

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: P303110

Luminaire Tested: **CTW-F-2575-50L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303110
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-2575-50L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

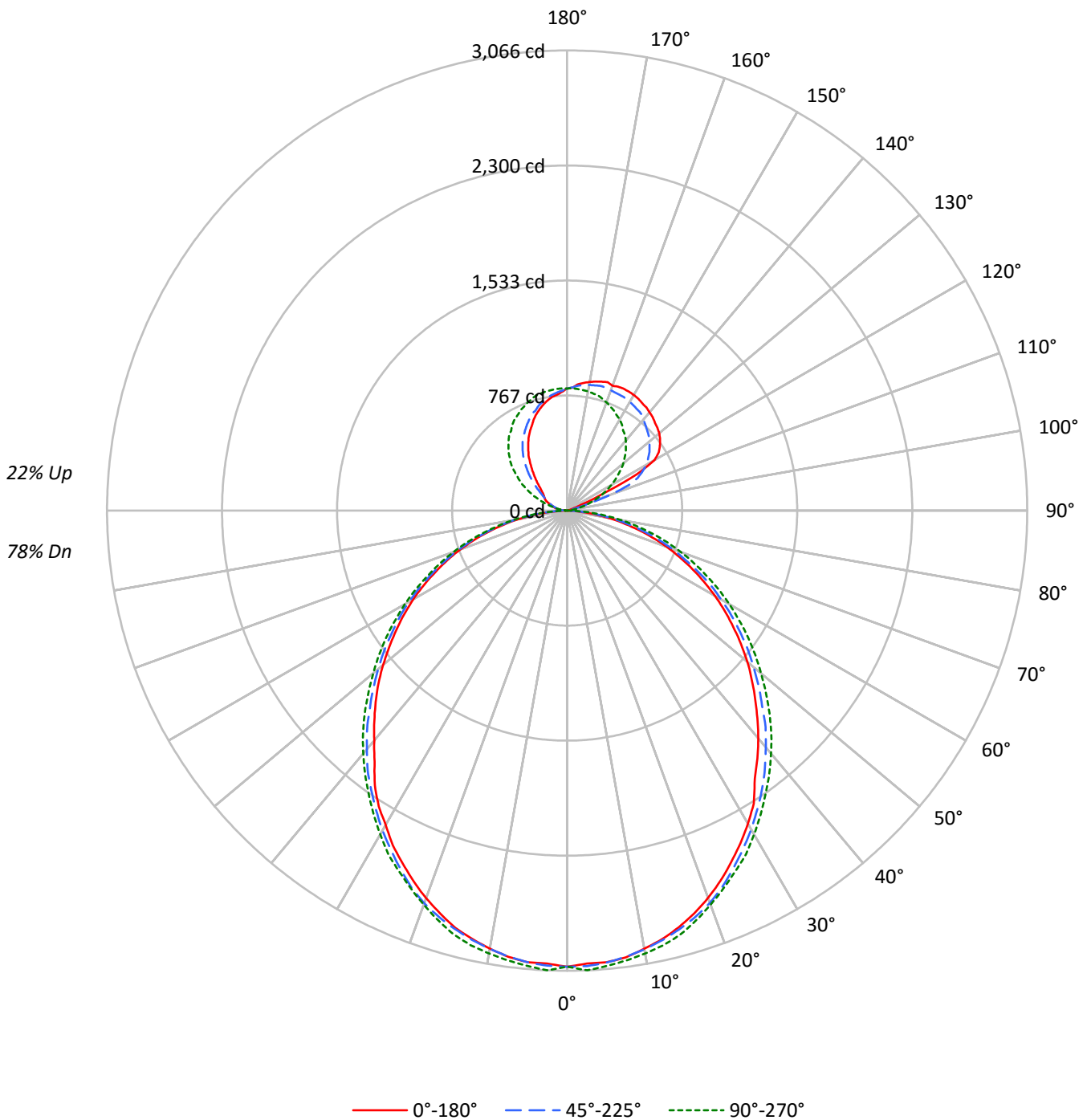
Lumens per Lamp: N/A
Luminaire Lumens: 10384.3 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

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°	32715	32715	32715
5°	32642	32907	32642
10°	32395	32752	32395
15°	32029	32575	32075
20°	31452	32013	31475
25°	30699	31497	30795
30°	29948	30961	30049
35°	28634	30295	29358
40°	27841	29703	28098
45°	26965	29014	27461
50°	26251	28230	26796
55°	25363	27581	26089
60°	24488	26901	25495
65°	23414	26063	24662
70°	22134	25278	23802
75°	20179	24246	22466
80°	17059	22619	20344
85°	10065	19130	15351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	2.8
10°-20°	812.1	7.8
20°-30°	1202.2	11.6
30°-40°	1409.0	13.6
40°-50°	1423.1	13.7
50°-60°	1268.1	12.2
60°-70°	971.9	9.4
70°-80°	574.4	5.5
80°-90°	153.8	1.5
90°-100°	24.5	0.2
100°-110°	99.4	1.0
110°-120°	275.1	2.6
120°-130°	399.7	3.8
130°-140°	432.1	4.2
140°-150°	413.0	4.0
150°-160°	339.3	3.3
160°-170°	222.7	2.1
170°-180°	77.3	0.7
0°-30°	2300.8	22.2
0°-40°	3709.9	35.7
0°-60°	6401.1	61.6
0°-90°	8101.2	78.0
90°-120°	399.0	3.8
90°-150°	1643.8	15.8
90°-180°	2283.0	22.0
0°-180°	10384.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3039	3039	3039	3039	3039	
5°	3021	3023	3046	3021	3021	287
15°	2874	2888	2923	2886	2878	810
25°	2585	2626	2652	2632	2593	1191
35°	2179	2265	2306	2275	2234	1372
45°	1771	1837	1906	1859	1804	1368
55°	1352	1404	1470	1429	1390	1210
65°	919	962	1023	993	968	910
75°	485	522	583	556	540	514
85°	82	110	155	141	124	109
90°	2	2	2	6	8	3
95°	6	6	18	33	33	6
105°	22	57	110	84	94	27
115°	251	520	261	139	155	301
125°	754	669	412	228	196	671
135°	828	754	552	371	296	641
145°	872	820	650	518	448	548
155°	895	846	736	632	585	413
165°	889	860	795	726	701	251
175°	846	836	813	789	775	81
180°	813	813	813	813	813	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
2.5°	3021.0	3016.9	3025.1	3031.2	3031.2	3035.3	3039.3	3045.5	3041.4	3051.6	3037.3
5°	3021.0	3014.9	3019.0	3019.0	3016.9	3021.0	3023.0	3031.2	3027.1	3037.3	3023.0
7.5°	3002.7	2998.6	2998.6	3000.6	2994.5	2998.6	3000.6	3006.7	3000.6	3010.8	2998.6
10°	2963.9	2961.9	2963.9	2966.0	2959.8	2963.9	2963.9	2968.0	2968.0	2976.2	2968.0
12.5°	2925.2	2919.1	2923.2	2921.1	2915.0	2919.1	2921.1	2929.3	2929.3	2935.4	2931.3
15°	2874.2	2872.2	2876.3	2876.3	2870.2	2872.2	2874.2	2880.3	2882.4	2888.5	2888.5
17.5°	2815.1	2811.0	2815.1	2815.1	2811.0	2813.1	2817.2	2825.3	2827.3	2835.5	2839.6
20°	2745.8	2739.7	2741.7	2741.7	2741.7	2743.8	2747.8	2758.0	2766.2	2776.4	2782.5
22.5°	2670.4	2664.3	2662.2	2662.2	2664.3	2666.3	2666.3	2684.7	2694.8	2701.0	2709.1
