

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: P303231

Luminaire Tested: **CTW-F-7525-40L935-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-7525-40L935-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6893.7 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31  
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

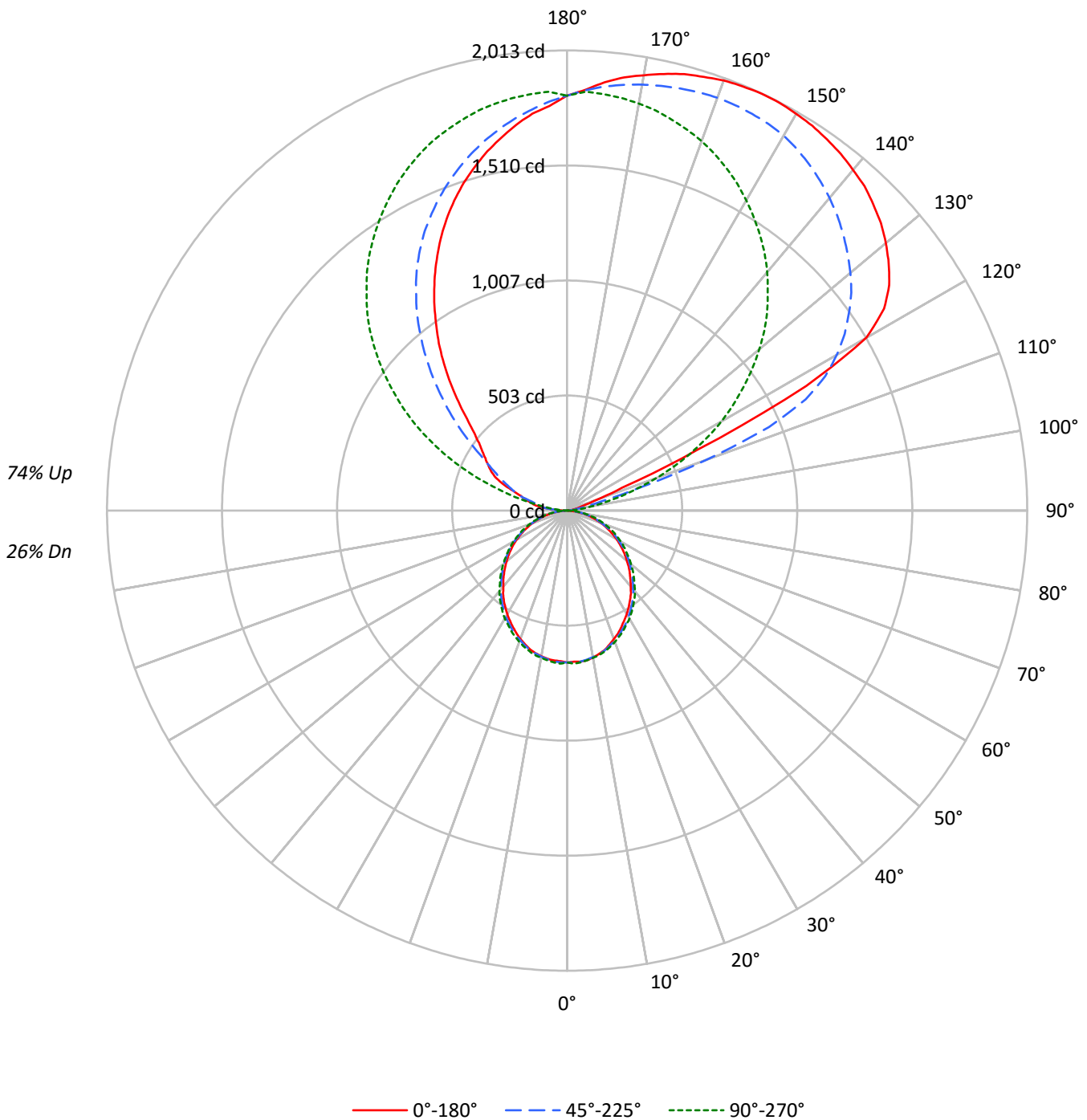
Input Watts (W): 57.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	21
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	55	68	60	54	50	47	43	39	35	32	30	23	21	20	15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	18	17	15	11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10
7	54	42	35	29	48	38	32	27	30	25	22	22	19	17	15	13	12	9
8	50	38	31	26	45	35	28	24	27	22	19	20	17	15	14	12	10	8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	7155	7155	7155
5°	7164	7200	7108
10°	7133	7153	7077
15°	7043	7100	7004
20°	6844	7002	6844
25°	6668	6892	6668
30°	6486	6785	6507
35°	6290	6629	6336
40°	6073	6485	6097
45°	5899	6291	5950
50°	5710	6114	5796
55°	5559	5945	5656
60°	5375	5821	5487
65°	5132	5703	5308
70°	4878	5526	5095
75°	4512	5298	4799
80°	3949	4909	4271
85°	2556	4471	2976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.8	0.9
10°-20°	177.5	2.6
20°-30°	262.1	3.8
30°-40°	307.5	4.5
40°-50°	309.6	4.5
50°-60°	276.1	4.0
60°-70°	211.6	3.1
70°-80°	125.9	1.8
80°-90°	34.8	0.5
90°-100°	50.8	0.7
100°-110°	216.7	3.1
110°-120°	618.4	9.0
120°-130°	904.2	13.1
130°-140°	975.6	14.2
140°-150°	928.4	13.5
150°-160°	761.9	11.1
160°-170°	497.5	7.2
170°-180°	172.4	2.5
0°-30°	502.4	7.3
0°-40°	809.9	11.7
0°-60°	1395.6	20.2
0°-90°	1767.8	25.6
90°-120°	885.9	12.9
90°-150°	3694.1	53.6
90°-180°	5126.0	74.4
0°-180°	6893.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	665	665	665	665	665	
5°	663	663	666	661	658	63
15°	632	634	637	630	628	177
25°	561	573	580	572	561	259
35°	479	496	504	496	482	300
45°	388	403	413	405	391	299
55°	296	308	317	313	301	264
65°	202	212	224	215	208	200
75°	108	115	127	120	115	115
85°	21	26	36	29	24	26
90°	2	2	2	9	16	2
95°	12	16	36	72	67	14
105°	57	155	244	170	189	70
115°	627	1152	599	312	348	707
125°	1720	1505	942	517	453	1524
135°	1894	1708	1238	833	672	1463
145°	1982	1848	1471	1152	1000	1243
155°	2013	1915	1651	1417	1310	930
165°	1977	1911	1770	1617	1558	560
175°	1880	1862	1829	1762	1743	181
180°	1815	1815	1815	1815	1815	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	661.2	659.5	663.0	664.7	664.7	666.4	666.4	666.4	666.4	668.1	664.7
5°	663.0	663.0	663.0	663.0	661.2	663.0	663.0	664.7	664.7	666.4	663.0
7.5°	661.2	659.5	659.5	659.5	657.8	657.8	659.5	659.5	657.8	661.2	657.8
10°	652.6	652.6	650.9	650.9	650.9	650.9	650.9	652.6	652.6	654.4	650.9
12.5°	642.3	642.3	642.3	642.3	640.6	640.6	642.3	644.0	644.0	645.8	644.0
15°	632.0	630.3	632.0	633.7	632.0	632.0	632.0	633.7	633.7	635.4	633.7
