

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: P303249

Luminaire Tested: **CTW-F-7525-50L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303249
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-7525-50L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8999.0 lumens
Efficiency: N/A
Efficacy: 122.1 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

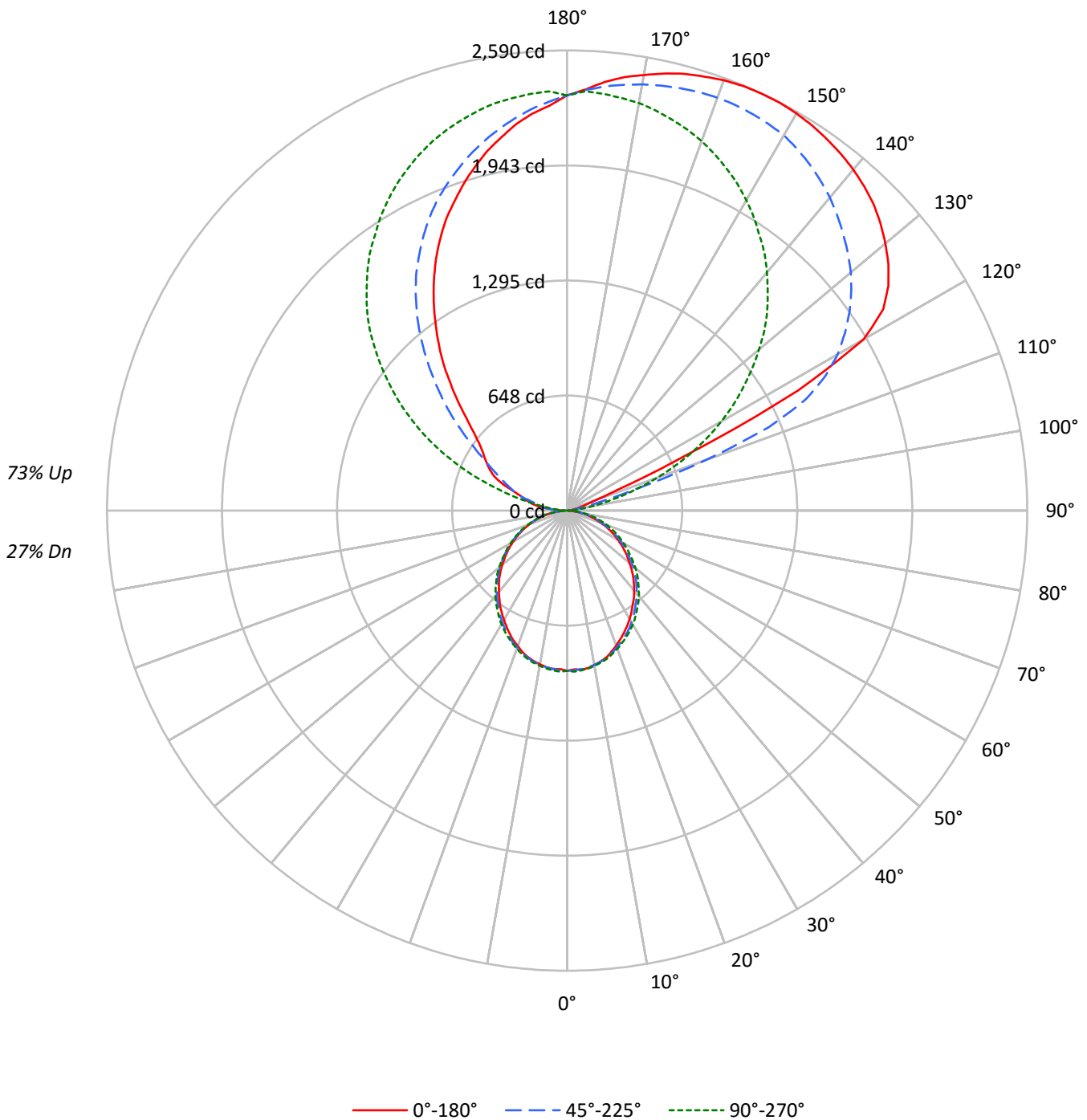
Input Watts (W): 73.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9707	9707	9707
5°	9705	9763	9666
10°	9640	9699	9601
15°	9528	9628	9508
20°	9258	9485	9299
25°	9000	9342	9086
30°	8748	9195	8837
35°	8468	8988	8633
40°	8245	8827	8397
45°	8001	8604	8220
50°	7656	8380	7988
55°	7431	8073	7769
60°	7130	7905	7556
65°	6831	7702	7335
70°	6401	7478	7081
75°	5914	7261	6737
80°	4909	6695	6137
85°	2668	6002	4668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	0.9
10°-20°	240.8	2.7
20°-30°	355.4	3.9
30°-40°	417.0	4.6
40°-50°	422.9	4.7
50°-60°	374.8	4.2
60°-70°	286.8	3.2
70°-80°	170.2	1.9
80°-90°	47.2	0.5
90°-100°	65.9	0.7
100°-110°	279.8	3.1
110°-120°	796.2	8.8
120°-130°	1163.7	12.9
130°-140°	1255.5	14.0
140°-150°	1195.1	13.3
150°-160°	980.6	10.9
160°-170°	640.3	7.1
170°-180°	221.8	2.5
0°-30°	681.3	7.6
0°-40°	1098.3	12.2
0°-60°	1895.9	21.1
0°-90°	2400.2	26.7
90°-120°	1141.9	12.7
90°-150°	4756.1	52.9
90°-180°	6599.0	73.3
0°-180°	8999.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	902	902	902	902	902	
5°	898	896	904	896	895	85
15°	855	857	864	857	853	240
25°	758	776	787	776	765	349
35°	644	668	684	671	657	404
45°	526	547	565	554	540	405
55°	396	414	430	428	414	353
65°	268	283	302	297	288	265
75°	142	151	175	167	162	149
85°	22	32	49	43	38	31
90°	4	4	2	13	20	3
95°	16	20	49	90	86	18
105°	77	196	315	218	245	90
115°	752	1481	774	401	450	875
125°	2207	1939	1210	662	581	1954
135°	2439	2198	1593	1071	868	1882
145°	2550	2380	1888	1485	1292	1600
155°	2590	2464	2124	1827	1690	1197
165°	2545	2460	2279	2083	2003	721
175°	2421	2396	2354	2270	2243	233
180°	2336	2336	2336	2336	2336	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	894.6	894.6	896.4	900.0	900.0	900.0	901.8	903.6	901.8	905.4	900.0
5°	898.2	896.4	896.4	896.4	896.4	898.2	898.2	900.0	898.2	901.8	896.4
7.5°	894.6	892.8	892.8	891.0	889.2	889.2	891.0	892.8	891.0	894.6	891.0
10°	882.0	880.2	882.0	880.2	880.2	882.0	882.0	882.0	883.8	885.6	882.0
12.5°	869.4	869.4	867.6	867.6	867.6	867.6	869.4	871.2	871.2	873.0	871.2
15°	855.0	851.4	853.2	855.0	853.2	855.0	855.0	856.8	856.8	858.6	856.8
17.5°	831.6	831.6	833.4	835.2	835.2	835.2	837.0	837.0	838.8	840.6	838.8
20°	808.2	808.2	808.2	811.8	811.8	811.8	813.6	815.4	817.2	819.0	819.0
22.5°	783.0	783.0	783.0	786.6	786.6	786.6	790.2	792.0	793.8	795.6	797.4
25°	757.8	757.8	759.6	761.4	761.4	761.4	765.0	766.8	768.6	770.4	775.8
