

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: P303246

Luminaire Tested: **CTW-F-7525-50L840-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303246  
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-7525-50L840-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10191.2 lumens  
Efficiency: N/A  
Efficacy: 138.3 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

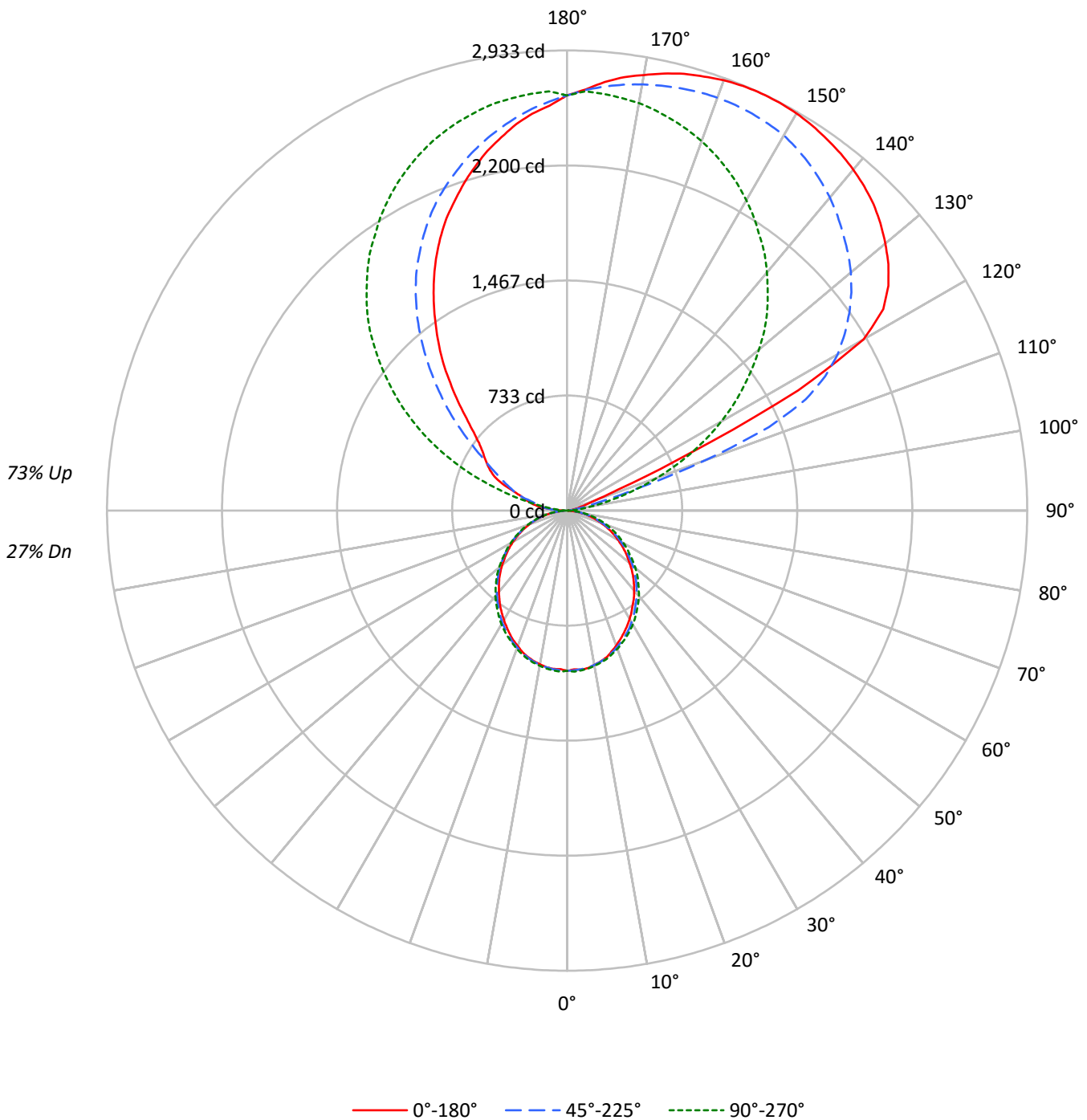
Input Watts (W): 73.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	10993	10993	10993
5°	10991	11057	10947
10°	10917	10985	10873
15°	10790	10904	10767
20°	10485	10741	10530
25°	10193	10580	10289
30°	9906	10413	10008
35°	9590	10178	9776
40°	9337	9996	9510
45°	9060	9744	9309
50°	8671	9490	9046
55°	8417	9143	8798
60°	8075	8951	8557
65°	7735	8723	8308
70°	7248	8469	8019
75°	6696	8222	7632
80°	5560	7581	6949
85°	3026	6793	5286



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	0.9
10°-20°	272.7	2.7
20°-30°	402.5	3.9
30°-40°	472.2	4.6
40°-50°	478.9	4.7
50°-60°	424.4	4.2
60°-70°	324.8	3.2
70°-80°	192.8	1.9
80°-90°	53.4	0.5
90°-100°	74.6	0.7
100°-110°	316.8	3.1
110°-120°	901.7	8.8
120°-130°	1317.8	12.9
130°-140°	1421.8	14.0
140°-150°	1353.4	13.3
150°-160°	1110.5	10.9
160°-170°	725.1	7.1
170°-180°	251.2	2.5
0°-30°	771.5	7.6
0°-40°	1243.7	12.2
0°-60°	2147.1	21.1
0°-90°	2718.1	26.7
90°-120°	1293.1	12.7
90°-150°	5386.2	52.9
90°-180°	7473.0	73.3
0°-180°	10191.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1021	1021	1021	1021	1021	
5°	1017	1015	1023	1015	1013	97
15°	968	970	978	970	966	272
25°	858	879	891	879	866	395
35°	730	756	775	760	744	458
45°	595	620	640	628	612	458
55°	448	469	487	485	469	400
65°	304	320	342	336	326	300
75°	161	171	198	190	184	169
85°	24	37	55	49	43	35
90°	4	4	2	14	22	3
95°	18	22	55	102	98	20
105°	88	222	357	247	277	102
115°	852	1678	876	455	510	990
125°	2499	2195	1370	750	658	2213
135°	2762	2489	1804	1213	982	2131
145°	2888	2695	2138	1682	1464	1812
155°	2933	2791	2405	2069	1914	1356
165°	2882	2787	2581	2358	2269	817
175°	2742	2713	2666	2570	2540	264
180°	2646	2646	2646	2646	2646	



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3
2.5°	1013.1	1013.1	1015.2	1019.2	1019.2	1019.2	1021.3	1023.3	1021.3	1025.3	1019.2
5°	1017.2	1015.2	1015.2	1015.2	1015.2	1017.2	1017.2	1019.2	1017.2	1021.3	1015.2
7.5°	1013.1	1011.1	1011.1	1009.0	1007.0	1007.0	1009.0	1011.1	1009.0	1013.1	1009.0
10°	998.8	996.8	998.8	996.8	996.8	998.8	998.8	998.8	1000.9	1002.9	998.8
12.5°	984.6	984.6	982.5	982.5	982.5	982.5	984.6	986.6	986.6	988.7	986.6
15°	968.3	964.2	966.2	968.3	966.2	968.3	968.3	970.3	970.3	972.3	970.3
17.5°	941.8	941.8	943.8	945.8	945.8	945.8	947.9	947.9	949.9	952.0	949.9
20°	915.3	915.3	915.3	919.3	919.3	919.3	921.4	923.4	925.5	927.5	927.5
22.5°	886.7	886.7	886.7	890.8	890.8	890.8	894.9	896.9	899.0	901.0	903.0
