

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: P303111

Luminaire Tested: **CTW-F-2575-50L930-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303111
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-8
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

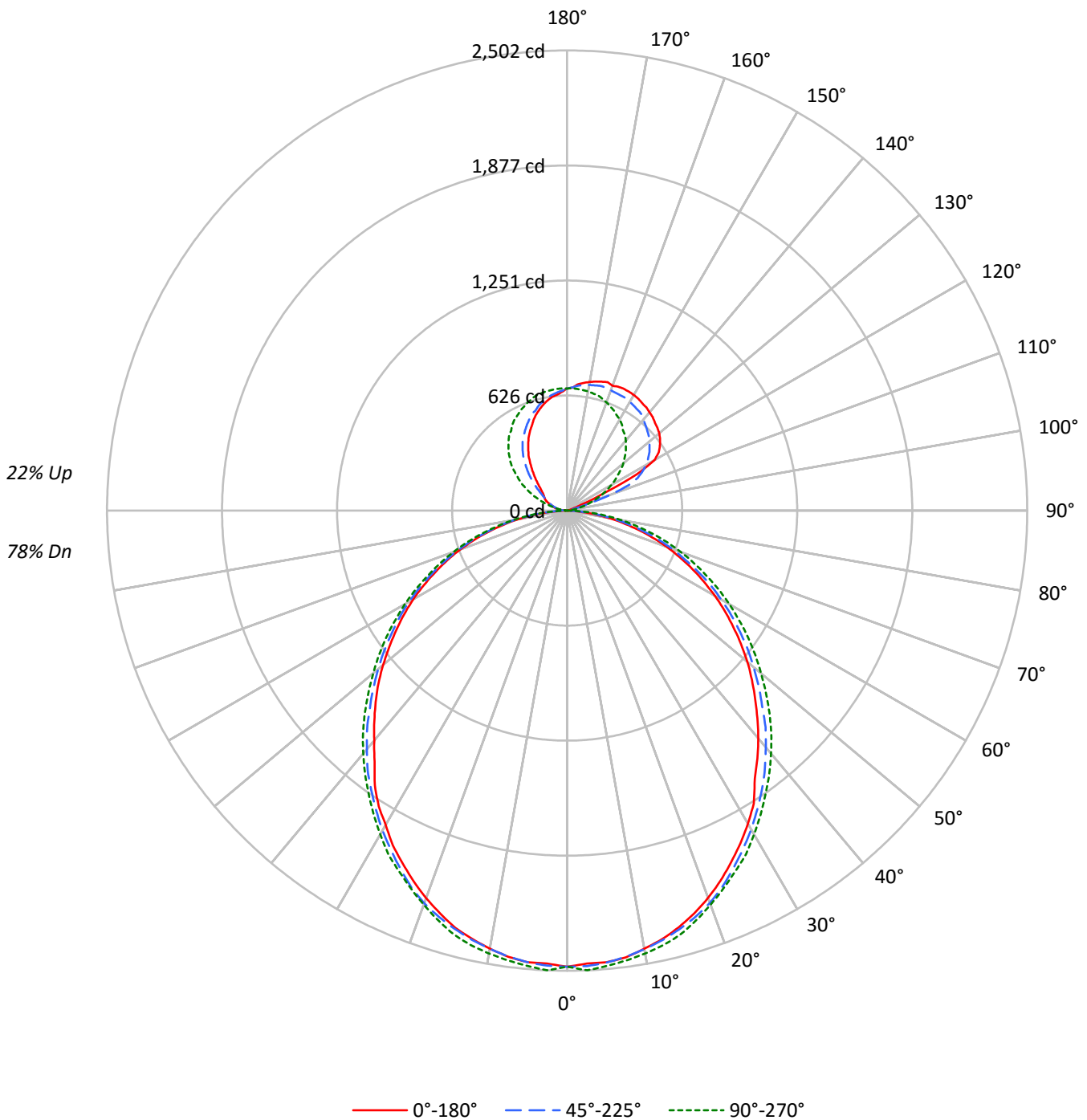
Lumens per Lamp: N/A
Luminaire Lumens: 8474.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 85.2
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°	26436	26727	26436
15°	26137	26582	26174
20°	25667	26124	25685
25°	25051	25703	25130
30°	24438	25265	24521
35°	23366	24722	23957
40°	22720	24238	22930
45°	22004	23676	22411
50°	21421	23037	21867
55°	20697	22508	21290
60°	19982	21952	20807
65°	19107	21270	20124
70°	18062	20626	19421
75°	16465	19784	18332
80°	13922	18460	16600
85°	8213	15611	12535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	2.8
10°-20°	662.7	7.8
20°-30°	981.0	11.6
30°-40°	1149.8	13.6
40°-50°	1161.3	13.7
50°-60°	1034.8	12.2
60°-70°	793.1	9.4
70°-80°	468.7	5.5
80°-90°	125.5	1.5
90°-100°	20.0	0.2
100°-110°	81.1	1.0
110°-120°	224.5	2.6
120°-130°	326.2	3.8
130°-140°	352.6	4.2
140°-150°	337.0	4.0
150°-160°	276.8	3.3
160°-170°	181.8	2.1
170°-180°	63.0	0.7
0°-30°	1877.6	22.2
0°-40°	3027.4	35.7
0°-60°	5223.5	61.6
0°-90°	6610.9	78.0
90°-120°	325.6	3.8
90°-150°	1341.4	15.8
90°-180°	1863.0	22.0
0°-180°	8474.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2480	2480	2480	2480	2480	
5°	2465	2467	2485	2465	2465	234
15°	2346	2357	2385	2356	2349	661
25°	2109	2142	2164	2148	2116	972
35°	1778	1848	1881	1856	1823	1119
45°	1446	1499	1555	1517	1472	1117
55°	1103	1146	1199	1166	1134	987
65°	750	785	835	810	790	743
75°	396	426	476	454	441	419
85°	66	90	126	115	102	89
90°	2	2	2	5	7	2
95°	5	5	15	27	27	5
105°	18	47	90	68	76	22
115°	205	424	213	113	126	246
125°	616	546	336	186	160	547
135°	675	616	451	303	241	523
145°	712	669	531	422	366	447
155°	730	690	600	516	477	337
165°	725	702	649	592	572	205
175°	690	682	664	644	632	66
180°	664	664	664	664	664	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2
2.5°	2465.2	2461.9	2468.6	2473.6	2473.6	2476.9	2480.2	2485.2	2481.9	2490.2	2478.6
5°	2465.2	2460.3	2463.6	2463.6	2461.9	2465.2	2466.9	2473.6	2470.2	2478.6	2466.9
7.5°	2450.3	2447.0	2447.0	2448.6	2443.6	2447.0	2448.6	2453.6	2448.6	2456.9	2447.0
10°	2418.7	2417.0	2418.7	2420.3	2415.3	2418.7	2418.7	2422.0	2422.0	2428.7	2422.0
12.5°	2387.1	2382.1	2385.4	2383.7	2378.7	2382.1	2383.7	2390.4	2390.4	2395.4	2392.1
15°	2345.5	2343.8	2347.1	2347.1	2342.2	2343.8	2345.5	2350.5	2352.1	2357.1	2357.1
17.5°	2297.2	2293.9	2297.2	2297.2	2293.9	2295.6	2298.9	2305.6	2307.2	2313.9	2317.2
20°	2240.7	2235.7	2237.4	2237.4	2237.4	2239.0	2242.3	2250.7	2257.3	2265.6	2270.6
22.5°	2179.1	2174.1	2172.5	2172.5	2174.1	2175.8	2175.8	2190.8	2199.1	2204.1	2210.7
