

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: P303239

Luminaire Tested: **CTW-F-7525-50L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303239
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-7525-50L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

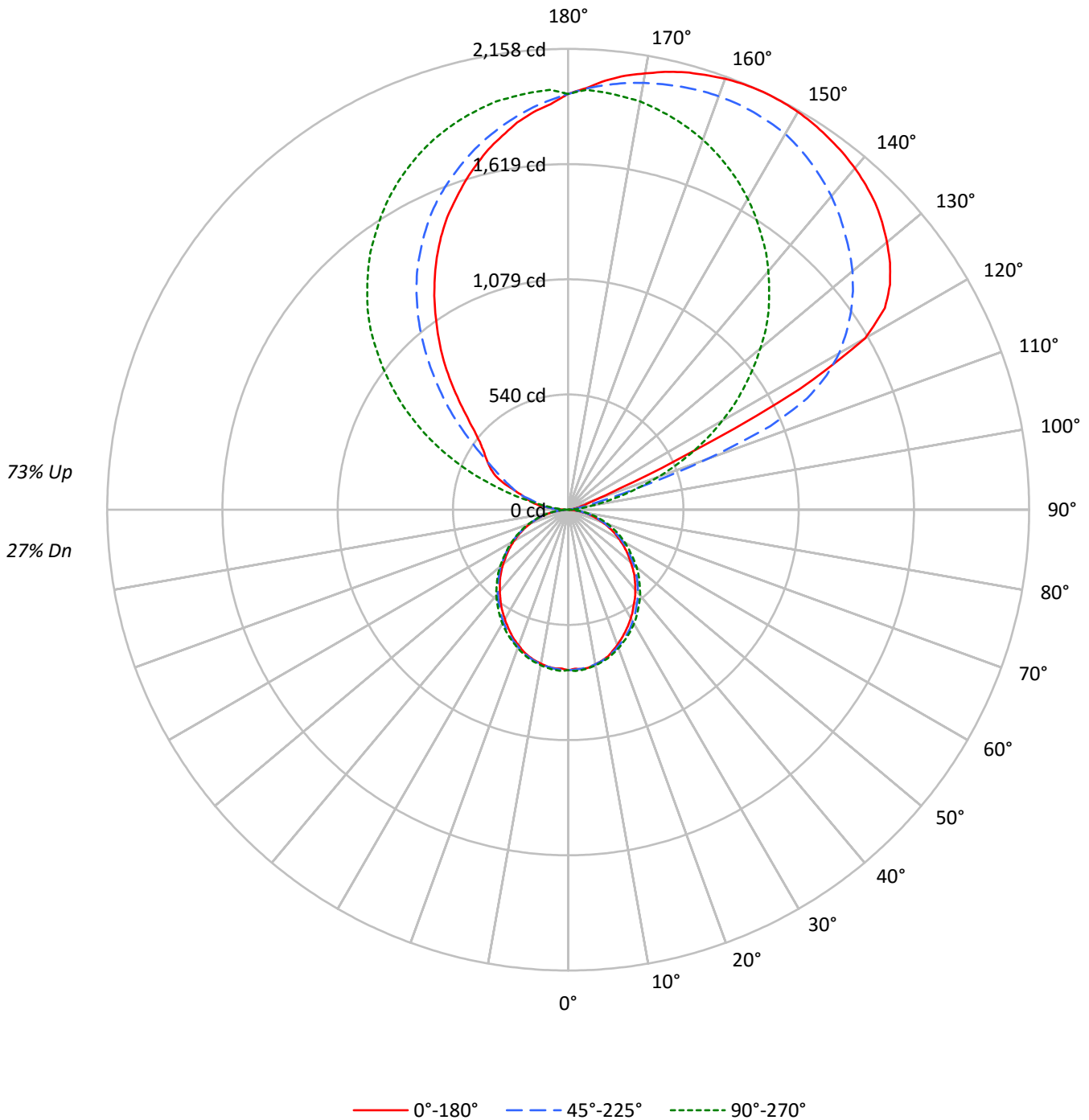
Lumens per Lamp: N/A
Luminaire Lumens: 7499.2 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	10785	10785	10785
5°	10783	10848	10740
10°	10711	10777	10668
15°	10586	10698	10564
20°	10286	10538	10332
25°	10000	10380	10095
30°	9720	10217	9819
35°	9408	9987	9592
40°	9161	9808	9330
45°	8890	9560	9133
50°	8507	9311	8875
55°	8257	8970	8633
60°	7922	8783	8396
65°	7590	8558	8150
70°	7113	8308	7868
75°	6571	8068	7486
80°	5455	7438	6819
85°	2964	6669	5187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	0.9
10°-20°	200.6	2.7
20°-30°	296.2	3.9
30°-40°	347.5	4.6
40°-50°	352.4	4.7
50°-60°	312.3	4.2
60°-70°	239.0	3.2
70°-80°	141.8	1.9
80°-90°	39.3	0.5
90°-100°	54.9	0.7
100°-110°	233.1	3.1
110°-120°	663.5	8.8
120°-130°	969.7	12.9
130°-140°	1046.3	14.0
140°-150°	995.9	13.3
150°-160°	817.2	10.9
160°-170°	533.6	7.1
170°-180°	184.9	2.5
0°-30°	567.7	7.6
0°-40°	915.2	12.2
0°-60°	1580.0	21.1
0°-90°	2000.1	26.7
90°-120°	951.5	12.7
90°-150°	3963.4	52.9
90°-180°	5499.0	73.3
0°-180°	7499.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	752	752	752	752	752	
5°	748	747	753	747	746	71
15°	712	714	720	714	711	200
25°	632	646	656	646	638	291
35°	537	556	570	560	548	337
45°	438	456	471	462	450	337
55°	330	345	358	357	345	294
65°	224	236	252	248	240	221
75°	118	126	146	140	135	124
85°	18	27	40	36	32	26
90°	3	3	2	10	16	2
95°	14	16	40	75	72	15
105°	64	164	262	182	204	75
115°	627	1234	645	334	375	729
125°	1839	1616	1008	552	484	1628
135°	2032	1832	1328	892	723	1568
145°	2126	1983	1574	1238	1077	1333
155°	2158	2054	1770	1522	1408	998
165°	2121	2050	1899	1736	1670	601
175°	2018	1996	1962	1892	1869	194
180°	1947	1947	1947	1947	1947	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	745.5	745.5	747.0	750.0	750.0	750.0	751.5	753.0	751.5	754.5	750.0