25°	2584.8	2578.7	2578.7	2584.8	2582.7	2586.8	2592.9	2609.2	2617.4	2611.3	2625.5
27.5°	2499.2	2495.1	2491.0	2495.1	2499.2	2503.2	2513.4	2525.7	2525.7	2529.7	2539.9
30°	2409.5	2399.3	2399.3	2405.4	2411.5	2419.7	2427.8	2433.9	2431.9	2438.0	2452.3
32.5°	2313.7	2309.6	2305.5	2311.6	2321.8	2327.9	2332.0	2332.0	2334.0	2344.2	2358.5
35°	2179.1	2177.1	2185.2	2203.6	2219.9	2230.1	2228.0	2228.0	2234.2	2246.4	2264.7
37.5°	2081.3	2079.2	2079.2	2089.4	2093.5	2099.6	2103.7	2122.0	2136.3	2154.7	2164.8
40°	1981.4	1979.3	1977.3	1989.5	1993.6	1993.6	1997.7	2005.8	2024.2	2056.8	2058.8
42.5°	1875.4	1877.4	1875.4	1885.6	1889.7	1893.7	1895.8	1901.9	1914.1	1934.5	1956.9
45°	1771.4	1773.5	1771.4	1781.6	1785.7	1787.7	1791.8	1797.9	1808.1	1826.5	1836.7
47.5°	1669.5	1669.5	1665.4	1677.7	1681.7	1685.8	1687.8	1691.9	1708.2	1720.5	1730.7
50°	1567.6	1563.5	1559.4	1571.7	1575.7	1579.8	1583.9	1590.0	1594.1	1614.5	1620.6
52.5°	1459.5	1457.5	1455.5	1465.7	1469.7	1471.8	1477.9	1484.0	1492.2	1510.5	1516.6
55°	1351.5	1351.5	1347.4	1357.6	1359.7	1365.8	1369.8	1378.0	1382.1	1400.4	1404.5
57.5°	1245.5	1245.5	1239.4	1249.6	1251.6	1257.7	1261.8	1267.9	1274.0	1286.3	1296.5
60°	1137.5	1131.3	1131.3	1139.5	1143.6	1149.7	1153.8	1159.9	1164.0	1176.2	1184.3
62.5°	1027.4	1029.4	1029.4	1031.5	1041.7	1039.6	1039.6	1051.8	1055.9	1064.1	1078.3
65°	919.3	917.3	917.3	923.4	927.5	929.5	929.5	943.8	947.9	954.0	962.2
67.5°	811.3	813.3	813.3	813.3	823.5	821.5	821.5	833.7	837.8	843.9	848.0
70°	703.3	705.3	707.3	705.3	715.5	711.4	717.5	723.7	727.7	735.9	742.0
72.5°	595.2	597.3	599.3	599.3	607.5	603.4	609.5	615.6	625.8	627.8	631.9
75°	485.2	487.2	489.2	489.2	495.3	491.3	497.4	503.5	507.6	515.7	521.8
77.5°	379.2	381.2	385.3	385.3	389.3	385.3	391.4	399.5	403.6	407.7	415.8
80°	275.2	277.2	281.3	281.3	287.4	283.3	287.4	293.5	299.7	305.8	309.8
82.5°	175.3	177.3	179.4	181.4	187.5	187.5	187.5	193.7	201.8	201.8	207.9
85°	81.5	83.6	85.6	85.6	91.7	91.7	91.7	97.8	101.9	106.0	110.1
87.5°	10.2	12.2	12.2	12.2	14.3	14.3	14.3	16.3	18.3	20.4	24.5
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
95°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
97.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.2	10.2	10.2	12.2
100°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	14.3	14.3	16.3	18.3
102.5°	16.3	16.3	16.3	18.3	18.3	18.3	18.3	20.4	22.4	24.5	30.6
105°	22.4	22.4	22.4	24.5	24.5	26.5	26.5	28.5	34.7	40.8	57.1
107.5°	32.6	32.6	32.6	34.7	36.7	38.7	40.8	48.9	61.2	85.6	132.5
110°	48.9	48.9	51.0	55.0	63.2	69.3	75.4	104.0	146.8	214.0	295.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	97.8	99.9	108.0	120.3	150.8	165.1	189.6	263.0	338.4	409.7	444.4
115°	250.7	256.8	265.0	305.8	366.9	389.3	422.0	491.3	519.8	528.0	519.8
117.5°	521.8	530.0	532.0	568.7	583.0	589.1	597.3	605.4	595.2	583.0	566.7