17.5°	614.8	614.8	616.5	618.2	618.2	616.5	618.2	619.9	619.9	621.6	619.9
20°	597.5	597.5	599.3	601.0	601.0	601.0	602.7	602.7	604.4	604.4	606.1
22.5°	582.0	580.3	582.0	583.8	583.8	582.0	585.5	585.5	587.2	588.9	590.6
25°	561.4	559.7	563.1	564.8	564.8	564.8	566.5	568.3	570.0	571.7	573.4
27.5°	540.7	540.7	542.4	544.2	545.9	545.9	547.6	551.0	551.0	552.8	556.2
30°	521.8	521.8	523.5	525.2	526.9	526.9	526.9	530.4	533.8	533.8	537.3
32.5°	501.1	499.4	501.1	504.5	504.5	504.5	506.3	509.7	511.4	513.2	516.6
35°	478.7	478.7	480.4	482.2	483.9	483.9	485.6	489.0	490.8	492.5	495.9
37.5°	458.1	456.3	458.1	459.8	461.5	461.5	463.2	466.7	468.4	470.1	473.6
40°	432.2	430.5	432.2	433.9	435.7	435.7	437.4	442.6	444.3	446.0	449.4
42.5°	409.8	408.1	409.8	411.6	413.3	415.0	415.0	416.7	420.2	421.9	425.3
45°	387.5	385.7	385.7	389.2	390.9	390.9	392.6	394.3	397.8	399.5	402.9
47.5°	365.1	363.3	365.1	366.8	366.8	368.5	370.2	370.2	373.7	377.1	378.8
50°	341.0	341.0	341.0	342.7	344.4	346.1	346.1	347.8	349.6	353.0	356.5
52.5°	318.6	316.8	318.6	320.3	322.0	322.0	323.7	323.7	325.5	330.6	332.3
55°	296.2	294.5	294.5	296.2	296.2	297.9	299.6	299.6	301.4	304.8	308.2
57.5°	272.1	272.1	272.1	273.8	273.8	273.8	277.2	277.2	279.0	282.4	284.1
60°	249.7	249.7	248.0	249.7	249.7	251.4	253.1	253.1	254.9	256.6	260.0
62.5°	225.6	225.6	223.9	225.6	227.3	227.3	229.0	229.0	230.7	234.2	235.9
65°	201.5	203.2	201.5	201.5	203.2	203.2	204.9	204.9	206.6	208.4	211.8
67.5°	179.1	179.1	177.4	179.1	179.1	180.8	180.8	182.5	182.5	184.3	186.0
70°	155.0	155.0	155.0	155.0	156.7	156.7	158.4	158.4	158.4	160.1	161.9
72.5°	132.6	132.6	130.9	130.9	132.6	134.3	134.3	136.0	136.0	139.5	139.5
75°	108.5	108.5	108.5	108.5	110.2	110.2	110.2	111.9	113.7	113.7	115.4
77.5°	86.1	84.4	86.1	86.1	86.1	86.1	87.8	89.5	89.5	91.3	93.0
80°	63.7	62.0	63.7	63.7	63.7	63.7	65.4	65.4	67.2	68.9	68.9
82.5°	41.3	39.6	41.3	41.3	41.3	41.3	43.1	43.1	44.8	46.5	46.5
85°	20.7	18.9	20.7	20.7	20.7	20.7	20.7	22.4	24.1	24.1	25.8
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.2	5.2	6.9
90°	1.7	3.4	3.4	3.4	1.7	3.4	1.7	3.4	1.7	1.7	1.7
92.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.8	13.8	13.8	15.5
97.5°	20.7	18.9	18.9	20.7	20.7	20.7	20.7	22.4	24.1	25.8	29.3
100°	29.3	29.3	29.3	31.0	31.0	32.7	32.7	34.4	37.9	41.3	48.2
102.5°	43.1	43.1	43.1	44.8	44.8	46.5	48.2	51.7	56.8	65.4	80.9
105°	56.8	58.5	60.3	62.0	65.4	68.9	70.6	77.5	89.5	111.9	155.0
107.5°	84.4	84.4	87.8	91.3	98.2	105.0	110.2	130.9	160.1	222.1	325.5
110°	132.6	130.9	136.0	151.5	170.5	189.4	199.8	270.4	351.3	487.3	644.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	260.0	256.6	273.8	310.0	378.8	437.4	463.2	599.3	745.6	873.1	955.7
115°	626.8	618.2	654.4	726.7	847.2	917.8	940.2	1052.1	1126.2	1148.6	1152.0
117.5°	1179.6	1169.2	1193.3	1233.0	1296.7	1320.8	1315.6	1334.6	1325.9	1305.3	1272.6
