

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: P303232

Luminaire Tested: **CTW-F-7525-40L940-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303232
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-7525-40L940-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

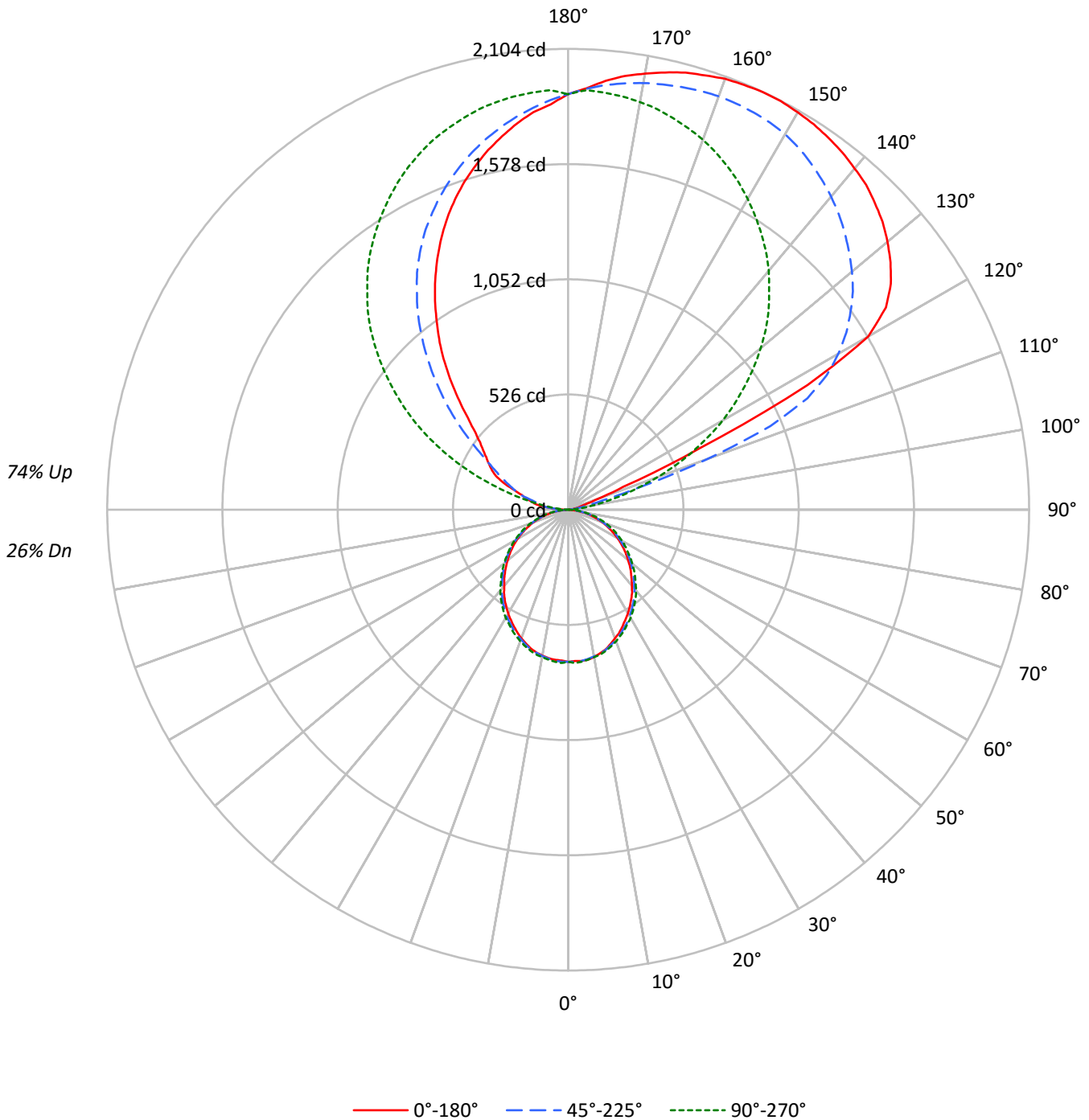
Lumens per Lamp: N/A
Luminaire Lumens: 7205.9 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	7479	7479	7479
5°	7488	7527	7430
10°	7456	7476	7397
15°	7361	7422	7321
20°	7155	7320	7155
25°	6969	7204	6969
30°	6779	7092	6801
35°	6575	6930	6623
40°	6348	6778	6374
45°	6165	6576	6220
50°	5968	6390	6059
55°	5810	6215	5911
60°	5619	6084	5735
65°	5364	5960	5547
70°	5098	5778	5325
75°	4716	5540	5016
80°	4128	5133	4463
85°	2668	4668	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	0.9
10°-20°	185.6	2.6
20°-30°	274.0	3.8
30°-40°	321.5	4.5
40°-50°	323.6	4.5
50°-60°	288.6	4.0
60°-70°	221.2	3.1
70°-80°	131.6	1.8
80°-90°	36.4	0.5
90°-100°	53.1	0.7
100°-110°	226.5	3.1
110°-120°	646.4	9.0
120°-130°	945.2	13.1
130°-140°	1019.8	14.2
140°-150°	970.5	13.5
150°-160°	796.4	11.1
160°-170°	520.0	7.2
170°-180°	180.2	2.5
0°-30°	525.1	7.3
0°-40°	846.6	11.7
0°-60°	1458.8	20.2
0°-90°	1847.9	25.6
90°-120°	926.0	12.9
90°-150°	3861.5	53.6
90°-180°	5358.0	74.4
0°-180°	7205.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	695	695	695	695	695	
5°	693	693	697	691	688	66
15°	661	662	666	659	657	185
25°	587	599	607	598	587	270
35°	500	518	527	518	504	313
45°	405	421	432	423	409	312
55°	310	322	331	328	315	276
65°	211	221	234	225	218	209
75°	113	121	133	126	121	120
85°	22	27	38	31	25	27
90°	2	2	2	9	16	2
95°	13	16	38	76	70	14
105°	59	162	256	178	198	73
115°	655	1204	626	326	364	739
125°	1798	1573	985	540	473	1593
135°	1980	1786	1294	871	702	1529
145°	2072	1931	1537	1204	1046	1299
155°	2104	2002	1726	1481	1370	972
165°	2066	1998	1850	1690	1629	585
175°	1966	1946	1912	1841	1822	189
180°	1897	1897	1897	1897	1897	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8
2.5°	691.2	689.4	693.0	694.8	694.8	696.6	696.6	696.6	696.6	698.4	694.8
5°	693.0	693.0	693.0	693.0	691.2	693.0	693.0	694.8	694.8	696.6	693.0
7.5°	691.2	689.4	689.4	689.4	687.6	687.6	689.4	689.4	687.6	691.2	687.6
10°	682.2	682.2	680.4	680.4	680.4	680.4	680.4	682.2	682.2	684.0	680.4
12.5°	671.4	671.4	671.4	671.4	669.6	669.6	671.4	673.2	673.2	675.0	673.2
15°	660.6	658.8	660.6	662.4	660.6	660.6	660.6	662.4	662.4	664.2	662.4
17.5°	642.6	642.6	644.4	646.2	646.2	644.4	646.2	648.0	648.0	649.8	648.0
20°	624.6	624.6	626.4	628.2	628.2	628.2	630.0	630.0	631.8	631.8	633.6
22.5°	608.4	606.6	608.4	610.2	610.2	608.4	612.0	612.0	613.8	615.6	617.4
25°	586.8	585.0	588.6	590.4	590.4	590.4	592.2	594.0	595.8	597.6	599.4
27.5°	565.2	565.2	567.0	568.8	570.6	570.6	572.4	576.0	576.0	577.8	581.4
