

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: P303243

Luminaire Tested: **CTW-F-7525-50L940-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303243  
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-6  
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**

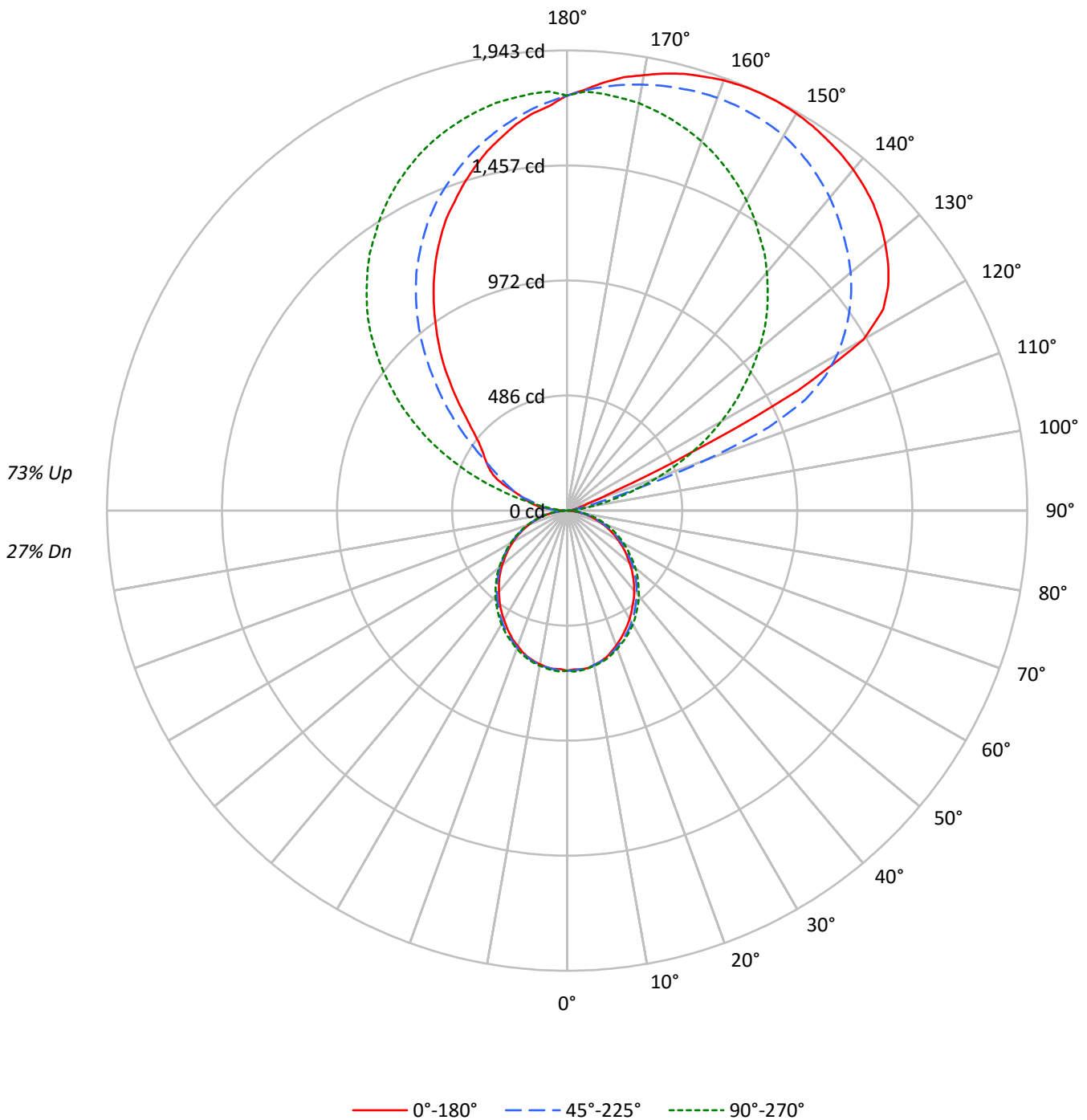
Lumens per Lamp: N/A  
Luminaire Lumens: 6749.0 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 55.2  
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	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°	9706	9706	9706
5°	9704	9763	9665
10°	9640	9699	9601
15°	9527	9628	9508
20°	9257	9485	9298
25°	8999	9341	9085
30°	8747	9194	8836
35°	8468	8988	8632
40°	8245	8826	8397
45°	8001	8604	8220
50°	7656	8380	7987
55°	7431	8072	7769
60°	7130	7905	7555
65°	6829	7702	7335
70°	6399	7478	7079
75°	5911	7259	6737
80°	4909	6695	6133
85°	2668	5994	4660