25°	2109.3	2104.3	2104.3	2109.3	2107.6	2110.9	2115.9	2129.2	2135.9	2130.9	2142.5
27.5°	2039.4	2036.1	2032.7	2036.1	2039.4	2042.7	2051.0	2061.0	2061.0	2064.4	2072.7
30°	1966.2	1957.9	1957.9	1962.9	1967.9	1974.5	1981.2	1986.2	1984.5	1989.5	2001.1
32.5°	1888.0	1884.7	1881.4	1886.4	1894.7	1899.7	1903.0	1903.0	1904.7	1913.0	1924.6
35°	1778.2	1776.6	1783.2	1798.2	1811.5	1819.8	1818.2	1818.2	1823.2	1833.1	1848.1
37.5°	1698.4	1696.7	1696.7	1705.0	1708.4	1713.4	1716.7	1731.7	1743.3	1758.3	1766.6
40°	1616.9	1615.2	1613.6	1623.5	1626.9	1626.9	1630.2	1636.8	1651.8	1678.4	1680.1
42.5°	1530.4	1532.0	1530.4	1538.7	1542.0	1545.4	1547.0	1552.0	1562.0	1578.6	1596.9
45°	1445.5	1447.2	1445.5	1453.9	1457.2	1458.9	1462.2	1467.2	1475.5	1490.5	1498.8
47.5°	1362.4	1362.4	1359.0	1369.0	1372.4	1375.7	1377.3	1380.7	1394.0	1404.0	1412.3
50°	1279.2	1275.9	1272.5	1282.5	1285.9	1289.2	1292.5	1297.5	1300.8	1317.5	1322.5
52.5°	1191.0	1189.4	1187.7	1196.0	1199.4	1201.0	1206.0	1211.0	1217.7	1232.6	1237.6
55°	1102.9	1102.9	1099.5	1107.9	1109.5	1114.5	1117.8	1124.5	1127.8	1142.8	1146.1
57.5°	1016.4	1016.4	1011.4	1019.7	1021.4	1026.4	1029.7	1034.7	1039.7	1049.6	1058.0
60°	928.2	923.2	923.2	929.9	933.2	938.2	941.5	946.5	949.8	959.8	966.5
62.5°	838.4	840.0	840.0	841.7	850.0	848.4	848.4	858.3	861.7	868.3	880.0
65°	750.2	748.6	748.6	753.5	756.9	758.5	758.5	770.2	773.5	778.5	785.2
67.5°	662.1	663.7	663.7	663.7	672.0	670.4	670.4	680.4	683.7	688.7	692.0
70°	573.9	575.6	577.2	575.6	583.9	580.5	585.5	590.5	593.9	600.5	605.5
72.5°	485.7	487.4	489.1	489.1	495.7	492.4	497.4	502.4	510.7	512.3	515.7
75°	395.9	397.6	399.2	399.2	404.2	400.9	405.9	410.9	414.2	420.9	425.8
77.5°	309.4	311.1	314.4	314.4	317.7	314.4	319.4	326.0	329.4	332.7	339.3
80°	224.6	226.2	229.6	229.6	234.5	231.2	234.5	239.5	244.5	249.5	252.8
82.5°	143.1	144.7	146.4	148.0	153.0	153.0	153.0	158.0	164.7	164.7	169.7
85°	66.5	68.2	69.9	69.9	74.9	74.9	74.9	79.8	83.2	86.5	89.8
87.5°	8.3	10.0	10.0	10.0	11.6	11.6	11.6	13.3	15.0	16.6	20.0
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
97.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.3	8.3	8.3	10.0
100°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.6	11.6	13.3	15.0
102.5°	13.3	13.3	13.3	15.0	15.0	15.0	15.0	16.6	18.3	20.0	25.0
105°	18.3	18.3	18.3	20.0	20.0	21.6	21.6	23.3	28.3	33.3	46.6
107.5°	26.6	26.6	26.6	28.3	29.9	31.6	33.3	39.9	49.9	69.9	108.1
110°	39.9	39.9	41.6	44.9	51.6	56.6	61.5	84.8	119.8	174.7	241.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	79.8	81.5	88.2	98.1	123.1	134.7	154.7	214.6	276.1	334.4	362.6
115°	204.6	209.6	216.2	249.5	299.4	317.7	344.3	400.9	424.2	430.8	424.2
117.5°	425.8	432.5	434.2	464.1	475.7	480.7	487.4	494.0	485.7	475.7	462.4
120°	548.9	552.3	547.3	544.0	547.3	542.3	539.0	530.6	517.3	509.0	495.7