120°	672.7	676.8	670.7	666.6	670.7	664.5	660.5	650.3	634.0	623.8	607.5
122.5°	723.7	725.7	717.5	711.4	707.3	705.3	699.2	682.9	664.5	656.4	638.0
125°	754.2	754.2	750.2	740.0	735.9	733.8	727.7	715.5	697.2	682.9	668.6
127.5°	780.7	780.7	772.6	764.4	760.3	758.3	746.1	735.9	725.7	707.3	691.0
130°	801.1	799.1	793.0	784.8	782.8	776.7	772.6	758.3	748.1	735.9	715.5
132.5°	815.4	817.4	809.3	809.3	805.2	793.0	790.9	778.7	766.5	752.2	737.9
135°	827.6	833.7	827.6	825.6	819.5	809.3	803.2	795.0	782.8	768.5	754.2
137.5°	843.9	839.8	841.9	837.8	833.7	825.6	819.5	815.4	801.1	788.9	772.6
140°	854.1	854.1	854.1	850.0	841.9	839.8	839.8	825.6	823.5	809.3	790.9
142.5°	866.3	864.3	862.3	856.2	858.2	852.1	843.9	843.9	831.7	821.5	811.3
145°	872.5	874.5	864.3	870.4	862.3	860.2	852.1	852.1	843.9	827.6	819.5
147.5°	882.7	880.6	874.5	876.5	870.4	868.4	862.3	858.2	846.0	837.8	827.6
150°	888.8	880.6	884.7	884.7	870.4	870.4	868.4	866.3	856.2	848.0	835.8
152.5°	892.8	888.8	886.7	888.8	876.5	876.5	874.5	866.3	862.3	852.1	843.9
155°	894.9	888.8	888.8	888.8	882.7	878.6	874.5	868.4	864.3	854.1	846.0
157.5°	892.8	892.8	886.7	888.8	886.7	880.6	870.4	870.4	870.4	860.2	848.0
160°	884.7	888.8	888.8	888.8	886.7	884.7	872.5	874.5	868.4	864.3	852.1
162.5°	896.9	888.8	888.8	886.7	884.7	882.7	878.6	878.6	872.5	864.3	858.2
165°	888.8	888.8	888.8	878.6	882.7	878.6	874.5	874.5	870.4	860.2	860.2
167.5°	880.6	878.6	876.5	872.5	874.5	868.4	866.3	868.4	862.3	860.2	854.1
170°	870.4	870.4	866.3	866.3	864.3	862.3	864.3	864.3	858.2	860.2	850.0
172.5°	858.2	862.3	860.2	858.2	854.1	854.1	852.1	850.0	848.0	852.1	843.9
175°	846.0	846.0	846.0	846.0	846.0	846.0	843.9	848.0	841.9	841.9	835.8
177.5°	819.5	827.6	823.5	833.7	835.8	833.7	835.8	833.7	827.6	833.7	821.5
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
2.5°	3027.1	3029.2	3029.2	3031.2	3033.2	3031.2	3031.2	3045.5	3057.7	3065.8	3057.7
5°	3010.8	3010.8	3010.8	3012.8	3014.9	3012.8	3012.8	3027.1	3039.3	3045.5	3039.3
7.5°	2986.3	2986.3	2986.3	2988.4	2990.4	2990.4	2990.4	3004.7	3016.9	3023.0	3014.9
10°	2953.7	2955.8	2955.8	2957.8	2961.9	2961.9	2963.9	2976.2	2988.4	2996.5	2988.4
12.5°	2915.0	2919.1	2921.1	2925.2	2927.2	2929.3	2931.3	2945.6	2955.8	2966.0	2957.8
15°	2874.2	2878.3	2882.4	2886.5	2888.5	2890.5	2890.5	2904.8	2915.0	2923.2	2915.0
17.5°	2825.3	2829.4	2827.3	2829.4	2829.4	2829.4	2829.4	2839.6	2851.8	2862.0	2851.8
20°	2758.0	2760.1	2758.0	2758.0	2760.1	2762.1	2760.1	2774.3	2784.5	2794.7	2784.5
22.5°	2684.7	2682.6	2682.6	2686.7	2686.7	2692.8	2692.8	2705.0	2715.2	2723.4	2717.3
25°	2603.1	2605.2	2607.2	2609.2	2613.3	2617.4	2621.5	2633.7	2645.9	2652.0	2645.9
27.5°	2523.6	2523.6	2525.7	2533.8	2535.8	2544.0	2548.1	2560.3	2570.5	2580.7	2572.5
30°	2442.1	2442.1	2450.2	2454.3	2456.3	2460.4	2458.4	2472.7	2480.8	2491.0	2489.0