27.5°	730.8	730.8	732.6	734.4	736.2	738.0	739.8	741.6	745.2	747.0	752.4
30°	703.8	702.0	703.8	707.4	709.2	709.2	712.8	714.6	718.2	720.0	725.4
32.5°	675.0	673.2	675.0	678.6	680.4	680.4	684.0	685.8	689.4	691.2	698.4
35°	644.4	644.4	648.0	648.0	649.8	651.6	653.4	657.0	660.6	662.4	667.8
37.5°	617.4	615.6	619.2	619.2	621.0	622.8	624.6	628.2	631.8	635.4	639.0
40°	586.8	583.2	586.8	588.6	590.4	592.2	594.0	595.8	601.2	604.8	608.4
42.5°	556.2	552.6	556.2	558.0	561.6	561.6	561.6	565.2	570.6	574.2	577.8
45°	525.6	522.0	525.6	525.6	529.2	531.0	531.0	532.8	538.2	541.8	547.2
47.5°	493.2	493.2	495.0	496.8	498.6	498.6	500.4	502.2	505.8	513.0	514.8
50°	457.2	457.2	459.0	462.6	464.4	468.0	468.0	469.8	473.4	478.8	482.4
52.5°	426.6	424.8	426.6	428.4	430.2	432.0	432.0	433.8	437.4	442.8	446.4
55°	396.0	396.0	396.0	397.8	399.6	399.6	401.4	403.2	405.0	408.6	414.0
57.5°	363.6	363.6	365.4	365.4	367.2	367.2	369.0	370.8	372.6	376.2	381.6
60°	331.2	333.0	331.2	333.0	334.8	334.8	336.6	338.4	340.2	343.8	349.2
62.5°	300.6	300.6	300.6	300.6	302.4	302.4	304.2	306.0	309.6	311.4	315.0
65°	268.2	268.2	268.2	268.2	271.8	271.8	271.8	275.4	277.2	277.2	282.6
67.5°	235.8	237.6	235.8	237.6	239.4	239.4	239.4	243.0	244.8	246.6	248.4
70°	203.4	205.2	205.2	205.2	207.0	207.0	207.0	210.6	212.4	214.2	216.0
72.5°	172.8	172.8	174.6	174.6	174.6	174.6	176.4	178.2	180.0	181.8	183.6
75°	142.2	142.2	142.2	142.2	144.0	144.0	144.0	147.6	149.4	151.2	151.2
77.5°	109.8	111.6	109.8	109.8	111.6	111.6	113.4	115.2	117.0	120.6	122.4
80°	79.2	79.2	81.0	81.0	82.8	81.0	82.8	84.6	86.4	90.0	90.0
82.5°	50.4	50.4	50.4	52.2	52.2	54.0	54.0	54.0	55.8	59.4	61.2
85°	21.6	21.6	21.6	21.6	25.2	25.2	25.2	27.0	28.8	30.6	32.4
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
92.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
95°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	18.0	18.0	19.8
97.5°	25.2	25.2	25.2	25.2	25.2	27.0	27.0	28.8	30.6	32.4	36.0
100°	37.8	37.8	39.6	39.6	39.6	41.4	41.4	45.0	48.6	54.0	63.0
102.5°	55.8	54.0	55.8	55.8	57.6	59.4	61.2	66.6	73.8	86.4	106.2
105°	77.4	75.6	77.4	79.2	82.8	86.4	90.0	100.8	117.0	145.8	196.2
107.5°	109.8	108.0	111.6	117.0	124.2	133.2	142.2	162.0	212.4	293.4	414.0
110°	162.0	169.2	176.4	192.6	216.0	241.2	257.4	343.8	450.0	624.6	824.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	311.4	334.8	356.4	410.4	486.0	556.2	597.6	790.2	952.2	1123.2	1229.4
115°	752.4	808.2	826.2	963.0	1078.2	1173.6	1215.0	1373.4	1443.6	1477.8	1481.4
117.5°	1467.0	1519.2	1519.2	1600.2	1665.0	1695.6	1699.2	1715.4	1702.8	1681.2	1638.0
120°	1926.0	1929.6	1936.8	1935.0	1936.8	1933.2	1920.6	1897.2	1854.0	1809.0	1756.8
122.5°	2109.6	2106.0	2100.6	2084.4	2066.4	2055.6	2035.8	2001.6	1958.4	1906.2	1852.2
125°	2206.8	2201.4	2194.2	2178.0	2154.6	2145.6	2122.2	2084.4	2041.2	1990.8	1938.6
