

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: P303108

Luminaire Tested: **CTW-F-2575-50L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303108
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-8
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

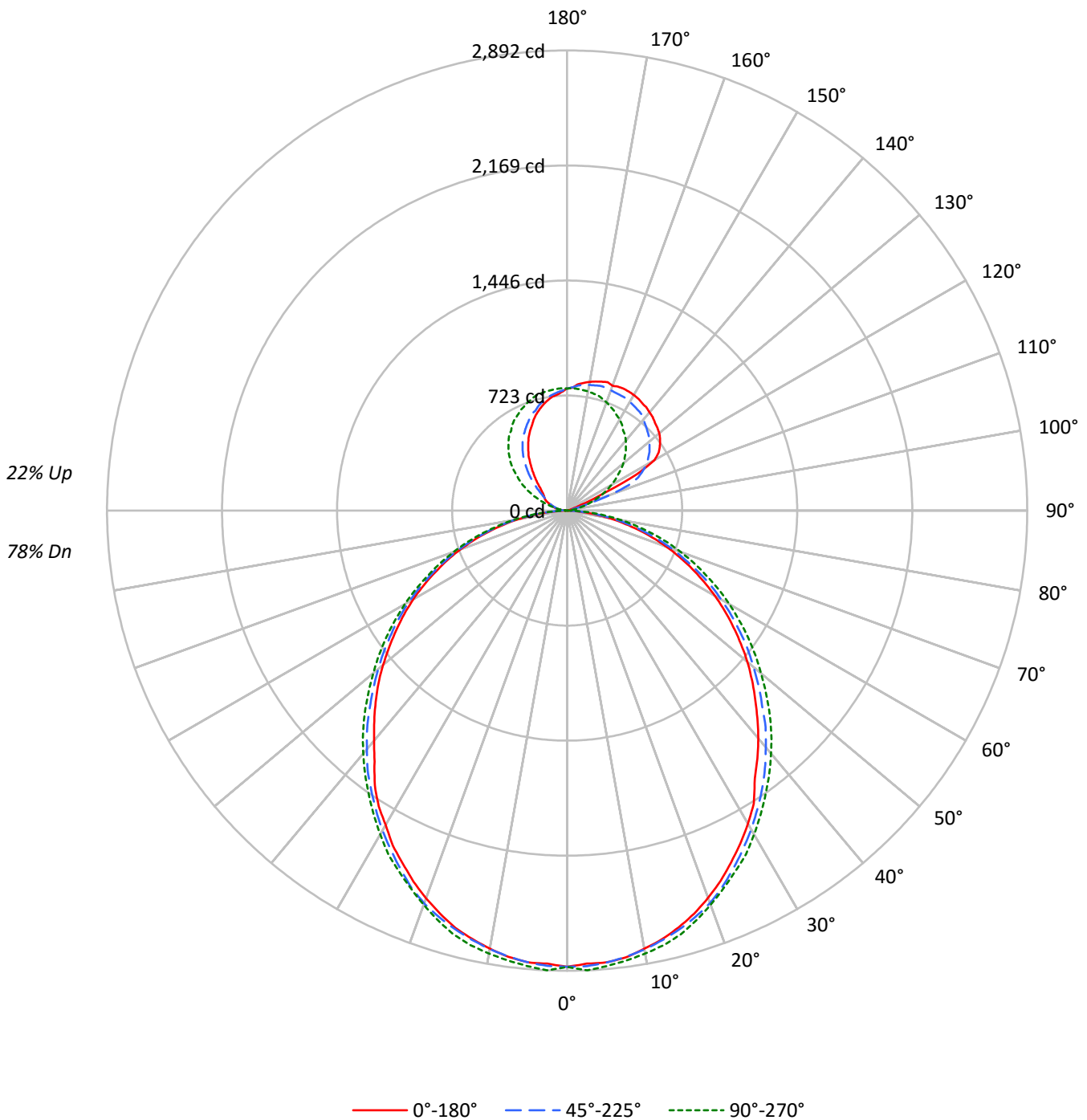
Lumens per Lamp: N/A
Luminaire Lumens: 9796.5 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

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	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°	30863	30863	30863
5°	30794	31044	30794
10°	30562	30898	30562
15°	30216	30731	30259
20°	29672	30200	29694
25°	28961	29714	29053
30°	28253	29208	28348
35°	27014	28580	27696
40°	26265	28021	26508
45°	25440	27372	25907
50°	24764	26632	25279
55°	23927	26019	24612
60°	23102	25377	24053
65°	22090	24588	23266
70°	20881	23846	22455
75°	19035	22874	21194
80°	16092	21336	19191
85°	9497	18056	14487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	2.8
10°-20°	766.1	7.8
20°-30°	1134.2	11.6
30°-40°	1329.3	13.6
40°-50°	1342.5	13.7
50°-60°	1196.3	12.2
60°-70°	916.9	9.4
70°-80°	541.9	5.5
80°-90°	145.1	1.5
90°-100°	23.1	0.2
100°-110°	93.7	1.0
110°-120°	259.5	2.6
120°-130°	377.1	3.8
130°-140°	407.6	4.2
140°-150°	389.7	4.0
150°-160°	320.1	3.3
160°-170°	210.1	2.1
170°-180°	72.9	0.7
0°-30°	2170.6	22.2
0°-40°	3499.9	35.7
0°-60°	6038.7	61.6
0°-90°	7642.6	78.0
90°-120°	376.4	3.8
90°-150°	1550.8	15.8
90°-180°	2154.0	22.0
0°-180°	9796.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2867	2867	2867	2867	2867	
5°	2850	2852	2873	2850	2850	270
15°	2712	2725	2758	2723	2715	764
25°	2438	2477	2502	2483	2446	1124
35°	2056	2136	2175	2146	2108	1294
45°	1671	1733	1798	1754	1702	1291
55°	1275	1325	1386	1348	1312	1141
65°	867	908	965	936	914	859
75°	458	492	550	525	510	485
85°	77	104	146	133	117	102
90°	2	2	2	6	8	2
95°	6	6	17	31	31	6
105°	21	54	104	79	88	25
115°	236	490	246	131	146	284
125°	712	631	388	215	185	633
135°	781	712	521	350	279	605
145°	823	773	614	488	423	517
155°	844	798	694	596	552	389
165°	838	812	750	685	662	237
175°	798	788	767	744	731	77
180°	767	767	767	767	767	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3
2.5°	2850.0	2846.2	2853.8	2859.6	2859.6	2863.5	2867.3	2873.1	2869.2	2878.8	2865.4
5°	2850.0	2844.2	2848.1	2848.1	2846.2	2850.0	2851.9	2859.6	2855.8	2865.4	2851.9
7.5°	2832.7	2828.8	2828.8	2830.8	2825.0	2828.8	2830.8	2836.5	2830.8	2840.4	2828.8
10°	2796.2	2794.2	2796.2	2798.1	2792.3	2796.2	2796.2	2800.0	2800.0	2807.7	2800.0
12.5°	2759.6	2753.8	2757.7	2755.8	2750.0	2753.8	2755.8	2763.5	2763.5	2769.2	2765.4
15°	2711.5	2709.6	2713.5	2713.5	2707.7	2709.6	2711.5	2717.3	2719.2	2725.0	2725.0
17.5°	2655.8	2651.9	2655.8	2655.8	2651.9	2653.8	2657.7	2665.4	2667.3	2675.0	2678.8
20°	2590.4	2584.6	2586.5	2586.5	2586.5	2588.5	2592.3	2601.9	2609.6	2619.2	2625.0