25°	858.2	858.2	860.2	862.3	862.3	862.3	866.3	868.4	870.4	872.5	878.6
27.5°	827.6	827.6	829.7	831.7	833.7	835.8	837.8	839.8	843.9	846.0	852.1
30°	797.0	795.0	797.0	801.1	803.2	803.2	807.2	809.3	813.3	815.4	821.5
32.5°	764.4	762.4	764.4	768.5	770.5	770.5	774.6	776.7	780.7	782.8	790.9
35°	729.8	729.8	733.8	733.8	735.9	737.9	740.0	744.0	748.1	750.2	756.3
37.5°	699.2	697.2	701.2	701.2	703.3	705.3	707.3	711.4	715.5	719.6	723.7
40°	664.5	660.5	664.5	666.6	668.6	670.7	672.7	674.7	680.8	684.9	689.0
42.5°	629.9	625.8	629.9	631.9	636.0	636.0	636.0	640.1	646.2	650.3	654.3
45°	595.2	591.2	595.2	595.2	599.3	601.3	601.3	603.4	609.5	613.6	619.7
47.5°	558.5	558.5	560.6	562.6	564.7	564.7	566.7	568.7	572.8	581.0	583.0
50°	517.8	517.8	519.8	523.9	525.9	530.0	530.0	532.0	536.1	542.2	546.3
52.5°	483.1	481.1	483.1	485.2	487.2	489.2	489.2	491.3	495.3	501.5	505.5
55°	448.5	448.5	448.5	450.5	452.5	452.5	454.6	456.6	458.7	462.7	468.8
57.5°	411.8	411.8	413.8	413.8	415.8	415.8	417.9	419.9	422.0	426.0	432.2
60°	375.1	377.1	375.1	377.1	379.2	379.2	381.2	383.2	385.3	389.3	395.5
62.5°	340.4	340.4	340.4	340.4	342.5	342.5	344.5	346.5	350.6	352.7	356.7
65°	303.7	303.7	303.7	303.7	307.8	307.8	307.8	311.9	313.9	313.9	320.0
67.5°	267.0	269.1	267.0	269.1	271.1	271.1	271.1	275.2	277.2	279.3	281.3
70°	230.3	232.4	232.4	232.4	234.4	234.4	234.4	238.5	240.5	242.6	244.6
72.5°	195.7	195.7	197.7	197.7	197.7	197.7	199.8	201.8	203.8	205.9	207.9
75°	161.0	161.0	161.0	161.0	163.1	163.1	163.1	167.2	169.2	171.2	171.2
77.5°	124.3	126.4	124.3	124.3	126.4	126.4	128.4	130.5	132.5	136.6	138.6
80°	89.7	89.7	91.7	91.7	93.8	91.7	93.8	95.8	97.8	101.9	101.9
82.5°	57.1	57.1	57.1	59.1	59.1	61.2	61.2	61.2	63.2	67.3	69.3
85°	24.5	24.5	24.5	24.5	28.5	28.5	28.5	30.6	32.6	34.7	36.7
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
92.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
95°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	20.4	20.4	22.4
97.5°	28.5	28.5	28.5	28.5	28.5	30.6	30.6	32.6	34.7	36.7	40.8
100°	42.8	42.8	44.8	44.8	44.8	46.9	46.9	51.0	55.0	61.2	71.3
102.5°	63.2	61.2	63.2	63.2	65.2	67.3	69.3	75.4	83.6	97.8	120.3
105°	87.7	85.6	87.7	89.7	93.8	97.8	101.9	114.2	132.5	165.1	222.2
107.5°	124.3	122.3	126.4	132.5	140.7	150.8	161.0	183.5	240.5	332.3	468.8
110°	183.5	191.6	199.8	218.1	244.6	273.2	291.5	389.3	509.6	707.3	933.6



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	352.7	379.2	403.6	464.8	550.4	629.9	676.8	894.9	1078.3	1272.0	1392.3
115°	852.1	915.3	935.7	1090.6	1221.0	1329.1	1376.0	1555.3	1634.8	1673.6	1677.7
117.5°	1661.3	1720.5	1720.5	1812.2	1885.6	1920.2	1924.3	1942.7	1928.4	1903.9	1855.0
120°	2181.2	2185.2	2193.4	2191.3	2193.4	2189.3	2175.0	2148.5	2099.6	2048.7	1989.5
122.5°	2389.1	2385.0	2378.9	2360.5	2340.2	2327.9	2305.5	2266.8	2217.8	2158.7	2097.6
125°	2499.2	2493.0	2484.9	2466.5	2440.0	2429.8	2403.3	2360.5	2311.6	2254.5	2195.4