127.5°	2278.8	2273.4	2264.4	2250.0	2226.6	2215.8	2194.2	2154.6	2113.2	2068.2	2016.0
130°	2338.2	2332.8	2323.8	2314.8	2293.2	2278.8	2259.0	2219.4	2181.6	2134.8	2084.4
132.5°	2392.2	2385.0	2376.0	2368.8	2347.2	2336.4	2314.8	2278.8	2241.0	2196.0	2143.8
135°	2438.9	2429.9	2419.1	2411.9	2392.2	2379.6	2359.8	2327.4	2291.4	2248.2	2197.8
137.5°	2474.9	2465.9	2456.9	2446.1	2429.9	2411.9	2401.1	2372.4	2336.4	2296.8	2251.8
140°	2505.5	2498.3	2489.3	2482.1	2464.1	2446.1	2435.3	2410.1	2376.0	2341.8	2300.4
142.5°	2530.7	2525.3	2516.3	2507.3	2491.1	2474.9	2465.9	2442.5	2415.5	2379.6	2341.8
145°	2550.5	2545.1	2537.9	2530.7	2514.5	2501.9	2491.1	2474.9	2447.9	2411.9	2379.6
147.5°	2568.5	2563.1	2557.7	2550.5	2534.3	2525.3	2516.3	2498.3	2471.3	2438.9	2411.9
150°	2581.1	2575.7	2570.3	2564.9	2548.7	2539.7	2534.3	2516.3	2492.9	2460.5	2438.9
152.5°	2588.3	2582.9	2577.5	2573.9	2557.7	2548.7	2543.3	2527.1	2503.7	2474.9	2453.3
155°	2590.1	2586.5	2581.1	2575.7	2559.5	2548.7	2546.9	2530.7	2510.9	2483.9	2464.1
157.5°	2586.5	2581.1	2575.7	2570.3	2554.1	2546.9	2543.3	2530.7	2512.7	2491.1	2471.3
160°	2577.5	2572.1	2570.3	2563.1	2550.5	2545.1	2541.5	2530.7	2514.5	2494.7	2473.1
162.5°	2561.3	2559.5	2557.7	2552.3	2543.3	2537.9	2536.1	2525.3	2509.1	2492.9	2469.5
165°	2545.1	2541.5	2537.9	2532.5	2525.3	2521.7	2518.1	2510.9	2494.7	2483.9	2460.5
167.5°	2519.9	2514.5	2510.9	2505.5	2496.5	2498.3	2494.7	2491.1	2478.5	2473.1	2449.7
170°	2489.3	2487.5	2482.1	2478.5	2473.1	2474.9	2473.1	2469.5	2458.7	2455.1	2435.3
172.5°	2460.5	2455.1	2453.3	2449.7	2444.3	2442.5	2444.3	2440.7	2435.3	2437.1	2417.3
175°	2420.9	2415.5	2415.5	2411.9	2408.3	2410.1	2411.9	2413.7	2406.5	2413.7	2395.7
177.5°	2372.4	2368.8	2372.4	2376.0	2374.2	2377.8	2379.6	2381.4	2377.8	2385.0	2368.8
180°	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	896.4	896.4	896.4	896.4	896.4	896.4	896.4	900.0	905.4	907.2	905.4
5°	892.8	894.6	892.8	894.6	894.6	894.6	894.6	898.2	901.8	903.6	901.8
7.5°	887.4	889.2	887.4	887.4	889.2	887.4	889.2	891.0	894.6	896.4	894.6
10°	878.4	878.4	878.4	880.2	880.2	880.2	880.2	883.8	887.4	887.4	885.6
12.5°	865.8	867.6	867.6	869.4	869.4	867.6	869.4	873.0	874.8	876.6	874.8
15°	853.2	853.2	853.2	855.0	855.0	855.0	855.0	858.6	862.2	864.0	862.2
17.5°	833.4	835.2	835.2	837.0	837.0	838.8	837.0	842.4	844.2	846.0	844.2
20°	815.4	815.4	817.2	817.2	819.0	819.0	819.0	822.6	826.2	828.0	826.2
22.5°	793.8	795.6	795.6	797.4	799.2	797.4	799.2	802.8	804.6	806.4	806.4
25°	770.4	772.2	772.2	775.8	775.8	775.8	775.8	779.4	783.0	786.6	784.8
27.5°	747.0	747.0	748.8	752.4	752.4	754.2	754.2	757.8	761.4	763.2	761.4
30°	721.8	721.8	723.6	725.4	727.2	727.2	729.0	732.6	736.2	739.8	736.2
32.5°	696.6	694.8	698.4	700.2	702.0	702.0	702.0	707.4	709.2	712.8	711.0
35°	667.8	666.0	669.6	671.4	673.2	673.2	676.8	678.6	682.2	684.0	682.2