5°	748.5	747.0	747.0	747.0	747.0	748.5	748.5	750.0	748.5	751.5	747.0
7.5°	745.5	744.0	744.0	742.5	741.0	741.0	742.5	744.0	742.5	745.5	742.5
10°	735.0	733.5	735.0	733.5	733.5	735.0	735.0	735.0	736.5	738.0	735.0
12.5°	724.5	724.5	723.0	723.0	723.0	723.0	724.5	726.0	726.0	727.5	726.0
15°	712.5	709.5	711.0	712.5	711.0	712.5	712.5	714.0	714.0	715.5	714.0
17.5°	693.0	693.0	694.5	696.0	696.0	696.0	697.5	697.5	699.0	700.5	699.0
20°	673.5	673.5	673.5	676.5	676.5	676.5	678.0	679.5	681.0	682.5	682.5
22.5°	652.5	652.5	652.5	655.5	655.5	655.5	658.5	660.0	661.5	663.0	664.5
25°	631.5	631.5	633.0	634.5	634.5	634.5	637.5	639.0	640.5	642.0	646.5
27.5°	609.0	609.0	610.5	612.0	613.5	615.0	616.5	618.0	621.0	622.5	627.0
30°	586.5	585.0	586.5	589.5	591.0	591.0	594.0	595.5	598.5	600.0	604.5
32.5°	562.5	561.0	562.5	565.5	567.0	567.0	570.0	571.5	574.5	576.0	582.0
35°	537.0	537.0	540.0	540.0	541.5	543.0	544.5	547.5	550.5	552.0	556.5
37.5°	514.5	513.0	516.0	516.0	517.5	519.0	520.5	523.5	526.5	529.5	532.5
40°	489.0	486.0	489.0	490.5	492.0	493.5	495.0	496.5	501.0	504.0	507.0
42.5°	463.5	460.5	463.5	465.0	468.0	468.0	468.0	471.0	475.5	478.5	481.5
45°	438.0	435.0	438.0	438.0	441.0	442.5	442.5	444.0	448.5	451.5	456.0
47.5°	411.0	411.0	412.5	414.0	415.5	415.5	417.0	418.5	421.5	427.5	429.0
50°	381.0	381.0	382.5	385.5	387.0	390.0	390.0	391.5	394.5	399.0	402.0
52.5°	355.5	354.0	355.5	357.0	358.5	360.0	360.0	361.5	364.5	369.0	372.0
55°	330.0	330.0	330.0	331.5	333.0	333.0	334.5	336.0	337.5	340.5	345.0
57.5°	303.0	303.0	304.5	304.5	306.0	306.0	307.5	309.0	310.5	313.5	318.0
60°	276.0	277.5	276.0	277.5	279.0	279.0	280.5	282.0	283.5	286.5	291.0
62.5°	250.5	250.5	250.5	250.5	252.0	252.0	253.5	255.0	258.0	259.5	262.5
65°	223.5	223.5	223.5	223.5	226.5	226.5	226.5	229.5	231.0	231.0	235.5
67.5°	196.5	198.0	196.5	198.0	199.5	199.5	199.5	202.5	204.0	205.5	207.0
70°	169.5	171.0	171.0	171.0	172.5	172.5	172.5	175.5	177.0	178.5	180.0
72.5°	144.0	144.0	145.5	145.5	145.5	145.5	147.0	148.5	150.0	151.5	153.0
75°	118.5	118.5	118.5	118.5	120.0	120.0	120.0	123.0	124.5	126.0	126.0
77.5°	91.5	93.0	91.5	91.5	93.0	93.0	94.5	96.0	97.5	100.5	102.0