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.8	0.9
10°-20°	180.6	2.7
20°-30°	266.5	3.9
30°-40°	312.7	4.6
40°-50°	317.2	4.7
50°-60°	281.1	4.2
60°-70°	215.1	3.2
70°-80°	127.6	1.9
80°-90°	35.4	0.5
90°-100°	49.4	0.7
100°-110°	209.8	3.1
110°-120°	597.1	8.8
120°-130°	872.7	12.9
130°-140°	941.6	14.0
140°-150°	896.3	13.3
150°-160°	735.4	10.9
160°-170°	480.2	7.1
170°-180°	166.4	2.5
0°-30°	510.9	7.6
0°-40°	823.6	12.2
0°-60°	1421.9	21.1
0°-90°	1800.0	26.7
90°-120°	856.3	12.7
90°-150°	3567.0	52.9
90°-180°	4949.0	73.3
0°-180°	6749.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	676	676	676	676	676	
5°	674	672	678	672	671	64
15°	641	643	648	643	640	180
25°	568	582	590	582	574	262
35°	483	501	513	504	493	303
45°	394	410	424	416	405	303
55°	297	310	323	321	310	265
65°	201	212	227	223	216	199
75°	107	113	131	126	122	112
85°	16	24	36	32	28	23
90°	3	3	1	9	15	2
95°	12	15	36	68	65	13
105°	58	147	236	163	184	68
115°	564	1111	580	301	338	656
125°	1655	1454	907	497	436	1466
135°	1829	1648	1195	803	651	1411
145°	1913	1785	1416	1114	969	1200
155°	1943	1848	1593	1370	1268	898
165°	1909	1845	1709	1562	1502	541
175°	1816	1797	1766	1702	1682	175
180°	1752	1752	1752	1752	1752	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	670.9	670.9	672.3	675.0	675.0	675.0	676.3	677.7	676.3	679.0	675.0
5°	673.6	672.3	672.3	672.3	672.3	673.6	673.6	675.0	673.6	676.3	672.3
7.5°	670.9	669.6	669.6	668.2	666.9	666.9	668.2	669.6	668.2	670.9	668.2
10°	661.5	660.1	661.5	660.1	660.1	661.5	661.5	661.5	662.8	664.2	661.5
12.5°	652.0	652.0	650.7	650.7	650.7	650.7	652.0	653.4	653.4	654.7	653.4
15°	641.2	638.5	639.9	641.2	639.9	641.2	641.2	642.6	642.6	643.9	642.6
17.5°	623.7	623.7	625.0	626.4	626.4	626.4	627.7	627.7	629.1	630.4	629.1
20°	606.1	606.1	606.1	608.8	608.8	608.8	610.2	611.5	612.9	614.2	614.2
22.5°	587.2	587.2	587.2	589.9	589.9	589.9	592.6	594.0	595.3	596.7	598.0
25°	568.3	568.3	569.7	571.0	571.0	571.0	573.7	575.1	576.4	577.8	581.8
27.5°	548.1	548.1	549.4	550.8	552.1	553.5	554.8	556.2	558.9	560.2	564.3
30°	527.8	526.5	527.8	530.5	531.9	531.9	534.6	535.9	538.6	540.0	544.0
32.5°	506.2	504.9	506.2	508.9	510.3	510.3	513.0	514.3	517.0	518.4	523.8
35°	483.3	483.3	486.0	486.0	487.3	488.7	490.0	492.7	495.4	496.8	500.8
37.5°	463.0	461.7	464.4	464.4	465.7	467.1	468.4	471.1	473.8	476.5	479.2
40°	440.1	437.4	440.1	441.4	442.8	444.1	445.5	446.8	450.9	453.6	456.3
42.5°	417.1	414.4	417.1	418.5	421.2	421.2	421.2	423.9	427.9	430.6	433.3
45°	394.2	391.5	394.2	394.2	396.9	398.2	398.2	399.6	403.6	406.3	410.4
47.5°	369.9	369.9	371.2	372.6	373.9	373.9	375.3	376.6	379.3	384.7	386.1
50°	342.9	342.9	344.2	346.9	348.3	351.0	351.0	352.3	355.0	359.1	361.8
52.5°	319.9	318.6	319.9	321.3	322.6	324.0	324.0	325.3	328.0	332.1	334.8
55°	297.0	297.0	297.0	298.3	299.7	299.7	301.0	302.4	303.7	306.4	310.5
57.5°	272.7	272.7	274.0	274.0	275.4	275.4	276.7	278.1	279.4	282.1	286.2
60°	248.4	249.7	248.4	249.7	251.1	251.1	252.4	253.8	255.1	257.8	261.9
62.5°	225.4	225.4	225.4	225.4	226.8	226.8	228.1	229.5	232.2	233.5	236.2
65°	201.1	201.1	201.1	201.1	203.8	203.8	203.8	206.5	207.9	207.9	211.9
67.5°	176.8	178.2	176.8	178.2	179.5	179.5	179.5	182.2	183.6	184.9	186.3