22.5°	2519.2	2513.5	2511.5	2511.5	2513.5	2515.4	2515.4	2532.7	2542.3	2548.1	2555.8
25°	2438.5	2432.7	2432.7	2438.5	2436.5	2440.4	2446.2	2461.5	2469.2	2463.5	2476.9
27.5°	2357.7	2353.8	2350.0	2353.8	2357.7	2361.5	2371.2	2382.7	2382.7	2386.5	2396.2
30°	2273.1	2263.5	2263.5	2269.2	2275.0	2282.7	2290.4	2296.2	2294.2	2300.0	2313.5
32.5°	2182.7	2178.8	2175.0	2180.8	2190.4	2196.2	2200.0	2200.0	2201.9	2211.5	2225.0
35°	2055.8	2053.8	2061.5	2078.8	2094.2	2103.8	2101.9	2101.9	2107.7	2119.2	2136.5
37.5°	1963.5	1961.5	1961.5	1971.2	1975.0	1980.8	1984.6	2001.9	2015.4	2032.7	2042.3
40°	1869.2	1867.3	1865.4	1876.9	1880.8	1880.8	1884.6	1892.3	1909.6	1940.4	1942.3
42.5°	1769.2	1771.2	1769.2	1778.8	1782.7	1786.5	1788.5	1794.2	1805.8	1825.0	1846.2
45°	1671.2	1673.1	1671.2	1680.8	1684.6	1686.5	1690.4	1696.2	1705.8	1723.1	1732.7
47.5°	1575.0	1575.0	1571.2	1582.7	1586.5	1590.4	1592.3	1596.2	1611.5	1623.1	1632.7
50°	1478.8	1475.0	1471.2	1482.7	1486.5	1490.4	1494.2	1500.0	1503.8	1523.1	1528.8
52.5°	1376.9	1375.0	1373.1	1382.7	1386.5	1388.5	1394.2	1400.0	1407.7	1425.0	1430.8
55°	1275.0	1275.0	1271.2	1280.8	1282.7	1288.5	1292.3	1300.0	1303.8	1321.2	1325.0
57.5°	1175.0	1175.0	1169.2	1178.8	1180.8	1186.5	1190.4	1196.2	1201.9	1213.5	1223.1
60°	1073.1	1067.3	1067.3	1075.0	1078.8	1084.6	1088.5	1094.2	1098.1	1109.6	1117.3
62.5°	969.2	971.2	971.2	973.1	982.7	980.8	980.8	992.3	996.2	1003.8	1017.3
65°	867.3	865.4	865.4	871.2	875.0	876.9	876.9	890.4	894.2	900.0	907.7
67.5°	765.4	767.3	767.3	767.3	776.9	775.0	775.0	786.5	790.4	796.2	800.0
70°	663.5	665.4	667.3	665.4	675.0	671.2	676.9	682.7	686.5	694.2	700.0
72.5°	561.5	563.5	565.4	565.4	573.1	569.2	575.0	580.8	590.4	592.3	596.2
75°	457.7	459.6	461.5	461.5	467.3	463.5	469.2	475.0	478.8	486.5	492.3
77.5°	357.7	359.6	363.5	363.5	367.3	363.5	369.2	376.9	380.8	384.6	392.3
80°	259.6	261.5	265.4	265.4	271.2	267.3	271.2	276.9	282.7	288.5	292.3
82.5°	165.4	167.3	169.2	171.2	176.9	176.9	176.9	182.7	190.4	190.4	196.2
85°	76.9	78.8	80.8	80.8	86.5	86.5	86.5	92.3	96.2	100.0	103.8
87.5°	9.6	11.5	11.5	11.5	13.5	13.5	13.5	15.4	17.3	19.2	23.1
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
97.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	9.6	9.6	9.6	11.5
100°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	13.5	13.5	15.4	17.3
102.5°	15.4	15.4	15.4	17.3	17.3	17.3	17.3	19.2	21.2	23.1	28.8
105°	21.2	21.2	21.2	23.1	23.1	25.0	25.0	26.9	32.7	38.5	53.8
107.5°	30.8	30.8	30.8	32.7	34.6	36.5	38.5	46.2	57.7	80.8	125.0
110°	46.2	46.2	48.1	51.9	59.6	65.4	71.2	98.1	138.5	201.9	278.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	92.3	94.2	101.9	113.5	142.3	155.8	178.8	248.1	319.2	386.5	419.2
115°	236.5	242.3	250.0	288.5	346.2	367.3	398.1	463.5	490.4	498.1	490.4
117.5°	492.3	500.0	501.9	536.5	550.0	555.8	563.5	571.2	561.5	550.0	534.6