127.5°	2580.7	2574.6	2564.4	2548.1	2521.6	2509.3	2484.9	2440.0	2393.2	2342.2	2283.1
130°	2648.0	2641.8	2631.7	2621.5	2597.0	2580.7	2558.3	2513.4	2470.6	2417.6	2360.5
132.5°	2709.1	2701.0	2690.8	2682.6	2658.2	2645.9	2621.5	2580.7	2537.9	2486.9	2427.8
135°	2762.1	2751.9	2739.7	2731.5	2709.1	2694.8	2672.4	2635.7	2595.0	2546.0	2489.0
137.5°	2802.9	2792.7	2782.5	2770.3	2751.9	2731.5	2719.3	2686.7	2645.9	2601.1	2550.1
140°	2837.5	2829.4	2819.2	2811.0	2790.7	2770.3	2758.0	2729.5	2690.8	2652.0	2605.2
142.5°	2866.1	2860.0	2849.8	2839.6	2821.2	2802.9	2792.7	2766.2	2735.6	2694.8	2652.0
145°	2888.5	2882.4	2874.2	2866.1	2847.7	2833.5	2821.2	2802.9	2772.3	2731.5	2694.8
147.5°	2908.9	2902.8	2896.7	2888.5	2870.2	2860.0	2849.8	2829.4	2798.8	2762.1	2731.5
150°	2923.2	2917.0	2910.9	2904.8	2886.5	2876.3	2870.2	2849.8	2823.3	2786.6	2762.1
152.5°	2931.3	2925.2	2919.1	2915.0	2896.7	2886.5	2880.3	2862.0	2835.5	2802.9	2778.4
155°	2933.3	2929.3	2923.2	2917.0	2898.7	2886.5	2884.4	2866.1	2843.7	2813.1	2790.7
157.5°	2929.3	2923.2	2917.0	2910.9	2892.6	2884.4	2880.3	2866.1	2845.7	2821.2	2798.8
160°	2919.1	2913.0	2910.9	2902.8	2888.5	2882.4	2878.3	2866.1	2847.7	2825.3	2800.8
162.5°	2900.7	2898.7	2896.7	2890.5	2880.3	2874.2	2872.2	2860.0	2841.6	2823.3	2796.8
165°	2882.4	2878.3	2874.2	2868.1	2860.0	2855.9	2851.8	2843.7	2825.3	2813.1	2786.6
167.5°	2853.8	2847.7	2843.7	2837.5	2827.3	2829.4	2825.3	2821.2	2807.0	2800.8	2774.3
170°	2819.2	2817.2	2811.0	2807.0	2800.8	2802.9	2800.8	2796.8	2784.5	2780.5	2758.0
172.5°	2786.6	2780.5	2778.4	2774.3	2768.2	2766.2	2768.2	2764.2	2758.0	2760.1	2737.7
175°	2741.7	2735.6	2735.6	2731.5	2727.5	2729.5	2731.5	2733.6	2725.4	2733.6	2713.2
177.5°	2686.7	2682.6	2686.7	2690.8	2688.7	2692.8	2694.8	2696.9	2692.8	2701.0	2682.6
180°	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3
2.5°	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1015.2	1019.2	1025.3	1027.4	1025.3
5°	1011.1	1013.1	1011.1	1013.1	1013.1	1013.1	1013.1	1017.2	1021.3	1023.3	1021.3
7.5°	1005.0	1007.0	1005.0	1005.0	1007.0	1005.0	1007.0	1009.0	1013.1	1015.2	1013.1
10°	994.8	994.8	994.8	996.8	996.8	996.8	996.8	1000.9	1005.0	1005.0	1002.9
12.5°	980.5	982.5	982.5	984.6	984.6	982.5	984.6	988.7	990.7	992.7	990.7
15°	966.2	966.2	966.2	968.3	968.3	968.3	968.3	972.3	976.4	978.5	976.4
17.5°	943.8	945.8	945.8	947.9	947.9	949.9	947.9	954.0	956.0	958.1	956.0
20°	923.4	923.4	925.5	925.5	927.5	927.5	927.5	931.6	935.7	937.7	935.7
22.5°	899.0	901.0	901.0	903.0	905.1	903.0	905.1	909.2	911.2	913.2	913.2
25°	872.5	874.5	874.5	878.6	878.6	878.6	878.6	882.7	886.7	890.8	888.8
27.5°	846.0	846.0	848.0	852.1	852.1	854.1	854.1	858.2	862.3	864.3	862.3
30°	817.4	817.4	819.5	821.5	823.5	823.5	825.6	829.7	833.7	837.8	833.7
32.5°	788.9	786.8	790.9	793.0	795.0	795.0	795.0	801.1	803.2	807.2	805.2
