

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: P303244

Luminaire Tested: **CTW-F-7525-50L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303244
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-8
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

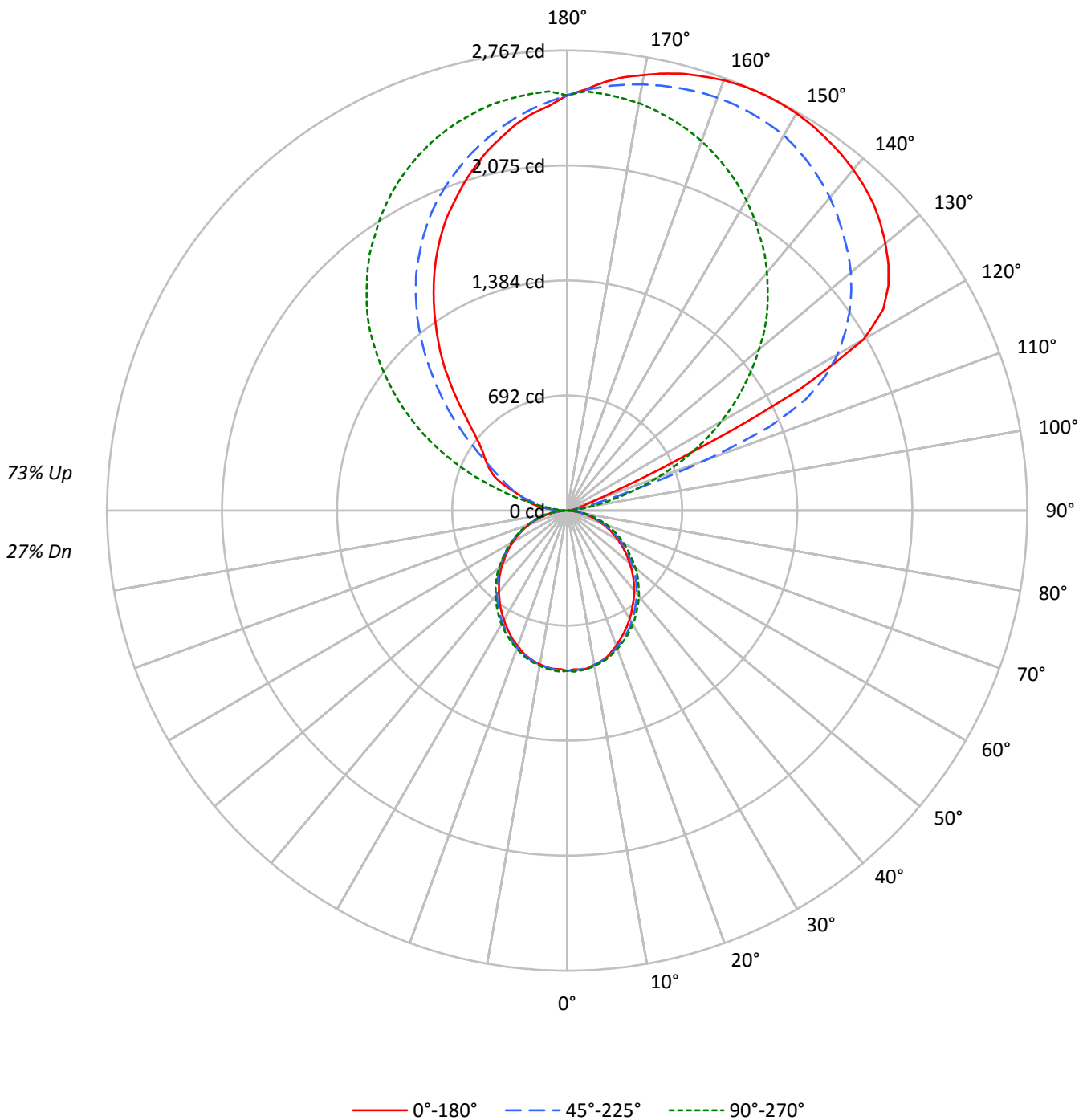
Lumens per Lamp: N/A
Luminaire Lumens: 9614.3 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73.7
Input Voltage (V): 120
Input Current (A_{in}): 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°	10371	10371	10371
5°	10369	10431	10327
10°	10299	10363	10258
15°	10180	10287	10157
20°	9891	10133	9935
25°	9615	9981	9707
30°	9345	9824	9441
35°	9047	9603	9223
40°	8809	9431	8972
45°	8547	9191	8782
50°	8180	8952	8534
55°	7940	8625	8300
60°	7617	8445	8073
65°	7297	8229	7837
70°	6839	7987	7566
75°	6317	7756	7199
80°	5244	7153	6558
85°	2853	6410	4989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	0.9
10°-20°	257.2	2.7
20°-30°	379.7	3.9
30°-40°	445.5	4.6
40°-50°	451.8	4.7
50°-60°	400.4	4.2
60°-70°	306.4	3.2
70°-80°	181.8	1.9
80°-90°	50.4	0.5
90°-100°	70.4	0.7
100°-110°	298.9	3.1
110°-120°	850.7	8.8
120°-130°	1243.2	12.9
130°-140°	1341.3	14.0
140°-150°	1276.8	13.3
150°-160°	1047.6	10.9
160°-170°	684.1	7.1
170°-180°	237.0	2.5
0°-30°	727.8	7.6
0°-40°	1173.3	12.2
0°-60°	2025.6	21.1
0°-90°	2564.3	26.7
90°-120°	1219.9	12.7
90°-150°	5081.3	52.9
90°-180°	7050.0	73.3
0°-180°	9614.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	964	964	964	964	964	
5°	960	958	965	958	956	91
15°	914	915	923	915	912	256
25°	810	829	840	829	817	373
35°	688	714	731	717	702	432
45°	562	585	604	592	577	432
55°	423	442	460	458	442	378
65°	286	302	323	317	308	283
75°	152	162	186	179	173	159
85°	23	35	52	46	40	33
90°	4	4	2	14	21	3
95°	17	21	52	96	92	19
105°	83	210	336	233	262	96
115°	804	1583	827	429	481	934
125°	2358	2071	1292	708	621	2088
135°	2606	2348	1702	1144	927	2010
145°	2725	2542	2017	1586	1381	1709
155°	2767	2633	2269	1952	1806	1279
165°	2719	2629	2435	2225	2140	771
175°	2586	2560	2515	2425	2396	249
180°	2496	2496	2496	2496	2496	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	955.8	955.8	957.7	961.5	961.5	961.5	963.5	965.4	963.5	967.3	961.5
5°	959.6	957.7	957.7	957.7	957.7	959.6	959.6	961.5	959.6	963.5	957.7
7.5°	955.8	953.8	953.8	951.9	950.0	950.0	951.9	953.8	951.9	955.8	951.9
10°	942.3	940.4	942.3	940.4	940.4	942.3	942.3	942.3	944.2	946.2	942.3
12.5°	928.8	928.8	926.9	926.9	926.9	926.9	928.8	930.8	930.8	932.7	930.8
15°	913.5	909.6	911.5	913.5	911.5	913.5	913.5	915.4	915.4	917.3	915.4
17.5°	888.5	888.5	890.4	892.3	892.3	892.3	894.2	894.2	896.2	898.1	896.2
20°	863.5	863.5	863.5	867.3	867.3	867.3	869.2	871.2	873.1	875.0	875.0
22.5°	836.5	836.5	836.5	840.4	840.4	840.4	844.2	846.2	848.1	850.0	851.9
25°	809.6	809.6	811.5	813.5	813.5	813.5	817.3	819.2	821.2	823.1	828.8