70°	152.5	153.9	153.9	153.9	155.2	155.2	155.2	157.9	159.3	160.6	162.0
72.5°	129.6	129.6	130.9	130.9	130.9	130.9	132.3	133.6	135.0	136.3	137.7
75°	106.6	106.6	106.6	106.6	108.0	108.0	108.0	110.7	112.0	113.4	113.4
77.5°	82.3	83.7	82.3	82.3	83.7	83.7	85.0	86.4	87.7	90.4	91.8
80°	59.4	59.4	60.7	60.7	62.1	60.7	62.1	63.4	64.8	67.5	67.5
82.5°	37.8	37.8	37.8	39.1	39.1	40.5	40.5	40.5	41.8	44.5	45.9
85°	16.2	16.2	16.2	16.2	18.9	18.9	18.9	20.2	21.6	22.9	24.3
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.0	4.0
90°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
92.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.5	13.5	14.8
97.5°	18.9	18.9	18.9	18.9	18.9	20.2	20.2	21.6	22.9	24.3	27.0
100°	28.3	28.3	29.7	29.7	29.7	31.0	31.0	33.7	36.4	40.5	47.2
102.5°	41.8	40.5	41.8	41.8	43.2	44.5	45.9	49.9	55.3	64.8	79.6
105°	58.0	56.7	58.0	59.4	62.1	64.8	67.5	75.6	87.7	109.3	147.1
107.5°	82.3	81.0	83.7	87.7	93.1	99.9	106.6	121.5	159.3	220.0	310.5
110°	121.5	126.9	132.3	144.4	162.0	180.9	193.0	257.8	337.5	468.4	618.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	233.5	251.1	267.3	307.8	364.5	417.1	448.2	592.6	714.1	842.4	922.0
115°	564.3	606.1	619.6	722.2	808.6	880.2	911.2	1030.0	1082.7	1108.3	1111.0
117.5°	1100.2	1139.4	1139.4	1200.1	1248.7	1271.7	1274.4	1286.5	1277.1	1260.9	1228.5
120°	1444.5	1447.2	1452.6	1451.2	1452.6	1449.9	1440.4	1422.9	1390.5	1356.7	1317.6
122.5°	1582.2	1579.5	1575.4	1563.3	1549.8	1541.7	1526.8	1501.2	1468.8	1429.6	1389.1
125°	1655.1	1651.0	1645.6	1633.5	1615.9	1609.2	1591.6	1563.3	1530.9	1493.1	1453.9
127.5°	1709.1	1705.0	1698.3	1687.5	1669.9	1661.8	1645.6	1615.9	1584.9	1551.1	1512.0
130°	1753.6	1749.6	1742.8	1736.1	1719.9	1709.1	1694.2	1664.5	1636.2	1601.1	1563.3
132.5°	1794.1	1788.7	1782.0	1776.6	1760.4	1752.3	1736.1	1709.1	1680.7	1647.0	1607.8
135°	1829.2	1822.5	1814.4	1809.0	1794.1	1784.7	1769.8	1745.5	1718.5	1686.1	1648.3
137.5°	1856.2	1849.5	1842.7	1834.6	1822.5	1809.0	1800.9	1779.3	1752.3	1722.6	1688.8
140°	1879.2	1873.8	1867.0	1861.6	1848.1	1834.6	1826.5	1807.6	1782.0	1756.3	1725.3
142.5°	1898.1	1894.0	1887.3	1880.5	1868.4	1856.2	1849.5	1831.9	1811.7	1784.7	1756.3
145°	1912.9	1908.9	1903.5	1898.1	1885.9	1876.5	1868.4	1856.2	1836.0	1809.0	1784.7
147.5°	1926.4	1922.4	1918.3	1912.9	1900.8	1894.0	1887.3	1873.8	1853.5	1829.2	1809.0
150°	1935.9	1931.8	1927.8	1923.7	1911.6	1904.8	1900.8	1887.3	1869.7	1845.4	1829.2
152.5°	1941.3	1937.2	1933.2	1930.5	1918.3	1911.6	1907.5	1895.4	1877.8	1856.2	1840.0
155°	1942.6	1939.9	1935.9	1931.8	1919.7	1911.6	1910.2	1898.1	1883.2	1863.0	1848.1
157.5°	1939.9	1935.9	1931.8	1927.8	1915.6	1910.2	1907.5	1898.1	1884.6	1868.4	1853.5
160°	1933.2	1929.1	1927.8	1922.4	1912.9	1908.9	1906.2	1898.1	1885.9	1871.1	1854.9
162.5°	1921.0	1919.7	1918.3	1914.3	1907.5	1903.5	1902.1	1894.0	1881.9	1869.7	1852.2
165°	1908.9	1906.2	1903.5	1899.4	1894.0	1891.3	1888.6	1883.2	1871.1	1863.0	1845.4
167.5°	1890.0	1885.9	1883.2	1879.2	1872.4	1873.8	1871.1	1868.4	1858.9	1854.9	1837.3
170°	1867.0	1865.7	1861.6	1858.9	1854.9	1856.2	1854.9	1852.2	1844.1	1841.4	1826.5
172.5°	1845.4	1841.4	1840.0	1837.3	1833.3	1831.9	1833.3	1830.6	1826.5	1827.9	1813.0
175°	1815.7	1811.7	1811.7	1809.0	1806.3	1807.6	1809.0	1810.3	1804.9	1810.3	1796.8