122.5°	590.5	592.2	585.5	580.5	577.2	575.6	570.6	557.3	542.3	535.6	520.7
125°	615.5	615.5	612.2	603.8	600.5	598.8	593.9	583.9	568.9	557.3	545.6
127.5°	637.1	637.1	630.5	623.8	620.5	618.8	608.8	600.5	592.2	577.2	563.9
130°	653.7	652.1	647.1	640.4	638.8	633.8	630.5	618.8	610.5	600.5	583.9
132.5°	665.4	667.0	660.4	660.4	657.1	647.1	645.4	635.4	625.5	613.8	602.2
135°	675.4	680.4	675.4	673.7	668.7	660.4	655.4	648.7	638.8	627.1	615.5
137.5°	688.7	685.3	687.0	683.7	680.4	673.7	668.7	665.4	653.7	643.8	630.5
140°	697.0	697.0	697.0	693.7	687.0	685.3	685.3	673.7	672.0	660.4	645.4
142.5°	707.0	705.3	703.6	698.7	700.3	695.3	688.7	688.7	678.7	670.4	662.1
145°	712.0	713.6	705.3	710.3	703.6	702.0	695.3	695.3	688.7	675.4	668.7
147.5°	720.3	718.6	713.6	715.3	710.3	708.6	703.6	700.3	690.3	683.7	675.4
150°	725.3	718.6	721.9	721.9	710.3	710.3	708.6	707.0	698.7	692.0	682.0
152.5°	728.6	725.3	723.6	725.3	715.3	715.3	713.6	707.0	703.6	695.3	688.7
155°	730.3	725.3	725.3	725.3	720.3	717.0	713.6	708.6	705.3	697.0	690.3
157.5°	728.6	728.6	723.6	725.3	723.6	718.6	710.3	710.3	710.3	702.0	692.0
160°	721.9	725.3	725.3	725.3	723.6	721.9	712.0	713.6	708.6	705.3	695.3
162.5°	731.9	725.3	725.3	723.6	721.9	720.3	717.0	717.0	712.0	705.3	700.3
165°	725.3	725.3	725.3	717.0	720.3	717.0	713.6	713.6	710.3	702.0	702.0
167.5°	718.6	717.0	715.3	712.0	713.6	708.6	707.0	708.6	703.6	702.0	697.0
170°	710.3	710.3	707.0	707.0	705.3	703.6	705.3	705.3	700.3	702.0	693.7
172.5°	700.3	703.6	702.0	700.3	697.0	697.0	695.3	693.7	692.0	695.3	688.7
175°	690.3	690.3	690.3	690.3	690.3	690.3	688.7	692.0	687.0	687.0	682.0
177.5°	668.7	675.4	672.0	680.4	682.0	680.4	682.0	680.4	675.4	680.4	670.4
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2
2.5°	2470.2	2471.9	2471.9	2473.6	2475.2	2473.6	2473.6	2485.2	2495.2	2501.8	2495.2
5°	2456.9	2456.9	2456.9	2458.6	2460.3	2458.6	2458.6	2470.2	2480.2	2485.2	2480.2
7.5°	2437.0	2437.0	2437.0	2438.6	2440.3	2440.3	2440.3	2451.9	2461.9	2466.9	2460.3
10°	2410.4	2412.0	2412.0	2413.7	2417.0	2417.0	2418.7	2428.7	2438.6	2445.3	2438.6
12.5°	2378.7	2382.1	2383.7	2387.1	2388.7	2390.4	2392.1	2403.7	2412.0	2420.3	2413.7
15°	2345.5	2348.8	2352.1	2355.5	2357.1	2358.8	2358.8	2370.4	2378.7	2385.4	2378.7
17.5°	2305.6	2308.9	2307.2	2308.9	2308.9	2308.9	2308.9	2317.2	2327.2	2335.5	2327.2
20°	2250.7	2252.3	2250.7	2250.7	2252.3	2254.0	2252.3	2264.0	2272.3	2280.6	2272.3
22.5°	2190.8	2189.1	2189.1	2192.4	2192.4	2197.4	2197.4	2207.4	2215.7	2222.4	2217.4
25°	2124.2	2125.9	2127.6	2129.2	2132.6	2135.9	2139.2	2149.2	2159.2	2164.2	2159.2
27.5°	2059.4	2059.4	2061.0	2067.7	2069.3	2076.0	2079.3	2089.3	2097.6	2105.9	2099.3
30°	1992.8	1992.8	1999.5	2002.8	2004.5	2007.8	2006.1	2017.8	2024.4	2032.7	2031.1
32.5°	1924.6	1924.6	1924.6	1926.3	1928.0	1932.9	1931.3	1944.6	1954.6	1957.9	1956.2