120°	1511.9	1503.3	1503.3	1501.6	1505.0	1498.1	1489.5	1470.6	1437.9	1405.2	1362.1
122.5°	1644.5	1641.1	1632.5	1617.0	1606.6	1598.0	1580.8	1553.2	1520.5	1484.4	1439.6
125°	1720.3	1715.1	1706.5	1692.7	1673.8	1666.9	1648.0	1618.7	1586.0	1549.8	1505.0
127.5°	1773.7	1768.5	1759.9	1749.6	1728.9	1722.0	1704.8	1673.8	1642.8	1608.3	1567.0
130°	1820.2	1815.0	1806.4	1797.8	1780.5	1768.5	1753.0	1723.7	1694.4	1660.0	1617.0
132.5°	1861.5	1854.6	1846.0	1839.1	1823.6	1815.0	1797.8	1770.2	1740.9	1708.2	1663.5
135°	1894.2	1890.8	1880.4	1873.5	1858.0	1847.7	1833.9	1808.1	1780.5	1747.8	1708.2
137.5°	1925.2	1916.6	1911.4	1902.8	1887.3	1877.0	1864.9	1840.8	1815.0	1785.7	1749.6
140°	1945.9	1940.7	1933.8	1928.6	1913.1	1901.1	1890.8	1871.8	1846.0	1818.4	1785.7
142.5°	1966.5	1961.4	1956.2	1947.6	1933.8	1925.2	1914.9	1897.6	1877.0	1849.4	1818.4
145°	1982.0	1976.9	1971.7	1966.5	1952.7	1944.1	1935.5	1921.8	1901.1	1875.3	1847.7
147.5°	1995.8	1992.4	1987.2	1982.0	1970.0	1963.1	1956.2	1942.4	1921.8	1895.9	1873.5
150°	2004.4	2001.0	1995.8	1994.1	1980.3	1973.4	1968.2	1956.2	1937.3	1911.4	1894.2
152.5°	2011.3	2007.9	2002.7	2001.0	1987.2	1982.0	1976.9	1964.8	1945.9	1921.8	1906.3
155°	2013.0	2009.6	2004.4	2001.0	1987.2	1982.0	1978.6	1966.5	1951.0	1930.4	1914.9
157.5°	2007.9	2006.1	2002.7	1995.8	1983.7	1978.6	1976.9	1964.8	1952.7	1935.5	1920.0
160°	2002.7	1999.2	1997.5	1992.4	1982.0	1978.6	1976.9	1966.5	1954.5	1939.0	1921.8
162.5°	1988.9	1988.9	1987.2	1983.7	1975.1	1971.7	1970.0	1961.4	1949.3	1937.3	1918.3
165°	1976.9	1975.1	1971.7	1968.2	1961.4	1959.6	1956.2	1951.0	1939.0	1930.4	1911.4
167.5°	1956.2	1954.5	1951.0	1945.9	1940.7	1940.7	1939.0	1935.5	1925.2	1921.8	1902.8
170°	1933.8	1930.4	1930.4	1926.9	1921.8	1921.8	1921.8	1918.3	1909.7	1908.0	1892.5
172.5°	1911.4	1908.0	1906.3	1904.5	1897.6	1899.4	1899.4	1895.9	1890.8	1894.2	1878.7
175°	1880.4	1878.7	1875.3	1875.3	1871.8	1873.5	1877.0	1875.3	1870.1	1875.3	1861.5
177.5°	1842.5	1840.8	1842.5	1847.7	1844.3	1849.4	1849.4	1851.2	1849.4	1854.6	1840.8
180°	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	661.2	663.0	661.2	663.0	663.0	661.2	663.0	664.7	668.1	669.9	668.1
5°	659.5	659.5	659.5	659.5	659.5	659.5	659.5	661.2	664.7	666.4	664.7
7.5°	654.4	656.1	654.4	656.1	656.1	654.4	654.4	657.8	659.5	661.2	659.5
10°	649.2	649.2	647.5	649.2	649.2	649.2	649.2	650.9	652.6	654.4	652.6
12.5°	640.6	640.6	638.9	640.6	640.6	640.6	640.6	642.3	645.8	647.5	645.8
15°	630.3	630.3	630.3	630.3	632.0	630.3	630.3	633.7	635.4	637.1	635.4
17.5°	616.5	618.2	616.5	618.2	618.2	618.2	618.2	621.6	623.4	625.1	623.4
20°	601.0	602.7	602.7	602.7	604.4	604.4	604.4	606.1	609.6	611.3	609.6
22.5°	587.2	588.9	588.9	588.9	588.9	588.9	590.6	592.4	595.8	595.8	595.8
25°	570.0	570.0	571.7	573.4	573.4	573.4	575.1	576.9	578.6	580.3	578.6
27.5°	552.8	552.8	552.8	556.2	556.2	556.2	556.2	557.9	561.4	561.4	561.4