27.5°	780.8	780.8	782.7	784.6	786.5	788.5	790.4	792.3	796.2	798.1	803.8
30°	751.9	750.0	751.9	755.8	757.7	757.7	761.5	763.5	767.3	769.2	775.0
32.5°	721.2	719.2	721.2	725.0	726.9	726.9	730.8	732.7	736.5	738.5	746.2
35°	688.5	688.5	692.3	692.3	694.2	696.2	698.1	701.9	705.8	707.7	713.5
37.5°	659.6	657.7	661.5	661.5	663.5	665.4	667.3	671.2	675.0	678.8	682.7
40°	626.9	623.1	626.9	628.8	630.8	632.7	634.6	636.5	642.3	646.2	650.0
42.5°	594.2	590.4	594.2	596.2	600.0	600.0	600.0	603.8	609.6	613.5	617.3
45°	561.5	557.7	561.5	561.5	565.4	567.3	567.3	569.2	575.0	578.8	584.6
47.5°	526.9	526.9	528.8	530.8	532.7	532.7	534.6	536.5	540.4	548.1	550.0
50°	488.5	488.5	490.4	494.2	496.2	500.0	500.0	501.9	505.8	511.5	515.4
52.5°	455.8	453.8	455.8	457.7	459.6	461.5	461.5	463.5	467.3	473.1	476.9
55°	423.1	423.1	423.1	425.0	426.9	426.9	428.8	430.8	432.7	436.5	442.3
57.5°	388.5	388.5	390.4	390.4	392.3	392.3	394.2	396.2	398.1	401.9	407.7
60°	353.8	355.8	353.8	355.8	357.7	357.7	359.6	361.5	363.5	367.3	373.1
62.5°	321.2	321.2	321.2	321.2	323.1	323.1	325.0	326.9	330.8	332.7	336.5
65°	286.5	286.5	286.5	286.5	290.4	290.4	290.4	294.2	296.2	296.2	301.9
67.5°	251.9	253.8	251.9	253.8	255.8	255.8	255.8	259.6	261.5	263.5	265.4
70°	217.3	219.2	219.2	219.2	221.2	221.2	221.2	225.0	226.9	228.8	230.8
72.5°	184.6	184.6	186.5	186.5	186.5	186.5	188.5	190.4	192.3	194.2	196.2
75°	151.9	151.9	151.9	151.9	153.8	153.8	153.8	157.7	159.6	161.5	161.5
77.5°	117.3	119.2	117.3	117.3	119.2	119.2	121.2	123.1	125.0	128.8	130.8
80°	84.6	84.6	86.5	86.5	88.5	86.5	88.5	90.4	92.3	96.2	96.2
82.5°	53.8	53.8	53.8	55.8	55.8	57.7	57.7	57.7	59.6	63.5	65.4
85°	23.1	23.1	23.1	23.1	26.9	26.9	26.9	28.8	30.8	32.7	34.6
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.8	5.8
90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
92.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
95°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	19.2	19.2	21.2
97.5°	26.9	26.9	26.9	26.9	26.9	28.8	28.8	30.8	32.7	34.6	38.5
100°	40.4	40.4	42.3	42.3	42.3	44.2	44.2	48.1	51.9	57.7	67.3
102.5°	59.6	57.7	59.6	59.6	61.5	63.5	65.4	71.2	78.8	92.3	113.5
105°	82.7	80.8	82.7	84.6	88.5	92.3	96.2	107.7	125.0	155.8	209.6
107.5°	117.3	115.4	119.2	125.0	132.7	142.3	151.9	173.1	226.9	313.5	442.3
110°	173.1	180.8	188.5	205.8	230.8	257.7	275.0	367.3	480.8	667.3	880.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	332.7	357.7	380.8	438.5	519.2	594.2	638.5	844.2	1017.3	1200.0	1313.5
115°	803.8	863.5	882.7	1028.8	1151.9	1253.8	1298.1	1467.3	1542.3	1578.8	1582.7
117.5°	1567.3	1623.1	1623.1	1709.6	1778.8	1811.5	1815.4	1832.7	1819.2	1796.2	1750.0
120°	2057.7	2061.5	2069.2	2067.3	2069.2	2065.4	2051.9	2026.9	1980.8	1932.7	1876.9
122.5°	2253.8	2250.0	2244.2	2226.9	2207.7	2196.2	2175.0	2138.5	2092.3	2036.5	1978.8