35°	756.3	754.2	758.3	760.3	762.4	762.4	766.5	768.5	772.6	774.6	772.6
37.5°	725.7	723.7	727.7	729.8	729.8	731.8	733.8	737.9	742.0	744.0	744.0
40°	693.1	691.0	693.1	697.2	697.2	699.2	701.2	703.3	705.3	711.4	709.4
42.5°	660.5	658.4	660.5	662.5	664.5	664.5	668.6	668.6	674.7	674.7	674.7
45°	621.7	623.8	625.8	629.9	629.9	627.8	631.9	634.0	640.1	640.1	638.0
47.5°	587.1	589.1	589.1	595.2	595.2	593.2	597.3	599.3	603.4	605.4	603.4
50°	550.4	552.4	554.5	558.5	558.5	558.5	560.6	564.7	566.7	566.7	566.7
52.5°	507.6	509.6	513.7	519.8	519.8	519.8	523.9	523.9	528.0	528.0	530.0
55°	470.9	472.9	477.0	481.1	481.1	483.1	485.2	487.2	489.2	487.2	489.2
57.5°	434.2	438.3	442.3	444.4	444.4	446.4	448.5	450.5	452.5	452.5	452.5
60°	397.5	399.5	401.6	407.7	407.7	409.7	411.8	413.8	413.8	415.8	415.8
62.5°	360.8	364.9	366.9	369.0	373.0	371.0	375.1	375.1	377.1	379.2	379.2
65°	322.1	324.1	328.2	332.3	332.3	334.3	338.4	338.4	340.4	342.5	342.5
67.5°	285.4	291.5	291.5	295.6	297.6	297.6	299.7	303.7	303.7	305.8	305.8
70°	246.7	252.8	254.8	256.8	258.9	260.9	263.0	265.0	267.0	269.1	269.1
72.5°	212.0	216.1	218.1	220.2	222.2	222.2	226.3	226.3	230.3	232.4	232.4
75°	173.3	177.3	179.4	183.5	185.5	187.5	189.6	189.6	193.7	197.7	195.7
77.5°	140.7	142.7	144.7	146.8	148.8	150.8	152.9	154.9	157.0	159.0	159.0
80°	106.0	108.0	108.0	112.1	114.2	116.2	118.2	120.3	120.3	122.3	124.3
82.5°	71.3	73.4	75.4	77.5	79.5	81.5	83.6	85.6	85.6	87.7	87.7
85°	38.7	40.8	42.8	44.8	46.9	48.9	51.0	53.0	53.0	55.0	55.0
87.5°	8.2	10.2	12.2	14.3	16.3	18.3	20.4	22.4	22.4	24.5	24.5
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.0	2.0
92.5°	10.2	12.2	12.2	16.3	18.3	20.4	24.5	28.5	24.5	20.4	22.4
95°	24.5	30.6	36.7	48.9	57.1	65.2	77.5	77.5	63.2	55.0	51.0
97.5°	48.9	61.2	81.5	110.1	128.4	140.7	154.9	146.8	122.3	101.9	91.7
100°	87.7	118.2	157.0	220.2	246.7	260.9	265.0	242.6	201.8	169.2	146.8
102.5°	157.0	228.3	316.0	395.5	419.9	424.0	397.5	356.7	301.7	252.8	218.1
105°	311.9	450.5	560.6	627.8	636.0	621.7	560.6	495.3	422.0	356.7	303.7
107.5°	658.4	801.1	858.2	862.3	843.9	809.3	731.8	656.4	554.5	475.0	405.7
110°	1090.6	1139.5	1115.0	1066.1	1029.4	974.4	884.7	801.1	693.1	609.5	525.9





TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1410.6	1386.2	1320.9	1233.3	1182.3	1133.4	1039.6	947.9	831.7	744.0	654.3
115°	1628.7	1563.5	1479.9	1382.1	1325.0	1280.2	1186.4	1076.3	966.2	876.5	782.8
117.5°	1785.7	1698.0	1612.4	1520.7	1467.7	1416.7	1320.9	1212.9	1096.7	1009.0	913.2
120°	1906.0	1822.4	1732.7	1645.0	1590.0	1547.2	1451.4	1337.2	1227.2	1131.3	1045.7
122.5°	2016.0	1930.4	1846.8	1763.3	1714.3	1665.4	1561.5	1451.4	1345.4	1257.7	1168.0
125°	2115.9	2030.3	1950.8	1871.3	1818.3	1767.3	1665.4	1563.5	1461.6	1369.8	1290.3
127.5°	2207.7	2128.2	2046.6	1971.2	1916.2	1865.2	1767.3	1667.5	1575.7	1486.0	1406.5