80°	66.0	66.0	67.5	67.5	69.0	67.5	69.0	70.5	72.0	75.0	75.0
82.5°	42.0	42.0	42.0	43.5	43.5	45.0	45.0	45.0	46.5	49.5	51.0
85°	18.0	18.0	18.0	18.0	21.0	21.0	21.0	22.5	24.0	25.5	27.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
90°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
92.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	15.0	15.0	16.5
97.5°	21.0	21.0	21.0	21.0	21.0	22.5	22.5	24.0	25.5	27.0	30.0
100°	31.5	31.5	33.0	33.0	33.0	34.5	34.5	37.5	40.5	45.0	52.5
102.5°	46.5	45.0	46.5	46.5	48.0	49.5	51.0	55.5	61.5	72.0	88.5
105°	64.5	63.0	64.5	66.0	69.0	72.0	75.0	84.0	97.5	121.5	163.5
107.5°	91.5	90.0	93.0	97.5	103.5	111.0	118.5	135.0	177.0	244.5	345.0
110°	135.0	141.0	147.0	160.5	180.0	201.0	214.5	286.5	375.0	520.5	687.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	259.5	279.0	297.0	342.0	405.0	463.5	498.0	658.5	793.5	936.0	1024.5
115°	627.0	673.5	688.5	802.5	898.5	978.0	1012.5	1144.5	1203.0	1231.5	1234.5
117.5°	1222.5	1266.0	1266.0	1333.5	1387.5	1413.0	1416.0	1429.5	1419.0	1401.0	1365.0
120°	1605.0	1608.0	1614.0	1612.5	1614.0	1611.0	1600.5	1581.0	1545.0	1507.5	1464.0
122.5°	1758.0	1755.0	1750.5	1737.0	1722.0	1713.0	1696.5	1668.0	1632.0	1588.5	1543.5
125°	1839.0	1834.5	1828.5	1815.0	1795.5	1788.0	1768.5	1737.0	1701.0	1659.0	1615.5
127.5°	1899.0	1894.5	1887.0	1875.0	1855.5	1846.5	1828.5	1795.5	1761.0	1723.5	1680.0
130°	1948.5	1944.0	1936.5	1929.0	1911.0	1899.0	1882.5	1849.5	1818.0	1779.0	1737.0
132.5°	1993.5	1987.5	1980.0	1974.0	1956.0	1947.0	1929.0	1899.0	1867.5	1830.0	1786.5
135°	2032.5	2025.0	2016.0	2010.0	1993.5	1983.0	1966.5	1939.5	1909.5	1873.5	1831.5
137.5°	2062.5	2055.0	2047.5	2038.5	2025.0	2010.0	2001.0	1977.0	1947.0	1914.0	1876.5
140°	2088.0	2082.0	2074.5	2068.5	2053.5	2038.5	2029.5	2008.5	1980.0	1951.5	1917.0
142.5°	2109.0	2104.5	2097.0	2089.5	2076.0	2062.5	2055.0	2035.5	2013.0	1983.0	1951.5
145°	2125.5	2121.0	2115.0	2109.0	2095.5	2085.0	2076.0	2062.5	2040.0	2010.0	1983.0
147.5°	2140.5	2136.0	2131.5	2125.5	2112.0	2104.5	2097.0	2082.0	2059.5	2032.5	2010.0
150°	2151.0	2146.5	2142.0	2137.5	2124.0	2116.5	2112.0	2097.0	2077.5	2050.5	2032.5