35°	1849.8	1841.5	1844.8	1849.8	1851.4	1856.4	1859.7	1866.4	1878.0	1881.4	1879.7
37.5°	1769.9	1764.9	1768.3	1773.2	1774.9	1778.2	1781.6	1789.9	1796.5	1804.9	1803.2
40°	1691.7	1686.7	1688.4	1695.1	1698.4	1701.7	1703.4	1710.0	1716.7	1725.0	1723.3
42.5°	1608.6	1606.9	1606.9	1613.6	1616.9	1616.9	1621.9	1626.9	1631.9	1643.5	1640.2
45°	1522.1	1522.1	1522.1	1528.7	1532.0	1532.0	1538.7	1542.0	1550.3	1555.3	1553.7
47.5°	1422.3	1438.9	1440.6	1445.5	1443.9	1445.5	1453.9	1453.9	1462.2	1465.5	1465.5
50°	1330.8	1344.1	1352.4	1357.4	1359.0	1359.0	1369.0	1369.0	1372.4	1375.7	1380.7
52.5°	1242.6	1247.6	1265.9	1270.9	1277.5	1270.9	1280.9	1280.9	1285.9	1289.2	1290.8
55°	1152.8	1157.8	1166.1	1177.7	1181.1	1182.7	1191.0	1192.7	1196.0	1199.4	1199.4
57.5°	1064.6	1067.9	1076.3	1091.2	1092.9	1099.5	1102.9	1102.9	1106.2	1107.9	1111.2
60°	976.5	979.8	986.4	991.4	1001.4	1004.7	1013.0	1014.7	1018.0	1019.7	1019.7
62.5°	886.6	890.0	896.6	904.9	909.9	916.6	918.2	919.9	923.2	928.2	928.2
65°	796.8	800.1	806.8	815.1	815.1	816.8	828.4	830.1	833.4	835.1	840.0
67.5°	703.6	708.6	717.0	723.6	723.6	730.3	738.6	740.2	743.6	746.9	748.6
70°	612.2	617.1	625.5	633.8	637.1	638.8	643.8	648.7	653.7	655.4	657.1
72.5°	522.3	527.3	534.0	544.0	545.6	548.9	552.3	557.3	563.9	567.2	567.2
75°	430.8	435.8	444.1	454.1	457.5	455.8	462.4	465.8	472.4	475.7	475.7
77.5°	342.7	346.0	354.3	361.0	364.3	367.6	367.6	371.0	377.6	382.6	380.9
80°	257.8	261.2	267.8	274.5	276.1	281.1	281.1	284.5	289.4	297.8	292.8
82.5°	179.7	178.0	184.6	191.3	193.0	198.0	201.3	201.3	204.6	211.3	207.9
85°	98.1	99.8	104.8	111.5	114.8	116.4	121.4	121.4	124.8	126.4	131.4
87.5°	26.6	26.6	33.3	38.3	41.6	43.2	48.2	48.2	51.6	56.6	53.2
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	3.3	3.3	3.3	3.3	5.0	5.0	6.7	8.3	8.3	6.7	8.3
95°	6.7	6.7	8.3	10.0	11.6	13.3	18.3	21.6	18.3	15.0	15.0
97.5°	10.0	11.6	16.6	23.3	26.6	33.3	41.6	38.3	33.3	28.3	26.6
100°	18.3	23.3	31.6	49.9	58.2	66.5	71.5	63.2	53.2	43.2	39.9
102.5°	31.6	46.6	74.9	101.5	108.1	111.5	106.5	94.8	79.8	64.9	56.6
105°	68.2	104.8	148.0	163.0	161.4	159.7	144.7	126.4	108.1	89.8	76.5
107.5°	164.7	207.9	224.6	221.2	212.9	204.6	184.6	163.0	139.7	116.4	101.5
110°	284.5	289.4	284.5	267.8	254.5	244.5	222.9	201.3	173.0	148.0	129.7



TEST NUMBER: P303111

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	362.6	346.0	327.7	307.7	294.4	282.8	257.8	232.9	206.3	181.3	161.4
115°	407.5	390.9	367.6	341.0	329.4	319.4	292.8	264.5	237.9	212.9	193.0
117.5°	444.1	422.5	400.9	377.6	366.0	352.7	327.7	301.1	271.1	244.5	226.2
120°	477.4	452.5	430.8	405.9	399.2	385.9	361.0	331.0	301.1	277.8	256.2
122.5°	502.4	480.7	457.5	437.5	425.8	415.9	387.6	361.0	332.7	307.7	287.8
125°	525.7	504.0	482.4	460.8	452.5	440.8	412.5	389.2	362.6	336.0	317.7
127.5°	548.9	524.0	507.4	492.4	477.4	462.4	437.5	415.9	390.9	369.3	347.7