177.5°	1779.3	1776.6	1779.3	1782.0	1780.6	1783.3	1784.7	1786.0	1783.3	1788.7	1776.6
180°	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	672.3	672.3	672.3	672.3	672.3	672.3	672.3	675.0	679.0	680.4	679.0
5°	669.6	670.9	669.6	670.9	670.9	670.9	670.9	673.6	676.3	677.7	676.3
7.5°	665.5	666.9	665.5	665.5	666.9	665.5	666.9	668.2	670.9	672.3	670.9
10°	658.8	658.8	658.8	660.1	660.1	660.1	660.1	662.8	665.5	665.5	664.2
12.5°	649.3	650.7	650.7	652.0	652.0	650.7	652.0	654.7	656.1	657.4	656.1
15°	639.9	639.9	639.9	641.2	641.2	641.2	641.2	643.9	646.6	648.0	646.6
17.5°	625.0	626.4	626.4	627.7	627.7	629.1	627.7	631.8	633.1	634.5	633.1
20°	611.5	611.5	612.9	612.9	614.2	614.2	614.2	616.9	619.6	621.0	619.6
22.5°	595.3	596.7	596.7	598.0	599.4	598.0	599.4	602.1	603.4	604.8	604.8
25°	577.8	579.1	579.1	581.8	581.8	581.8	581.8	584.5	587.2	589.9	588.6
27.5°	560.2	560.2	561.6	564.3	564.3	565.6	565.6	568.3	571.0	572.4	571.0
30°	541.3	541.3	542.7	544.0	545.4	545.4	546.7	549.4	552.1	554.8	552.1
32.5°	522.4	521.1	523.8	525.1	526.5	526.5	526.5	530.5	531.9	534.6	533.2
35°	500.8	499.5	502.2	503.5	504.9	504.9	507.6	508.9	511.6	513.0	511.6
37.5°	480.6	479.2	481.9	483.3	483.3	484.6	486.0	488.7	491.4	492.7	492.7
40°	459.0	457.6	459.0	461.7	461.7	463.0	464.4	465.7	467.1	471.1	469.8
42.5°	437.4	436.0	437.4	438.7	440.1	440.1	442.8	442.8	446.8	446.8	446.8
45°	411.7	413.1	414.4	417.1	417.1	415.8	418.5	419.8	423.9	423.9	422.5
47.5°	388.8	390.1	390.1	394.2	394.2	392.8	395.5	396.9	399.6	400.9	399.6
50°	364.5	365.8	367.2	369.9	369.9	369.9	371.2	373.9	375.3	375.3	375.3
52.5°	336.1	337.5	340.2	344.2	344.2	344.2	346.9	346.9	349.6	349.6	351.0
55°	311.8	313.2	315.9	318.6	318.6	319.9	321.3	322.6	324.0	322.6	324.0
57.5°	287.5	290.2	292.9	294.3	294.3	295.6	297.0	298.3	299.7	299.7	299.7
60°	263.2	264.6	265.9	270.0	270.0	271.3	272.7	274.0	274.0	275.4	275.4
62.5°	238.9	241.6	243.0	244.3	247.0	245.7	248.4	248.4	249.7	251.1	251.1
65°	213.3	214.6	217.3	220.0	220.0	221.4	224.1	224.1	225.4	226.8	226.8
67.5°	189.0	193.0	193.0	195.7	197.1	197.1	198.4	201.1	201.1	202.5	202.5
70°	163.3	167.4	168.7	170.1	171.4	172.8	174.1	175.5	176.8	178.2	178.2
72.5°	140.4	143.1	144.4	145.8	147.1	147.1	149.8	149.8	152.5	153.9	153.9
75°	114.7	117.4	118.8	121.5	122.8	124.2	125.5	125.5	128.2	130.9	129.6
77.5°	93.1	94.5	95.8	97.2	98.5	99.9	101.2	102.6	103.9	105.3	105.3
80°	70.2	71.5	71.5	74.2	75.6	76.9	78.3	79.6	79.6	81.0	82.3
82.5°	47.2	48.6	49.9	51.3	52.6	54.0	55.3	56.7	56.7	58.0	58.0
85°	25.6	27.0	28.3	29.7	31.0	32.4	33.7	35.1	35.1	36.4	36.4
87.5°	5.4	6.7	8.1	9.4	10.8	12.1	13.5	14.8	14.8	16.2	16.2
90°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.3	1.3
92.5°	6.7	8.1	8.1	10.8	12.1	13.5	16.2	18.9	16.2	13.5	14.8
95°	16.2	20.2	24.3	32.4	37.8	43.2	51.3	51.3	41.8	36.4	33.7
97.5°	32.4	40.5	54.0	72.9	85.0	93.1	102.6	97.2	81.0	67.5	60.7
100°	58.0	78.3	103.9	145.8	163.3	172.8	175.5	160.6	133.6	112.0	97.2
102.5°	103.9	151.2	209.2	261.9	278.1	280.8	263.2	236.2	199.8	167.4	144.4
105°	206.5	298.3	371.2	415.8	421.2	411.7	371.2	328.0	279.4	236.2	201.1
107.5°	436.0	530.5	568.3	571.0	558.9	535.9	484.6	434.7	367.2	314.5	268.6
110°	722.2	754.6	738.4	706.0	681.7	645.3	585.9	530.5	459.0	403.6	348.3