37.5°	640.8	639.0	642.6	644.4	644.4	646.2	648.0	651.6	655.2	657.0	657.0
40°	612.0	610.2	612.0	615.6	615.6	617.4	619.2	621.0	622.8	628.2	626.4
42.5°	583.2	581.4	583.2	585.0	586.8	586.8	590.4	590.4	595.8	595.8	595.8
45°	549.0	550.8	552.6	556.2	556.2	554.4	558.0	559.8	565.2	565.2	563.4
47.5°	518.4	520.2	520.2	525.6	525.6	523.8	527.4	529.2	532.8	534.6	532.8
50°	486.0	487.8	489.6	493.2	493.2	493.2	495.0	498.6	500.4	500.4	500.4
52.5°	448.2	450.0	453.6	459.0	459.0	459.0	462.6	462.6	466.2	466.2	468.0
55°	415.8	417.6	421.2	424.8	424.8	426.6	428.4	430.2	432.0	430.2	432.0
57.5°	383.4	387.0	390.6	392.4	392.4	394.2	396.0	397.8	399.6	399.6	399.6
60°	351.0	352.8	354.6	360.0	360.0	361.8	363.6	365.4	365.4	367.2	367.2
62.5°	318.6	322.2	324.0	325.8	329.4	327.6	331.2	331.2	333.0	334.8	334.8
65°	284.4	286.2	289.8	293.4	293.4	295.2	298.8	298.8	300.6	302.4	302.4
67.5°	252.0	257.4	257.4	261.0	262.8	262.8	264.6	268.2	268.2	270.0	270.0
70°	217.8	223.2	225.0	226.8	228.6	230.4	232.2	234.0	235.8	237.6	237.6
72.5°	187.2	190.8	192.6	194.4	196.2	196.2	199.8	199.8	203.4	205.2	205.2
75°	153.0	156.6	158.4	162.0	163.8	165.6	167.4	167.4	171.0	174.6	172.8
77.5°	124.2	126.0	127.8	129.6	131.4	133.2	135.0	136.8	138.6	140.4	140.4
80°	93.6	95.4	95.4	99.0	100.8	102.6	104.4	106.2	106.2	108.0	109.8
82.5°	63.0	64.8	66.6	68.4	70.2	72.0	73.8	75.6	75.6	77.4	77.4
85°	34.2	36.0	37.8	39.6	41.4	43.2	45.0	46.8	46.8	48.6	48.6
87.5°	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.8	19.8	21.6	21.6
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8
92.5°	9.0	10.8	10.8	14.4	16.2	18.0	21.6	25.2	21.6	18.0	19.8
95°	21.6	27.0	32.4	43.2	50.4	57.6	68.4	68.4	55.8	48.6	45.0
97.5°	43.2	54.0	72.0	97.2	113.4	124.2	136.8	129.6	108.0	90.0	81.0
100°	77.4	104.4	138.6	194.4	217.8	230.4	234.0	214.2	178.2	149.4	129.6
102.5°	138.6	201.6	279.0	349.2	370.8	374.4	351.0	315.0	266.4	223.2	192.6
105°	275.4	397.8	495.0	554.4	561.6	549.0	495.0	437.4	372.6	315.0	268.2
107.5°	581.4	707.4	757.8	761.4	745.2	714.6	646.2	579.6	489.6	419.4	358.2
110°	963.0	1006.2	984.6	941.4	909.0	860.4	781.2	707.4	612.0	538.2	464.4



TEST NUMBER: P303249

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1245.6	1224.0	1166.4	1089.0	1044.0	1000.8	918.0	837.0	734.4	657.0	577.8
115°	1438.2	1380.6	1306.8	1220.4	1170.0	1130.4	1047.6	950.4	853.2	774.0	691.2
117.5°	1576.8	1499.4	1423.8	1342.8	1296.0	1251.0	1166.4	1071.0	968.4	891.0	806.4
120°	1683.0	1609.2	1530.0	1452.6	1404.0	1366.2	1281.6	1180.8	1083.6	999.0	923.4
122.5°	1780.2	1704.6	1630.8	1557.0	1513.8	1470.6	1378.8	1281.6	1188.0	1110.6	1031.4
125°	1868.4	1792.8	1722.6	1652.4	1605.6	1560.6	1470.6	1380.6	1290.6	1209.6	1139.4
127.5°	1949.4	1879.2	1807.2	1740.6	1692.0	1647.0	1560.6	1472.4	1391.4	1312.2	1242.0
130°	2021.4	1958.4	1888.2	1821.6	1771.2	1728.0	1645.2	1562.4	1485.0	1409.4	1337.4