130°	568.9	548.9	529.0	509.0	497.4	487.4	464.1	440.8	420.9	399.2	379.3
132.5°	582.2	567.2	547.3	532.3	515.7	507.4	484.1	464.1	442.5	424.2	404.2
135°	598.8	585.5	563.9	547.3	540.6	529.0	504.0	485.7	467.4	450.8	429.2
137.5°	615.5	600.5	583.9	565.6	555.6	547.3	524.0	510.7	490.7	472.4	455.8
140°	632.1	612.2	600.5	580.5	570.6	565.6	545.6	525.7	512.3	495.7	479.1
142.5°	642.1	625.5	610.5	595.5	588.9	580.5	562.2	540.6	530.6	517.3	499.0
145°	652.1	638.8	620.5	605.5	600.5	593.9	577.2	563.9	550.6	530.6	519.0
147.5°	662.1	647.1	635.4	620.5	610.5	608.8	592.2	578.9	563.9	553.9	537.3
150°	667.0	652.1	643.8	628.8	620.5	620.5	607.2	590.5	583.9	572.2	555.6
152.5°	673.7	663.7	653.7	643.8	633.8	632.1	620.5	608.8	595.5	583.9	573.9
155°	680.4	672.0	663.7	650.4	643.8	642.1	630.5	620.5	610.5	600.5	588.9
157.5°	683.7	670.4	665.4	657.1	652.1	647.1	635.4	627.1	623.8	612.2	598.8
160°	685.3	675.4	668.7	660.4	662.1	653.7	645.4	642.1	633.8	625.5	615.5
162.5°	687.0	683.7	673.7	667.0	665.4	658.7	653.7	648.7	643.8	637.1	628.8
165°	690.3	687.0	680.4	667.0	668.7	663.7	662.1	652.1	653.7	648.7	633.8
167.5°	688.7	683.7	677.0	677.0	668.7	668.7	663.7	662.1	657.1	652.1	642.1
170°	687.0	683.7	675.4	673.7	675.4	670.4	665.4	665.4	662.1	658.7	655.4
172.5°	682.0	678.7	673.7	678.7	673.7	670.4	667.0	660.4	667.0	660.4	653.7
175°	675.4	675.4	670.4	668.7	670.4	667.0	668.7	667.0	663.7	663.7	662.1
177.5°	670.4	672.0	665.4	667.0	668.7	665.4	668.7	668.7	670.4	665.4	668.7
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



TEST NUMBER: P303111

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2
2.5°	2488.5	2478.6	2475.2	2475.2	2473.6	2466.9	2465.2	2465.2	2476.9	2491.9	2475.2
5°	2471.9	2461.9	2458.6	2460.3	2458.6	2451.9	2451.9	2451.9	2465.2	2480.2	2463.6
7.5°	2453.6	2443.6	2440.3	2440.3	2438.6	2432.0	2432.0	2432.0	2445.3	2456.9	2443.6
10°	2430.3	2420.3	2417.0	2417.0	2413.7	2407.0	2405.4	2407.0	2420.3	2428.7	2415.3
12.5°	2405.4	2393.7	2390.4	2388.7	2385.4	2378.7	2375.4	2375.4	2390.4	2397.0	2382.1
15°	2372.1	2362.1	2357.1	2358.8	2355.5	2347.1	2345.5	2342.2	2355.5	2357.1	2347.1
17.5°	2322.2	2312.2	2310.5	2312.2	2308.9	2302.2	2303.9	2302.2	2317.2	2312.2	2302.2
20°	2265.6	2255.7	2254.0	2255.7	2250.7	2249.0	2252.3	2254.0	2272.3	2264.0	2252.3
22.5°	2209.1	2197.4	2197.4	2195.8	2190.8	2187.5	2189.1	2192.4	2215.7	2207.4	2199.1
25°	2149.2	2139.2	2137.5	2135.9	2130.9	2125.9	2124.2	2124.2	2147.5	2137.5	2139.2
27.5°	2094.3	2079.3	2074.3	2072.7	2067.7	2061.0	2059.4	2059.4	2077.7	2066.0	2072.7
30°	2022.8	2011.1	2009.5	2009.5	2004.5	1997.8	1992.8	1994.5	2007.8	1989.5	1992.8
32.5°	1949.6	1936.3	1937.9	1934.6	1929.6	1929.6	1926.3	1926.3	1932.9	1913.0	1916.3
35°	1873.1	1863.1	1861.4	1858.1	1851.4	1848.1	1849.8	1856.4	1856.4	1836.5	1836.5
37.5°	1794.9	1783.2	1784.9	1779.9	1774.9	1771.6	1771.6	1779.9	1781.6	1761.6	1758.3