125°	2357.7	2351.9	2344.2	2326.9	2301.9	2292.3	2267.3	2226.9	2180.8	2126.9	2071.2
127.5°	2434.6	2428.8	2419.2	2403.8	2378.8	2367.3	2344.2	2301.9	2257.7	2209.6	2153.8
130°	2498.1	2492.3	2482.7	2473.1	2450.0	2434.6	2413.5	2371.2	2330.8	2280.8	2226.9
132.5°	2555.8	2548.1	2538.5	2530.8	2507.7	2496.2	2473.1	2434.6	2394.2	2346.2	2290.4
135°	2605.8	2596.2	2584.6	2576.9	2555.8	2542.3	2521.2	2486.5	2448.1	2401.9	2348.1
137.5°	2644.2	2634.6	2625.0	2613.5	2596.2	2576.9	2565.4	2534.6	2496.2	2453.8	2405.8
140°	2676.9	2669.2	2659.6	2651.9	2632.7	2613.5	2601.9	2575.0	2538.5	2501.9	2457.7
142.5°	2703.8	2698.1	2688.5	2678.8	2661.5	2644.2	2634.6	2609.6	2580.8	2542.3	2501.9
145°	2725.0	2719.2	2711.5	2703.8	2686.5	2673.1	2661.5	2644.2	2615.4	2576.9	2542.3
147.5°	2744.2	2738.5	2732.7	2725.0	2707.7	2698.1	2688.5	2669.2	2640.4	2605.8	2576.9
150°	2757.7	2751.9	2746.2	2740.4	2723.1	2713.5	2707.7	2688.5	2663.5	2628.8	2605.8
152.5°	2765.4	2759.6	2753.8	2750.0	2732.7	2723.1	2717.3	2700.0	2675.0	2644.2	2621.2
155°	2767.3	2763.5	2757.7	2751.9	2734.6	2723.1	2721.2	2703.8	2682.7	2653.8	2632.7
157.5°	2763.5	2757.7	2751.9	2746.2	2728.8	2721.2	2717.3	2703.8	2684.6	2661.5	2640.4
160°	2753.8	2748.1	2746.2	2738.5	2725.0	2719.2	2715.4	2703.8	2686.5	2665.4	2642.3
162.5°	2736.5	2734.6	2732.7	2726.9	2717.3	2711.5	2709.6	2698.1	2680.8	2663.5	2638.5
165°	2719.2	2715.4	2711.5	2705.8	2698.1	2694.2	2690.4	2682.7	2665.4	2653.8	2628.8
167.5°	2692.3	2686.5	2682.7	2676.9	2667.3	2669.2	2665.4	2661.5	2648.1	2642.3	2617.3
170°	2659.6	2657.7	2651.9	2648.1	2642.3	2644.2	2642.3	2638.5	2626.9	2623.1	2601.9
172.5°	2628.8	2623.1	2621.2	2617.3	2611.5	2609.6	2611.5	2607.7	2601.9	2603.8	2582.7
175°	2586.5	2580.8	2580.8	2576.9	2573.1	2575.0	2576.9	2578.8	2571.2	2578.8	2559.6
177.5°	2534.6	2530.8	2534.6	2538.5	2536.5	2540.4	2542.3	2544.2	2540.4	2548.1	2530.8
180°	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	957.7	957.7	957.7	957.7	957.7	957.7	957.7	961.5	967.3	969.2	967.3
5°	953.8	955.8	953.8	955.8	955.8	955.8	955.8	959.6	963.5	965.4	963.5
7.5°	948.1	950.0	948.1	948.1	950.0	948.1	950.0	951.9	955.8	957.7	955.8
10°	938.5	938.5	938.5	940.4	940.4	940.4	940.4	944.2	948.1	948.1	946.2
12.5°	925.0	926.9	926.9	928.8	928.8	926.9	928.8	932.7	934.6	936.5	934.6
15°	911.5	911.5	911.5	913.5	913.5	913.5	913.5	917.3	921.2	923.1	921.2
17.5°	890.4	892.3	892.3	894.2	894.2	896.2	894.2	900.0	901.9	903.8	901.9
20°	871.2	871.2	873.1	873.1	875.0	875.0	875.0	878.8	882.7	884.6	882.7
22.5°	848.1	850.0	850.0	851.9	853.8	851.9	853.8	857.7	859.6	861.5	861.5
25°	823.1	825.0	825.0	828.8	828.8	828.8	828.8	832.7	836.5	840.4	838.5
27.5°	798.1	798.1	800.0	803.8	803.8	805.8	805.8	809.6	813.5	815.4	813.5
30°	771.2	771.2	773.1	775.0	776.9	776.9	778.8	782.7	786.5	790.4	786.5
32.5°	744.2	742.3	746.2	748.1	750.0	750.0	750.0	755.8	757.7	761.5	759.6