120°	634.6	638.5	632.7	628.8	632.7	626.9	623.1	613.5	598.1	588.5	573.1
122.5°	682.7	684.6	676.9	671.2	667.3	665.4	659.6	644.2	626.9	619.2	601.9
125°	711.5	711.5	707.7	698.1	694.2	692.3	686.5	675.0	657.7	644.2	630.8
127.5°	736.5	736.5	728.8	721.2	717.3	715.4	703.8	694.2	684.6	667.3	651.9
130°	755.8	753.8	748.1	740.4	738.5	732.7	728.8	715.4	705.8	694.2	675.0
132.5°	769.2	771.2	763.5	763.5	759.6	748.1	746.2	734.6	723.1	709.6	696.2
135°	780.8	786.5	780.8	778.8	773.1	763.5	757.7	750.0	738.5	725.0	711.5
137.5°	796.2	792.3	794.2	790.4	786.5	778.8	773.1	769.2	755.8	744.2	728.8
140°	805.8	805.8	805.8	801.9	794.2	792.3	792.3	778.8	776.9	763.5	746.2
142.5°	817.3	815.4	813.5	807.7	809.6	803.8	796.2	796.2	784.6	775.0	765.4
145°	823.1	825.0	815.4	821.2	813.5	811.5	803.8	803.8	796.2	780.8	773.1
147.5°	832.7	830.8	825.0	826.9	821.2	819.2	813.5	809.6	798.1	790.4	780.8
150°	838.5	830.8	834.6	834.6	821.2	821.2	819.2	817.3	807.7	800.0	788.5
152.5°	842.3	838.5	836.5	838.5	826.9	826.9	825.0	817.3	813.5	803.8	796.2
155°	844.2	838.5	838.5	838.5	832.7	828.8	825.0	819.2	815.4	805.8	798.1
157.5°	842.3	842.3	836.5	838.5	836.5	830.8	821.2	821.2	821.2	811.5	800.0
160°	834.6	838.5	838.5	838.5	836.5	834.6	823.1	825.0	819.2	815.4	803.8
162.5°	846.2	838.5	838.5	836.5	834.6	832.7	828.8	828.8	823.1	815.4	809.6
165°	838.5	838.5	838.5	828.8	832.7	828.8	825.0	825.0	821.2	811.5	811.5
167.5°	830.8	828.8	826.9	823.1	825.0	819.2	817.3	819.2	813.5	811.5	805.8
170°	821.2	821.2	817.3	817.3	815.4	813.5	815.4	815.4	809.6	811.5	801.9
172.5°	809.6	813.5	811.5	809.6	805.8	805.8	803.8	801.9	800.0	803.8	796.2
175°	798.1	798.1	798.1	798.1	798.1	798.1	796.2	800.0	794.2	794.2	788.5
177.5°	773.1	780.8	776.9	786.5	788.5	786.5	788.5	786.5	780.8	786.5	775.0
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3
2.5°	2855.8	2857.7	2857.7	2859.6	2861.5	2859.6	2859.6	2873.1	2884.6	2892.3	2884.6
5°	2840.4	2840.4	2840.4	2842.3	2844.2	2842.3	2842.3	2855.8	2867.3	2873.1	2867.3
7.5°	2817.3	2817.3	2817.3	2819.2	2821.2	2821.2	2821.2	2834.6	2846.2	2851.9	2844.2
10°	2786.5	2788.5	2788.5	2790.4	2794.2	2794.2	2796.2	2807.7	2819.2	2826.9	2819.2
12.5°	2750.0	2753.8	2755.8	2759.6	2761.5	2763.5	2765.4	2778.8	2788.5	2798.1	2790.4
15°	2711.5	2715.4	2719.2	2723.1	2725.0	2726.9	2726.9	2740.4	2750.0	2757.7	2750.0
17.5°	2665.4	2669.2	2667.3	2669.2	2669.2	2669.2	2669.2	2678.8	2690.4	2700.0	2690.4
20°	2601.9	2603.8	2601.9	2601.9	2603.8	2605.8	2603.8	2617.3	2626.9	2636.5	2626.9
22.5°	2532.7	2530.8	2530.8	2534.6	2534.6	2540.4	2540.4	2551.9	2561.5	2569.2	2563.5
25°	2455.8	2457.7	2459.6	2461.5	2465.4	2469.2	2473.1	2484.6	2496.2	2501.9	2496.2
27.5°	2380.8	2380.8	2382.7	2390.4	2392.3	2400.0	2403.8	2415.4	2425.0	2434.6	2426.9
30°	2303.8	2303.8	2311.5	2315.4	2317.3	2321.2	2319.2	2332.7	2340.4	2350.0	2348.1