30°	535.5	533.8	535.5	537.3	539.0	539.0	539.0	540.7	544.2	545.9	544.2
32.5°	516.6	514.9	516.6	518.3	518.3	520.0	520.0	521.8	525.2	525.2	525.2
35°	495.9	494.2	495.9	497.7	497.7	499.4	501.1	501.1	504.5	504.5	504.5
37.5°	475.3	473.6	475.3	477.0	477.0	478.7	478.7	480.4	483.9	483.9	483.9
40°	452.9	451.2	451.2	454.6	454.6	454.6	458.1	458.1	461.5	461.5	461.5
42.5°	428.8	427.1	428.8	430.5	430.5	430.5	432.2	433.9	435.7	435.7	435.7
45°	404.7	404.7	406.4	408.1	408.1	408.1	409.8	411.6	413.3	413.3	413.3
47.5°	382.3	382.3	384.0	385.7	385.7	385.7	387.5	387.5	390.9	389.2	389.2
50°	358.2	359.9	361.6	363.3	363.3	363.3	365.1	365.1	366.8	365.1	366.8
52.5°	334.1	335.8	337.5	339.2	339.2	339.2	341.0	341.0	342.7	341.0	342.7
55°	310.0	310.0	313.4	315.1	315.1	315.1	316.8	316.8	318.6	316.8	318.6
57.5°	287.6	287.6	289.3	291.0	291.0	291.0	292.7	294.5	294.5	294.5	294.5
60°	261.7	263.5	265.2	266.9	268.6	268.6	268.6	270.4	270.4	270.4	270.4
62.5°	237.6	239.4	241.1	242.8	244.5	242.8	244.5	246.2	246.2	246.2	246.2
65°	213.5	215.3	217.0	218.7	220.4	218.7	220.4	222.1	222.1	223.9	222.1
67.5°	189.4	189.4	192.9	194.6	194.6	194.6	196.3	198.0	198.0	199.8	199.8
70°	165.3	165.3	168.8	170.5	170.5	170.5	172.2	173.9	175.6	175.6	175.6
72.5°	141.2	142.9	144.6	146.4	148.1	146.4	148.1	149.8	151.5	151.5	151.5
75°	117.1	118.8	120.5	122.3	124.0	122.3	124.0	125.7	125.7	127.4	127.4
77.5°	93.0	94.7	96.4	98.2	99.9	99.9	99.9	101.6	103.3	105.0	103.3
80°	70.6	72.3	74.0	75.8	77.5	75.8	77.5	77.5	79.2	79.2	79.2
82.5°	48.2	51.7	51.7	53.4	53.4	53.4	55.1	55.1	56.8	58.5	56.8
85°	27.6	29.3	31.0	32.7	32.7	32.7	32.7	34.4	34.4	36.2	36.2
87.5°	8.6	8.6	10.3	12.1	12.1	12.1	13.8	13.8	15.5	15.5	15.5
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	6.9	6.9	8.6	10.3	12.1	13.8	17.2	17.2	15.5	13.8	15.5
95°	17.2	20.7	25.8	32.7	39.6	43.1	51.7	49.9	43.1	36.2	34.4
97.5°	34.4	43.1	55.1	74.0	87.8	96.4	106.8	98.2	82.7	70.6	63.7
100°	62.0	80.9	108.5	148.1	168.8	177.4	180.8	161.9	137.8	115.4	101.6
102.5°	111.9	156.7	211.8	266.9	287.6	287.6	277.2	242.8	206.6	173.9	148.1
105°	222.1	297.9	382.3	423.6	432.2	420.2	385.7	339.2	287.6	244.5	208.4
107.5°	449.4	549.3	587.2	585.5	576.9	547.6	501.1	442.6	377.1	323.7	279.0
110°	743.9	773.2	766.3	726.7	704.3	671.6	607.9	549.3	471.8	415.0	358.2





TEST NUMBER: P303231

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	974.7	945.4	902.3	842.1	814.5	780.1	714.6	650.9	568.3	508.0	446.0
115°	1122.7	1067.6	1010.8	945.4	916.1	879.9	814.5	743.9	661.2	599.3	535.5
117.5°	1229.5	1164.1	1103.8	1038.4	1010.8	974.7	907.5	833.4	750.8	690.5	626.8
120°	1307.0	1250.2	1188.2	1124.5	1098.6	1062.5	991.9	921.3	843.8	778.3	714.6
122.5°	1384.5	1324.2	1265.7	1205.4	1179.6	1143.4	1069.4	1000.5	924.7	861.0	799.0
125°	1451.6	1393.1	1338.0	1281.2	1253.6	1214.0	1145.1	1076.3	1003.9	941.9	883.4