35°	713.5	711.5	715.4	717.3	719.2	719.2	723.1	725.0	728.8	730.8	728.8
37.5°	684.6	682.7	686.5	688.5	688.5	690.4	692.3	696.2	700.0	701.9	701.9
40°	653.8	651.9	653.8	657.7	657.7	659.6	661.5	663.5	665.4	671.2	669.2
42.5°	623.1	621.2	623.1	625.0	626.9	626.9	630.8	630.8	636.5	636.5	636.5
45°	586.5	588.5	590.4	594.2	594.2	592.3	596.2	598.1	603.8	603.8	601.9
47.5°	553.8	555.8	555.8	561.5	561.5	559.6	563.5	565.4	569.2	571.2	569.2
50°	519.2	521.2	523.1	526.9	526.9	526.9	528.8	532.7	534.6	534.6	534.6
52.5°	478.8	480.8	484.6	490.4	490.4	490.4	494.2	494.2	498.1	498.1	500.0
55°	444.2	446.2	450.0	453.8	453.8	455.8	457.7	459.6	461.5	459.6	461.5
57.5°	409.6	413.5	417.3	419.2	419.2	421.2	423.1	425.0	426.9	426.9	426.9
60°	375.0	376.9	378.8	384.6	384.6	386.5	388.5	390.4	390.4	392.3	392.3
62.5°	340.4	344.2	346.2	348.1	351.9	350.0	353.8	353.8	355.8	357.7	357.7
65°	303.8	305.8	309.6	313.5	313.5	315.4	319.2	319.2	321.2	323.1	323.1
67.5°	269.2	275.0	275.0	278.8	280.8	280.8	282.7	286.5	286.5	288.5	288.5
70°	232.7	238.5	240.4	242.3	244.2	246.2	248.1	250.0	251.9	253.8	253.8
72.5°	200.0	203.8	205.8	207.7	209.6	209.6	213.5	213.5	217.3	219.2	219.2
75°	163.5	167.3	169.2	173.1	175.0	176.9	178.8	178.8	182.7	186.5	184.6
77.5°	132.7	134.6	136.5	138.5	140.4	142.3	144.2	146.2	148.1	150.0	150.0
80°	100.0	101.9	101.9	105.8	107.7	109.6	111.5	113.5	113.5	115.4	117.3
82.5°	67.3	69.2	71.2	73.1	75.0	76.9	78.8	80.8	80.8	82.7	82.7
85°	36.5	38.5	40.4	42.3	44.2	46.2	48.1	50.0	50.0	51.9	51.9
87.5°	7.7	9.6	11.5	13.5	15.4	17.3	19.2	21.2	21.2	23.1	23.1
90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9
92.5°	9.6	11.5	11.5	15.4	17.3	19.2	23.1	26.9	23.1	19.2	21.2
95°	23.1	28.8	34.6	46.2	53.8	61.5	73.1	73.1	59.6	51.9	48.1
97.5°	46.2	57.7	76.9	103.8	121.2	132.7	146.2	138.5	115.4	96.2	86.5
100°	82.7	111.5	148.1	207.7	232.7	246.2	250.0	228.8	190.4	159.6	138.5
102.5°	148.1	215.4	298.1	373.1	396.2	400.0	375.0	336.5	284.6	238.5	205.8
105°	294.2	425.0	528.8	592.3	600.0	586.5	528.8	467.3	398.1	336.5	286.5
107.5°	621.2	755.8	809.6	813.5	796.2	763.5	690.4	619.2	523.1	448.1	382.7
110°	1028.8	1075.0	1051.9	1005.8	971.2	919.2	834.6	755.8	653.8	575.0	496.2



TEST NUMBER: P303244

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1330.8	1307.7	1246.2	1163.5	1115.4	1069.2	980.8	894.2	784.6	701.9	617.3
115°	1536.5	1475.0	1396.2	1303.8	1250.0	1207.7	1119.2	1015.4	911.5	826.9	738.5
117.5°	1684.6	1601.9	1521.2	1434.6	1384.6	1336.5	1246.2	1144.2	1034.6	951.9	861.5
120°	1798.1	1719.2	1634.6	1551.9	1500.0	1459.6	1369.2	1261.5	1157.7	1067.3	986.5
122.5°	1901.9	1821.2	1742.3	1663.5	1617.3	1571.2	1473.1	1369.2	1269.2	1186.5	1101.9
125°	1996.2	1915.4	1840.4	1765.4	1715.4	1667.3	1571.2	1475.0	1378.8	1292.3	1217.3
127.5°	2082.7	2007.7	1930.8	1859.6	1807.7	1759.6	1667.3	1573.1	1486.5	1401.9	1326.9
130°	2159.6	2092.3	2017.3	1946.2	1892.3	1846.2	1757.7	1669.2	1586.5	1505.8	1428.8