40°	1716.7	1706.7	1703.4	1703.4	1698.4	1695.1	1693.4	1703.4	1693.4	1688.4	1675.1
42.5°	1633.5	1623.5	1620.2	1620.2	1618.5	1616.9	1615.2	1621.9	1610.2	1596.9	1582.0
45°	1548.7	1545.4	1540.4	1535.4	1533.7	1533.7	1535.4	1535.4	1517.1	1502.1	1498.8
47.5°	1460.5	1460.5	1453.9	1452.2	1452.2	1450.5	1450.5	1442.2	1428.9	1418.9	1413.9
50°	1375.7	1372.4	1365.7	1367.4	1367.4	1364.0	1360.7	1345.7	1340.7	1332.4	1327.4
52.5°	1289.2	1290.8	1279.2	1282.5	1280.9	1274.2	1265.9	1259.2	1254.2	1245.9	1240.9
55°	1197.7	1194.4	1191.0	1197.7	1194.4	1181.1	1174.4	1171.1	1166.1	1157.8	1154.4
57.5°	1111.2	1112.9	1104.5	1106.2	1101.2	1089.6	1089.6	1084.6	1081.2	1069.6	1066.3
60°	1019.7	1013.0	1016.4	1019.7	1004.7	999.7	1001.4	996.4	993.1	981.4	978.1
62.5°	928.2	928.2	928.2	919.9	916.6	911.6	913.2	908.2	901.6	893.3	891.6
65°	840.0	836.7	830.1	830.1	826.7	823.4	825.1	821.7	810.1	805.1	803.5
67.5°	750.2	743.6	740.2	741.9	736.9	733.6	735.2	731.9	721.9	715.3	715.3
70°	662.1	648.7	650.4	650.4	647.1	642.1	643.8	637.1	632.1	632.1	627.1
72.5°	568.9	563.9	560.6	558.9	557.3	552.3	552.3	547.3	545.6	544.0	540.6
75°	477.4	470.8	470.8	470.8	467.4	464.1	464.1	457.5	454.1	457.5	452.5
77.5°	382.6	379.3	379.3	379.3	374.3	372.6	374.3	367.6	369.3	366.0	362.6
80°	296.1	292.8	292.8	291.1	292.8	286.1	287.8	282.8	282.8	281.1	277.8
82.5°	212.9	209.6	207.9	206.3	204.6	202.9	204.6	202.9	199.6	196.3	193.0
85°	133.1	128.1	128.1	128.1	128.1	123.1	123.1	119.8	114.8	113.1	109.8
87.5°	58.2	54.9	51.6	49.9	51.6	46.6	48.2	46.6	43.2	41.6	38.3
90°	1.7	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7
92.5°	10.0	13.3	13.3	13.3	13.3	15.0	15.0	15.0	13.3	13.3	15.0
95°	18.3	21.6	25.0	26.6	26.6	28.3	28.3	26.6	26.6	26.6	26.6
97.5°	26.6	29.9	31.6	33.3	34.9	38.3	39.9	41.6	41.6	41.6	41.6
100°	38.3	38.3	41.6	44.9	44.9	44.9	48.2	49.9	53.2	54.9	54.9
102.5°	51.6	49.9	49.9	51.6	54.9	58.2	56.6	56.6	59.9	61.5	64.9
105°	69.9	64.9	63.2	61.5	63.2	66.5	69.9	69.9	68.2	68.2	69.9
107.5°	91.5	83.2	78.2	76.5	74.9	76.5	78.2	81.5	83.2	83.2	81.5
110°	116.4	103.1	96.5	93.2	89.8	88.2	88.2	91.5	93.2	96.5	98.1



TEST NUMBER: P303111

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	144.7	128.1	118.1	113.1	108.1	104.8	101.5	101.5	103.1	106.5	109.8
115°	174.7	156.4	143.1	136.4	129.7	121.4	118.1	114.8	113.1	116.4	118.1
117.5°	206.3	188.0	169.7	161.4	154.7	144.7	134.7	131.4	128.1	124.8	126.4
120°	236.2	217.9	198.0	191.3	183.0	169.7	156.4	148.0	144.7	141.4	138.1
122.5°	269.5	249.5	227.9	219.6	212.9	196.3	183.0	171.3	163.0	158.0	153.0
125°	299.4	279.5	259.5	251.2	241.2	226.2	211.3	198.0	186.3	178.0	169.7
127.5°	327.7	309.4	289.4	281.1	274.5	254.5	241.2	226.2	214.6	204.6	194.6
130°	362.6	334.4	319.4	311.1	302.7	287.8	269.5	256.2	244.5	232.9	221.2
132.5°	387.6	369.3	344.3	339.3	331.0	314.4	301.1	286.1	274.5	261.2	249.5