130°	2289.2	2217.8	2138.3	2062.9	2005.8	1956.9	1863.2	1769.4	1681.7	1596.1	1514.6
132.5°	2364.6	2297.3	2221.9	2140.4	2085.3	2042.5	1954.9	1865.2	1785.7	1706.2	1622.6
135°	2436.0	2364.6	2291.2	2211.7	2160.8	2122.0	2034.4	1950.8	1877.4	1804.0	1726.6
137.5°	2503.2	2421.7	2352.4	2274.9	2230.1	2193.4	2113.9	2036.4	1967.1	1891.7	1822.4
140°	2554.2	2476.7	2405.4	2332.0	2295.3	2262.7	2185.2	2113.9	2050.7	1981.4	1914.1
142.5°	2599.0	2521.6	2458.4	2387.0	2352.4	2323.8	2252.5	2187.3	2130.2	2067.0	1999.7
145°	2633.7	2562.3	2505.3	2440.0	2409.5	2380.9	2311.6	2254.5	2201.5	2138.3	2079.2
147.5°	2666.3	2601.1	2548.1	2486.9	2462.5	2433.9	2370.7	2319.8	2270.8	2215.8	2156.7
150°	2692.8	2635.7	2584.8	2529.7	2507.3	2480.8	2423.7	2376.8	2332.0	2285.1	2230.1
152.5°	2713.2	2664.3	2619.4	2568.5	2548.1	2523.6	2474.7	2433.9	2393.2	2348.3	2297.3
155°	2727.5	2688.7	2648.0	2605.2	2582.7	2564.4	2517.5	2482.8	2448.2	2405.4	2358.5
157.5°	2741.7	2707.1	2666.3	2629.6	2613.3	2592.9	2554.2	2525.7	2495.1	2458.4	2415.6
160°	2747.8	2719.3	2682.6	2652.0	2637.8	2621.5	2584.8	2562.3	2535.8	2505.3	2466.5
162.5°	2749.9	2725.4	2694.8	2670.4	2658.2	2643.9	2611.3	2592.9	2572.5	2546.0	2509.3
165°	2749.9	2729.5	2705.0	2684.7	2674.5	2662.2	2633.7	2619.4	2601.1	2580.7	2548.1
167.5°	2743.8	2727.5	2707.1	2690.8	2682.6	2670.4	2650.0	2641.8	2627.6	2611.3	2584.8
170°	2733.6	2721.3	2705.0	2694.8	2686.7	2676.5	2662.2	2656.1	2650.0	2637.8	2611.3
172.5°	2719.3	2709.1	2696.9	2690.8	2686.7	2678.5	2664.3	2666.3	2662.2	2652.0	2633.7
175°	2698.9	2692.8	2686.7	2682.6	2678.5	2672.4	2664.3	2668.3	2670.4	2666.3	2650.0
177.5°	2672.4	2670.4	2668.3	2668.3	2662.2	2662.2	2658.2	2666.3	2674.5	2674.5	2662.2
180°	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3
2.5°	1021.3	1017.2	1015.2	1015.2	1015.2	1013.1	1013.1	1015.2	1019.2	1025.3	1019.2
5°	1019.2	1013.1	1013.1	1013.1	1013.1	1011.1	1009.0	1011.1	1015.2	1021.3	1015.2
7.5°	1011.1	1007.0	1005.0	1005.0	1005.0	1002.9	1002.9	1002.9	1007.0	1013.1	1007.0
10°	1000.9	996.8	996.8	996.8	994.8	992.7	992.7	992.7	998.8	1002.9	996.8
12.5°	988.7	984.6	984.6	982.5	982.5	980.5	978.5	980.5	986.6	988.7	984.6
15°	972.3	968.3	968.3	968.3	966.2	966.2	964.2	964.2	970.3	972.3	968.3
17.5°	954.0	949.9	947.9	949.9	947.9	945.8	945.8	945.8	949.9	952.0	945.8
20°	931.6	927.5	927.5	925.5	925.5	923.4	923.4	923.4	929.5	927.5	923.4
22.5°	909.2	905.1	905.1	903.0	903.0	901.0	899.0	899.0	907.1	901.0	899.0
25°	884.7	880.6	880.6	878.6	876.5	874.5	874.5	874.5	878.6	874.5	872.5
27.5°	860.2	856.2	856.2	854.1	852.1	848.0	848.0	848.0	854.1	848.0	848.0
30°	829.7	827.6	827.6	825.6	821.5	819.5	819.5	821.5	825.6	819.5	817.4
32.5°	801.1	797.0	797.0	797.0	793.0	790.9	790.9	793.0	795.0	788.9	786.8
35°	768.5	766.5	766.5	764.4	760.3	760.3	758.3	760.3	760.3	756.3	754.2
37.5°	737.9	735.9	733.8	733.8	729.8	729.8	729.8	731.8	729.8	725.7	723.7