152.5°	2157.0	2152.5	2148.0	2145.0	2131.5	2124.0	2119.5	2106.0	2086.5	2062.5	2044.5
155°	2158.5	2155.5	2151.0	2146.5	2133.0	2124.0	2122.5	2109.0	2092.5	2070.0	2053.5
157.5°	2155.5	2151.0	2146.5	2142.0	2128.5	2122.5	2119.5	2109.0	2094.0	2076.0	2059.5
160°	2148.0	2143.5	2142.0	2136.0	2125.5	2121.0	2118.0	2109.0	2095.5	2079.0	2061.0
162.5°	2134.5	2133.0	2131.5	2127.0	2119.5	2115.0	2113.5	2104.5	2091.0	2077.5	2058.0
165°	2121.0	2118.0	2115.0	2110.5	2104.5	2101.5	2098.5	2092.5	2079.0	2070.0	2050.5
167.5°	2100.0	2095.5	2092.5	2088.0	2080.5	2082.0	2079.0	2076.0	2065.5	2061.0	2041.5
170°	2074.5	2073.0	2068.5	2065.5	2061.0	2062.5	2061.0	2058.0	2049.0	2046.0	2029.5
172.5°	2050.5	2046.0	2044.5	2041.5	2037.0	2035.5	2037.0	2034.0	2029.5	2031.0	2014.5
175°	2017.5	2013.0	2013.0	2010.0	2007.0	2008.5	2010.0	2011.5	2005.5	2011.5	1996.5
177.5°	1977.0	1974.0	1977.0	1980.0	1978.5	1981.5	1983.0	1984.5	1981.5	1987.5	1974.0
180°	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	747.0	747.0	747.0	747.0	747.0	747.0	747.0	750.0	754.5	756.0	754.5
5°	744.0	745.5	744.0	745.5	745.5	745.5	745.5	748.5	751.5	753.0	751.5
7.5°	739.5	741.0	739.5	739.5	741.0	739.5	741.0	742.5	745.5	747.0	745.5
10°	732.0	732.0	732.0	733.5	733.5	733.5	733.5	736.5	739.5	739.5	738.0
12.5°	721.5	723.0	723.0	724.5	724.5	723.0	724.5	727.5	729.0	730.5	729.0
15°	711.0	711.0	711.0	712.5	712.5	712.5	712.5	715.5	718.5	720.0	718.5
17.5°	694.5	696.0	696.0	697.5	697.5	699.0	697.5	702.0	703.5	705.0	703.5
20°	679.5	679.5	681.0	681.0	682.5	682.5	682.5	685.5	688.5	690.0	688.5
22.5°	661.5	663.0	663.0	664.5	666.0	664.5	666.0	669.0	670.5	672.0	672.0
25°	642.0	643.5	643.5	646.5	646.5	646.5	646.5	649.5	652.5	655.5	654.0
27.5°	622.5	622.5	624.0	627.0	627.0	628.5	628.5	631.5	634.5	636.0	634.5
30°	601.5	601.5	603.0	604.5	606.0	606.0	607.5	610.5	613.5	616.5	613.5
32.5°	580.5	579.0	582.0	583.5	585.0	585.0	585.0	589.5	591.0	594.0	592.5
35°	556.5	555.0	558.0	559.5	561.0	561.0	564.0	565.5	568.5	570.0	568.5
37.5°	534.0	532.5	535.5	537.0	537.0	538.5	540.0	543.0	546.0	547.5	547.5
40°	510.0	508.5	510.0	513.0	513.0	514.5	516.0	517.5	519.0	523.5	522.0