30°	545.4	545.4	547.2	549.0	550.8	550.8	550.8	554.4	558.0	558.0	561.6
32.5°	523.8	522.0	523.8	527.4	527.4	527.4	529.2	532.8	534.6	536.4	540.0
35°	500.4	500.4	502.2	504.0	505.8	505.8	507.6	511.2	513.0	514.8	518.4
37.5°	478.8	477.0	478.8	480.6	482.4	482.4	484.2	487.8	489.6	491.4	495.0
40°	451.8	450.0	451.8	453.6	455.4	455.4	457.2	462.6	464.4	466.2	469.8
42.5°	428.4	426.6	428.4	430.2	432.0	433.8	433.8	435.6	439.2	441.0	444.6
45°	405.0	403.2	403.2	406.8	408.6	408.6	410.4	412.2	415.8	417.6	421.2
47.5°	381.6	379.8	381.6	383.4	383.4	385.2	387.0	387.0	390.6	394.2	396.0
50°	356.4	356.4	356.4	358.2	360.0	361.8	361.8	363.6	365.4	369.0	372.6
52.5°	333.0	331.2	333.0	334.8	336.6	336.6	338.4	338.4	340.2	345.6	347.4
55°	309.6	307.8	307.8	309.6	309.6	311.4	313.2	313.2	315.0	318.6	322.2
57.5°	284.4	284.4	284.4	286.2	286.2	286.2	289.8	289.8	291.6	295.2	297.0
60°	261.0	261.0	259.2	261.0	261.0	262.8	264.6	264.6	266.4	268.2	271.8
62.5°	235.8	235.8	234.0	235.8	237.6	237.6	239.4	239.4	241.2	244.8	246.6
65°	210.6	212.4	210.6	210.6	212.4	212.4	214.2	214.2	216.0	217.8	221.4
67.5°	187.2	187.2	185.4	187.2	187.2	189.0	189.0	190.8	190.8	192.6	194.4
70°	162.0	162.0	162.0	162.0	163.8	163.8	165.6	165.6	165.6	167.4	169.2
72.5°	138.6	138.6	136.8	136.8	138.6	140.4	140.4	142.2	142.2	145.8	145.8
75°	113.4	113.4	113.4	113.4	115.2	115.2	115.2	117.0	118.8	118.8	120.6
77.5°	90.0	88.2	90.0	90.0	90.0	90.0	91.8	93.6	93.6	95.4	97.2
80°	66.6	64.8	66.6	66.6	66.6	66.6	68.4	68.4	70.2	72.0	72.0
82.5°	43.2	41.4	43.2	43.2	43.2	43.2	45.0	45.0	46.8	48.6	48.6
85°	21.6	19.8	21.6	21.6	21.6	21.6	21.6	23.4	25.2	25.2	27.0
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	7.2
90°	1.8	3.6	3.6	3.6	1.8	3.6	1.8	3.6	1.8	1.8	1.8
92.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
95°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	14.4	14.4	14.4	16.2
97.5°	21.6	19.8	19.8	21.6	21.6	21.6	21.6	23.4	25.2	27.0	30.6
100°	30.6	30.6	30.6	32.4	32.4	34.2	34.2	36.0	39.6	43.2	50.4
102.5°	45.0	45.0	45.0	46.8	46.8	48.6	50.4	54.0	59.4	68.4	84.6
105°	59.4	61.2	63.0	64.8	68.4	72.0	73.8	81.0	93.6	117.0	162.0
107.5°	88.2	88.2	91.8	95.4	102.6	109.8	115.2	136.8	167.4	232.2	340.2
110°	138.6	136.8	142.2	158.4	178.2	198.0	208.8	282.6	367.2	509.4	673.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	271.8	268.2	286.2	324.0	396.0	457.2	484.2	626.4	779.4	912.6	999.0
115°	655.2	646.2	684.0	759.6	885.6	959.4	982.8	1099.8	1177.2	1200.6	1204.2
117.5°	1233.0	1222.2	1247.4	1288.8	1355.4	1380.6	1375.2	1395.0	1386.0	1364.4	1330.2
120°	1580.4	1571.4	1571.4	1569.6	1573.2	1566.0	1557.0	1537.2	1503.0	1468.8	1423.8
122.5°	1719.0	1715.4	1706.4	1690.2	1679.4	1670.4	1652.4	1623.6	1589.4	1551.6	1504.8
125°	1798.2	1792.8	1783.8	1769.4	1749.6	1742.4	1722.6	1692.0	1657.8	1620.0	1573.2
127.5°	1854.0	1848.6	1839.6	1828.8	1807.2	1800.0	1782.0	1749.6	1717.2	1681.2	1638.0