40°	705.3	703.3	701.2	699.2	697.2	697.2	697.2	701.2	697.2	693.1	691.0
42.5°	672.7	670.7	668.6	666.6	664.5	664.5	664.5	666.6	662.5	660.5	658.4
45°	636.0	636.0	634.0	631.9	631.9	631.9	629.9	631.9	627.8	625.8	621.7
47.5°	601.3	601.3	599.3	599.3	597.3	597.3	597.3	597.3	593.2	593.2	589.1
50°	566.7	564.7	562.6	564.7	564.7	562.6	562.6	560.6	558.5	558.5	552.4
52.5°	528.0	530.0	523.9	525.9	528.0	523.9	523.9	521.8	521.8	517.8	513.7
55°	489.2	489.2	489.2	489.2	491.3	487.2	485.2	483.1	485.2	481.1	477.0
57.5°	452.5	452.5	452.5	452.5	454.6	450.5	448.5	450.5	448.5	444.4	442.3
60°	417.9	415.8	415.8	415.8	417.9	413.8	413.8	411.8	411.8	405.7	405.7
62.5°	381.2	379.2	381.2	379.2	381.2	379.2	375.1	377.1	375.1	371.0	369.0
65°	344.5	342.5	344.5	342.5	342.5	340.4	338.4	338.4	336.3	334.3	332.3
67.5°	307.8	305.8	305.8	305.8	307.8	303.7	305.8	301.7	299.7	299.7	295.6
70°	269.1	269.1	269.1	267.0	269.1	265.0	265.0	265.0	263.0	260.9	258.9
72.5°	234.4	232.4	232.4	230.3	232.4	230.3	228.3	228.3	226.3	226.3	224.2
75°	195.7	195.7	195.7	195.7	195.7	193.7	191.6	191.6	189.6	189.6	187.5
77.5°	159.0	159.0	159.0	159.0	159.0	159.0	154.9	154.9	154.9	154.9	150.8
80°	124.3	124.3	124.3	122.3	124.3	122.3	120.3	120.3	120.3	118.2	116.2
82.5°	89.7	89.7	89.7	87.7	89.7	87.7	87.7	85.6	83.6	83.6	79.5
85°	55.0	57.1	57.1	55.0	55.0	55.0	55.0	51.0	48.9	48.9	46.9
87.5°	24.5	24.5	24.5	22.4	22.4	22.4	20.4	20.4	18.3	18.3	18.3
90°	4.1	6.1	8.2	10.2	10.2	12.2	14.3	14.3	14.3	14.3	16.3
92.5°	32.6	42.8	44.8	48.9	46.9	48.9	48.9	46.9	48.9	44.8	46.9
95°	57.1	65.2	79.5	87.7	93.8	104.0	108.0	106.0	101.9	99.9	101.9
97.5°	89.7	97.8	104.0	106.0	110.1	124.3	138.6	148.8	157.0	161.0	165.1
100°	138.6	132.5	140.7	146.8	150.8	148.8	154.9	167.2	177.3	185.5	193.7
102.5°	199.8	183.5	177.3	181.4	187.5	199.8	199.8	197.7	201.8	207.9	220.2
105°	271.1	248.7	232.4	230.3	230.3	238.5	252.8	258.9	246.7	246.7	250.7
107.5°	358.8	322.1	297.6	289.5	287.4	283.3	293.5	309.8	320.0	318.0	305.8
110°	458.7	409.7	375.1	360.8	352.7	340.4	342.5	348.6	360.8	377.1	387.3



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	576.9	515.7	462.7	444.4	424.0	407.7	395.5	397.5	403.6	415.8	430.1
115°	701.2	631.9	564.7	540.2	515.7	479.0	458.7	452.5	454.6	458.7	466.8
117.5°	827.6	752.2	676.8	646.2	617.7	574.8	536.1	515.7	507.6	505.5	513.7
120°	956.0	872.5	799.1	764.4	729.8	680.8	629.9	591.2	574.8	562.6	562.6
122.5°	1082.4	1000.9	919.3	884.7	846.0	788.9	733.8	684.9	652.3	627.8	617.7
125°	1202.7	1127.3	1041.7	1009.0	968.3	905.1	843.9	793.0	750.2	711.4	687.0
127.5°	1320.9	1247.5	1161.9	1129.3	1092.6	1025.3	968.3	907.1	862.3	813.3	776.7
130°	1437.1	1363.7	1282.2	1249.6	1214.9	1149.7	1082.4	1023.3	978.5	929.5	888.8
132.5°	1547.2	1473.8	1400.4	1363.7	1329.1	1267.9	1202.7	1143.6	1094.7	1047.8	1009.0
135°	1655.2	1577.8	1508.5	1473.8	1439.2	1382.1	1320.9	1265.9	1212.9	1164.0	1125.2