32.5°	2358.5	2358.5	2358.5	2360.5	2362.6	2368.7	2366.7	2383.0	2395.2	2399.3	2397.2
35°	2266.8	2256.6	2260.7	2266.8	2268.8	2274.9	2279.0	2287.2	2301.4	2305.5	2303.5
37.5°	2168.9	2162.8	2166.9	2173.0	2175.0	2179.1	2183.2	2193.4	2201.5	2211.7	2209.7
40°	2073.1	2067.0	2069.0	2077.2	2081.3	2085.3	2087.4	2095.5	2103.7	2113.9	2111.8
42.5°	1971.2	1969.2	1969.2	1977.3	1981.4	1981.4	1987.5	1993.6	1999.7	2014.0	2009.9
45°	1865.2	1865.2	1865.2	1873.3	1877.4	1877.4	1885.6	1889.7	1899.8	1906.0	1903.9
47.5°	1742.9	1763.3	1765.3	1771.4	1769.4	1771.4	1781.6	1781.6	1791.8	1795.9	1795.9
50°	1630.8	1647.1	1657.3	1663.4	1665.4	1665.4	1677.7	1677.7	1681.7	1685.8	1691.9
52.5°	1522.7	1528.8	1551.3	1557.4	1565.5	1557.4	1569.6	1569.6	1575.7	1579.8	1581.8
55°	1412.7	1418.8	1429.0	1443.2	1447.3	1449.3	1459.5	1461.6	1465.7	1469.7	1469.7
57.5°	1304.6	1308.7	1318.9	1337.2	1339.3	1347.4	1351.5	1351.5	1355.6	1357.6	1361.7
60°	1196.6	1200.7	1208.8	1214.9	1227.2	1231.2	1241.4	1243.5	1247.5	1249.6	1249.6
62.5°	1086.5	1090.6	1098.7	1108.9	1115.0	1123.2	1125.2	1127.3	1131.3	1137.5	1137.5
65°	976.4	980.5	988.7	998.8	998.8	1000.9	1015.2	1017.2	1021.3	1023.3	1029.4
67.5°	862.3	868.4	878.6	886.7	886.7	894.9	905.1	907.1	911.2	915.3	917.3
70°	750.2	756.3	766.5	776.7	780.7	782.8	788.9	795.0	801.1	803.2	805.2
72.5°	640.1	646.2	654.3	666.6	668.6	672.7	676.8	682.9	691.0	695.1	695.1
75°	528.0	534.1	544.3	556.5	560.6	558.5	566.7	570.8	578.9	583.0	583.0
77.5°	419.9	424.0	434.2	442.3	446.4	450.5	450.5	454.6	462.7	468.8	466.8
80°	316.0	320.0	328.2	336.3	338.4	344.5	344.5	348.6	354.7	364.9	358.8
82.5°	220.2	218.1	226.3	234.4	236.5	242.6	246.7	246.7	250.7	258.9	254.8
85°	120.3	122.3	128.4	136.6	140.7	142.7	148.8	148.8	152.9	154.9	161.0
87.5°	32.6	32.6	40.8	46.9	51.0	53.0	59.1	59.1	63.2	69.3	65.2
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	4.1	4.1	4.1	4.1	6.1	6.1	8.2	10.2	10.2	8.2	10.2
95°	8.2	8.2	10.2	12.2	14.3	16.3	22.4	26.5	22.4	18.3	18.3
97.5°	12.2	14.3	20.4	28.5	32.6	40.8	51.0	46.9	40.8	34.7	32.6
100°	22.4	28.5	38.7	61.2	71.3	81.5	87.7	77.5	65.2	53.0	48.9
102.5°	38.7	57.1	91.7	124.3	132.5	136.6	130.5	116.2	97.8	79.5	69.3
105°	83.6	128.4	181.4	199.8	197.7	195.7	177.3	154.9	132.5	110.1	93.8
107.5°	201.8	254.8	275.2	271.1	260.9	250.7	226.3	199.8	171.2	142.7	124.3
110°	348.6	354.7	348.6	328.2	311.9	299.7	273.2	246.7	212.0	181.4	159.0



TEST NUMBER: P303110

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	444.4	424.0	401.6	377.1	360.8	346.5	316.0	285.4	252.8	222.2	197.7
115°	499.4	479.0	450.5	417.9	403.6	391.4	358.8	324.1	291.5	260.9	236.5
117.5°	544.3	517.8	491.3	462.7	448.5	432.2	401.6	369.0	332.3	299.7	277.2
120°	585.0	554.5	528.0	497.4	489.2	472.9	442.3	405.7	369.0	340.4	313.9
122.5°	615.6	589.1	560.6	536.1	521.8	509.6	475.0	442.3	407.7	377.1	352.7
125°	644.2	617.7	591.2	564.7	554.5	540.2	505.5	477.0	444.4	411.8	389.3