32.5°	2225.0	2225.0	2225.0	2226.9	2228.8	2234.6	2232.7	2248.1	2259.6	2263.5	2261.5
35°	2138.5	2128.8	2132.7	2138.5	2140.4	2146.2	2150.0	2157.7	2171.2	2175.0	2173.1
37.5°	2046.2	2040.4	2044.2	2050.0	2051.9	2055.8	2059.6	2069.2	2076.9	2086.5	2084.6
40°	1955.8	1950.0	1951.9	1959.6	1963.5	1967.3	1969.2	1976.9	1984.6	1994.2	1992.3
42.5°	1859.6	1857.7	1857.7	1865.4	1869.2	1869.2	1875.0	1880.8	1886.5	1900.0	1896.2
45°	1759.6	1759.6	1759.6	1767.3	1771.2	1771.2	1778.8	1782.7	1792.3	1798.1	1796.2
47.5°	1644.2	1663.5	1665.4	1671.2	1669.2	1671.2	1680.8	1680.8	1690.4	1694.2	1694.2
50°	1538.5	1553.8	1563.5	1569.2	1571.2	1571.2	1582.7	1582.7	1586.5	1590.4	1596.2
52.5°	1436.5	1442.3	1463.5	1469.2	1476.9	1469.2	1480.8	1480.8	1486.5	1490.4	1492.3
55°	1332.7	1338.5	1348.1	1361.5	1365.4	1367.3	1376.9	1378.8	1382.7	1386.5	1386.5
57.5°	1230.8	1234.6	1244.2	1261.5	1263.5	1271.2	1275.0	1275.0	1278.8	1280.8	1284.6
60°	1128.8	1132.7	1140.4	1146.2	1157.7	1161.5	1171.2	1173.1	1176.9	1178.8	1178.8
62.5°	1025.0	1028.8	1036.5	1046.2	1051.9	1059.6	1061.5	1063.5	1067.3	1073.1	1073.1
65°	921.2	925.0	932.7	942.3	942.3	944.2	957.7	959.6	963.5	965.4	971.2
67.5°	813.5	819.2	828.8	836.5	836.5	844.2	853.8	855.8	859.6	863.5	865.4
70°	707.7	713.5	723.1	732.7	736.5	738.5	744.2	750.0	755.8	757.7	759.6
72.5°	603.8	609.6	617.3	628.8	630.8	634.6	638.5	644.2	651.9	655.8	655.8
75°	498.1	503.8	513.5	525.0	528.8	526.9	534.6	538.5	546.2	550.0	550.0
77.5°	396.2	400.0	409.6	417.3	421.2	425.0	425.0	428.8	436.5	442.3	440.4
80°	298.1	301.9	309.6	317.3	319.2	325.0	325.0	328.8	334.6	344.2	338.5
82.5°	207.7	205.8	213.5	221.2	223.1	228.8	232.7	232.7	236.5	244.2	240.4
85°	113.5	115.4	121.2	128.8	132.7	134.6	140.4	140.4	144.2	146.2	151.9
87.5°	30.8	30.8	38.5	44.2	48.1	50.0	55.8	55.8	59.6	65.4	61.5
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°	3.8	3.8	3.8	3.8	5.8	5.8	7.7	9.6	9.6	7.7	9.6
95°	7.7	7.7	9.6	11.5	13.5	15.4	21.2	25.0	21.2	17.3	17.3
97.5°	11.5	13.5	19.2	26.9	30.8	38.5	48.1	44.2	38.5	32.7	30.8
100°	21.2	26.9	36.5	57.7	67.3	76.9	82.7	73.1	61.5	50.0	46.2
102.5°	36.5	53.8	86.5	117.3	125.0	128.8	123.1	109.6	92.3	75.0	65.4
105°	78.8	121.2	171.2	188.5	186.5	184.6	167.3	146.2	125.0	103.8	88.5
107.5°	190.4	240.4	259.6	255.8	246.2	236.5	213.5	188.5	161.5	134.6	117.3
110°	328.8	334.6	328.8	309.6	294.2	282.7	257.7	232.7	200.0	171.2	150.0



TEST NUMBER: P303108

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	419.2	400.0	378.8	355.8	340.4	326.9	298.1	269.2	238.5	209.6	186.5
115°	471.2	451.9	425.0	394.2	380.8	369.2	338.5	305.8	275.0	246.2	223.1
117.5°	513.5	488.5	463.5	436.5	423.1	407.7	378.8	348.1	313.5	282.7	261.5
120°	551.9	523.1	498.1	469.2	461.5	446.2	417.3	382.7	348.1	321.2	296.2
122.5°	580.8	555.8	528.8	505.8	492.3	480.8	448.1	417.3	384.6	355.8	332.7
125°	607.7	582.7	557.7	532.7	523.1	509.6	476.9	450.0	419.2	388.5	367.3