130°	1902.6	1897.2	1888.2	1879.2	1861.2	1848.6	1832.4	1801.8	1771.2	1735.2	1690.2
132.5°	1945.8	1938.6	1929.6	1922.4	1906.2	1897.2	1879.2	1850.4	1819.8	1785.6	1738.8
135°	1980.0	1976.4	1965.6	1958.4	1942.2	1931.4	1917.0	1890.0	1861.2	1827.0	1785.6
137.5°	2012.4	2003.4	1998.0	1989.0	1972.8	1962.0	1949.4	1924.2	1897.2	1866.6	1828.8
140°	2034.0	2028.6	2021.4	2016.0	1999.8	1987.2	1976.4	1956.6	1929.6	1900.8	1866.6
142.5°	2055.6	2050.2	2044.8	2035.8	2021.4	2012.4	2001.6	1983.6	1962.0	1933.2	1900.8
145°	2071.8	2066.4	2061.0	2055.6	2041.2	2032.2	2023.2	2008.8	1987.2	1960.2	1931.4
147.5°	2086.2	2082.6	2077.2	2071.8	2059.2	2052.0	2044.8	2030.4	2008.8	1981.8	1958.4
150°	2095.2	2091.6	2086.2	2084.4	2070.0	2062.8	2057.4	2044.8	2025.0	1998.0	1980.0
152.5°	2102.4	2098.8	2093.4	2091.6	2077.2	2071.8	2066.4	2053.8	2034.0	2008.8	1992.6
155°	2104.2	2100.6	2095.2	2091.6	2077.2	2071.8	2068.2	2055.6	2039.4	2017.8	2001.6
157.5°	2098.8	2097.0	2093.4	2086.2	2073.6	2068.2	2066.4	2053.8	2041.2	2023.2	2007.0
160°	2093.4	2089.8	2088.0	2082.6	2071.8	2068.2	2066.4	2055.6	2043.0	2026.8	2008.8
162.5°	2079.0	2079.0	2077.2	2073.6	2064.6	2061.0	2059.2	2050.2	2037.6	2025.0	2005.2
165°	2066.4	2064.6	2061.0	2057.4	2050.2	2048.4	2044.8	2039.4	2026.8	2017.8	1998.0
167.5°	2044.8	2043.0	2039.4	2034.0	2028.6	2028.6	2026.8	2023.2	2012.4	2008.8	1989.0
170°	2021.4	2017.8	2017.8	2014.2	2008.8	2008.8	2008.8	2005.2	1996.2	1994.4	1978.2
172.5°	1998.0	1994.4	1992.6	1990.8	1983.6	1985.4	1985.4	1981.8	1976.4	1980.0	1963.8
175°	1965.6	1963.8	1960.2	1960.2	1956.6	1958.4	1962.0	1960.2	1954.8	1960.2	1945.8
177.5°	1926.0	1924.2	1926.0	1931.4	1927.8	1933.2	1933.2	1935.0	1933.2	1938.6	1924.2
180°	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8
2.5°	691.2	693.0	691.2	693.0	693.0	691.2	693.0	694.8	698.4	700.2	698.4
5°	689.4	689.4	689.4	689.4	689.4	689.4	689.4	691.2	694.8	696.6	694.8
7.5°	684.0	685.8	684.0	685.8	685.8	684.0	684.0	687.6	689.4	691.2	689.4
10°	678.6	678.6	676.8	678.6	678.6	678.6	678.6	680.4	682.2	684.0	682.2
12.5°	669.6	669.6	667.8	669.6	669.6	669.6	669.6	671.4	675.0	676.8	675.0
15°	658.8	658.8	658.8	658.8	660.6	658.8	658.8	662.4	664.2	666.0	664.2
17.5°	644.4	646.2	644.4	646.2	646.2	646.2	646.2	649.8	651.6	653.4	651.6
20°	628.2	630.0	630.0	630.0	631.8	631.8	631.8	633.6	637.2	639.0	637.2
22.5°	613.8	615.6	615.6	615.6	615.6	615.6	617.4	619.2	622.8	622.8	622.8
25°	595.8	595.8	597.6	599.4	599.4	599.4	601.2	603.0	604.8	606.6	604.8
27.5°	577.8	577.8	577.8	581.4	581.4	581.4	581.4	583.2	586.8	586.8	586.8
30°	559.8	558.0	559.8	561.6	563.4	563.4	563.4	565.2	568.8	570.6	568.8
32.5°	540.0	538.2	540.0	541.8	541.8	543.6	543.6	545.4	549.0	549.0	549.0
35°	518.4	516.6	518.4	520.2	520.2	522.0	523.8	523.8	527.4	527.4	527.4
37.5°	496.8	495.0	496.8	498.6	498.6	500.4	500.4	502.2	505.8	505.8	505.8