132.5°	2230.8	2167.3	2096.2	2019.2	1967.3	1926.9	1844.2	1759.6	1684.6	1609.6	1530.8
135°	2298.1	2230.8	2161.5	2086.5	2038.5	2001.9	1919.2	1840.4	1771.2	1701.9	1628.8
137.5°	2361.5	2284.6	2219.2	2146.2	2103.8	2069.2	1994.2	1921.2	1855.8	1784.6	1719.2
140°	2409.6	2336.5	2269.2	2200.0	2165.4	2134.6	2061.5	1994.2	1934.6	1869.2	1805.8
142.5°	2451.9	2378.8	2319.2	2251.9	2219.2	2192.3	2125.0	2063.5	2009.6	1950.0	1886.5
145°	2484.6	2417.3	2363.5	2301.9	2273.1	2246.2	2180.8	2126.9	2076.9	2017.3	1961.5
147.5°	2515.4	2453.8	2403.8	2346.2	2323.1	2296.2	2236.5	2188.5	2142.3	2090.4	2034.6
150°	2540.4	2486.5	2438.5	2386.5	2365.4	2340.4	2286.5	2242.3	2200.0	2155.8	2103.8
152.5°	2559.6	2513.5	2471.2	2423.1	2403.8	2380.8	2334.6	2296.2	2257.7	2215.4	2167.3
155°	2573.1	2536.5	2498.1	2457.7	2436.5	2419.2	2375.0	2342.3	2309.6	2269.2	2225.0
157.5°	2586.5	2553.8	2515.4	2480.8	2465.4	2446.2	2409.6	2382.7	2353.8	2319.2	2278.8
160°	2592.3	2565.4	2530.8	2501.9	2488.5	2473.1	2438.5	2417.3	2392.3	2363.5	2326.9
162.5°	2594.2	2571.2	2542.3	2519.2	2507.7	2494.2	2463.5	2446.2	2426.9	2401.9	2367.3
165°	2594.2	2575.0	2551.9	2532.7	2523.1	2511.5	2484.6	2471.2	2453.8	2434.6	2403.8
167.5°	2588.5	2573.1	2553.8	2538.5	2530.8	2519.2	2500.0	2492.3	2478.8	2463.5	2438.5
170°	2578.8	2567.3	2551.9	2542.3	2534.6	2525.0	2511.5	2505.8	2500.0	2488.5	2463.5
172.5°	2565.4	2555.8	2544.2	2538.5	2534.6	2526.9	2513.5	2515.4	2511.5	2501.9	2484.6
175°	2546.2	2540.4	2534.6	2530.8	2526.9	2521.2	2513.5	2517.3	2519.2	2515.4	2500.0
177.5°	2521.2	2519.2	2517.3	2517.3	2511.5	2511.5	2507.7	2515.4	2523.1	2523.1	2511.5
180°	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2



TEST NUMBER: P303244

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	963.5	959.6	957.7	957.7	957.7	955.8	955.8	957.7	961.5	967.3	961.5
5°	961.5	955.8	955.8	955.8	955.8	953.8	951.9	953.8	957.7	963.5	957.7
7.5°	953.8	950.0	948.1	948.1	948.1	946.2	946.2	946.2	950.0	955.8	950.0
10°	944.2	940.4	940.4	940.4	938.5	936.5	936.5	936.5	942.3	946.2	940.4
12.5°	932.7	928.8	928.8	926.9	926.9	925.0	923.1	925.0	930.8	932.7	928.8
15°	917.3	913.5	913.5	913.5	911.5	911.5	909.6	909.6	915.4	917.3	913.5
17.5°	900.0	896.2	894.2	896.2	894.2	892.3	892.3	892.3	896.2	898.1	892.3
20°	878.8	875.0	875.0	873.1	873.1	871.2	871.2	871.2	876.9	875.0	871.2
22.5°	857.7	853.8	853.8	851.9	851.9	850.0	848.1	848.1	855.8	850.0	848.1
25°	834.6	830.8	830.8	828.8	826.9	825.0	825.0	825.0	828.8	825.0	823.1
27.5°	811.5	807.7	807.7	805.8	803.8	800.0	800.0	800.0	805.8	800.0	800.0
30°	782.7	780.8	780.8	778.8	775.0	773.1	773.1	775.0	778.8	773.1	771.2
32.5°	755.8	751.9	751.9	751.9	748.1	746.2	746.2	748.1	750.0	744.2	742.3
35°	725.0	723.1	723.1	721.2	717.3	717.3	715.4	717.3	717.3	713.5	711.5
37.5°	696.2	694.2	692.3	692.3	688.5	688.5	688.5	690.4	688.5	684.6	682.7