42.5°	486.0	484.5	486.0	487.5	489.0	489.0	492.0	492.0	496.5	496.5	496.5
45°	457.5	459.0	460.5	463.5	463.5	462.0	465.0	466.5	471.0	471.0	469.5
47.5°	432.0	433.5	433.5	438.0	438.0	436.5	439.5	441.0	444.0	445.5	444.0
50°	405.0	406.5	408.0	411.0	411.0	411.0	412.5	415.5	417.0	417.0	417.0
52.5°	373.5	375.0	378.0	382.5	382.5	382.5	385.5	385.5	388.5	388.5	390.0
55°	346.5	348.0	351.0	354.0	354.0	355.5	357.0	358.5	360.0	358.5	360.0
57.5°	319.5	322.5	325.5	327.0	327.0	328.5	330.0	331.5	333.0	333.0	333.0
60°	292.5	294.0	295.5	300.0	300.0	301.5	303.0	304.5	304.5	306.0	306.0
62.5°	265.5	268.5	270.0	271.5	274.5	273.0	276.0	276.0	277.5	279.0	279.0
65°	237.0	238.5	241.5	244.5	244.5	246.0	249.0	249.0	250.5	252.0	252.0
67.5°	210.0	214.5	214.5	217.5	219.0	219.0	220.5	223.5	223.5	225.0	225.0
70°	181.5	186.0	187.5	189.0	190.5	192.0	193.5	195.0	196.5	198.0	198.0
72.5°	156.0	159.0	160.5	162.0	163.5	163.5	166.5	166.5	169.5	171.0	171.0
75°	127.5	130.5	132.0	135.0	136.5	138.0	139.5	139.5	142.5	145.5	144.0
77.5°	103.5	105.0	106.5	108.0	109.5	111.0	112.5	114.0	115.5	117.0	117.0
80°	78.0	79.5	79.5	82.5	84.0	85.5	87.0	88.5	88.5	90.0	91.5
82.5°	52.5	54.0	55.5	57.0	58.5	60.0	61.5	63.0	63.0	64.5	64.5
85°	28.5	30.0	31.5	33.0	34.5	36.0	37.5	39.0	39.0	40.5	40.5
87.5°	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	16.5	18.0	18.0
90°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5
92.5°	7.5	9.0	9.0	12.0	13.5	15.0	18.0	21.0	18.0	15.0	16.5
95°	18.0	22.5	27.0	36.0	42.0	48.0	57.0	57.0	46.5	40.5	37.5
97.5°	36.0	45.0	60.0	81.0	94.5	103.5	114.0	108.0	90.0	75.0	67.5
100°	64.5	87.0	115.5	162.0	181.5	192.0	195.0	178.5	148.5	124.5	108.0
102.5°	115.5	168.0	232.5	291.0	309.0	312.0	292.5	262.5	222.0	186.0	160.5
105°	229.5	331.5	412.5	462.0	468.0	457.5	412.5	364.5	310.5	262.5	223.5
107.5°	484.5	589.5	631.5	634.5	621.0	595.5	538.5	483.0	408.0	349.5	298.5
110°	802.5	838.5	820.5	784.5	757.5	717.0	651.0	589.5	510.0	448.5	387.0



TEST NUMBER: P303239

CATALOG NUMBER: CTW-F-7525-50L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1038.0	1020.0	972.0	907.5	870.0	834.0	765.0	697.5	612.0	547.5	481.5
115°	1198.5	1150.5	1089.0	1017.0	975.0	942.0	873.0	792.0	711.0	645.0	576.0