40°	473.4	471.6	471.6	475.2	475.2	475.2	478.8	478.8	482.4	482.4	482.4
42.5°	448.2	446.4	448.2	450.0	450.0	450.0	451.8	453.6	455.4	455.4	455.4
45°	423.0	423.0	424.8	426.6	426.6	426.6	428.4	430.2	432.0	432.0	432.0
47.5°	399.6	399.6	401.4	403.2	403.2	403.2	405.0	405.0	408.6	406.8	406.8
50°	374.4	376.2	378.0	379.8	379.8	379.8	381.6	381.6	383.4	381.6	383.4
52.5°	349.2	351.0	352.8	354.6	354.6	354.6	356.4	356.4	358.2	356.4	358.2
55°	324.0	324.0	327.6	329.4	329.4	329.4	331.2	331.2	333.0	331.2	333.0
57.5°	300.6	300.6	302.4	304.2	304.2	304.2	306.0	307.8	307.8	307.8	307.8
60°	273.6	275.4	277.2	279.0	280.8	280.8	280.8	282.6	282.6	282.6	282.6
62.5°	248.4	250.2	252.0	253.8	255.6	253.8	255.6	257.4	257.4	257.4	257.4
65°	223.2	225.0	226.8	228.6	230.4	228.6	230.4	232.2	232.2	234.0	232.2
67.5°	198.0	198.0	201.6	203.4	203.4	203.4	205.2	207.0	207.0	208.8	208.8
70°	172.8	172.8	176.4	178.2	178.2	178.2	180.0	181.8	183.6	183.6	183.6
72.5°	147.6	149.4	151.2	153.0	154.8	153.0	154.8	156.6	158.4	158.4	158.4
75°	122.4	124.2	126.0	127.8	129.6	127.8	129.6	131.4	131.4	133.2	133.2
77.5°	97.2	99.0	100.8	102.6	104.4	104.4	104.4	106.2	108.0	109.8	108.0
80°	73.8	75.6	77.4	79.2	81.0	79.2	81.0	81.0	82.8	82.8	82.8
82.5°	50.4	54.0	54.0	55.8	55.8	55.8	57.6	57.6	59.4	61.2	59.4
85°	28.8	30.6	32.4	34.2	34.2	34.2	34.2	36.0	36.0	37.8	37.8
87.5°	9.0	9.0	10.8	12.6	12.6	12.6	14.4	14.4	16.2	16.2	16.2
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
92.5°	7.2	7.2	9.0	10.8	12.6	14.4	18.0	18.0	16.2	14.4	16.2
95°	18.0	21.6	27.0	34.2	41.4	45.0	54.0	52.2	45.0	37.8	36.0
97.5°	36.0	45.0	57.6	77.4	91.8	100.8	111.6	102.6	86.4	73.8	66.6
100°	64.8	84.6	113.4	154.8	176.4	185.4	189.0	169.2	144.0	120.6	106.2
102.5°	117.0	163.8	221.4	279.0	300.6	300.6	289.8	253.8	216.0	181.8	154.8
105°	232.2	311.4	399.6	442.8	451.8	439.2	403.2	354.6	300.6	255.6	217.8
107.5°	469.8	574.2	613.8	612.0	603.0	572.4	523.8	462.6	394.2	338.4	291.6
110°	777.6	808.2	801.0	759.6	736.2	702.0	635.4	574.2	493.2	433.8	374.4



TEST NUMBER: P303232

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1018.8	988.2	943.2	880.2	851.4	815.4	747.0	680.4	594.0	531.0	466.2
115°	1173.6	1116.0	1056.6	988.2	957.6	919.8	851.4	777.6	691.2	626.4	559.8
117.5°	1285.2	1216.8	1153.8	1085.4	1056.6	1018.8	948.6	871.2	784.8	721.8	655.2
120°	1366.2	1306.8	1242.0	1175.4	1148.4	1110.6	1036.8	963.0	882.0	813.6	747.0
122.5°	1447.2	1384.2	1323.0	1260.0	1233.0	1195.2	1117.8	1045.8	966.6	900.0	835.2
125°	1517.4	1456.2	1398.6	1339.2	1310.4	1269.0	1197.0	1125.0	1049.4	984.6	923.4
127.5°	1582.2	1526.4	1467.0	1409.4	1380.6	1337.4	1269.0	1198.8	1130.4	1067.4	1006.2
130°	1639.8	1591.2	1533.6	1476.0	1443.6	1404.0	1339.2	1270.8	1206.0	1146.6	1087.2
132.5°	1693.8	1647.0	1593.0	1531.8	1499.4	1465.2	1402.2	1341.0	1279.8	1224.0	1166.4