137.5°	1753.1	1681.7	1614.5	1579.8	1547.2	1492.2	1439.2	1388.2	1335.2	1284.2	1241.4
140°	1846.8	1777.5	1714.3	1683.8	1651.2	1596.1	1549.2	1504.4	1455.5	1396.3	1359.7
142.5°	1936.5	1867.2	1812.2	1781.6	1747.0	1700.1	1653.2	1612.4	1571.7	1520.7	1477.9
145°	2020.1	1950.8	1899.8	1873.3	1840.7	1795.9	1751.0	1714.3	1681.7	1630.8	1592.0
147.5°	2099.6	2036.4	1987.5	1959.0	1932.5	1889.7	1846.8	1812.2	1789.8	1738.8	1702.1
150°	2177.1	2111.8	2069.0	2042.5	2016.0	1977.3	1938.6	1906.0	1885.6	1842.8	1808.1
152.5°	2246.4	2187.3	2148.5	2124.1	2099.6	2060.9	2024.2	1993.6	1979.3	1934.5	1914.1
155°	2313.7	2256.6	2221.9	2201.5	2177.1	2134.3	2105.7	2075.2	2069.0	2030.3	2001.8
157.5°	2372.8	2321.8	2287.2	2266.8	2246.4	2209.7	2181.2	2156.7	2150.6	2115.9	2089.4
160°	2423.7	2378.9	2348.3	2332.0	2313.7	2277.0	2250.5	2230.1	2221.9	2197.5	2173.0
162.5°	2474.7	2431.9	2405.4	2389.1	2374.8	2340.2	2317.7	2297.3	2291.2	2274.9	2250.5
165°	2517.5	2478.8	2454.3	2442.1	2429.8	2399.3	2378.9	2360.5	2358.5	2346.3	2319.8
167.5°	2556.2	2521.6	2501.2	2491.0	2478.8	2452.3	2436.0	2419.7	2417.6	2415.6	2387.0
170°	2586.8	2558.3	2539.9	2531.8	2523.6	2499.2	2484.9	2472.7	2472.7	2474.7	2450.2
172.5°	2613.3	2588.8	2576.6	2566.4	2562.3	2539.9	2529.7	2519.5	2523.6	2527.7	2505.3
175°	2633.7	2613.3	2601.1	2597.0	2592.9	2574.6	2568.5	2564.4	2570.5	2578.7	2556.2
177.5°	2652.0	2633.7	2627.6	2623.5	2621.5	2607.2	2605.2	2601.1	2609.2	2621.5	2603.1
180°	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3
2.5°	1021.3	1021.3	1021.3	1019.2	1017.2	1015.2	1011.1	1011.1
5°	1017.2	1017.2	1015.2	1015.2	1013.1	1013.1	1011.1	1013.1
7.5°	1009.0	1009.0	1007.0	1007.0	1007.0	1007.0	1005.0	1007.0
10°	998.8	998.8	994.8	994.8	994.8	994.8	994.8	994.8
12.5°	984.6	982.5	982.5	980.5	980.5	982.5	982.5	982.5
15°	968.3	968.3	966.2	964.2	966.2	966.2	966.2	966.2
17.5°	947.9	945.8	945.8	943.8	945.8	945.8	943.8	945.8
20°	923.4	921.4	921.4	919.3	921.4	919.3	919.3	919.3
22.5°	896.9	894.9	894.9	892.8	894.9	894.9	894.9	894.9
25°	870.4	868.4	866.3	866.3	866.3	866.3	866.3	866.3
27.5°	843.9	841.9	839.8	839.8	839.8	837.8	837.8	835.8
30°	813.3	813.3	809.3	809.3	809.3	807.2	807.2	805.2
32.5°	784.8	782.8	780.7	778.7	778.7	776.7	774.6	774.6
35°	752.2	750.2	748.1	746.1	746.1	744.0	742.0	744.0
37.5°	721.6	719.6	715.5	715.5	715.5	711.4	711.4	709.4
40°	687.0	682.9	682.9	682.9	680.8	678.8	678.8	676.8
42.5°	652.3	650.3	648.2	648.2	648.2	644.2	644.2	644.2
45°	619.7	617.7	617.7	613.6	613.6	609.5	609.5	611.5
47.5°	583.0	583.0	583.0	581.0	578.9	576.9	576.9	576.9
50°	548.3	548.3	544.3	544.3	544.3	542.2	540.2	540.2
52.5°	509.6	507.6	507.6	505.5	503.5	503.5	503.5	503.5
55°	472.9	472.9	472.9	470.9	468.8	468.8	466.8	468.8
57.5°	438.3	438.3	438.3	436.2	434.2	434.2	432.2	434.2
60°	403.6	401.6	401.6	399.5	397.5	399.5	397.5	397.5
62.5°	366.9	364.9	366.9	364.9	362.8	360.8	360.8	362.8