TEST NUMBER: P303243

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	934.2	918.0	874.8	816.7	783.0	750.6	688.5	627.7	550.8	492.7	433.3
115°	1078.6	1035.4	980.1	915.3	877.5	847.8	785.7	712.8	639.9	580.5	518.4
117.5°	1182.6	1124.5	1067.8	1007.1	972.0	938.2	874.8	803.2	726.3	668.2	604.8
120°	1262.2	1206.9	1147.5	1089.4	1053.0	1024.6	961.2	885.6	812.7	749.2	692.5
122.5°	1335.1	1278.4	1223.1	1167.7	1135.3	1102.9	1034.1	961.2	891.0	832.9	773.5
125°	1401.3	1344.6	1291.9	1239.3	1204.2	1170.4	1102.9	1035.4	967.9	907.2	854.5
127.5°	1462.0	1409.4	1355.4	1305.4	1269.0	1235.2	1170.4	1104.3	1043.5	984.1	931.5
130°	1516.0	1468.8	1416.1	1366.2	1328.4	1296.0	1233.9	1171.8	1113.7	1057.0	1003.0
132.5°	1566.0	1521.4	1471.5	1417.5	1381.0	1352.7	1294.6	1235.2	1182.6	1129.9	1074.6
135°	1613.2	1566.0	1517.4	1464.7	1431.0	1405.3	1347.3	1291.9	1243.3	1194.7	1143.4
137.5°	1657.8	1603.8	1557.9	1506.6	1476.9	1452.6	1399.9	1348.6	1302.7	1252.8	1206.9
140°	1691.5	1640.2	1593.0	1544.4	1520.1	1498.5	1447.2	1399.9	1358.1	1312.2	1267.6
142.5°	1721.2	1669.9	1628.1	1580.8	1557.9	1539.0	1491.7	1448.5	1410.7	1368.9	1324.3
145°	1744.2	1696.9	1659.1	1615.9	1595.7	1576.8	1530.9	1493.1	1458.0	1416.1	1377.0
147.5°	1765.8	1722.6	1687.5	1647.0	1630.8	1611.9	1570.0	1536.3	1503.9	1467.4	1428.3
150°	1783.3	1745.5	1711.8	1675.3	1660.5	1642.9	1605.1	1574.1	1544.4	1513.3	1476.9
152.5°	1796.8	1764.4	1734.7	1701.0	1687.5	1671.3	1638.9	1611.9	1584.9	1555.2	1521.4
155°	1806.3	1780.6	1753.6	1725.3	1710.4	1698.3	1667.2	1644.3	1621.3	1593.0	1561.9
157.5°	1815.7	1792.8	1765.8	1741.5	1730.7	1717.2	1691.5	1672.6	1652.4	1628.1	1599.7
160°	1819.8	1800.9	1776.6	1756.3	1746.9	1736.1	1711.8	1696.9	1679.4	1659.1	1633.5
162.5°	1821.1	1804.9	1784.7	1768.5	1760.4	1750.9	1729.3	1717.2	1703.7	1686.1	1661.8
165°	1821.1	1807.6	1791.4	1777.9	1771.2	1763.1	1744.2	1734.7	1722.6	1709.1	1687.5
167.5°	1817.1	1806.3	1792.8	1782.0	1776.6	1768.5	1755.0	1749.6	1740.1	1729.3	1711.8
170°	1810.3	1802.2	1791.4	1784.7	1779.3	1772.5	1763.1	1759.0	1755.0	1746.9	1729.3
172.5°	1800.9	1794.1	1786.0	1782.0	1779.3	1773.9	1764.4	1765.8	1763.1	1756.3	1744.2
175°	1787.4	1783.3	1779.3	1776.6	1773.9	1769.8	1764.4	1767.1	1768.5	1765.8	1755.0
177.5°	1769.8	1768.5	1767.1	1767.1	1763.1	1763.1	1760.4	1765.8	1771.2	1771.2	1763.1
180°	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3