135°	1746.0	1695.6	1641.6	1582.2	1553.4	1522.8	1461.6	1400.4	1348.2	1294.2	1240.2
137.5°	1792.8	1737.0	1684.8	1629.0	1602.0	1573.2	1515.6	1459.8	1411.2	1357.2	1306.8
140°	1830.6	1774.8	1726.2	1670.4	1647.0	1621.8	1566.0	1513.8	1470.6	1423.8	1373.4
142.5°	1861.2	1807.2	1762.2	1711.8	1690.2	1665.0	1612.8	1567.8	1528.2	1483.2	1434.6
145°	1886.4	1837.8	1794.6	1747.8	1728.0	1706.4	1657.8	1618.2	1578.6	1537.2	1492.2
147.5°	1911.6	1864.8	1827.0	1783.8	1765.8	1746.0	1699.2	1665.0	1629.0	1589.4	1548.0
150°	1931.4	1890.0	1852.2	1814.4	1796.4	1778.4	1737.0	1702.8	1674.0	1638.0	1600.2
152.5°	1945.8	1911.6	1877.4	1843.2	1825.2	1809.0	1774.8	1744.2	1719.0	1684.8	1648.8
155°	1956.6	1927.8	1897.2	1868.4	1852.2	1837.8	1805.4	1780.2	1755.0	1726.2	1692.0
157.5°	1965.6	1940.4	1913.4	1884.6	1873.8	1859.4	1830.6	1810.8	1789.2	1764.0	1733.4
160°	1971.0	1951.2	1924.2	1902.6	1891.8	1881.0	1854.0	1836.0	1819.8	1798.2	1769.4
162.5°	1972.8	1954.8	1933.2	1915.2	1906.2	1895.4	1872.0	1859.4	1843.2	1825.2	1798.2
165°	1971.0	1958.4	1938.6	1924.2	1917.0	1906.2	1888.2	1877.4	1866.6	1850.4	1827.0
167.5°	1967.4	1954.8	1942.2	1929.6	1922.4	1915.2	1900.8	1893.6	1884.6	1873.8	1854.0
170°	1960.2	1953.0	1940.4	1933.2	1927.8	1920.6	1908.0	1904.4	1900.8	1890.0	1873.8
172.5°	1949.4	1944.0	1935.0	1929.6	1926.0	1920.6	1911.6	1911.6	1909.8	1902.6	1888.2
175°	1933.2	1931.4	1924.2	1922.4	1920.6	1915.2	1911.6	1913.4	1915.2	1911.6	1900.8
177.5°	1915.2	1917.0	1911.6	1913.4	1911.6	1908.0	1908.0	1913.4	1917.0	1917.0	1909.8
180°	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2



TEST NUMBER: P303232

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8
2.5°	696.6	693.0	691.2	693.0	691.2	689.4	689.4	691.2	694.8	698.4	694.8
5°	693.0	689.4	689.4	689.4	689.4	687.6	687.6	687.6	691.2	696.6	691.2
7.5°	687.6	684.0	684.0	684.0	684.0	682.2	682.2	682.2	685.8	689.4	685.8
10°	680.4	678.6	676.8	676.8	676.8	675.0	673.2	675.0	678.6	682.2	676.8
12.5°	671.4	669.6	667.8	667.8	667.8	666.0	666.0	666.0	669.6	671.4	667.8
15°	660.6	658.8	657.0	658.8	657.0	655.2	655.2	655.2	658.8	660.6	657.0
17.5°	648.0	646.2	644.4	644.4	644.4	640.8	640.8	640.8	646.2	646.2	642.6
20°	633.6	630.0	630.0	630.0	628.2	626.4	626.4	626.4	630.0	630.0	626.4
22.5°	619.2	617.4	613.8	613.8	613.8	612.0	610.2	610.2	615.6	612.0	610.2
25°	603.0	599.4	597.6	597.6	595.8	594.0	592.2	592.2	597.6	594.0	590.4
27.5°	583.2	581.4	579.6	579.6	577.8	574.2	574.2	574.2	579.6	574.2	572.4
30°	565.2	563.4	561.6	561.6	559.8	556.2	556.2	558.0	561.6	556.2	554.4
32.5°	545.4	543.6	540.0	540.0	538.2	536.4	536.4	538.2	540.0	534.6	532.8
35°	523.8	522.0	520.2	520.2	518.4	516.6	516.6	518.4	518.4	513.0	511.2
37.5°	502.2	500.4	498.6	496.8	495.0	495.0	495.0	496.8	495.0	491.4	487.8
40°	480.6	478.8	475.2	475.2	473.4	471.6	471.6	475.2	471.6	468.0	462.6