40°	665.4	663.5	661.5	659.6	657.7	657.7	657.7	661.5	657.7	653.8	651.9
42.5°	634.6	632.7	630.8	628.8	626.9	626.9	626.9	628.8	625.0	623.1	621.2
45°	600.0	600.0	598.1	596.2	596.2	596.2	594.2	596.2	592.3	590.4	586.5
47.5°	567.3	567.3	565.4	565.4	563.5	563.5	563.5	563.5	559.6	559.6	555.8
50°	534.6	532.7	530.8	532.7	532.7	530.8	530.8	528.8	526.9	526.9	521.2
52.5°	498.1	500.0	494.2	496.2	498.1	494.2	494.2	492.3	492.3	488.5	484.6
55°	461.5	461.5	461.5	461.5	463.5	459.6	457.7	455.8	457.7	453.8	450.0
57.5°	426.9	426.9	426.9	426.9	428.8	425.0	423.1	425.0	423.1	419.2	417.3
60°	394.2	392.3	392.3	392.3	394.2	390.4	390.4	388.5	388.5	382.7	382.7
62.5°	359.6	357.7	359.6	357.7	359.6	357.7	353.8	355.8	353.8	350.0	348.1
65°	325.0	323.1	325.0	323.1	323.1	321.2	319.2	319.2	317.3	315.4	313.5
67.5°	290.4	288.5	288.5	288.5	290.4	286.5	288.5	284.6	282.7	282.7	278.8
70°	253.8	253.8	253.8	251.9	253.8	250.0	250.0	250.0	248.1	246.2	244.2
72.5°	221.2	219.2	219.2	217.3	219.2	217.3	215.4	215.4	213.5	213.5	211.5
75°	184.6	184.6	184.6	184.6	184.6	182.7	180.8	180.8	178.8	178.8	176.9
77.5°	150.0	150.0	150.0	150.0	150.0	150.0	146.2	146.2	146.2	146.2	142.3
80°	117.3	117.3	117.3	115.4	117.3	115.4	113.5	113.5	113.5	111.5	109.6
82.5°	84.6	84.6	84.6	82.7	84.6	82.7	82.7	80.8	78.8	78.8	75.0
85°	51.9	53.8	53.8	51.9	51.9	51.9	51.9	48.1	46.2	46.2	44.2
87.5°	23.1	23.1	23.1	21.2	21.2	21.2	19.2	19.2	17.3	17.3	17.3
90°	3.8	5.8	7.7	9.6	9.6	11.5	13.5	13.5	13.5	13.5	15.4
92.5°	30.8	40.4	42.3	46.2	44.2	46.2	46.2	44.2	46.2	42.3	44.2
95°	53.8	61.5	75.0	82.7	88.5	98.1	101.9	100.0	96.2	94.2	96.2
97.5°	84.6	92.3	98.1	100.0	103.8	117.3	130.8	140.4	148.1	151.9	155.8
100°	130.8	125.0	132.7	138.5	142.3	140.4	146.2	157.7	167.3	175.0	182.7
102.5°	188.5	173.1	167.3	171.2	176.9	188.5	188.5	186.5	190.4	196.2	207.7
105°	255.8	234.6	219.2	217.3	217.3	225.0	238.5	244.2	232.7	232.7	236.5
107.5°	338.5	303.8	280.8	273.1	271.2	267.3	276.9	292.3	301.9	300.0	288.5
110°	432.7	386.5	353.8	340.4	332.7	321.2	323.1	328.8	340.4	355.8	365.4



TEST NUMBER: P303244

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	544.2	486.5	436.5	419.2	400.0	384.6	373.1	375.0	380.8	392.3	405.8
115°	661.5	596.2	532.7	509.6	486.5	451.9	432.7	426.9	428.8	432.7	440.4
117.5°	780.8	709.6	638.5	609.6	582.7	542.3	505.8	486.5	478.8	476.9	484.6
120°	901.9	823.1	753.8	721.2	688.5	642.3	594.2	557.7	542.3	530.8	530.8
122.5°	1021.2	944.2	867.3	834.6	798.1	744.2	692.3	646.2	615.4	592.3	582.7
125°	1134.6	1063.5	982.7	951.9	913.5	853.8	796.2	748.1	707.7	671.2	648.1
127.5°	1246.2	1176.9	1096.2	1065.4	1030.8	967.3	913.5	855.8	813.5	767.3	732.7
130°	1355.8	1286.5	1209.6	1178.8	1146.2	1084.6	1021.2	965.4	923.1	876.9	838.5
132.5°	1459.6	1390.4	1321.2	1286.5	1253.8	1196.2	1134.6	1078.8	1032.7	988.5	951.9
135°	1561.5	1488.5	1423.1	1390.4	1357.7	1303.8	1246.2	1194.2	1144.2	1098.1	1061.5