TEST NUMBER: P303243

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	676.3	673.6	672.3	672.3	672.3	670.9	670.9	672.3	675.0	679.0	675.0
5°	675.0	670.9	670.9	670.9	670.9	669.6	668.2	669.6	672.3	676.3	672.3
7.5°	669.6	666.9	665.5	665.5	665.5	664.2	664.2	664.2	666.9	670.9	666.9
10°	662.8	660.1	660.1	660.1	658.8	657.4	657.4	657.4	661.5	664.2	660.1
12.5°	654.7	652.0	652.0	650.7	650.7	649.3	648.0	649.3	653.4	654.7	652.0
15°	643.9	641.2	641.2	641.2	639.9	639.9	638.5	638.5	642.6	643.9	641.2
17.5°	631.8	629.1	627.7	629.1	627.7	626.4	626.4	626.4	629.1	630.4	626.4
20°	616.9	614.2	614.2	612.9	612.9	611.5	611.5	611.5	615.6	614.2	611.5
22.5°	602.1	599.4	599.4	598.0	598.0	596.7	595.3	595.3	600.7	596.7	595.3
25°	585.9	583.2	583.2	581.8	580.5	579.1	579.1	579.1	581.8	579.1	577.8
27.5°	569.7	567.0	567.0	565.6	564.3	561.6	561.6	561.6	565.6	561.6	561.6
30°	549.4	548.1	548.1	546.7	544.0	542.7	542.7	544.0	546.7	542.7	541.3
32.5°	530.5	527.8	527.8	527.8	525.1	523.8	523.8	525.1	526.5	522.4	521.1
35°	508.9	507.6	507.6	506.2	503.5	503.5	502.2	503.5	503.5	500.8	499.5
37.5°	488.7	487.3	486.0	486.0	483.3	483.3	483.3	484.6	483.3	480.6	479.2
40°	467.1	465.7	464.4	463.0	461.7	461.7	461.7	464.4	461.7	459.0	457.6
42.5°	445.5	444.1	442.8	441.4	440.1	440.1	440.1	441.4	438.7	437.4	436.0
45°	421.2	421.2	419.8	418.5	418.5	418.5	417.1	418.5	415.8	414.4	411.7
47.5°	398.2	398.2	396.9	396.9	395.5	395.5	395.5	395.5	392.8	392.8	390.1
50°	375.3	373.9	372.6	373.9	373.9	372.6	372.6	371.2	369.9	369.9	365.8
52.5°	349.6	351.0	346.9	348.3	349.6	346.9	346.9	345.6	345.6	342.9	340.2
55°	324.0	324.0	324.0	324.0	325.3	322.6	321.3	319.9	321.3	318.6	315.9
57.5°	299.7	299.7	299.7	299.7	301.0	298.3	297.0	298.3	297.0	294.3	292.9
60°	276.7	275.4	275.4	275.4	276.7	274.0	274.0	272.7	272.7	268.6	268.6
62.5°	252.4	251.1	252.4	251.1	252.4	251.1	248.4	249.7	248.4	245.7	244.3
65°	228.1	226.8	228.1	226.8	226.8	225.4	224.1	224.1	222.7	221.4	220.0
67.5°	203.8	202.5	202.5	202.5	203.8	201.1	202.5	199.8	198.4	198.4	195.7
70°	178.2	178.2	178.2	176.8	178.2	175.5	175.5	175.5	174.1	172.8	171.4
72.5°	155.2	153.9	153.9	152.5	153.9	152.5	151.2	151.2	149.8	149.8	148.5
75°	129.6	129.6	129.6	129.6	129.6	128.2	126.9	126.9	125.5	125.5	124.2
77.5°	105.3	105.3	105.3	105.3	105.3	105.3	102.6	102.6	102.6	102.6	99.9
80°	82.3	82.3	82.3	81.0	82.3	81.0	79.6	79.6	79.6	78.3	76.9
82.5°	59.4	59.4	59.4	58.0	59.4	58.0	58.0	56.7	55.3	55.3	52.6
85°	36.4	37.8	37.8	36.4	36.4	36.4	36.4	33.7	32.4	32.4	31.0
87.5°	16.2	16.2	16.2	14.8	14.8	14.8	13.5	13.5	12.1	12.1	12.1
90°	2.7	4.0	5.4	6.7	6.7	8.1	9.4	9.4	9.4	9.4	10.8
92.5°	21.6	28.3	29.7	32.4	31.0	32.4	32.4	31.0	32.4	29.7	31.0
95°	37.8	43.2	52.6	58.0	62.1	68.8	71.5	70.2	67.5	66.1	67.5
97.5°	59.4	64.8	68.8	70.2	72.9	82.3	91.8	98.5	103.9	106.6	109.3
100°	91.8	87.7	93.1	97.2	99.9	98.5	102.6	110.7	117.4	122.8	128.2
102.5°	132.3	121.5	117.4	120.1	124.2	132.3	132.3	130.9	133.6	137.7	145.8
105°	179.5	164.7	153.9	152.5	152.5	157.9	167.4	171.4	163.3	163.3	166.0
107.5°	237.6	213.3	197.1	191.7	190.3	187.6	194.4	205.2	211.9	210.6	202.5
110°	303.7	271.3	248.4	238.9	233.5	225.4	226.8	230.8	238.9	249.7	256.5