127.5°	634.6	605.8	586.5	569.2	551.9	534.6	505.8	480.8	451.9	426.9	401.9
130°	657.7	634.6	611.5	588.5	575.0	563.5	536.5	509.6	486.5	461.5	438.5
132.5°	673.1	655.8	632.7	615.4	596.2	586.5	559.6	536.5	511.5	490.4	467.3
135°	692.3	676.9	651.9	632.7	625.0	611.5	582.7	561.5	540.4	521.2	496.2
137.5°	711.5	694.2	675.0	653.8	642.3	632.7	605.8	590.4	567.3	546.2	526.9
140°	730.8	707.7	694.2	671.2	659.6	653.8	630.8	607.7	592.3	573.1	553.8
142.5°	742.3	723.1	705.8	688.5	680.8	671.2	650.0	625.0	613.5	598.1	576.9
145°	753.8	738.5	717.3	700.0	694.2	686.5	667.3	651.9	636.5	613.5	600.0
147.5°	765.4	748.1	734.6	717.3	705.8	703.8	684.6	669.2	651.9	640.4	621.2
150°	771.2	753.8	744.2	726.9	717.3	717.3	701.9	682.7	675.0	661.5	642.3
152.5°	778.8	767.3	755.8	744.2	732.7	730.8	717.3	703.8	688.5	675.0	663.5
155°	786.5	776.9	767.3	751.9	744.2	742.3	728.8	717.3	705.8	694.2	680.8
157.5°	790.4	775.0	769.2	759.6	753.8	748.1	734.6	725.0	721.2	707.7	692.3
160°	792.3	780.8	773.1	763.5	765.4	755.8	746.2	742.3	732.7	723.1	711.5
162.5°	794.2	790.4	778.8	771.2	769.2	761.5	755.8	750.0	744.2	736.5	726.9
165°	798.1	794.2	786.5	771.2	773.1	767.3	765.4	753.8	755.8	750.0	732.7
167.5°	796.2	790.4	782.7	782.7	773.1	773.1	767.3	765.4	759.6	753.8	742.3
170°	794.2	790.4	780.8	778.8	780.8	775.0	769.2	769.2	765.4	761.5	757.7
172.5°	788.5	784.6	778.8	784.6	778.8	775.0	771.2	763.5	771.2	763.5	755.8
175°	780.8	780.8	775.0	773.1	775.0	771.2	773.1	771.2	767.3	767.3	765.4
177.5°	775.0	776.9	769.2	771.2	773.1	769.2	773.1	773.1	775.0	769.2	773.1
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



TEST NUMBER: P303108

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3
2.5°	2876.9	2865.4	2861.5	2861.5	2859.6	2851.9	2850.0	2850.0	2863.5	2880.8	2861.5
5°	2857.7	2846.2	2842.3	2844.2	2842.3	2834.6	2834.6	2834.6	2850.0	2867.3	2848.1
7.5°	2836.5	2825.0	2821.2	2821.2	2819.2	2811.5	2811.5	2811.5	2826.9	2840.4	2825.0
10°	2809.6	2798.1	2794.2	2794.2	2790.4	2782.7	2780.8	2782.7	2798.1	2807.7	2792.3
12.5°	2780.8	2767.3	2763.5	2761.5	2757.7	2750.0	2746.2	2746.2	2763.5	2771.2	2753.8
15°	2742.3	2730.8	2725.0	2726.9	2723.1	2713.5	2711.5	2707.7	2723.1	2725.0	2713.5
17.5°	2684.6	2673.1	2671.2	2673.1	2669.2	2661.5	2663.5	2661.5	2678.8	2673.1	2661.5
20°	2619.2	2607.7	2605.8	2607.7	2601.9	2600.0	2603.8	2605.8	2626.9	2617.3	2603.8
22.5°	2553.8	2540.4	2540.4	2538.5	2532.7	2528.8	2530.8	2534.6	2561.5	2551.9	2542.3
25°	2484.6	2473.1	2471.2	2469.2	2463.5	2457.7	2455.8	2455.8	2482.7	2471.2	2473.1
27.5°	2421.2	2403.8	2398.1	2396.2	2390.4	2382.7	2380.8	2380.8	2401.9	2388.5	2396.2
30°	2338.5	2325.0	2323.1	2323.1	2317.3	2309.6	2303.8	2305.8	2321.2	2300.0	2303.8
32.5°	2253.8	2238.5	2240.4	2236.5	2230.8	2230.8	2226.9	2226.9	2234.6	2211.5	2215.4
35°	2165.4	2153.8	2151.9	2148.1	2140.4	2136.5	2138.5	2146.2	2146.2	2123.1	2123.1