65°	332.3	330.2	330.2	328.2	326.2	326.2	326.2	326.2
67.5°	295.6	293.5	293.5	291.5	291.5	291.5	291.5	291.5
70°	258.9	256.8	256.8	254.8	254.8	254.8	254.8	254.8
72.5°	224.2	222.2	222.2	220.2	220.2	220.2	220.2	220.2
75°	187.5	185.5	185.5	185.5	185.5	183.5	183.5	183.5
77.5°	152.9	150.8	150.8	150.8	148.8	148.8	148.8	148.8
80°	118.2	116.2	116.2	116.2	114.2	114.2	114.2	112.1
82.5°	81.5	79.5	79.5	81.5	77.5	79.5	77.5	77.5
85°	46.9	44.8	44.8	44.8	44.8	44.8	44.8	42.8
87.5°	18.3	16.3	16.3	18.3	16.3	18.3	18.3	18.3
90°	16.3	16.3	18.3	18.3	20.4	20.4	22.4	22.4
92.5°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
95°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.8
97.5°	167.2	165.1	165.1	165.1	165.1	163.1	161.0	161.0
100°	199.8	205.9	207.9	210.0	212.0	214.0	216.1	214.0
102.5°	228.3	232.4	234.4	236.5	238.5	240.5	242.6	242.6
105°	254.8	256.8	258.9	263.0	269.1	275.2	277.2	277.2
107.5°	305.8	305.8	307.8	309.8	307.8	309.8	309.8	309.8
110°	387.3	375.1	373.0	369.0	362.8	364.9	364.9	364.9



TEST NUMBER: P303246

CATALOG NUMBER: CTW-F-7525-50L840-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	440.3	448.5	452.5	452.5	452.5	454.6	448.5	446.4
115°	481.1	489.2	493.3	495.3	501.5	507.6	509.6	509.6
117.5°	521.8	532.0	536.1	538.2	544.3	550.4	552.4	552.4
120°	566.7	570.8	574.8	574.8	581.0	585.0	587.1	587.1
122.5°	611.5	611.5	615.6	615.6	619.7	619.7	623.8	621.7
125°	670.7	662.5	664.5	658.4	660.5	660.5	660.5	658.4
127.5°	750.2	731.8	729.8	721.6	715.5	713.5	709.4	707.3
130°	850.0	821.5	813.3	803.2	793.0	786.8	774.6	776.7
132.5°	966.2	929.5	919.3	907.1	892.8	878.6	870.4	870.4
135°	1086.5	1049.8	1037.6	1023.3	1007.0	990.7	982.5	982.5
137.5°	1202.7	1170.1	1157.8	1145.6	1127.3	1115.0	1098.7	1102.8
140°	1325.0	1288.3	1276.1	1263.8	1251.6	1229.2	1223.1	1229.2
142.5°	1443.2	1404.5	1394.3	1382.1	1369.8	1353.5	1341.3	1347.4
145°	1559.4	1520.7	1510.5	1498.3	1488.1	1465.7	1463.6	1463.6
147.5°	1673.6	1638.9	1628.7	1616.5	1606.3	1590.0	1581.8	1583.9
150°	1781.6	1751.0	1740.8	1728.6	1718.4	1698.0	1691.9	1698.0
152.5°	1885.6	1857.0	1846.8	1834.6	1826.5	1808.1	1804.0	1810.2
155°	1981.4	1952.8	1944.7	1932.5	1926.3	1912.1	1912.1	1914.1
157.5°	2071.1	2048.7	2038.5	2030.3	2024.2	2007.9	2007.9	2014.0
160°	2158.7	2138.3	2132.2	2120.0	2113.9	2101.7	2099.6	2097.6
162.5°	2242.3	2224.0	2215.8	2207.7	2201.5	2191.3	2187.3	2187.3
165°	2309.6	2297.3	2289.2	2285.1	2281.0	2272.9	2268.8	2268.8
167.5°	2383.0	2366.7	2360.5	2352.4	2350.3	2344.2	2342.2	2348.3
170°	2442.1	2433.9	2425.8	2419.7	2415.6	2411.5	2409.5	2415.6
172.5°	2501.2	2493.0	2489.0	2482.8	2480.8	2478.8	2478.8	2484.9
175°	2556.2	2550.1	2544.0	2537.9	2537.9	2533.8	2535.8	2539.9
177.5°	2605.2	2601.1	2599.0	2592.9	2588.8	2584.8	2582.7	2582.7
180°	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9	2645.9

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