127.5°	1513.6	1460.3	1403.4	1348.3	1320.8	1279.4	1214.0	1146.9	1081.4	1021.1	962.6
130°	1568.7	1522.2	1467.1	1412.0	1381.0	1343.2	1281.2	1215.7	1153.7	1096.9	1040.1
132.5°	1620.4	1575.6	1524.0	1465.4	1434.4	1401.7	1341.4	1282.9	1224.3	1171.0	1115.9
135°	1670.3	1622.1	1570.5	1513.6	1486.1	1456.8	1398.3	1339.7	1289.8	1238.1	1186.5
137.5°	1715.1	1661.7	1611.8	1558.4	1532.6	1505.0	1449.9	1396.5	1350.0	1298.4	1250.2
140°	1751.3	1697.9	1651.4	1598.0	1575.6	1551.5	1498.1	1448.2	1406.9	1362.1	1313.9
142.5°	1780.5	1728.9	1685.8	1637.6	1617.0	1592.9	1542.9	1499.9	1462.0	1418.9	1372.4
145°	1804.7	1758.2	1716.8	1672.1	1653.1	1632.5	1586.0	1548.1	1510.2	1470.6	1427.5
147.5°	1828.8	1784.0	1747.8	1706.5	1689.3	1670.3	1625.6	1592.9	1558.4	1520.5	1480.9
150°	1847.7	1808.1	1771.9	1735.8	1718.6	1701.3	1661.7	1629.0	1601.5	1567.0	1530.9
152.5°	1861.5	1828.8	1796.0	1763.3	1746.1	1730.6	1697.9	1668.6	1644.5	1611.8	1577.4
155°	1871.8	1844.3	1815.0	1787.4	1771.9	1758.2	1727.2	1703.1	1679.0	1651.4	1618.7
157.5°	1880.4	1856.3	1830.5	1802.9	1792.6	1778.8	1751.3	1732.3	1711.7	1687.6	1658.3
160°	1885.6	1866.6	1840.8	1820.2	1809.8	1799.5	1773.7	1756.4	1740.9	1720.3	1692.7
162.5°	1887.3	1870.1	1849.4	1832.2	1823.6	1813.3	1790.9	1778.8	1763.3	1746.1	1720.3
165°	1885.6	1873.5	1854.6	1840.8	1833.9	1823.6	1806.4	1796.0	1785.7	1770.2	1747.8
167.5°	1882.1	1870.1	1858.0	1846.0	1839.1	1832.2	1818.4	1811.5	1802.9	1792.6	1773.7
170°	1875.3	1868.4	1856.3	1849.4	1844.3	1837.4	1825.3	1821.9	1818.4	1808.1	1792.6
172.5°	1864.9	1859.8	1851.2	1846.0	1842.5	1837.4	1828.8	1828.8	1827.0	1820.2	1806.4
175°	1849.4	1847.7	1840.8	1839.1	1837.4	1832.2	1828.8	1830.5	1832.2	1828.8	1818.4
177.5°	1832.2	1833.9	1828.8	1830.5	1828.8	1825.3	1825.3	1830.5	1833.9	1833.9	1827.0
180°	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0



TEST NUMBER: P303231

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	666.4	663.0	661.2	663.0	661.2	659.5	659.5	661.2	664.7	668.1	664.7
5°	663.0	659.5	659.5	659.5	659.5	657.8	657.8	657.8	661.2	666.4	661.2
7.5°	657.8	654.4	654.4	654.4	654.4	652.6	652.6	652.6	656.1	659.5	656.1
10°	650.9	649.2	647.5	647.5	647.5	645.8	644.0	645.8	649.2	652.6	647.5
12.5°	642.3	640.6	638.9	638.9	638.9	637.1	637.1	637.1	640.6	642.3	638.9
15°	632.0	630.3	628.5	630.3	628.5	626.8	626.8	626.8	630.3	632.0	628.5
17.5°	619.9	618.2	616.5	616.5	616.5	613.0	613.0	613.0	618.2	618.2	614.8
20°	606.1	602.7	602.7	602.7	601.0	599.3	599.3	599.3	602.7	602.7	599.3
22.5°	592.4	590.6	587.2	587.2	587.2	585.5	583.8	583.8	588.9	585.5	583.8
25°	576.9	573.4	571.7	571.7	570.0	568.3	566.5	566.5	571.7	568.3	564.8
27.5°	557.9	556.2	554.5	554.5	552.8	549.3	549.3	549.3	554.5	549.3	547.6
30°	540.7	539.0	537.3	537.3	535.5	532.1	532.1	533.8	537.3	532.1	530.4
32.5°	521.8	520.0	516.6	516.6	514.9	513.2	513.2	514.9	516.6	511.4	509.7
35°	501.1	499.4	497.7	497.7	495.9	494.2	494.2	495.9	495.9	490.8	489.0
