7	1198.1	1193.3	1188.5	1190.4	1192.3	1181.7
175°	1242.3	1232.7	1226.9	1225.0	1223.1	1214.4	1211.5	1209.6	1212.5	1216.3	1205.8
177.5°	1251.0	1242.3	1239.4	1237.5	1236.5	1229.8	1228.8	1226.9	1230.8	1236.5	1227.9
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P303233

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	481.7	481.7	481.7	480.8	479.8	478.8	476.9	476.9
5°	479.8	479.8	478.8	478.8	477.9	477.9	476.9	477.9
7.5°	476.0	476.0	475.0	475.0	475.0	475.0	474.0	475.0
10°	471.2	471.2	469.2	469.2	469.2	469.2	469.2	469.2
12.5°	464.4	463.5	463.5	462.5	462.5	463.5	463.5	463.5
15°	456.7	456.7	455.8	454.8	455.8	455.8	455.8	455.8
17.5°	447.1	446.2	446.2	445.2	446.2	446.2	445.2	446.2
20°	435.6	434.6	434.6	433.7	434.6	433.7	433.7	433.7
22.5°	423.1	422.1	422.1	421.2	422.1	422.1	422.1	422.1
25°	410.6	409.6	408.7	408.7	408.7	408.7	408.7	408.7
27.5°	398.1	397.1	396.2	396.2	396.2	395.2	395.2	394.2
30°	383.7	383.7	381.7	381.7	381.7	380.8	380.8	379.8
32.5°	370.2	369.2	368.3	367.3	367.3	366.3	365.4	365.4
35°	354.8	353.8	352.9	351.9	351.9	351.0	350.0	351.0
37.5°	340.4	339.4	337.5	337.5	337.5	335.6	335.6	334.6
40°	324.0	322.1	322.1	322.1	321.2	320.2	320.2	319.2
42.5°	307.7	306.7	305.8	305.8	305.8	303.8	303.8	303.8
45°	292.3	291.3	291.3	289.4	289.4	287.5	287.5	288.5
47.5°	275.0	275.0	275.0	274.0	273.1	272.1	272.1	272.1
50°	258.7	258.7	256.7	256.7	256.7	255.8	254.8	254.8
52.5°	240.4	239.4	239.4	238.5	237.5	237.5	237.5	237.5
55°	223.1	223.1	223.1	222.1	221.2	221.2	220.2	221.2
57.5°	206.7	206.7	206.7	205.8	204.8	204.8	203.8	204.8
60°	190.4	189.4	189.4	188.5	187.5	188.5	187.5	187.5
62.5°	173.1	172.1	173.1	172.1	171.2	170.2	170.2	171.2
65°	156.7	155.8	155.8	154.8	153.8	153.8	153.8	153.8
67.5°	139.4	138.5	138.5	137.5	137.5	137.5	137.5	137.5
70°	122.1	121.2	121.2	120.2	120.2	120.2	120.2	120.2
72.5°	105.8	104.8	104.8	103.8	103.8	103.8	103.8	103.8
75°	88.5	87.5	87.5	87.5	87.5	86.5	86.5	86.5
77.5°	72.1	71.2	71.2	71.2	70.2	70.2	70.2	70.2
80°	55.8	54.8	54.8	54.8	53.8	53.8	53.8	52.9
82.5°	38.5	37.5	37.5	38.5	36.5	37.5	36.5	36.5
85°	22.1	21.2	21.2	21.2	21.2	21.2	21.2	20.2
87.5°	8.7	7.7	7.7	8.7	7.7	8.7	8.7	8.7
90°	7.7	7.7	8.7	8.7	9.6	9.6	10.6	10.6
92.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
95°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	46.2
97.5°	78.8	77.9	77.9	77.9	77.9	76.9	76.0	76.0
100°	94.2	97.1	98.1	99.0	100.0	101.0	101.9	101.0
102.5°	107.7	109.6	110.6	111.5	112.5	113.5	114.4	114.4
105°	120.2	121.2	122.1	124.0	126.9	129.8	130.8	130.8
107.5°	144.2	144.2	145.2	146.2	145.2	146.2	146.2	146.2
110°	182.7	176.9	176.0	174.0	171.2	172.1	172.1	172.1



TEST NUMBER: P303233

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	207.7	211.5	213.5	213.5	213.5	214.4	211.5	210.6
115°	226.9	230.8	232.7	233.7	236.5	239.4	240.4	240.4
117.5°	246.2	251.0	252.9	253.8	256.7	259.6	260.6	260.6
120°	267.3	269.2	271.2	271.2	274.0	276.0	276.9	276.9
122.5°	288.5	288.5	290.4	290.4	292.3	292.3	294.2	293.3
125°	316.3	312.5	313.5	310.6	311.5	311.5	311.5	310.6
127.5°	353.8	345.2	344.2	340.4	337.5	336.5	334.6	333.7
130°	401.0	387.5	383.7	378.8	374.0	371.2	365.4	366.3
132.5°	455.8	438.5	433.7	427.9	421.2	414.4	410.6	410.6
135°	512.5	495.2	489.4	482.7	475.0	467.3	463.5	463.5
137.5°	567.3	551.9	546.2	540.4	531.7	526.0	518.3	520.2
140°	625.0	607.7	601.9	596.2	590.4	579.8	576.9	579.8
142.5°	680.8	662.5	657.7	651.9	646.2	638.5	632.7	635.6
145°	735.6	717.3	712.5	706.7	701.9	691.3	690.4	690.4
147.5°	789.4	773.1	768.3	762.5	757.7	750.0	746.2	747.1
150°	840.4	826.0	821.2	815.4	810.6	801.0	798.1	801.0
152.5°	889.4	876.0	871.2	865.4	861.5	852.9	851.0	853.8
155°	934.6	921.2	917.3	911.5	908.7	901.9	901.9	902.9
157.5°	976.9	966.3	961.5	957.7	954.8	947.1	947.1	950.0
160°	1018.3	1008.7	1005.8	1000.0	997.1	991.3	990.4	989.4
162.5°	1057.7	1049.0	1045.2	1041.3	1038.5	1033.7	1031.7	1031.7
165°	1089.4	1083.7	1079.8	1077.9	1076.0	1072.1	1070.2	1070.2
167.5°	1124.0	1116.3	1113.5	1109.6	1108.7	1105.8	1104.8	1107.7
170°	1151.9	1148.1	1144.2	1141.3	1139.4	1137.5	1136.5	1139.4
172.5°	1179.8	1176.0	1174.0	1171.2	1170.2	1169.2	1169.2	1172.1
175°	1205.8	1202.9	1200.0	1197.1	1197.1	1195.2	1196.2	1198.1
177.5°	1228.8	1226.9	1226.0	1223.1	1221.2	1219.2	1218.3	1218.3
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1

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