127.5°	672.7	642.1	621.7	603.4	585.0	566.7	536.1	509.6	479.0	452.5	426.0
130°	697.2	672.7	648.2	623.8	609.5	597.3	568.7	540.2	515.7	489.2	464.8
132.5°	713.5	695.1	670.7	652.3	631.9	621.7	593.2	568.7	542.2	519.8	495.3
135°	733.8	717.5	691.0	670.7	662.5	648.2	617.7	595.2	572.8	552.4	525.9
137.5°	754.2	735.9	715.5	693.1	680.8	670.7	642.1	625.8	601.3	578.9	558.5
140°	774.6	750.2	735.9	711.4	699.2	693.1	668.6	644.2	627.8	607.5	587.1
142.5°	786.8	766.5	748.1	729.8	721.6	711.4	689.0	662.5	650.3	634.0	611.5
145°	799.1	782.8	760.3	742.0	735.9	727.7	707.3	691.0	674.7	650.3	636.0
147.5°	811.3	793.0	778.7	760.3	748.1	746.1	725.7	709.4	691.0	678.8	658.4
150°	817.4	799.1	788.9	770.5	760.3	760.3	744.0	723.7	715.5	701.2	680.8
152.5°	825.6	813.3	801.1	788.9	776.7	774.6	760.3	746.1	729.8	715.5	703.3
155°	833.7	823.5	813.3	797.0	788.9	786.8	772.6	760.3	748.1	735.9	721.6
157.5°	837.8	821.5	815.4	805.2	799.1	793.0	778.7	768.5	764.4	750.2	733.8
160°	839.8	827.6	819.5	809.3	811.3	801.1	790.9	786.8	776.7	766.5	754.2
162.5°	841.9	837.8	825.6	817.4	815.4	807.2	801.1	795.0	788.9	780.7	770.5
165°	846.0	841.9	833.7	817.4	819.5	813.3	811.3	799.1	801.1	795.0	776.7
167.5°	843.9	837.8	829.7	829.7	819.5	819.5	813.3	811.3	805.2	799.1	786.8
170°	841.9	837.8	827.6	825.6	827.6	821.5	815.4	815.4	811.3	807.2	803.2
172.5°	835.8	831.7	825.6	831.7	825.6	821.5	817.4	809.3	817.4	809.3	801.1
175°	827.6	827.6	821.5	819.5	821.5	817.4	819.5	817.4	813.3	813.3	811.3
177.5°	821.5	823.5	815.4	817.4	819.5	815.4	819.5	819.5	821.5	815.4	819.5
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



TEST NUMBER: P303110

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
2.5°	3049.5	3037.3	3033.2	3033.2	3031.2	3023.0	3021.0	3021.0	3035.3	3053.6	3033.2
5°	3029.2	3016.9	3012.8	3014.9	3012.8	3004.7	3004.7	3004.7	3021.0	3039.3	3019.0
7.5°	3006.7	2994.5	2990.4	2990.4	2988.4	2980.2	2980.2	2980.2	2996.5	3010.8	2994.5
10°	2978.2	2966.0	2961.9	2961.9	2957.8	2949.7	2947.6	2949.7	2966.0	2976.2	2959.8
12.5°	2947.6	2933.3	2929.3	2927.2	2923.2	2915.0	2910.9	2910.9	2929.3	2937.4	2919.1
15°	2906.8	2894.6	2888.5	2890.5	2886.5	2876.3	2874.2	2870.2	2886.5	2888.5	2876.3
17.5°	2845.7	2833.5	2831.4	2833.5	2829.4	2821.2	2823.3	2821.2	2839.6	2833.5	2821.2
20°	2776.4	2764.2	2762.1	2764.2	2758.0	2756.0	2760.1	2762.1	2784.5	2774.3	2760.1
22.5°	2707.1	2692.8	2692.8	2690.8	2684.7	2680.6	2682.6	2686.7	2715.2	2705.0	2694.8
25°	2633.7	2621.5	2619.4	2617.4	2611.3	2605.2	2603.1	2603.1	2631.7	2619.4	2621.5
27.5°	2566.4	2548.1	2542.0	2539.9	2533.8	2525.7	2523.6	2523.6	2546.0	2531.8	2539.9
30°	2478.8	2464.5	2462.5	2462.5	2456.3	2448.2	2442.1	2444.1	2460.4	2438.0	2442.1
32.5°	2389.1	2372.8	2374.8	2370.7	2364.6	2364.6	2360.5	2360.5	2368.7	2344.2	2348.3
35°	2295.3	2283.1	2281.0	2277.0	2268.8	2264.7	2266.8	2274.9	2274.9	2250.5	2250.5