117.5°	1314.0	1249.5	1186.5	1119.0	1080.0	1042.5	972.0	892.5	807.0	742.5	672.0
120°	1402.5	1341.0	1275.0	1210.5	1170.0	1138.5	1068.0	984.0	903.0	832.5	769.5
122.5°	1483.5	1420.5	1359.0	1297.5	1261.5	1225.5	1149.0	1068.0	990.0	925.5	859.5
125°	1557.0	1494.0	1435.5	1377.0	1338.0	1300.5	1225.5	1150.5	1075.5	1008.0	949.5
127.5°	1624.5	1566.0	1506.0	1450.5	1410.0	1372.5	1300.5	1227.0	1159.5	1093.5	1035.0
130°	1684.5	1632.0	1573.5	1518.0	1476.0	1440.0	1371.0	1302.0	1237.5	1174.5	1114.5
132.5°	1740.0	1690.5	1635.0	1575.0	1534.5	1503.0	1438.5	1372.5	1314.0	1255.5	1194.0
135°	1792.5	1740.0	1686.0	1627.5	1590.0	1561.5	1497.0	1435.5	1381.5	1327.5	1270.5
137.5°	1842.0	1782.0	1731.0	1674.0	1641.0	1614.0	1555.5	1498.5	1447.5	1392.0	1341.0
140°	1879.5	1822.5	1770.0	1716.0	1689.0	1665.0	1608.0	1555.5	1509.0	1458.0	1408.5
142.5°	1912.5	1855.5	1809.0	1756.5	1731.0	1710.0	1657.5	1609.5	1567.5	1521.0	1471.5
145°	1938.0	1885.5	1843.5	1795.5	1773.0	1752.0	1701.0	1659.0	1620.0	1573.5	1530.0
147.5°	1962.0	1914.0	1875.0	1830.0	1812.0	1791.0	1744.5	1707.0	1671.0	1630.5	1587.0
150°	1981.5	1939.5	1902.0	1861.5	1845.0	1825.5	1783.5	1749.0	1716.0	1681.5	1641.0
152.5°	1996.5	1960.5	1927.5	1890.0	1875.0	1857.0	1821.0	1791.0	1761.0	1728.0	1690.5
155°	2007.0	1978.5	1948.5	1917.0	1900.5	1887.0	1852.5	1827.0	1801.5	1770.0	1735.5
157.5°	2017.5	1992.0	1962.0	1935.0	1923.0	1908.0	1879.5	1858.5	1836.0	1809.0	1777.5
160°	2022.0	2001.0	1974.0	1951.5	1941.0	1929.0	1902.0	1885.5	1866.0	1843.5	1815.0
162.5°	2023.5	2005.5	1983.0	1965.0	1956.0	1945.5	1921.5	1908.0	1893.0	1873.5	1846.5
165°	2023.5	2008.5	1990.5	1975.5	1968.0	1959.0	1938.0	1927.5	1914.0	1899.0	1875.0
167.5°	2019.0	2007.0	1992.0	1980.0	1974.0	1965.0	1950.0	1944.0	1933.5	1921.5	1902.0
170°	2011.5	2002.5	1990.5	1983.0	1977.0	1969.5	1959.0	1954.5	1950.0	1941.0	1921.5
172.5°	2001.0	1993.5	1984.5	1980.0	1977.0	1971.0	1960.5	1962.0	1959.0	1951.5	1938.0
175°	1986.0	1981.5	1977.0	1974.0	1971.0	1966.5	1960.5	1963.5	1965.0	1962.0	1950.0
177.5°	1966.5	1965.0	1963.5	1963.5	1959.0	1959.0	1956.0	1962.0	1968.0	1968.0	1959.0