132.5°	2088.0	2028.6	1962.0	1890.0	1841.4	1803.6	1726.2	1647.0	1576.8	1506.6	1432.8
135°	2151.0	2088.0	2023.2	1953.0	1908.0	1873.8	1796.4	1722.6	1657.8	1593.0	1524.6
137.5°	2210.4	2138.4	2077.2	2008.8	1969.2	1936.8	1866.6	1798.2	1737.0	1670.4	1609.2
140°	2255.4	2187.0	2124.0	2059.2	2026.8	1998.0	1929.6	1866.6	1810.8	1749.6	1690.2
142.5°	2295.0	2226.6	2170.8	2107.8	2077.2	2052.0	1989.0	1931.4	1881.0	1825.2	1765.8
145°	2325.6	2262.6	2212.2	2154.6	2127.6	2102.4	2041.2	1990.8	1944.0	1888.2	1836.0
147.5°	2354.4	2296.8	2250.0	2196.0	2174.4	2149.2	2093.4	2048.4	2005.2	1956.6	1904.4
150°	2377.8	2327.4	2282.4	2233.8	2214.0	2190.6	2140.2	2098.8	2059.2	2017.8	1969.2
152.5°	2395.7	2352.6	2313.0	2268.0	2250.0	2228.4	2185.2	2149.2	2113.2	2073.6	2028.6
155°	2408.3	2374.2	2338.2	2300.4	2280.6	2264.4	2223.0	2192.4	2161.8	2124.0	2082.6
157.5°	2420.9	2390.4	2354.4	2322.0	2307.6	2289.6	2255.4	2230.2	2203.2	2170.8	2133.0
160°	2426.3	2401.1	2368.8	2341.8	2329.2	2314.8	2282.4	2262.6	2239.2	2212.2	2178.0
162.5°	2428.1	2406.5	2379.6	2358.0	2347.2	2334.6	2305.8	2289.6	2271.6	2248.2	2215.8
165°	2428.1	2410.1	2388.6	2370.6	2361.6	2350.8	2325.6	2313.0	2296.8	2278.8	2250.0
167.5°	2422.7	2408.3	2390.4	2376.0	2368.8	2358.0	2340.0	2332.8	2320.2	2305.8	2282.4
170°	2413.7	2402.9	2388.6	2379.6	2372.4	2363.4	2350.8	2345.4	2340.0	2329.2	2305.8
172.5°	2401.1	2392.2	2381.4	2376.0	2372.4	2365.2	2352.6	2354.4	2350.8	2341.8	2325.6
175°	2383.2	2377.8	2372.4	2368.8	2365.2	2359.8	2352.6	2356.2	2358.0	2354.4	2340.0
177.5°	2359.8	2358.0	2356.2	2356.2	2350.8	2350.8	2347.2	2354.4	2361.6	2361.6	2350.8
180°	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4



TEST NUMBER: P303249

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	901.8	898.2	896.4	896.4	896.4	894.6	894.6	896.4	900.0	905.4	900.0
5°	900.0	894.6	894.6	894.6	894.6	892.8	891.0	892.8	896.4	901.8	896.4
7.5°	892.8	889.2	887.4	887.4	887.4	885.6	885.6	885.6	889.2	894.6	889.2
10°	883.8	880.2	880.2	880.2	878.4	876.6	876.6	876.6	882.0	885.6	880.2
12.5°	873.0	869.4	869.4	867.6	867.6	865.8	864.0	865.8	871.2	873.0	869.4
15°	858.6	855.0	855.0	855.0	853.2	853.2	851.4	851.4	856.8	858.6	855.0
17.5°	842.4	838.8	837.0	838.8	837.0	835.2	835.2	835.2	838.8	840.6	835.2
20°	822.6	819.0	819.0	817.2	817.2	815.4	815.4	815.4	820.8	819.0	815.4
22.5°	802.8	799.2	799.2	797.4	797.4	795.6	793.8	793.8	801.0	795.6	793.8
25°	781.2	777.6	777.6	775.8	774.0	772.2	772.2	772.2	775.8	772.2	770.4
27.5°	759.6	756.0	756.0	754.2	752.4	748.8	748.8	748.8	754.2	748.8	748.8
30°	732.6	730.8	730.8	729.0	725.4	723.6	723.6	725.4	729.0	723.6	721.8
32.5°	707.4	703.8	703.8	703.8	700.2	698.4	698.4	700.2	702.0	696.6	694.8
35°	678.6	676.8	676.8	675.0	671.4	671.4	669.6	671.4	671.4	667.8	666.0
37.5°	651.6	649.8	648.0	648.0	644.4	644.4	644.4	646.2	644.4	640.8	639.0
40°	622.8	621.0	619.2	617.4	615.6	615.6	615.6	619.2	615.6	612.0	610.2