42.5°	453.6	451.8	448.2	448.2	446.4	446.4	448.2	450.0	446.4	442.8	439.2
45°	430.2	428.4	426.6	426.6	424.8	424.8	424.8	424.8	423.0	421.2	417.6
47.5°	406.8	405.0	403.2	403.2	403.2	401.4	401.4	401.4	399.6	396.0	394.2
50°	383.4	381.6	379.8	379.8	378.0	376.2	378.0	376.2	376.2	372.6	369.0
52.5°	358.2	356.4	356.4	354.6	356.4	354.6	352.8	352.8	351.0	347.4	345.6
55°	333.0	333.0	331.2	331.2	331.2	329.4	329.4	327.6	327.6	324.0	320.4
57.5°	309.6	307.8	307.8	307.8	307.8	304.2	304.2	302.4	302.4	298.8	297.0
60°	284.4	282.6	282.6	282.6	282.6	280.8	279.0	279.0	275.4	273.6	271.8
62.5°	259.2	257.4	257.4	257.4	257.4	255.6	253.8	253.8	250.2	248.4	246.6
65°	234.0	232.2	232.2	232.2	232.2	230.4	228.6	228.6	225.0	223.2	223.2
67.5°	208.8	207.0	207.0	207.0	207.0	205.2	203.4	203.4	199.8	199.8	198.0
70°	183.6	183.6	183.6	181.8	181.8	180.0	178.2	178.2	174.6	174.6	172.8
72.5°	158.4	158.4	156.6	154.8	156.6	156.6	153.0	153.0	151.2	151.2	149.4
75°	133.2	133.2	131.4	131.4	131.4	129.6	127.8	127.8	126.0	126.0	124.2
77.5°	108.0	108.0	106.2	106.2	108.0	106.2	104.4	104.4	102.6	102.6	100.8
80°	82.8	84.6	82.8	84.6	82.8	82.8	81.0	79.2	79.2	79.2	77.4
82.5°	59.4	61.2	59.4	61.2	59.4	59.4	57.6	55.8	54.0	54.0	52.2
85°	37.8	37.8	36.0	37.8	36.0	36.0	34.2	32.4	30.6	30.6	30.6
87.5°	16.2	16.2	14.4	16.2	14.4	14.4	12.6	12.6	10.8	10.8	10.8
90°	3.6	5.4	7.2	7.2	7.2	7.2	9.0	9.0	9.0	9.0	10.8
92.5°	23.4	30.6	34.2	34.2	32.4	34.2	36.0	34.2	34.2	32.4	32.4
95°	41.4	46.8	55.8	61.2	66.6	73.8	77.4	75.6	75.6	72.0	72.0
97.5°	63.0	70.2	77.4	75.6	77.4	88.2	97.2	106.2	111.6	115.2	117.0
100°	99.0	95.4	100.8	106.2	108.0	106.2	109.8	118.8	127.8	131.4	138.6
102.5°	142.2	131.4	127.8	129.6	133.2	145.8	140.4	142.2	144.0	147.6	156.6
105°	194.4	176.4	167.4	165.6	163.8	169.2	181.8	185.4	178.2	176.4	180.0
107.5°	257.4	230.4	216.0	208.8	205.2	205.2	208.8	219.6	228.6	225.0	221.4
110°	333.0	293.4	271.8	259.2	250.2	244.8	246.6	250.2	259.2	268.2	275.4



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CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	415.8	367.2	333.0	318.6	306.0	289.8	286.2	286.2	289.8	298.8	307.8
115°	507.6	448.2	405.0	385.2	370.8	343.8	331.2	324.0	325.8	327.6	334.8
117.5°	599.4	538.2	487.8	462.6	442.8	408.6	383.4	370.8	365.4	363.6	367.2
120°	687.6	630.0	576.0	549.0	523.8	482.4	448.2	421.2	410.4	401.4	399.6
122.5°	774.0	718.2	662.4	633.6	608.4	563.4	529.2	493.2	468.0	448.2	437.4
125°	865.8	804.6	748.8	723.6	696.6	648.0	604.8	572.4	540.0	513.0	493.2
127.5°	946.8	891.0	835.2	810.0	786.6	734.4	689.4	653.4	619.2	585.0	556.2
130°	1029.6	975.6	921.6	894.6	869.4	822.6	775.8	736.2	702.0	667.8	635.4
132.5°	1108.8	1056.6	1004.4	977.4	955.8	909.0	860.4	822.6	784.8	752.4	720.0
135°	1184.4	1130.4	1083.6	1056.6	1031.4	990.0	945.0	910.8	871.2	837.0	806.4
137.5°	1256.4	1202.4	1159.2	1134.0	1114.2	1072.8	1031.4	995.4	957.6	923.4	891.0