37.5°	480.4	478.7	477.0	475.3	473.6	473.6	473.6	475.3	473.6	470.1	466.7
40°	459.8	458.1	454.6	454.6	452.9	451.2	451.2	454.6	451.2	447.7	442.6
42.5°	433.9	432.2	428.8	428.8	427.1	427.1	428.8	430.5	427.1	423.6	420.2
45°	411.6	409.8	408.1	408.1	406.4	406.4	406.4	406.4	404.7	402.9	399.5
47.5°	389.2	387.5	385.7	385.7	385.7	384.0	384.0	384.0	382.3	378.8	377.1
50°	366.8	365.1	363.3	363.3	361.6	359.9	361.6	359.9	359.9	356.5	353.0
52.5°	342.7	341.0	341.0	339.2	341.0	339.2	337.5	337.5	335.8	332.3	330.6
55°	318.6	318.6	316.8	316.8	316.8	315.1	315.1	313.4	313.4	310.0	306.5
57.5°	296.2	294.5	294.5	294.5	294.5	291.0	291.0	289.3	289.3	285.9	284.1
60°	272.1	270.4	270.4	270.4	270.4	268.6	266.9	266.9	263.5	261.7	260.0
62.5°	248.0	246.2	246.2	246.2	246.2	244.5	242.8	242.8	239.4	237.6	235.9
65°	223.9	222.1	222.1	222.1	222.1	220.4	218.7	218.7	215.3	213.5	213.5
67.5°	199.8	198.0	198.0	198.0	198.0	196.3	194.6	194.6	191.1	191.1	189.4
70°	175.6	175.6	175.6	173.9	173.9	172.2	170.5	170.5	167.0	167.0	165.3
72.5°	151.5	151.5	149.8	148.1	149.8	149.8	146.4	146.4	144.6	144.6	142.9
75°	127.4	127.4	125.7	125.7	125.7	124.0	122.3	122.3	120.5	120.5	118.8
77.5°	103.3	103.3	101.6	101.6	103.3	101.6	99.9	99.9	98.2	98.2	96.4
80°	79.2	80.9	79.2	80.9	79.2	79.2	77.5	75.8	75.8	75.8	74.0
82.5°	56.8	58.5	56.8	58.5	56.8	56.8	55.1	53.4	51.7	51.7	49.9
85°	36.2	36.2	34.4	36.2	34.4	34.4	32.7	31.0	29.3	29.3	29.3
87.5°	15.5	15.5	13.8	15.5	13.8	13.8	12.1	12.1	10.3	10.3	10.3
90°	3.4	5.2	6.9	6.9	6.9	6.9	8.6	8.6	8.6	8.6	10.3
92.5°	22.4	29.3	32.7	32.7	31.0	32.7	34.4	32.7	32.7	31.0	31.0
95°	39.6	44.8	53.4	58.5	63.7	70.6	74.0	72.3	72.3	68.9	68.9
97.5°	60.3	67.2	74.0	72.3	74.0	84.4	93.0	101.6	106.8	110.2	111.9
100°	94.7	91.3	96.4	101.6	103.3	101.6	105.0	113.7	122.3	125.7	132.6
102.5°	136.0	125.7	122.3	124.0	127.4	139.5	134.3	136.0	137.8	141.2	149.8
105°	186.0	168.8	160.1	158.4	156.7	161.9	173.9	177.4	170.5	168.8	172.2
107.5°	246.2	220.4	206.6	199.8	196.3	196.3	199.8	210.1	218.7	215.3	211.8
110°	318.6	280.7	260.0	248.0	239.4	234.2	235.9	239.4	248.0	256.6	263.5



TEST NUMBER: P303231

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	397.8	351.3	318.6	304.8	292.7	277.2	273.8	273.8	277.2	285.9	294.5
115°	485.6	428.8	387.5	368.5	354.7	328.9	316.8	310.0	311.7	313.4	320.3
117.5°	573.4	514.9	466.7	442.6	423.6	390.9	366.8	354.7	349.6	347.8	351.3
120°	657.8	602.7	551.0	525.2	501.1	461.5	428.8	402.9	392.6	384.0	382.3
122.5°	740.5	687.1	633.7	606.1	582.0	539.0	506.3	471.8	447.7	428.8	418.4
125°	828.3	769.7	716.4	692.2	666.4	619.9	578.6	547.6	516.6	490.8	471.8
127.5°	905.8	852.4	799.0	774.9	752.5	702.6	659.5	625.1	592.4	559.7	532.1
130°	985.0	933.3	881.7	855.8	831.7	787.0	742.2	704.3	671.6	638.9	607.9
132.5°	1060.8	1010.8	960.9	935.0	914.4	869.6	823.1	787.0	750.8	719.8	688.8
135°	1133.1	1081.4	1036.6	1010.8	986.7	947.1	904.1	871.3	833.4	800.7	771.5