42.5°	594.0	592.2	590.4	588.6	586.8	586.8	586.8	588.6	585.0	583.2	581.4
45°	561.6	561.6	559.8	558.0	558.0	558.0	556.2	558.0	554.4	552.6	549.0
47.5°	531.0	531.0	529.2	529.2	527.4	527.4	527.4	527.4	523.8	523.8	520.2
50°	500.4	498.6	496.8	498.6	498.6	496.8	496.8	495.0	493.2	493.2	487.8
52.5°	466.2	468.0	462.6	464.4	466.2	462.6	462.6	460.8	460.8	457.2	453.6
55°	432.0	432.0	432.0	432.0	433.8	430.2	428.4	426.6	428.4	424.8	421.2
57.5°	399.6	399.6	399.6	399.6	401.4	397.8	396.0	397.8	396.0	392.4	390.6
60°	369.0	367.2	367.2	367.2	369.0	365.4	365.4	363.6	363.6	358.2	358.2
62.5°	336.6	334.8	336.6	334.8	336.6	334.8	331.2	333.0	331.2	327.6	325.8
65°	304.2	302.4	304.2	302.4	302.4	300.6	298.8	298.8	297.0	295.2	293.4
67.5°	271.8	270.0	270.0	270.0	271.8	268.2	270.0	266.4	264.6	264.6	261.0
70°	237.6	237.6	237.6	235.8	237.6	234.0	234.0	234.0	232.2	230.4	228.6
72.5°	207.0	205.2	205.2	203.4	205.2	203.4	201.6	201.6	199.8	199.8	198.0
75°	172.8	172.8	172.8	172.8	172.8	171.0	169.2	169.2	167.4	167.4	165.6
77.5°	140.4	140.4	140.4	140.4	140.4	140.4	136.8	136.8	136.8	136.8	133.2
80°	109.8	109.8	109.8	108.0	109.8	108.0	106.2	106.2	106.2	104.4	102.6
82.5°	79.2	79.2	79.2	77.4	79.2	77.4	77.4	75.6	73.8	73.8	70.2
85°	48.6	50.4	50.4	48.6	48.6	48.6	48.6	45.0	43.2	43.2	41.4
87.5°	21.6	21.6	21.6	19.8	19.8	19.8	18.0	18.0	16.2	16.2	16.2
90°	3.6	5.4	7.2	9.0	9.0	10.8	12.6	12.6	12.6	12.6	14.4
92.5°	28.8	37.8	39.6	43.2	41.4	43.2	43.2	41.4	43.2	39.6	41.4
95°	50.4	57.6	70.2	77.4	82.8	91.8	95.4	93.6	90.0	88.2	90.0
97.5°	79.2	86.4	91.8	93.6	97.2	109.8	122.4	131.4	138.6	142.2	145.8
100°	122.4	117.0	124.2	129.6	133.2	131.4	136.8	147.6	156.6	163.8	171.0
102.5°	176.4	162.0	156.6	160.2	165.6	176.4	176.4	174.6	178.2	183.6	194.4
105°	239.4	219.6	205.2	203.4	203.4	210.6	223.2	228.6	217.8	217.8	221.4
107.5°	316.8	284.4	262.8	255.6	253.8	250.2	259.2	273.6	282.6	280.8	270.0
110°	405.0	361.8	331.2	318.6	311.4	300.6	302.4	307.8	318.6	333.0	342.0



TEST NUMBER: P303249

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	509.4	455.4	408.6	392.4	374.4	360.0	349.2	351.0	356.4	367.2	379.8
115°	619.2	558.0	498.6	477.0	455.4	423.0	405.0	399.6	401.4	405.0	412.2
117.5°	730.8	664.2	597.6	570.6	545.4	507.6	473.4	455.4	448.2	446.4	453.6
120°	844.2	770.4	705.6	675.0	644.4	601.2	556.2	522.0	507.6	496.8	496.8
122.5°	955.8	883.8	811.8	781.2	747.0	696.6	648.0	604.8	576.0	554.4	545.4
125°	1062.0	995.4	919.8	891.0	855.0	799.2	745.2	700.2	662.4	628.2	606.6
127.5°	1166.4	1101.6	1026.0	997.2	964.8	905.4	855.0	801.0	761.4	718.2	685.8
130°	1269.0	1204.2	1132.2	1103.4	1072.8	1015.2	955.8	903.6	864.0	820.8	784.8
132.5°	1366.2	1301.4	1236.6	1204.2	1173.6	1119.6	1062.0	1009.8	966.6	925.2	891.0
135°	1461.6	1393.2	1332.0	1301.4	1270.8	1220.4	1166.4	1117.8	1071.0	1027.8	993.6