TEST NUMBER: P303243

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	382.0	341.5	306.4	294.3	280.8	270.0	261.9	263.2	267.3	275.4	284.8
115°	464.4	418.5	373.9	357.7	341.5	317.2	303.7	299.7	301.0	303.7	309.1
117.5°	548.1	498.1	448.2	427.9	409.0	380.7	355.0	341.5	336.1	334.8	340.2
120°	633.1	577.8	529.2	506.2	483.3	450.9	417.1	391.5	380.7	372.6	372.6
122.5°	716.8	662.8	608.8	585.9	560.2	522.4	486.0	453.6	432.0	415.8	409.0
125°	796.5	746.5	689.8	668.2	641.2	599.4	558.9	525.1	496.8	471.1	454.9
127.5°	874.8	826.2	769.5	747.9	723.6	679.0	641.2	600.7	571.0	538.6	514.3
130°	951.7	903.1	849.1	827.5	804.6	761.4	716.8	677.7	648.0	615.6	588.6
132.5°	1024.6	976.0	927.4	903.1	880.2	839.7	796.5	757.3	724.9	693.9	668.2
135°	1096.2	1044.9	999.0	976.0	953.1	915.3	874.8	838.3	803.2	770.8	745.2
137.5°	1161.0	1113.7	1069.2	1046.2	1024.6	988.2	953.1	919.3	884.2	850.5	822.1
140°	1223.1	1177.2	1135.3	1115.1	1093.5	1057.0	1026.0	996.3	963.9	924.7	900.4
142.5°	1282.5	1236.6	1200.1	1179.9	1156.9	1125.9	1094.8	1067.8	1040.8	1007.1	978.7
145°	1337.8	1291.9	1258.2	1240.6	1219.0	1189.3	1159.6	1135.3	1113.7	1080.0	1054.3
147.5°	1390.5	1348.6	1316.2	1297.3	1279.8	1251.4	1223.1	1200.1	1185.3	1151.5	1127.2
150°	1441.8	1398.6	1370.2	1352.7	1335.1	1309.5	1283.8	1262.2	1248.7	1220.4	1197.4
152.5°	1487.7	1448.5	1422.9	1406.7	1390.5	1364.8	1340.5	1320.3	1310.8	1281.1	1267.6
155°	1532.2	1494.4	1471.5	1458.0	1441.8	1413.4	1394.5	1374.3	1370.2	1344.6	1325.7
157.5°	1571.4	1537.6	1514.7	1501.2	1487.7	1463.4	1444.5	1428.3	1424.2	1401.3	1383.7
160°	1605.1	1575.4	1555.2	1544.4	1532.2	1507.9	1490.4	1476.9	1471.5	1455.3	1439.1
162.5°	1638.9	1610.5	1593.0	1582.2	1572.7	1549.8	1534.9	1521.4	1517.4	1506.6	1490.4
165°	1667.2	1641.6	1625.4	1617.3	1609.2	1588.9	1575.4	1563.3	1561.9	1553.8	1536.3
167.5°	1692.9	1669.9	1656.4	1649.7	1641.6	1624.0	1613.2	1602.4	1601.1	1599.7	1580.8
170°	1713.1	1694.2	1682.1	1676.7	1671.3	1655.1	1645.6	1637.5	1637.5	1638.9	1622.7
172.5°	1730.7	1714.5	1706.4	1699.6	1696.9	1682.1	1675.3	1668.6	1671.3	1674.0	1659.1
175°	1744.2	1730.7	1722.6	1719.9	1717.2	1705.0	1701.0	1698.3	1702.3	1707.7	1692.9
177.5°	1756.3	1744.2	1740.1	1737.4	1736.1	1726.6	1725.3	1722.6	1728.0	1736.1	1723.9
180°	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3