37.5°	2199.5	2185.2	2187.3	2181.2	2175.0	2171.0	2171.0	2181.2	2183.2	2158.7	2154.7
40°	2103.7	2091.5	2087.4	2087.4	2081.3	2077.2	2075.2	2087.4	2075.2	2069.0	2052.7
42.5°	2001.8	1989.5	1985.5	1985.5	1983.4	1981.4	1979.3	1987.5	1973.2	1956.9	1938.6
45°	1897.8	1893.7	1887.6	1881.5	1879.5	1879.5	1881.5	1881.5	1859.1	1840.7	1836.7
47.5°	1789.8	1789.8	1781.6	1779.6	1779.6	1777.5	1777.5	1767.3	1751.0	1738.8	1732.7
50°	1685.8	1681.7	1673.6	1675.6	1675.6	1671.5	1667.5	1649.1	1643.0	1632.8	1626.7
52.5°	1579.8	1581.8	1567.6	1571.7	1569.6	1561.5	1551.3	1543.1	1537.0	1526.8	1520.7
55°	1467.7	1463.6	1459.5	1467.7	1463.6	1447.3	1439.2	1435.1	1429.0	1418.8	1414.7
57.5°	1361.7	1363.7	1353.5	1355.6	1349.5	1335.2	1335.2	1329.1	1325.0	1310.7	1306.7
60°	1249.6	1241.4	1245.5	1249.6	1231.2	1225.1	1227.2	1221.0	1217.0	1202.7	1198.6
62.5°	1137.5	1137.5	1137.5	1127.3	1123.2	1117.1	1119.1	1113.0	1104.8	1094.7	1092.6
65°	1029.4	1025.3	1017.2	1017.2	1013.1	1009.0	1011.1	1007.0	992.7	986.6	984.6
67.5°	919.3	911.2	907.1	909.2	903.0	899.0	901.0	896.9	884.7	876.5	876.5
70°	811.3	795.0	797.0	797.0	793.0	786.8	788.9	780.7	774.6	774.6	768.5
72.5°	697.2	691.0	687.0	684.9	682.9	676.8	676.8	670.7	668.6	666.6	662.5
75°	585.0	576.9	576.9	576.9	572.8	568.7	568.7	560.6	556.5	560.6	554.5
77.5°	468.8	464.8	464.8	464.8	458.7	456.6	458.7	450.5	452.5	448.5	444.4
80°	362.8	358.8	358.8	356.7	358.8	350.6	352.7	346.5	346.5	344.5	340.4
82.5°	260.9	256.8	254.8	252.8	250.7	248.7	250.7	248.7	244.6	240.5	236.5
85°	163.1	157.0	157.0	157.0	157.0	150.8	150.8	146.8	140.7	138.6	134.5
87.5°	71.3	67.3	63.2	61.2	63.2	57.1	59.1	57.1	53.0	51.0	46.9
90°	2.0	4.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.2	8.2
92.5°	12.2	16.3	16.3	16.3	16.3	18.3	18.3	18.3	16.3	16.3	18.3
95°	22.4	26.5	30.6	32.6	32.6	34.7	34.7	32.6	32.6	32.6	32.6
97.5°	32.6	36.7	38.7	40.8	42.8	46.9	48.9	51.0	51.0	51.0	51.0
100°	46.9	46.9	51.0	55.0	55.0	55.0	59.1	61.2	65.2	67.3	67.3
102.5°	63.2	61.2	61.2	63.2	67.3	71.3	69.3	69.3	73.4	75.4	79.5
105°	85.6	79.5	77.5	75.4	77.5	81.5	85.6	85.6	83.6	83.6	85.6
107.5°	112.1	101.9	95.8	93.8	91.7	93.8	95.8	99.9	101.9	101.9	99.9
110°	142.7	126.4	118.2	114.2	110.1	108.0	108.0	112.1	114.2	118.2	120.3



TEST NUMBER: P303110

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	177.3	157.0	144.7	138.6	132.5	128.4	124.3	124.3	126.4	130.5	134.5
115°	214.0	191.6	175.3	167.2	159.0	148.8	144.7	140.7	138.6	142.7	144.7
117.5°	252.8	230.3	207.9	197.7	189.6	177.3	165.1	161.0	157.0	152.9	154.9
120°	289.5	267.0	242.6	234.4	224.2	207.9	191.6	181.4	177.3	173.3	169.2
122.5°	330.2	305.8	279.3	269.1	260.9	240.5	224.2	210.0	199.8	193.7	187.5
125°	366.9	342.5	318.0	307.8	295.6	277.2	258.9	242.6	228.3	218.1	207.9
127.5°	401.6	379.2	354.7	344.5	336.3	311.9	295.6	277.2	263.0	250.7	238.5
130°	444.4	409.7	391.4	381.2	371.0	352.7	330.2	313.9	299.7	285.4	271.1