135°	410.9	394.2	379.3	367.6	362.6	342.7	329.4	316.1	302.7	292.8	281.1
137.5°	437.5	419.2	400.9	397.6	387.6	374.3	362.6	346.0	334.4	321.0	311.1
140°	462.4	444.1	430.8	417.5	412.5	402.6	390.9	379.3	366.0	352.7	341.0
142.5°	485.7	467.4	452.5	445.8	437.5	425.8	414.2	405.9	395.9	385.9	374.3
145°	505.7	487.4	475.7	469.1	462.4	449.1	439.2	432.5	422.5	410.9	400.9
147.5°	522.3	509.0	495.7	492.4	479.1	470.8	464.1	454.1	450.8	437.5	430.8
150°	540.6	529.0	519.0	510.7	505.7	492.4	485.7	480.7	472.4	464.1	455.8
152.5°	557.3	547.3	535.6	532.3	525.7	514.0	505.7	497.4	494.0	485.7	477.4
155°	573.9	563.9	553.9	548.9	545.6	537.3	524.0	519.0	515.7	510.7	504.0
157.5°	588.9	577.2	568.9	567.2	558.9	552.3	547.3	539.0	537.3	527.3	524.0
160°	602.2	595.5	583.9	578.9	580.5	570.6	562.2	553.9	560.6	547.3	545.6
162.5°	615.5	607.2	603.8	597.2	595.5	590.5	583.9	575.6	570.6	573.9	562.2
165°	630.5	622.1	615.5	612.2	608.8	597.2	595.5	590.5	592.2	590.5	587.2
167.5°	637.1	630.5	628.8	622.1	622.1	618.8	612.2	605.5	607.2	607.2	598.8
170°	645.4	638.8	635.4	632.1	632.1	623.8	623.8	618.8	625.5	622.1	615.5
172.5°	653.7	647.1	643.8	645.4	640.4	638.8	633.8	630.5	633.8	637.1	633.8
175°	658.7	652.1	652.1	650.4	645.4	645.4	645.4	642.1	643.8	643.8	638.8
177.5°	663.7	658.7	652.1	657.1	657.1	652.1	648.7	653.7	652.1	662.1	653.7
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7



TEST NUMBER: P303111

CATALOG NUMBER: CTW-F-2575-50L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2	2480.2
2.5°	2481.9	2478.6	2476.9	2471.9	2470.2	2465.2	2461.9	2465.2
5°	2468.6	2465.2	2463.6	2460.3	2460.3	2460.3	2460.3	2465.2
7.5°	2447.0	2443.6	2445.3	2442.0	2443.6	2445.3	2445.3	2447.0
10°	2420.3	2417.0	2415.3	2412.0	2413.7	2413.7	2413.7	2418.7
12.5°	2383.7	2380.4	2378.7	2375.4	2378.7	2382.1	2383.7	2385.4
15°	2347.1	2343.8	2342.2	2338.8	2342.2	2345.5	2343.8	2348.8
17.5°	2302.2	2298.9	2295.6	2292.2	2293.9	2295.6	2295.6	2297.2
20°	2247.3	2242.3	2239.0	2235.7	2237.4	2237.4	2240.7	2242.3
22.5°	2185.8	2180.8	2177.5	2175.8	2174.1	2174.1	2180.8	2182.5
25°	2129.2	2115.9	2114.3	2112.6	2110.9	2109.3	2114.3	2115.9
27.5°	2064.4	2052.7	2047.7	2044.4	2042.7	2039.4	2042.7	2052.7
30°	1992.8	1984.5	1979.5	1972.9	1972.9	1967.9	1972.9	1972.9
32.5°	1913.0	1911.3	1906.3	1904.7	1898.0	1893.0	1896.3	1906.3
35°	1829.8	1831.5	1831.5	1828.1	1818.2	1811.5	1813.2	1823.2
37.5°	1748.3	1741.6	1743.3	1736.7	1721.7	1715.0	1715.0	1720.0
40°	1651.8	1643.5	1645.2	1641.8	1636.8	1633.5	1635.2	1631.9
42.5°	1570.3	1562.0	1565.3	1560.3	1555.3	1550.3	1553.7	1552.0
45°	1487.1	1478.8	1477.2	1480.5	1472.2	1472.2	1470.5	1472.2
47.5°	1402.3	1395.6	1397.3	1397.3	1389.0	1389.0	1387.3	1392.3
50°	1317.5	1312.5	1312.5	1309.1	1305.8	1304.2	1304.2	1305.8
52.5°	1236.0	1227.6	1226.0	1229.3	1219.3	1221.0	1221.0	1219.3