TEST NUMBER: P303243

CATALOG NUMBER: CTW-F-7525-50L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	676.3	676.3	676.3	675.0	673.6	672.3	669.6	669.6
5°	673.6	673.6	672.3	672.3	670.9	670.9	669.6	670.9
7.5°	668.2	668.2	666.9	666.9	666.9	666.9	665.5	666.9
10°	661.5	661.5	658.8	658.8	658.8	658.8	658.8	658.8
12.5°	652.0	650.7	650.7	649.3	649.3	650.7	650.7	650.7
15°	641.2	641.2	639.9	638.5	639.9	639.9	639.9	639.9
17.5°	627.7	626.4	626.4	625.0	626.4	626.4	625.0	626.4
20°	611.5	610.2	610.2	608.8	610.2	608.8	608.8	608.8
22.5°	594.0	592.6	592.6	591.3	592.6	592.6	592.6	592.6
25°	576.4	575.1	573.7	573.7	573.7	573.7	573.7	573.7
27.5°	558.9	557.5	556.2	556.2	556.2	554.8	554.8	553.5
30°	538.6	538.6	535.9	535.9	535.9	534.6	534.6	533.2
32.5°	519.7	518.4	517.0	515.7	515.7	514.3	513.0	513.0
35°	498.1	496.8	495.4	494.1	494.1	492.7	491.4	492.7
37.5°	477.9	476.5	473.8	473.8	473.8	471.1	471.1	469.8
40°	454.9	452.2	452.2	452.2	450.9	449.5	449.5	448.2
42.5°	432.0	430.6	429.3	429.3	429.3	426.6	426.6	426.6
45°	410.4	409.0	409.0	406.3	406.3	403.6	403.6	405.0
47.5°	386.1	386.1	386.1	384.7	383.4	382.0	382.0	382.0
50°	363.1	363.1	360.4	360.4	360.4	359.1	357.7	357.7
52.5°	337.5	336.1	336.1	334.8	333.4	333.4	333.4	333.4
55°	313.2	313.2	313.2	311.8	310.5	310.5	309.1	310.5
57.5°	290.2	290.2	290.2	288.9	287.5	287.5	286.2	287.5
60°	267.3	265.9	265.9	264.6	263.2	264.6	263.2	263.2
62.5°	243.0	241.6	243.0	241.6	240.3	238.9	238.9	240.3
65°	220.0	218.7	218.7	217.3	216.0	216.0	216.0	216.0
67.5°	195.7	194.4	194.4	193.0	193.0	193.0	193.0	193.0
70°	171.4	170.1	170.1	168.7	168.7	168.7	168.7	168.7
72.5°	148.5	147.1	147.1	145.8	145.8	145.8	145.8	145.8
75°	124.2	122.8	122.8	122.8	122.8	121.5	121.5	121.5
77.5°	101.2	99.9	99.9	99.9	98.5	98.5	98.5	98.5
80°	78.3	76.9	76.9	76.9	75.6	75.6	75.6	74.2
82.5°	54.0	52.6	52.6	54.0	51.3	52.6	51.3	51.3
85°	31.0	29.7	29.7	29.7	29.7	29.7	29.7	28.3
87.5°	12.1	10.8	10.8	12.1	10.8	12.1	12.1	12.1
90°	10.8	10.8	12.1	12.1	13.5	13.5	14.8	14.8
92.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
95°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	64.8
97.5°	110.7	109.3	109.3	109.3	109.3	108.0	106.6	106.6
100°	132.3	136.3	137.7	139.0	140.4	141.7	143.1	141.7
102.5°	151.2	153.9	155.2	156.6	157.9	159.3	160.6	160.6
105°	168.7	170.1	171.4	174.1	178.2	182.2	183.6	183.6
107.5°	202.5	202.5	203.8	205.2	203.8	205.2	205.2	205.2
110°	256.5	248.4	247.0	244.3	240.3	241.6	241.6	241.6



TEST NUMBER: P303243

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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	291.6	297.0	299.7	299.7	299.7	301.0	297.0	295.6
115°	318.6	324.0	326.7	328.0	332.1	336.1	337.5	337.5
117.5°	345.6	352.3	355.0	356.4	360.4	364.5	365.8	365.8
120°	375.3	378.0	380.7	380.7	384.7	387.4	388.8	388.8
122.5°	405.0	405.0	407.7	407.7	410.4	410.4	413.1	411.7
125°	444.1	438.7	440.1	436.0	437.4	437.4	437.4	436.0
127.5°	496.8	484.6	483.3	477.9	473.8	472.5	469.8	468.4
130°	562.9	544.0	538.6	531.9	525.1	521.1	513.0	514.3
132.5°	639.9	615.6	608.8	600.7	591.3	581.8	576.4	576.4
135°	719.5	695.2	687.1	677.7	666.9	656.1	650.7	650.7
137.5°	796.5	774.9	766.8	758.7	746.5	738.4	727.6	730.3
140°	877.5	853.2	845.1	837.0	828.9	814.0	810.0	814.0
142.5°	955.8	930.1	923.4	915.3	907.2	896.4	888.3	892.3
145°	1032.7	1007.1	1000.3	992.2	985.5	970.6	969.3	969.3
147.5°	1108.3	1085.4	1078.6	1070.5	1063.8	1053.0	1047.6	1048.9
150°	1179.9	1159.6	1152.9	1144.8	1138.0	1124.5	1120.5	1124.5
152.5°	1248.7	1229.8	1223.1	1215.0	1209.6	1197.4	1194.7	1198.8
155°	1312.2	1293.3	1287.9	1279.8	1275.7	1266.3	1266.3	1267.6
157.5°	1371.6	1356.7	1350.0	1344.6	1340.5	1329.7	1329.7	1333.8
160°	1429.6	1416.1	1412.1	1404.0	1399.9	1391.8	1390.5	1389.1
162.5°	1485.0	1472.8	1467.4	1462.0	1458.0	1451.2	1448.5	1448.5
165°	1529.5	1521.4	1516.0	1513.3	1510.6	1505.2	1502.5	1502.5
167.5°	1578.1	1567.3	1563.3	1557.9	1556.5	1552.5	1551.1	1555.2
170°	1617.3	1611.9	1606.5	1602.4	1599.7	1597.0	1595.7	1599.7
172.5°	1656.4	1651.0	1648.3	1644.3	1642.9	1641.6	1641.6	1645.6
175°	1692.9	1688.8	1684.8	1680.7	1680.7	1678.0	1679.4	1682.1
177.5°	1725.3	1722.6	1721.2	1717.2	1714.5	1711.8	1710.4	1710.4
180°	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3	1752.3

(END OF REPORT)