137.5°	1202.0	1150.3	1109.0	1084.9	1065.9	1026.3	986.7	952.3	916.1	883.4	852.4
140°	1265.7	1217.5	1172.7	1153.7	1131.4	1096.9	1060.8	1031.5	997.0	962.6	935.0
142.5°	1327.7	1281.2	1243.3	1219.2	1202.0	1165.8	1131.4	1107.2	1078.0	1041.8	1016.0
145°	1382.8	1339.7	1305.3	1284.6	1262.2	1229.5	1198.5	1176.1	1152.0	1119.3	1093.5
147.5°	1439.6	1398.3	1362.1	1346.6	1325.9	1294.9	1267.4	1245.0	1227.8	1195.1	1171.0
150°	1493.0	1453.4	1417.2	1401.7	1384.5	1355.2	1329.4	1310.4	1294.9	1265.7	1243.3
152.5°	1542.9	1503.3	1472.3	1456.8	1439.6	1413.8	1387.9	1369.0	1360.4	1331.1	1308.7
155°	1586.0	1549.8	1522.2	1510.2	1493.0	1465.4	1443.0	1425.8	1417.2	1393.1	1374.2
157.5°	1627.3	1591.1	1567.0	1556.7	1541.2	1515.4	1496.4	1477.5	1472.3	1453.4	1432.7
160°	1663.5	1632.5	1611.8	1601.5	1587.7	1561.9	1544.6	1529.1	1524.0	1510.2	1491.3
162.5°	1696.2	1668.6	1651.4	1639.3	1627.3	1608.3	1589.4	1575.6	1572.2	1563.6	1542.9
165°	1727.2	1701.3	1684.1	1675.5	1666.9	1648.0	1630.7	1620.4	1617.0	1611.8	1591.1
167.5°	1754.7	1730.6	1715.1	1709.9	1699.6	1684.1	1670.3	1660.0	1658.3	1656.6	1637.6
170°	1775.4	1754.7	1744.4	1735.8	1730.6	1716.8	1704.8	1696.2	1696.2	1697.9	1679.0
172.5°	1794.3	1777.1	1766.8	1761.6	1756.4	1744.4	1735.8	1727.2	1730.6	1734.1	1718.6
175°	1808.1	1794.3	1785.7	1782.3	1778.8	1768.5	1761.6	1758.2	1761.6	1768.5	1753.0
177.5°	1818.4	1808.1	1802.9	1801.2	1797.8	1790.9	1787.4	1784.0	1790.9	1799.5	1785.7
180°	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0



TEST NUMBER: P303231

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	664.7	664.7	664.7	664.7	664.7	664.7	664.7	664.7
2.5°	666.4	666.4	664.7	664.7	663.0	661.2	659.5	659.5
5°	663.0	661.2	661.2	661.2	659.5	659.5	657.8	657.8
7.5°	656.1	656.1	656.1	654.4	656.1	654.4	654.4	654.4
10°	649.2	647.5	647.5	647.5	647.5	645.8	645.8	647.5
12.5°	640.6	638.9	637.1	637.1	637.1	637.1	637.1	638.9
15°	628.5	628.5	628.5	626.8	626.8	626.8	626.8	628.5
17.5°	614.8	613.0	613.0	613.0	613.0	613.0	613.0	613.0
20°	599.3	597.5	597.5	595.8	595.8	595.8	595.8	597.5
22.5°	583.8	580.3	580.3	578.6	580.3	580.3	578.6	580.3
25°	564.8	563.1	563.1	561.4	561.4	559.7	559.7	561.4
27.5°	547.6	545.9	544.2	544.2	542.4	540.7	540.7	542.4
30°	528.7	526.9	525.2	523.5	523.5	521.8	521.8	523.5
32.5°	508.0	506.3	504.5	504.5	502.8	501.1	501.1	502.8
35°	487.3	485.6	483.9	483.9	482.2	480.4	480.4	482.2
37.5°	466.7	463.2	463.2	463.2	461.5	459.8	458.1	459.8
40°	440.8	439.1	437.4	435.7	435.7	433.9	433.9	433.9
42.5°	418.4	416.7	416.7	415.0	413.3	411.6	411.6	413.3
45°	396.1	396.1	394.3	392.6	390.9	390.9	390.9	390.9
47.5°	373.7	372.0	372.0	372.0	368.5	368.5	366.8	368.5
50°	351.3	349.6	349.6	349.6	346.1	346.1	346.1	346.1
52.5°	328.9	327.2	327.2	325.5	325.5	323.7	322.0	323.7
55°	304.8	304.8	303.1	303.1	301.4	299.6	299.6	301.4