137.5°	1653.8	1586.5	1523.1	1490.4	1459.6	1407.7	1357.7	1309.6	1259.6	1211.5	1171.2
140°	1742.3	1676.9	1617.3	1588.5	1557.7	1505.8	1461.5	1419.2	1373.1	1317.3	1282.7
142.5°	1826.9	1761.5	1709.6	1680.8	1648.1	1603.8	1559.6	1521.2	1482.7	1434.6	1394.2
145°	1905.8	1840.4	1792.3	1767.3	1736.5	1694.2	1651.9	1617.3	1586.5	1538.5	1501.9
147.5°	1980.8	1921.2	1875.0	1848.1	1823.1	1782.7	1742.3	1709.6	1688.5	1640.4	1605.8
150°	2053.8	1992.3	1951.9	1926.9	1901.9	1865.4	1828.8	1798.1	1778.8	1738.5	1705.8
152.5°	2119.2	2063.5	2026.9	2003.8	1980.8	1944.2	1909.6	1880.8	1867.3	1825.0	1805.8
155°	2182.7	2128.8	2096.2	2076.9	2053.8	2013.5	1986.5	1957.7	1951.9	1915.4	1888.5
157.5°	2238.5	2190.4	2157.7	2138.5	2119.2	2084.6	2057.7	2034.6	2028.8	1996.2	1971.2
160°	2286.5	2244.2	2215.4	2200.0	2182.7	2148.1	2123.1	2103.8	2096.2	2073.1	2050.0
162.5°	2334.6	2294.2	2269.2	2253.8	2240.4	2207.7	2186.5	2167.3	2161.5	2146.2	2123.1
165°	2375.0	2338.5	2315.4	2303.8	2292.3	2263.5	2244.2	2226.9	2225.0	2213.5	2188.5
167.5°	2411.5	2378.8	2359.6	2350.0	2338.5	2313.5	2298.1	2282.7	2280.8	2278.8	2251.9
170°	2440.4	2413.5	2396.2	2388.5	2380.8	2357.7	2344.2	2332.7	2332.7	2334.6	2311.5
172.5°	2465.4	2442.3	2430.8	2421.2	2417.3	2396.2	2386.5	2376.9	2380.8	2384.6	2363.5
175°	2484.6	2465.4	2453.8	2450.0	2446.2	2428.8	2423.1	2419.2	2425.0	2432.7	2411.5
177.5°	2501.9	2484.6	2478.8	2475.0	2473.1	2459.6	2457.7	2453.8	2461.5	2473.1	2455.8
180°	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2



TEST NUMBER: P303244

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	963.5	963.5	963.5	961.5	959.6	957.7	953.8	953.8
5°	959.6	959.6	957.7	957.7	955.8	955.8	953.8	955.8
7.5°	951.9	951.9	950.0	950.0	950.0	950.0	948.1	950.0
10°	942.3	942.3	938.5	938.5	938.5	938.5	938.5	938.5
12.5°	928.8	926.9	926.9	925.0	925.0	926.9	926.9	926.9
15°	913.5	913.5	911.5	909.6	911.5	911.5	911.5	911.5
17.5°	894.2	892.3	892.3	890.4	892.3	892.3	890.4	892.3
20°	871.2	869.2	869.2	867.3	869.2	867.3	867.3	867.3
22.5°	846.2	844.2	844.2	842.3	844.2	844.2	844.2	844.2
25°	821.2	819.2	817.3	817.3	817.3	817.3	817.3	817.3
27.5°	796.2	794.2	792.3	792.3	792.3	790.4	790.4	788.5
30°	767.3	767.3	763.5	763.5	763.5	761.5	761.5	759.6
32.5°	740.4	738.5	736.5	734.6	734.6	732.7	730.8	730.8
35°	709.6	707.7	705.8	703.8	703.8	701.9	700.0	701.9
37.5°	680.8	678.8	675.0	675.0	675.0	671.2	671.2	669.2
40°	648.1	644.2	644.2	644.2	642.3	640.4	640.4	638.5
42.5°	615.4	613.5	611.5	611.5	611.5	607.7	607.7	607.7
45°	584.6	582.7	582.7	578.8	578.8	575.0	575.0	576.9
47.5°	550.0	550.0	550.0	548.1	546.2	544.2	544.2	544.2
50°	517.3	517.3	513.5	513.5	513.5	511.5	509.6	509.6
52.5°	480.8	478.8	478.8	476.9	475.0	475.0	475.0	475.0
55°	446.2	446.2	446.2	444.2	442.3	442.3	440.4	442.3
57.5°	413.5	413.5	413.5	411.5	409.6	409.6	407.7	409.6