140°	1323.0	1272.6	1225.8	1206.0	1182.6	1146.6	1108.8	1078.2	1042.2	1006.2	977.4
142.5°	1387.8	1339.2	1299.6	1274.4	1256.4	1218.6	1182.6	1157.4	1126.8	1089.0	1062.0
145°	1445.4	1400.4	1364.4	1342.8	1319.4	1285.2	1252.8	1229.4	1204.2	1170.0	1143.0
147.5°	1504.8	1461.6	1423.8	1407.6	1386.0	1353.6	1324.8	1301.4	1283.4	1249.2	1224.0
150°	1560.6	1519.2	1481.4	1465.2	1447.2	1416.6	1389.6	1369.8	1353.6	1323.0	1299.6
152.5°	1612.8	1571.4	1539.0	1522.8	1504.8	1477.8	1450.8	1431.0	1422.0	1391.4	1368.0
155°	1657.8	1620.0	1591.2	1578.6	1560.6	1531.8	1508.4	1490.4	1481.4	1456.2	1436.4
157.5°	1701.0	1663.2	1638.0	1627.2	1611.0	1584.0	1564.2	1544.4	1539.0	1519.2	1497.6
160°	1738.8	1706.4	1684.8	1674.0	1659.6	1632.6	1614.6	1598.4	1593.0	1578.6	1558.8
162.5°	1773.0	1744.2	1726.2	1713.6	1701.0	1681.2	1661.4	1647.0	1643.4	1634.4	1612.8
165°	1805.4	1778.4	1760.4	1751.4	1742.4	1722.6	1704.6	1693.8	1690.2	1684.8	1663.2
167.5°	1834.2	1809.0	1792.8	1787.4	1776.6	1760.4	1746.0	1735.2	1733.4	1731.6	1711.8
170°	1855.8	1834.2	1823.4	1814.4	1809.0	1794.6	1782.0	1773.0	1773.0	1774.8	1755.0
172.5°	1875.6	1857.6	1846.8	1841.4	1836.0	1823.4	1814.4	1805.4	1809.0	1812.6	1796.4
175°	1890.0	1875.6	1866.6	1863.0	1859.4	1848.6	1841.4	1837.8	1841.4	1848.6	1832.4
177.5°	1900.8	1890.0	1884.6	1882.8	1879.2	1872.0	1868.4	1864.8	1872.0	1881.0	1866.6
180°	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2



TEST NUMBER: P303232

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8
2.5°	696.6	696.6	694.8	694.8	693.0	691.2	689.4	689.4
5°	693.0	691.2	691.2	691.2	689.4	689.4	687.6	687.6
7.5°	685.8	685.8	685.8	684.0	685.8	684.0	684.0	684.0
10°	678.6	676.8	676.8	676.8	676.8	675.0	675.0	676.8
12.5°	669.6	667.8	666.0	666.0	666.0	666.0	666.0	667.8
15°	657.0	657.0	657.0	655.2	655.2	655.2	655.2	657.0
17.5°	642.6	640.8	640.8	640.8	640.8	640.8	640.8	640.8
20°	626.4	624.6	624.6	622.8	622.8	622.8	622.8	624.6
22.5°	610.2	606.6	606.6	604.8	606.6	606.6	604.8	606.6
25°	590.4	588.6	588.6	586.8	586.8	585.0	585.0	586.8
27.5°	572.4	570.6	568.8	568.8	567.0	565.2	565.2	567.0
30°	552.6	550.8	549.0	547.2	547.2	545.4	545.4	547.2
32.5°	531.0	529.2	527.4	527.4	525.6	523.8	523.8	525.6
35°	509.4	507.6	505.8	505.8	504.0	502.2	502.2	504.0
37.5°	487.8	484.2	484.2	484.2	482.4	480.6	478.8	480.6
40°	460.8	459.0	457.2	455.4	455.4	453.6	453.6	453.6
42.5°	437.4	435.6	435.6	433.8	432.0	430.2	430.2	432.0
45°	414.0	414.0	412.2	410.4	408.6	408.6	408.6	408.6
47.5°	390.6	388.8	388.8	388.8	385.2	385.2	383.4	385.2
50°	367.2	365.4	365.4	365.4	361.8	361.8	361.8	361.8
52.5°	343.8	342.0	342.0	340.2	340.2	338.4	336.6	338.4
55°	318.6	318.6	316.8	316.8	315.0	313.2	313.2	315.0
57.5°	295.2	293.4	293.4	293.4	291.6	289.8	289.8	291.6
60°	270.0	270.0	270.0	268.2	266.4	266.4	266.4	266.4
62.5°	246.6	244.8	244.8	244.8	244.8	243.0	241.2	241.2