57.5°	282.4	280.7	280.7	280.7	279.0	277.2	277.2	279.0
60°	258.3	258.3	258.3	256.6	254.9	254.9	254.9	254.9
62.5°	235.9	234.2	234.2	234.2	234.2	232.5	230.7	230.7
65°	211.8	210.1	210.1	210.1	208.4	210.1	208.4	208.4
67.5°	187.7	187.7	187.7	186.0	186.0	186.0	184.3	184.3
70°	165.3	163.6	165.3	163.6	163.6	163.6	161.9	161.9
72.5°	142.9	141.2	141.2	139.5	141.2	139.5	139.5	137.8
75°	118.8	118.8	117.1	117.1	117.1	117.1	115.4	115.4
77.5°	96.4	96.4	94.7	94.7	94.7	93.0	93.0	91.3
80°	72.3	72.3	72.3	70.6	70.6	70.6	70.6	68.9
82.5°	49.9	49.9	49.9	48.2	48.2	46.5	46.5	44.8
85°	27.6	27.6	27.6	25.8	25.8	25.8	25.8	24.1
87.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
90°	10.3	12.1	10.3	12.1	13.8	13.8	13.8	15.5
92.5°	31.0	31.0	31.0	32.7	32.7	31.0	31.0	31.0
95°	68.9	68.9	68.9	68.9	68.9	67.2	67.2	67.2
97.5°	113.7	113.7	113.7	115.4	113.7	110.2	110.2	110.2
100°	136.0	139.5	141.2	142.9	144.6	146.4	146.4	146.4
102.5°	156.7	158.4	160.1	161.9	163.6	163.6	163.6	163.6
105°	175.6	177.4	177.4	179.1	184.3	187.7	189.4	189.4
107.5°	210.1	210.1	210.1	211.8	211.8	211.8	211.8	211.8
110°	266.9	258.3	256.6	249.7	251.4	249.7	249.7	249.7



TEST NUMBER: P303231

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	303.1	308.2	310.0	311.7	311.7	310.0	306.5	304.8
115°	330.6	335.8	339.2	339.2	344.4	347.8	347.8	347.8
117.5°	356.5	361.6	363.3	366.8	370.2	373.7	375.4	375.4
120°	384.0	389.2	389.2	392.6	394.3	397.8	399.5	399.5
122.5°	415.0	418.4	418.4	418.4	421.9	421.9	423.6	423.6
125°	461.5	458.1	456.3	454.6	454.6	452.9	454.6	452.9
127.5°	514.9	506.3	501.1	495.9	492.5	487.3	487.3	485.6
130°	580.3	570.0	557.9	552.8	544.2	539.0	535.5	532.1
132.5°	659.5	645.8	633.7	625.1	613.0	602.7	597.5	594.1
135°	745.6	723.2	709.5	704.3	690.5	678.5	675.0	671.6
137.5°	826.6	805.9	793.8	788.7	774.9	762.8	757.7	754.2
140°	905.8	885.1	871.3	869.6	855.8	845.5	842.1	838.6
142.5°	986.7	969.5	954.0	948.8	936.8	929.9	923.0	921.3
145°	1065.9	1047.0	1033.2	1029.8	1017.7	1009.1	1003.9	1000.5
147.5°	1145.1	1127.9	1114.1	1110.7	1098.6	1091.7	1084.9	1081.4
150°	1220.9	1200.2	1191.6	1188.2	1176.1	1171.0	1164.1	1160.6
152.5°	1291.5	1272.6	1265.7	1260.5	1251.9	1241.6	1239.8	1236.4
155°	1355.2	1338.0	1332.8	1327.7	1319.1	1313.9	1312.2	1310.4
157.5°	1418.9	1403.4	1396.5	1391.4	1384.5	1379.3	1377.6	1379.3
160°	1480.9	1465.4	1460.3	1456.8	1446.5	1443.0	1443.0	1443.0
162.5°	1536.0	1524.0	1518.8	1515.4	1510.2	1505.0	1501.6	1503.3
165°	1586.0	1575.6	1572.2	1567.0	1561.9	1560.1	1558.4	1558.4
167.5°	1632.5	1622.1	1618.7	1613.5	1611.8	1608.3	1606.6	1610.1
170°	1677.2	1666.9	1665.2	1660.0	1656.6	1654.8	1651.4	1656.6
172.5°	1716.8	1709.9	1706.5	1703.1	1703.1	1701.3	1699.6	1703.1
175°	1753.0	1747.8	1744.4	1739.2	1740.9	1739.2	1739.2	1742.7
177.5°	1787.4	1784.0	1780.5	1778.8	1777.1	1773.7	1770.2	1771.9
180°	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0

(END OF REPORT)