37.5°	2075.0	2061.5	2063.5	2057.7	2051.9	2048.1	2048.1	2057.7	2059.6	2036.5	2032.7
40°	1984.6	1973.1	1969.2	1969.2	1963.5	1959.6	1957.7	1969.2	1957.7	1951.9	1936.5
42.5°	1888.5	1876.9	1873.1	1873.1	1871.2	1869.2	1867.3	1875.0	1861.5	1846.2	1828.8
45°	1790.4	1786.5	1780.8	1775.0	1773.1	1773.1	1775.0	1775.0	1753.8	1736.5	1732.7
47.5°	1688.5	1688.5	1680.8	1678.8	1678.8	1676.9	1676.9	1667.3	1651.9	1640.4	1634.6
50°	1590.4	1586.5	1578.8	1580.8	1580.8	1576.9	1573.1	1555.8	1550.0	1540.4	1534.6
52.5°	1490.4	1492.3	1478.8	1482.7	1480.8	1473.1	1463.5	1455.8	1450.0	1440.4	1434.6
55°	1384.6	1380.8	1376.9	1384.6	1380.8	1365.4	1357.7	1353.8	1348.1	1338.5	1334.6
57.5°	1284.6	1286.5	1276.9	1278.8	1273.1	1259.6	1259.6	1253.8	1250.0	1236.5	1232.7
60°	1178.8	1171.2	1175.0	1178.8	1161.5	1155.8	1157.7	1151.9	1148.1	1134.6	1130.8
62.5°	1073.1	1073.1	1073.1	1063.5	1059.6	1053.8	1055.8	1050.0	1042.3	1032.7	1030.8
65°	971.2	967.3	959.6	959.6	955.8	951.9	953.8	950.0	936.5	930.8	928.8
67.5°	867.3	859.6	855.8	857.7	851.9	848.1	850.0	846.2	834.6	826.9	826.9
70°	765.4	750.0	751.9	751.9	748.1	742.3	744.2	736.5	730.8	730.8	725.0
72.5°	657.7	651.9	648.1	646.2	644.2	638.5	638.5	632.7	630.8	628.8	625.0
75°	551.9	544.2	544.2	544.2	540.4	536.5	536.5	528.8	525.0	528.8	523.1
77.5°	442.3	438.5	438.5	438.5	432.7	430.8	432.7	425.0	426.9	423.1	419.2
80°	342.3	338.5	338.5	336.5	338.5	330.8	332.7	326.9	326.9	325.0	321.2
82.5°	246.2	242.3	240.4	238.5	236.5	234.6	236.5	234.6	230.8	226.9	223.1
85°	153.8	148.1	148.1	148.1	148.1	142.3	142.3	138.5	132.7	130.8	126.9
87.5°	67.3	63.5	59.6	57.7	59.6	53.8	55.8	53.8	50.0	48.1	44.2
90°	1.9	3.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.7	7.7
92.5°	11.5	15.4	15.4	15.4	15.4	17.3	17.3	17.3	15.4	15.4	17.3
95°	21.2	25.0	28.8	30.8	30.8	32.7	32.7	30.8	30.8	30.8	30.8
97.5°	30.8	34.6	36.5	38.5	40.4	44.2	46.2	48.1	48.1	48.1	48.1
100°	44.2	44.2	48.1	51.9	51.9	51.9	55.8	57.7	61.5	63.5	63.5
102.5°	59.6	57.7	57.7	59.6	63.5	67.3	65.4	65.4	69.2	71.2	75.0
105°	80.8	75.0	73.1	71.2	73.1	76.9	80.8	80.8	78.8	78.8	80.8
107.5°	105.8	96.2	90.4	88.5	86.5	88.5	90.4	94.2	96.2	96.2	94.2
110°	134.6	119.2	111.5	107.7	103.8	101.9	101.9	105.8	107.7	111.5	113.5



TEST NUMBER: P303108

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	167.3	148.1	136.5	130.8	125.0	121.2	117.3	117.3	119.2	123.1	126.9
115°	201.9	180.8	165.4	157.7	150.0	140.4	136.5	132.7	130.8	134.6	136.5
117.5°	238.5	217.3	196.2	186.5	178.8	167.3	155.8	151.9	148.1	144.2	146.2
120°	273.1	251.9	228.8	221.2	211.5	196.2	180.8	171.2	167.3	163.5	159.6
122.5°	311.5	288.5	263.5	253.8	246.2	226.9	211.5	198.1	188.5	182.7	176.9
125°	346.2	323.1	300.0	290.4	278.8	261.5	244.2	228.8	215.4	205.8	196.2
127.5°	378.8	357.7	334.6	325.0	317.3	294.2	278.8	261.5	248.1	236.5	225.0
130°	419.2	386.5	369.2	359.6	350.0	332.7	311.5	296.2	282.7	269.2	255.8