137.5°	1548.0	1485.0	1425.6	1395.0	1366.2	1317.6	1270.8	1225.8	1179.0	1134.0	1096.2
140°	1630.8	1569.6	1513.8	1486.8	1458.0	1409.4	1368.0	1328.4	1285.2	1233.0	1200.6
142.5°	1710.0	1648.8	1600.2	1573.2	1542.6	1501.2	1459.8	1423.8	1387.8	1342.8	1305.0
145°	1783.8	1722.6	1677.6	1654.2	1625.4	1585.8	1546.2	1513.8	1485.0	1440.0	1405.8
147.5°	1854.0	1798.2	1755.0	1729.8	1706.4	1668.6	1630.8	1600.2	1580.4	1535.4	1503.0
150°	1922.4	1864.8	1827.0	1803.6	1780.2	1746.0	1711.8	1683.0	1665.0	1627.2	1596.6
152.5°	1983.6	1931.4	1897.2	1875.6	1854.0	1819.8	1787.4	1760.4	1747.8	1708.2	1690.2
155°	2043.0	1992.6	1962.0	1944.0	1922.4	1884.6	1859.4	1832.4	1827.0	1792.8	1767.6
157.5°	2095.2	2050.2	2019.6	2001.6	1983.6	1951.2	1926.0	1904.4	1899.0	1868.4	1845.0
160°	2140.2	2100.6	2073.6	2059.2	2043.0	2010.6	1987.2	1969.2	1962.0	1940.4	1918.8
162.5°	2185.2	2147.4	2124.0	2109.6	2097.0	2066.4	2046.6	2028.6	2023.2	2008.8	1987.2
165°	2223.0	2188.8	2167.2	2156.4	2145.6	2118.6	2100.6	2084.4	2082.6	2071.8	2048.4
167.5°	2257.2	2226.6	2208.6	2199.6	2188.8	2165.4	2151.0	2136.6	2134.8	2133.0	2107.8
170°	2284.2	2259.0	2242.8	2235.6	2228.4	2206.8	2194.2	2183.4	2183.4	2185.2	2163.6
172.5°	2307.6	2286.0	2275.2	2266.2	2262.6	2242.8	2233.8	2224.8	2228.4	2232.0	2212.2
175°	2325.6	2307.6	2296.8	2293.2	2289.6	2273.4	2268.0	2264.4	2269.8	2277.0	2257.2
177.5°	2341.8	2325.6	2320.2	2316.6	2314.8	2302.2	2300.4	2296.8	2304.0	2314.8	2298.6
180°	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4



TEST NUMBER: P303249

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
2.5°	901.8	901.8	901.8	900.0	898.2	896.4	892.8	892.8
5°	898.2	898.2	896.4	896.4	894.6	894.6	892.8	894.6
7.5°	891.0	891.0	889.2	889.2	889.2	889.2	887.4	889.2
10°	882.0	882.0	878.4	878.4	878.4	878.4	878.4	878.4
12.5°	869.4	867.6	867.6	865.8	865.8	867.6	867.6	867.6
15°	855.0	855.0	853.2	851.4	853.2	853.2	853.2	853.2
17.5°	837.0	835.2	835.2	833.4	835.2	835.2	833.4	835.2
20°	815.4	813.6	813.6	811.8	813.6	811.8	811.8	811.8
22.5°	792.0	790.2	790.2	788.4	790.2	790.2	790.2	790.2
25°	768.6	766.8	765.0	765.0	765.0	765.0	765.0	765.0
27.5°	745.2	743.4	741.6	741.6	741.6	739.8	739.8	738.0
30°	718.2	718.2	714.6	714.6	714.6	712.8	712.8	711.0
32.5°	693.0	691.2	689.4	687.6	687.6	685.8	684.0	684.0
35°	664.2	662.4	660.6	658.8	658.8	657.0	655.2	657.0
37.5°	637.2	635.4	631.8	631.8	631.8	628.2	628.2	626.4
40°	606.6	603.0	603.0	603.0	601.2	599.4	599.4	597.6
42.5°	576.0	574.2	572.4	572.4	572.4	568.8	568.8	568.8
45°	547.2	545.4	545.4	541.8	541.8	538.2	538.2	540.0
47.5°	514.8	514.8	514.8	513.0	511.2	509.4	509.4	509.4
50°	484.2	484.2	480.6	480.6	480.6	478.8	477.0	477.0
52.5°	450.0	448.2	448.2	446.4	444.6	444.6	444.6	444.6
55°	417.6	417.6	417.6	415.8	414.0	414.0	412.2	414.0
57.5°	387.0	387.0	387.0	385.2	383.4	383.4	381.6	383.4
60°	356.4	354.6	354.6	352.8	351.0	352.8	351.0	351.0