180°	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0



TEST NUMBER: P303239

CATALOG NUMBER: CTW-F-7525-50L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	751.5	748.5	747.0	747.0	747.0	745.5	745.5	747.0	750.0	754.5	750.0
5°	750.0	745.5	745.5	745.5	745.5	744.0	742.5	744.0	747.0	751.5	747.0
7.5°	744.0	741.0	739.5	739.5	739.5	738.0	738.0	738.0	741.0	745.5	741.0
10°	736.5	733.5	733.5	733.5	732.0	730.5	730.5	730.5	735.0	738.0	733.5
12.5°	727.5	724.5	724.5	723.0	723.0	721.5	720.0	721.5	726.0	727.5	724.5
15°	715.5	712.5	712.5	712.5	711.0	711.0	709.5	709.5	714.0	715.5	712.5
17.5°	702.0	699.0	697.5	699.0	697.5	696.0	696.0	696.0	699.0	700.5	696.0
20°	685.5	682.5	682.5	681.0	681.0	679.5	679.5	679.5	684.0	682.5	679.5
22.5°	669.0	666.0	666.0	664.5	664.5	663.0	661.5	661.5	667.5	663.0	661.5
25°	651.0	648.0	648.0	646.5	645.0	643.5	643.5	643.5	646.5	643.5	642.0
27.5°	633.0	630.0	630.0	628.5	627.0	624.0	624.0	624.0	628.5	624.0	624.0
30°	610.5	609.0	609.0	607.5	604.5	603.0	603.0	604.5	607.5	603.0	601.5
32.5°	589.5	586.5	586.5	586.5	583.5	582.0	582.0	583.5	585.0	580.5	579.0
35°	565.5	564.0	564.0	562.5	559.5	559.5	558.0	559.5	559.5	556.5	555.0
37.5°	543.0	541.5	540.0	540.0	537.0	537.0	537.0	538.5	537.0	534.0	532.5
40°	519.0	517.5	516.0	514.5	513.0	513.0	513.0	516.0	513.0	510.0	508.5
42.5°	495.0	493.5	492.0	490.5	489.0	489.0	489.0	490.5	487.5	486.0	484.5
45°	468.0	468.0	466.5	465.0	465.0	465.0	463.5	465.0	462.0	460.5	457.5
47.5°	442.5	442.5	441.0	441.0	439.5	439.5	439.5	439.5	436.5	436.5	433.5
50°	417.0	415.5	414.0	415.5	415.5	414.0	414.0	412.5	411.0	411.0	406.5
52.5°	388.5	390.0	385.5	387.0	388.5	385.5	385.5	384.0	384.0	381.0	378.0
55°	360.0	360.0	360.0	360.0	361.5	358.5	357.0	355.5	357.0	354.0	351.0
57.5°	333.0	333.0	333.0	333.0	334.5	331.5	330.0	331.5	330.0	327.0	325.5
60°	307.5	306.0	306.0	306.0	307.5	304.5	304.5	303.0	303.0	298.5	298.5
62.5°	280.5	279.0	280.5	279.0	280.5	279.0	276.0	277.5	276.0	273.0	271.5
65°	253.5	252.0	253.5	252.0	252.0	250.5	249.0	249.0	247.5	246.0	244.5
67.5°	226.5	225.0	225.0	225.0	226.5	223.5	225.0	222.0	220.5	220.5	217.5
70°	198.0	198.0	198.0	196.5	198.0	195.0	195.0	195.0	193.5	192.0	190.5