132.5°	448.1	426.9	398.1	392.3	382.7	363.5	348.1	330.8	317.3	301.9	288.5
135°	475.0	455.8	438.5	425.0	419.2	396.2	380.8	365.4	350.0	338.5	325.0
137.5°	505.8	484.6	463.5	459.6	448.1	432.7	419.2	400.0	386.5	371.2	359.6
140°	534.6	513.5	498.1	482.7	476.9	465.4	451.9	438.5	423.1	407.7	394.2
142.5°	561.5	540.4	523.1	515.4	505.8	492.3	478.8	469.2	457.7	446.2	432.7
145°	584.6	563.5	550.0	542.3	534.6	519.2	507.7	500.0	488.5	475.0	463.5
147.5°	603.8	588.5	573.1	569.2	553.8	544.2	536.5	525.0	521.2	505.8	498.1
150°	625.0	611.5	600.0	590.4	584.6	569.2	561.5	555.8	546.2	536.5	526.9
152.5°	644.2	632.7	619.2	615.4	607.7	594.2	584.6	575.0	571.2	561.5	551.9
155°	663.5	651.9	640.4	634.6	630.8	621.2	605.8	600.0	596.2	590.4	582.7
157.5°	680.8	667.3	657.7	655.8	646.2	638.5	632.7	623.1	621.2	609.6	605.8
160°	696.2	688.5	675.0	669.2	671.2	659.6	650.0	640.4	648.1	632.7	630.8
162.5°	711.5	701.9	698.1	690.4	688.5	682.7	675.0	665.4	659.6	663.5	650.0
165°	728.8	719.2	711.5	707.7	703.8	690.4	688.5	682.7	684.6	682.7	678.8
167.5°	736.5	728.8	726.9	719.2	719.2	715.4	707.7	700.0	701.9	701.9	692.3
170°	746.2	738.5	734.6	730.8	730.8	721.2	721.2	715.4	723.1	719.2	711.5
172.5°	755.8	748.1	744.2	746.2	740.4	738.5	732.7	728.8	732.7	736.5	732.7
175°	761.5	753.8	753.8	751.9	746.2	746.2	746.2	742.3	744.2	744.2	738.5
177.5°	767.3	761.5	753.8	759.6	759.6	753.8	750.0	755.8	753.8	765.4	755.8
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



TEST NUMBER: P303108

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3	2867.3
2.5°	2869.2	2865.4	2863.5	2857.7	2855.8	2850.0	2846.2	2850.0
5°	2853.8	2850.0	2848.1	2844.2	2844.2	2844.2	2844.2	2850.0
7.5°	2828.8	2825.0	2826.9	2823.1	2825.0	2826.9	2826.9	2828.8
10°	2798.1	2794.2	2792.3	2788.5	2790.4	2790.4	2790.4	2796.2
12.5°	2755.8	2751.9	2750.0	2746.2	2750.0	2753.8	2755.8	2757.7
15°	2713.5	2709.6	2707.7	2703.8	2707.7	2711.5	2709.6	2715.4
17.5°	2661.5	2657.7	2653.8	2650.0	2651.9	2653.8	2653.8	2655.8
20°	2598.1	2592.3	2588.5	2584.6	2586.5	2586.5	2590.4	2592.3
22.5°	2526.9	2521.2	2517.3	2515.4	2513.5	2513.5	2521.2	2523.1
25°	2461.5	2446.2	2444.2	2442.3	2440.4	2438.5	2444.2	2446.2
27.5°	2386.5	2373.1	2367.3	2363.5	2361.5	2357.7	2361.5	2373.1
30°	2303.8	2294.2	2288.5	2280.8	2280.8	2275.0	2280.8	2280.8
32.5°	2211.5	2209.6	2203.8	2201.9	2194.2	2188.5	2192.3	2203.8
35°	2115.4	2117.3	2117.3	2113.5	2101.9	2094.2	2096.2	2107.7
37.5°	2021.2	2013.5	2015.4	2007.7	1990.4	1982.7	1982.7	1988.5
40°	1909.6	1900.0	1901.9	1898.1	1892.3	1888.5	1890.4	1886.5
42.5°	1815.4	1805.8	1809.6	1803.8	1798.1	1792.3	1796.2	1794.2
45°	1719.2	1709.6	1707.7	1711.5	1701.9	1701.9	1700.0	1701.9
47.5°	1621.2	1613.5	1615.4	1615.4	1605.8	1605.8	1603.8	1609.6
50°	1523.1	1517.3	1517.3	1513.5	1509.6	1507.7	1507.7	1509.6
52.5°	1428.8	1419.2	1417.3	1421.2	1409.6	1411.5	1411.5	1409.6