60°	380.8	378.8	378.8	376.9	375.0	376.9	375.0	375.0
62.5°	346.2	344.2	346.2	344.2	342.3	340.4	340.4	342.3
65°	313.5	311.5	311.5	309.6	307.7	307.7	307.7	307.7
67.5°	278.8	276.9	276.9	275.0	275.0	275.0	275.0	275.0
70°	244.2	242.3	242.3	240.4	240.4	240.4	240.4	240.4
72.5°	211.5	209.6	209.6	207.7	207.7	207.7	207.7	207.7
75°	176.9	175.0	175.0	175.0	175.0	173.1	173.1	173.1
77.5°	144.2	142.3	142.3	142.3	140.4	140.4	140.4	140.4
80°	111.5	109.6	109.6	109.6	107.7	107.7	107.7	105.8
82.5°	76.9	75.0	75.0	76.9	73.1	75.0	73.1	73.1
85°	44.2	42.3	42.3	42.3	42.3	42.3	42.3	40.4
87.5°	17.3	15.4	15.4	17.3	15.4	17.3	17.3	17.3
90°	15.4	15.4	17.3	17.3	19.2	19.2	21.2	21.2
92.5°	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
95°	94.2	94.2	94.2	94.2	94.2	94.2	94.2	92.3
97.5°	157.7	155.8	155.8	155.8	155.8	153.8	151.9	151.9
100°	188.5	194.2	196.2	198.1	200.0	201.9	203.8	201.9
102.5°	215.4	219.2	221.2	223.1	225.0	226.9	228.8	228.8
105°	240.4	242.3	244.2	248.1	253.8	259.6	261.5	261.5
107.5°	288.5	288.5	290.4	292.3	290.4	292.3	292.3	292.3
110°	365.4	353.8	351.9	348.1	342.3	344.2	344.2	344.2



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	415.4	423.1	426.9	426.9	426.9	428.8	423.1	421.2
115°	453.8	461.5	465.4	467.3	473.1	478.8	480.8	480.8
117.5°	492.3	501.9	505.8	507.7	513.5	519.2	521.2	521.2
120°	534.6	538.5	542.3	542.3	548.1	551.9	553.8	553.8
122.5°	576.9	576.9	580.8	580.8	584.6	584.6	588.5	586.5
125°	632.7	625.0	626.9	621.2	623.1	623.1	623.1	621.2
127.5°	707.7	690.4	688.5	680.8	675.0	673.1	669.2	667.3
130°	801.9	775.0	767.3	757.7	748.1	742.3	730.8	732.7
132.5°	911.5	876.9	867.3	855.8	842.3	828.8	821.2	821.2
135°	1025.0	990.4	978.8	965.4	950.0	934.6	926.9	926.9
137.5°	1134.6	1103.8	1092.3	1080.8	1063.5	1051.9	1036.5	1040.4
140°	1250.0	1215.4	1203.8	1192.3	1180.8	1159.6	1153.8	1159.6
142.5°	1361.5	1325.0	1315.4	1303.8	1292.3	1276.9	1265.4	1271.2
145°	1471.2	1434.6	1425.0	1413.5	1403.8	1382.7	1380.8	1380.8
147.5°	1578.8	1546.2	1536.5	1525.0	1515.4	1500.0	1492.3	1494.2
150°	1680.8	1651.9	1642.3	1630.8	1621.2	1601.9	1596.2	1601.9
152.5°	1778.8	1751.9	1742.3	1730.8	1723.1	1705.8	1701.9	1707.7
155°	1869.2	1842.3	1834.6	1823.1	1817.3	1803.8	1803.8	1805.8
157.5°	1953.8	1932.7	1923.1	1915.4	1909.6	1894.2	1894.2	1900.0
160°	2036.5	2017.3	2011.5	2000.0	1994.2	1982.7	1980.8	1978.8
162.5°	2115.4	2098.1	2090.4	2082.7	2076.9	2067.3	2063.5	2063.5
165°	2178.8	2167.3	2159.6	2155.8	2151.9	2144.2	2140.4	2140.4
167.5°	2248.1	2232.7	2226.9	2219.2	2217.3	2211.5	2209.6	2215.4
170°	2303.8	2296.2	2288.5	2282.7	2278.8	2275.0	2273.1	2278.8
172.5°	2359.6	2351.9	2348.1	2342.3	2340.4	2338.5	2338.5	2344.2
175°	2411.5	2405.8	2400.0	2394.2	2394.2	2390.4	2392.3	2396.2
177.5°	2457.7	2453.8	2451.9	2446.2	2442.3	2438.5	2436.5	2436.5
180°	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2	2496.2

(END OF REPORT)