132.5°	475.0	452.5	422.0	415.8	405.7	385.3	369.0	350.6	336.3	320.0	305.8
135°	503.5	483.1	464.8	450.5	444.4	419.9	403.6	387.3	371.0	358.8	344.5
137.5°	536.1	513.7	491.3	487.2	475.0	458.7	444.4	424.0	409.7	393.4	381.2
140°	566.7	544.3	528.0	511.7	505.5	493.3	479.0	464.8	448.5	432.2	417.9
142.5°	595.2	572.8	554.5	546.3	536.1	521.8	507.6	497.4	485.2	472.9	458.7
145°	619.7	597.3	583.0	574.8	566.7	550.4	538.2	530.0	517.8	503.5	491.3
147.5°	640.1	623.8	607.5	603.4	587.1	576.9	568.7	556.5	552.4	536.1	528.0
150°	662.5	648.2	636.0	625.8	619.7	603.4	595.2	589.1	578.9	568.7	558.5
152.5°	682.9	670.7	656.4	652.3	644.2	629.9	619.7	609.5	605.4	595.2	585.0
155°	703.3	691.0	678.8	672.7	668.6	658.4	642.1	636.0	631.9	625.8	617.7
157.5°	721.6	707.3	697.2	695.1	684.9	676.8	670.7	660.5	658.4	646.2	642.1
160°	737.9	729.8	715.5	709.4	711.4	699.2	689.0	678.8	687.0	670.7	668.6
162.5°	754.2	744.0	740.0	731.8	729.8	723.7	715.5	705.3	699.2	703.3	689.0
165°	772.6	762.4	754.2	750.2	746.1	731.8	729.8	723.7	725.7	723.7	719.6
167.5°	780.7	772.6	770.5	762.4	762.4	758.3	750.2	742.0	744.0	744.0	733.8
170°	790.9	782.8	778.7	774.6	774.6	764.4	764.4	758.3	766.5	762.4	754.2
172.5°	801.1	793.0	788.9	790.9	784.8	782.8	776.7	772.6	776.7	780.7	776.7
175°	807.2	799.1	799.1	797.0	790.9	790.9	790.9	790.9	786.8	788.9	782.8
177.5°	813.3	807.2	799.1	805.2	805.2	799.1	795.0	801.1	799.1	811.3	801.1
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3



TEST NUMBER: P303110

CATALOG NUMBER: CTW-F-2575-50L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3	3039.3
2.5°	3041.4	3037.3	3035.3	3029.2	3027.1	3021.0	3016.9	3021.0
5°	3025.1	3021.0	3019.0	3014.9	3014.9	3014.9	3014.9	3021.0
7.5°	2998.6	2994.5	2996.5	2992.5	2994.5	2996.5	2996.5	2998.6
10°	2966.0	2961.9	2959.8	2955.8	2957.8	2957.8	2957.8	2963.9
12.5°	2921.1	2917.0	2915.0	2910.9	2915.0	2919.1	2921.1	2923.2
15°	2876.3	2872.2	2870.2	2866.1	2870.2	2874.2	2872.2	2878.3
17.5°	2821.2	2817.2	2813.1	2809.0	2811.0	2813.1	2813.1	2815.1
20°	2754.0	2747.8	2743.8	2739.7	2741.7	2741.7	2745.8	2747.8
22.5°	2678.5	2672.4	2668.3	2666.3	2664.3	2664.3	2672.4	2674.5
25°	2609.2	2592.9	2590.9	2588.8	2586.8	2584.8	2590.9	2592.9
27.5°	2529.7	2515.5	2509.3	2505.3	2503.2	2499.2	2503.2	2515.5
30°	2442.1	2431.9	2425.8	2417.6	2417.6	2411.5	2417.6	2417.6
32.5°	2344.2	2342.2	2336.1	2334.0	2325.9	2319.8	2323.8	2336.1
35°	2242.3	2244.3	2244.3	2240.3	2228.0	2219.9	2221.9	2234.2
37.5°	2142.4	2134.3	2136.3	2128.2	2109.8	2101.7	2101.7	2107.8
40°	2024.2	2014.0	2016.0	2012.0	2005.8	2001.8	2003.8	1999.7
42.5°	1924.3	1914.1	1918.2	1912.1	1906.0	1899.8	1903.9	1901.9
45°	1822.4	1812.2	1810.2	1814.2	1804.0	1804.0	1802.0	1804.0
47.5°	1718.4	1710.3	1712.3	1712.3	1702.1	1702.1	1700.1	1706.2
50°	1614.5	1608.3	1608.3	1604.3	1600.2	1598.2	1598.2	1600.2
52.5°	1514.6	1504.4	1502.3	1506.4	1494.2	1496.2	1496.2	1494.2