62.5°	324.0	322.2	324.0	322.2	320.4	318.6	318.6	320.4
65°	293.4	291.6	291.6	289.8	288.0	288.0	288.0	288.0
67.5°	261.0	259.2	259.2	257.4	257.4	257.4	257.4	257.4
70°	228.6	226.8	226.8	225.0	225.0	225.0	225.0	225.0
72.5°	198.0	196.2	196.2	194.4	194.4	194.4	194.4	194.4
75°	165.6	163.8	163.8	163.8	163.8	162.0	162.0	162.0
77.5°	135.0	133.2	133.2	133.2	131.4	131.4	131.4	131.4
80°	104.4	102.6	102.6	102.6	100.8	100.8	100.8	99.0
82.5°	72.0	70.2	70.2	72.0	68.4	70.2	68.4	68.4
85°	41.4	39.6	39.6	39.6	39.6	39.6	39.6	37.8
87.5°	16.2	14.4	14.4	16.2	14.4	16.2	16.2	16.2
90°	14.4	14.4	16.2	16.2	18.0	18.0	19.8	19.8
92.5°	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
95°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	86.4
97.5°	147.6	145.8	145.8	145.8	145.8	144.0	142.2	142.2
100°	176.4	181.8	183.6	185.4	187.2	189.0	190.8	189.0
102.5°	201.6	205.2	207.0	208.8	210.6	212.4	214.2	214.2
105°	225.0	226.8	228.6	232.2	237.6	243.0	244.8	244.8
107.5°	270.0	270.0	271.8	273.6	271.8	273.6	273.6	273.6
110°	342.0	331.2	329.4	325.8	320.4	322.2	322.2	322.2



TEST NUMBER: P303249

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	388.8	396.0	399.6	399.6	399.6	401.4	396.0	394.2
115°	424.8	432.0	435.6	437.4	442.8	448.2	450.0	450.0
117.5°	460.8	469.8	473.4	475.2	480.6	486.0	487.8	487.8
120°	500.4	504.0	507.6	507.6	513.0	516.6	518.4	518.4
122.5°	540.0	540.0	543.6	543.6	547.2	547.2	550.8	549.0
125°	592.2	585.0	586.8	581.4	583.2	583.2	583.2	581.4
127.5°	662.4	646.2	644.4	637.2	631.8	630.0	626.4	624.6
130°	750.6	725.4	718.2	709.2	700.2	694.8	684.0	685.8
132.5°	853.2	820.8	811.8	801.0	788.4	775.8	768.6	768.6
135°	959.4	927.0	916.2	903.6	889.2	874.8	867.6	867.6
137.5°	1062.0	1033.2	1022.4	1011.6	995.4	984.6	970.2	973.8
140°	1170.0	1137.6	1126.8	1116.0	1105.2	1085.4	1080.0	1085.4
142.5°	1274.4	1240.2	1231.2	1220.4	1209.6	1195.2	1184.4	1189.8
145°	1377.0	1342.8	1333.8	1323.0	1314.0	1294.2	1292.4	1292.4
147.5°	1477.8	1447.2	1438.2	1427.4	1418.4	1404.0	1396.8	1398.6
150°	1573.2	1546.2	1537.2	1526.4	1517.4	1499.4	1494.0	1499.4
152.5°	1665.0	1639.8	1630.8	1620.0	1612.8	1596.6	1593.0	1598.4
155°	1749.6	1724.4	1717.2	1706.4	1701.0	1688.4	1688.4	1690.2
157.5°	1828.8	1809.0	1800.0	1792.8	1787.4	1773.0	1773.0	1778.4
160°	1906.2	1888.2	1882.8	1872.0	1866.6	1855.8	1854.0	1852.2
162.5°	1980.0	1963.8	1956.6	1949.4	1944.0	1935.0	1931.4	1931.4
165°	2039.4	2028.6	2021.4	2017.8	2014.2	2007.0	2003.4	2003.4
167.5°	2104.2	2089.8	2084.4	2077.2	2075.4	2070.0	2068.2	2073.6
170°	2156.4	2149.2	2142.0	2136.6	2133.0	2129.4	2127.6	2133.0
172.5°	2208.6	2201.4	2197.8	2192.4	2190.6	2188.8	2188.8	2194.2
175°	2257.2	2251.8	2246.4	2241.0	2241.0	2237.4	2239.2	2242.8
177.5°	2300.4	2296.8	2295.0	2289.6	2286.0	2282.4	2280.6	2280.6
180°	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4

(END OF REPORT)