65°	221.4	219.6	219.6	219.6	217.8	219.6	217.8	217.8
67.5°	196.2	196.2	196.2	194.4	194.4	194.4	192.6	192.6
70°	172.8	171.0	172.8	171.0	171.0	171.0	169.2	169.2
72.5°	149.4	147.6	147.6	145.8	147.6	145.8	145.8	144.0
75°	124.2	124.2	122.4	122.4	122.4	122.4	120.6	120.6
77.5°	100.8	100.8	99.0	99.0	99.0	97.2	97.2	95.4
80°	75.6	75.6	75.6	73.8	73.8	73.8	73.8	72.0
82.5°	52.2	52.2	52.2	50.4	50.4	48.6	48.6	46.8
85°	28.8	28.8	28.8	27.0	27.0	27.0	27.0	25.2
87.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
90°	10.8	12.6	10.8	12.6	14.4	14.4	14.4	16.2
92.5°	32.4	32.4	32.4	34.2	34.2	32.4	32.4	32.4
95°	72.0	72.0	72.0	72.0	72.0	70.2	70.2	70.2
97.5°	118.8	118.8	118.8	120.6	118.8	115.2	115.2	115.2
100°	142.2	145.8	147.6	149.4	151.2	153.0	153.0	153.0
102.5°	163.8	165.6	167.4	169.2	171.0	171.0	171.0	171.0
105°	183.6	185.4	185.4	187.2	192.6	196.2	198.0	198.0
107.5°	219.6	219.6	219.6	221.4	221.4	221.4	221.4	221.4
110°	279.0	270.0	268.2	261.0	262.8	261.0	261.0	261.0



TEST NUMBER: P303232

CATALOG NUMBER: CTW-F-7525-40L940-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	316.8	322.2	324.0	325.8	325.8	324.0	320.4	318.6
115°	345.6	351.0	354.6	354.6	360.0	363.6	363.6	363.6
117.5°	372.6	378.0	379.8	383.4	387.0	390.6	392.4	392.4
120°	401.4	406.8	406.8	410.4	412.2	415.8	417.6	417.6
122.5°	433.8	437.4	437.4	437.4	441.0	441.0	442.8	442.8
125°	482.4	478.8	477.0	475.2	475.2	473.4	475.2	473.4
127.5°	538.2	529.2	523.8	518.4	514.8	509.4	509.4	507.6
130°	606.6	595.8	583.2	577.8	568.8	563.4	559.8	556.2
132.5°	689.4	675.0	662.4	653.4	640.8	630.0	624.6	621.0
135°	779.4	756.0	741.6	736.2	721.8	709.2	705.6	702.0
137.5°	864.0	842.4	829.8	824.4	810.0	797.4	792.0	788.4
140°	946.8	925.2	910.8	909.0	894.6	883.8	880.2	876.6
142.5°	1031.4	1013.4	997.2	991.8	979.2	972.0	964.8	963.0
145°	1114.2	1094.4	1080.0	1076.4	1063.8	1054.8	1049.4	1045.8
147.5°	1197.0	1179.0	1164.6	1161.0	1148.4	1141.2	1134.0	1130.4
150°	1276.2	1254.6	1245.6	1242.0	1229.4	1224.0	1216.8	1213.2
152.5°	1350.0	1330.2	1323.0	1317.6	1308.6	1297.8	1296.0	1292.4
155°	1416.6	1398.6	1393.2	1387.8	1378.8	1373.4	1371.6	1369.8
157.5°	1483.2	1467.0	1459.8	1454.4	1447.2	1441.8	1440.0	1441.8
160°	1548.0	1531.8	1526.4	1522.8	1512.0	1508.4	1508.4	1508.4
162.5°	1605.6	1593.0	1587.6	1584.0	1578.6	1573.2	1569.6	1571.4
165°	1657.8	1647.0	1643.4	1638.0	1632.6	1630.8	1629.0	1629.0
167.5°	1706.4	1695.6	1692.0	1686.6	1684.8	1681.2	1679.4	1683.0
170°	1753.2	1742.4	1740.6	1735.2	1731.6	1729.8	1726.2	1731.6
172.5°	1794.6	1787.4	1783.8	1780.2	1780.2	1778.4	1776.6	1780.2
175°	1832.4	1827.0	1823.4	1818.0	1819.8	1818.0	1818.0	1821.6
177.5°	1868.4	1864.8	1861.2	1859.4	1857.6	1854.0	1850.4	1852.2
180°	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2	1897.2

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