55°	1325.0	1319.2	1319.2	1321.2	1311.5	1313.5	1313.5	1311.5
57.5°	1230.8	1221.2	1221.2	1223.1	1217.3	1215.4	1213.5	1215.4
60°	1130.8	1121.2	1121.2	1123.1	1111.5	1115.4	1115.4	1117.3
62.5°	1030.8	1026.9	1019.2	1017.3	1017.3	1015.4	1017.3	1015.4
65°	928.8	925.0	917.3	921.2	911.5	915.4	911.5	913.5
67.5°	826.9	823.1	817.3	819.2	811.5	815.4	815.4	815.4
70°	725.0	721.2	715.4	713.5	715.4	713.5	713.5	713.5
72.5°	623.1	621.2	613.5	613.5	615.4	613.5	609.6	611.5
75°	517.3	519.2	511.5	513.5	515.4	513.5	513.5	509.6
77.5°	413.5	415.4	413.5	409.6	411.5	411.5	409.6	407.7
80°	315.4	317.3	315.4	311.5	313.5	311.5	311.5	309.6
82.5°	217.3	219.2	215.4	211.5	213.5	211.5	209.6	207.7
85°	123.1	123.1	123.1	119.2	121.2	121.2	119.2	117.3
87.5°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	40.4
90°	7.7	9.6	7.7	7.7	7.7	7.7	7.7	7.7
92.5°	17.3	17.3	15.4	15.4	15.4	13.5	13.5	15.4
95°	30.8	32.7	30.8	30.8	30.8	30.8	30.8	30.8
97.5°	48.1	48.1	48.1	46.2	46.2	44.2	44.2	46.2
100°	65.4	65.4	65.4	65.4	65.4	63.5	63.5	65.4
102.5°	76.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8
105°	84.6	86.5	86.5	86.5	88.5	88.5	88.5	88.5
107.5°	94.2	96.2	96.2	96.2	96.2	96.2	98.1	96.2
110°	113.5	111.5	109.6	109.6	109.6	107.7	109.6	109.6



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	128.8	130.8	130.8	130.8	130.8	130.8	128.8	130.8
115°	140.4	142.3	142.3	144.2	144.2	144.2	146.2	146.2
117.5°	150.0	151.9	151.9	153.8	153.8	155.8	157.7	157.7
120°	159.6	161.5	161.5	161.5	163.5	163.5	163.5	165.4
122.5°	175.0	173.1	173.1	173.1	173.1	171.2	173.1	173.1
125°	194.2	190.4	188.5	188.5	186.5	184.6	184.6	184.6
127.5°	215.4	211.5	209.6	207.7	205.8	201.9	201.9	200.0
130°	244.2	236.5	234.6	230.8	225.0	223.1	223.1	221.2
132.5°	276.9	269.2	263.5	261.5	253.8	250.0	248.1	248.1
135°	313.5	303.8	300.0	296.2	288.5	282.7	282.7	278.8
137.5°	348.1	336.5	334.6	332.7	325.0	319.2	315.4	311.5
140°	380.8	373.1	367.3	367.3	359.6	351.9	350.0	346.2
142.5°	419.2	411.5	400.0	400.0	390.4	388.5	384.6	382.7
145°	451.9	444.2	440.4	440.4	428.8	426.9	421.2	423.1
147.5°	484.6	478.8	473.1	473.1	463.5	459.6	455.8	453.8
150°	517.3	509.6	505.8	505.8	498.1	492.3	490.4	488.5
152.5°	544.2	536.5	536.5	534.6	525.0	525.0	521.2	523.1
155°	573.1	565.4	567.3	563.5	557.7	553.8	551.9	551.9
157.5°	598.1	594.2	590.4	588.5	586.5	584.6	580.8	578.8
160°	625.0	621.2	617.3	615.4	615.4	611.5	607.7	611.5
162.5°	650.0	644.2	644.2	642.3	642.3	638.5	636.5	638.5
165°	671.2	667.3	667.3	667.3	663.5	667.3	661.5	661.5
167.5°	690.4	690.4	688.5	682.7	682.7	680.8	682.7	684.6
170°	707.7	709.6	705.8	703.8	703.8	703.8	703.8	703.8
172.5°	728.8	725.0	726.9	721.2	723.1	719.2	717.3	721.2
175°	742.3	740.4	740.4	740.4	734.6	736.5	732.7	730.8
177.5°	755.8	755.8	753.8	753.8	751.9	750.0	750.0	746.2
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3

(END OF REPORT)