55°	1404.5	1398.4	1398.4	1400.4	1390.2	1392.3	1392.3	1390.2
57.5°	1304.6	1294.4	1294.4	1296.5	1290.3	1288.3	1286.3	1288.3
60°	1198.6	1188.4	1188.4	1190.5	1178.2	1182.3	1182.3	1184.3
62.5°	1092.6	1088.5	1080.4	1078.3	1078.3	1076.3	1078.3	1076.3
65°	984.6	980.5	972.3	976.4	966.2	970.3	966.2	968.3
67.5°	876.5	872.5	866.3	868.4	860.2	864.3	864.3	864.3
70°	768.5	764.4	758.3	756.3	758.3	756.3	756.3	756.3
72.5°	660.5	658.4	650.3	650.3	652.3	650.3	646.2	648.2
75°	548.3	550.4	542.2	544.3	546.3	544.3	544.3	540.2
77.5°	438.3	440.3	438.3	434.2	436.2	436.2	434.2	432.2
80°	334.3	336.3	334.3	330.2	332.3	330.2	330.2	328.2
82.5°	230.3	232.4	228.3	224.2	226.3	224.2	222.2	220.2
85°	130.5	130.5	130.5	126.4	128.4	128.4	126.4	124.3
87.5°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	42.8
90°	8.2	10.2	8.2	8.2	8.2	8.2	8.2	8.2
92.5°	18.3	18.3	16.3	16.3	16.3	14.3	14.3	16.3
95°	32.6	34.7	32.6	32.6	32.6	32.6	32.6	32.6
97.5°	51.0	51.0	51.0	48.9	48.9	46.9	46.9	48.9
100°	69.3	69.3	69.3	69.3	69.3	67.3	67.3	69.3
102.5°	81.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
105°	89.7	91.7	91.7	91.7	93.8	93.8	93.8	93.8
107.5°	99.9	101.9	101.9	101.9	101.9	101.9	104.0	101.9
110°	120.3	118.2	116.2	116.2	116.2	114.2	116.2	116.2



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	136.6	138.6	138.6	138.6	138.6	138.6	136.6	138.6
115°	148.8	150.8	150.8	152.9	152.9	152.9	154.9	154.9
117.5°	159.0	161.0	161.0	163.1	163.1	165.1	167.2	167.2
120°	169.2	171.2	171.2	171.2	173.3	173.3	173.3	175.3
122.5°	185.5	183.5	183.5	183.5	183.5	181.4	183.5	183.5
125°	205.9	201.8	199.8	199.8	197.7	195.7	195.7	195.7
127.5°	228.3	224.2	222.2	220.2	218.1	214.0	214.0	212.0
130°	258.9	250.7	248.7	244.6	238.5	236.5	236.5	234.4
132.5°	293.5	285.4	279.3	277.2	269.1	265.0	263.0	263.0
135°	332.3	322.1	318.0	313.9	305.8	299.7	299.7	295.6
137.5°	369.0	356.7	354.7	352.7	344.5	338.4	334.3	330.2
140°	403.6	395.5	389.3	389.3	381.2	373.0	371.0	366.9
142.5°	444.4	436.2	424.0	424.0	413.8	411.8	407.7	405.7
145°	479.0	470.9	466.8	466.8	454.6	452.5	446.4	448.5
147.5°	513.7	507.6	501.5	501.5	491.3	487.2	483.1	481.1
150°	548.3	540.2	536.1	536.1	528.0	521.8	519.8	517.8
152.5°	576.9	568.7	568.7	566.7	556.5	556.5	552.4	554.5
155°	607.5	599.3	601.3	597.3	591.2	587.1	585.0	585.0
157.5°	634.0	629.9	625.8	623.8	621.7	619.7	615.6	613.6
160°	662.5	658.4	654.3	652.3	652.3	648.2	644.2	648.2
162.5°	689.0	682.9	682.9	680.8	680.8	676.8	674.7	676.8
165°	711.4	707.3	707.3	707.3	703.3	707.3	701.2	701.2
167.5°	731.8	731.8	729.8	723.7	723.7	721.6	723.7	725.7
170°	750.2	752.2	748.1	746.1	746.1	746.1	746.1	746.1
172.5°	772.6	768.5	770.5	764.4	766.5	762.4	760.3	764.4
175°	786.8	784.8	784.8	784.8	778.7	780.7	776.7	774.6
177.5°	801.1	801.1	799.1	799.1	797.0	795.0	795.0	790.9
180°	813.3	813.3	813.3	813.3	813.3	813.3	813.3	813.3

(END OF REPORT)