55°	1146.1	1141.1	1141.1	1142.8	1134.5	1136.1	1136.1	1134.5
57.5°	1064.6	1056.3	1056.3	1058.0	1053.0	1051.3	1049.6	1051.3
60°	978.1	969.8	969.8	971.5	961.5	964.8	964.8	966.5
62.5°	891.6	888.3	881.6	880.0	880.0	878.3	880.0	878.3
65°	803.5	800.1	793.5	796.8	788.5	791.8	788.5	790.1
67.5°	715.3	712.0	707.0	708.6	702.0	705.3	705.3	705.3
70°	627.1	623.8	618.8	617.1	618.8	617.1	617.1	617.1
72.5°	539.0	537.3	530.6	530.6	532.3	530.6	527.3	529.0
75°	447.5	449.1	442.5	444.1	445.8	444.1	444.1	440.8
77.5°	357.6	359.3	357.6	354.3	356.0	356.0	354.3	352.7
80°	272.8	274.5	272.8	269.5	271.1	269.5	269.5	267.8
82.5°	188.0	189.6	186.3	183.0	184.6	183.0	181.3	179.7
85°	106.5	106.5	106.5	103.1	104.8	104.8	103.1	101.5
87.5°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	34.9
90°	6.7	8.3	6.7	6.7	6.7	6.7	6.7	6.7
92.5°	15.0	15.0	13.3	13.3	13.3	11.6	11.6	13.3
95°	26.6	28.3	26.6	26.6	26.6	26.6	26.6	26.6
97.5°	41.6	41.6	41.6	39.9	39.9	38.3	38.3	39.9
100°	56.6	56.6	56.6	56.6	56.6	54.9	54.9	56.6
102.5°	66.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2
105°	73.2	74.9	74.9	74.9	76.5	76.5	76.5	76.5
107.5°	81.5	83.2	83.2	83.2	83.2	83.2	84.8	83.2
110°	98.1	96.5	94.8	94.8	94.8	93.2	94.8	94.8



TEST NUMBER: P303111

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	111.5	113.1	113.1	113.1	113.1	113.1	111.5	113.1
115°	121.4	123.1	123.1	124.8	124.8	124.8	126.4	126.4
117.5°	129.7	131.4	131.4	133.1	133.1	134.7	136.4	136.4
120°	138.1	139.7	139.7	139.7	141.4	141.4	141.4	143.1
122.5°	151.4	149.7	149.7	149.7	149.7	148.0	149.7	149.7
125°	168.0	164.7	163.0	163.0	161.4	159.7	159.7	159.7
127.5°	186.3	183.0	181.3	179.7	178.0	174.7	174.7	173.0
130°	211.3	204.6	202.9	199.6	194.6	193.0	193.0	191.3
132.5°	239.5	232.9	227.9	226.2	219.6	216.2	214.6	214.6
135°	271.1	262.8	259.5	256.2	249.5	244.5	244.5	241.2
137.5°	301.1	291.1	289.4	287.8	281.1	276.1	272.8	269.5
140°	329.4	322.7	317.7	317.7	311.1	304.4	302.7	299.4
142.5°	362.6	356.0	346.0	346.0	337.7	336.0	332.7	331.0
145°	390.9	384.3	380.9	380.9	371.0	369.3	364.3	366.0
147.5°	419.2	414.2	409.2	409.2	400.9	397.6	394.2	392.6
150°	447.5	440.8	437.5	437.5	430.8	425.8	424.2	422.5
152.5°	470.8	464.1	464.1	462.4	454.1	454.1	450.8	452.5
155°	495.7	489.1	490.7	487.4	482.4	479.1	477.4	477.4
157.5°	517.3	514.0	510.7	509.0	507.4	505.7	502.4	500.7
160°	540.6	537.3	534.0	532.3	532.3	529.0	525.7	529.0
162.5°	562.2	557.3	557.3	555.6	555.6	552.3	550.6	552.3
165°	580.5	577.2	577.2	577.2	573.9	577.2	572.2	572.2
167.5°	597.2	597.2	595.5	590.5	590.5	588.9	590.5	592.2
170°	612.2	613.8	610.5	608.8	608.8	608.8	608.8	608.8
172.5°	630.5	627.1	628.8	623.8	625.5	622.1	620.5	623.8
175°	642.1	640.4	640.4	640.4	635.4	637.1	633.8	632.1
177.5°	653.7	653.7	652.1	652.1	650.4	648.7	648.7	645.4
180°	663.7	663.7	663.7	663.7	663.7	663.7	663.7	663.7

(END OF REPORT)