72.5°	172.5	171.0	171.0	169.5	171.0	169.5	168.0	168.0	166.5	166.5	165.0
75°	144.0	144.0	144.0	144.0	144.0	142.5	141.0	141.0	139.5	139.5	138.0
77.5°	117.0	117.0	117.0	117.0	117.0	117.0	114.0	114.0	114.0	114.0	111.0
80°	91.5	91.5	91.5	90.0	91.5	90.0	88.5	88.5	88.5	87.0	85.5
82.5°	66.0	66.0	66.0	64.5	66.0	64.5	64.5	63.0	61.5	61.5	58.5
85°	40.5	42.0	42.0	40.5	40.5	40.5	40.5	37.5	36.0	36.0	34.5
87.5°	18.0	18.0	18.0	16.5	16.5	16.5	15.0	15.0	13.5	13.5	13.5
90°	3.0	4.5	6.0	7.5	7.5	9.0	10.5	10.5	10.5	10.5	12.0
92.5°	24.0	31.5	33.0	36.0	34.5	36.0	36.0	34.5	36.0	33.0	34.5
95°	42.0	48.0	58.5	64.5	69.0	76.5	79.5	78.0	75.0	73.5	75.0
97.5°	66.0	72.0	76.5	78.0	81.0	91.5	102.0	109.5	115.5	118.5	121.5
100°	102.0	97.5	103.5	108.0	111.0	109.5	114.0	123.0	130.5	136.5	142.5
102.5°	147.0	135.0	130.5	133.5	138.0	147.0	147.0	145.5	148.5	153.0	162.0
105°	199.5	183.0	171.0	169.5	169.5	175.5	186.0	190.5	181.5	181.5	184.5
107.5°	264.0	237.0	219.0	213.0	211.5	208.5	216.0	228.0	235.5	234.0	225.0
110°	337.5	301.5	276.0	265.5	259.5	250.5	252.0	256.5	265.5	277.5	285.0



TEST NUMBER: P303239

CATALOG NUMBER: CTW-F-7525-50L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	424.5	379.5	340.5	327.0	312.0	300.0	291.0	292.5	297.0	306.0	316.5
115°	516.0	465.0	415.5	397.5	379.5	352.5	337.5	333.0	334.5	337.5	343.5
117.5°	609.0	553.5	498.0	475.5	454.5	423.0	394.5	379.5	373.5	372.0	378.0
120°	703.5	642.0	588.0	562.5	537.0	501.0	463.5	435.0	423.0	414.0	414.0
122.5°	796.5	736.5	676.5	651.0	622.5	580.5	540.0	504.0	480.0	462.0	454.5
125°	885.0	829.5	766.5	742.5	712.5	666.0	621.0	583.5	552.0	523.5	505.5
127.5°	972.0	918.0	855.0	831.0	804.0	754.5	712.5	667.5	634.5	598.5	571.5
130°	1057.5	1003.5	943.5	919.5	894.0	846.0	796.5	753.0	720.0	684.0	654.0
132.5°	1138.5	1084.5	1030.5	1003.5	978.0	933.0	885.0	841.5	805.5	771.0	742.5
135°	1218.0	1161.0	1110.0	1084.5	1059.0	1017.0	972.0	931.5	892.5	856.5	828.0
137.5°	1290.0	1237.5	1188.0	1162.5	1138.5	1098.0	1059.0	1021.5	982.5	945.0	913.5
140°	1359.0	1308.0	1261.5	1239.0	1215.0	1174.5	1140.0	1107.0	1071.0	1027.5	1000.5
142.5°	1425.0	1374.0	1333.5	1311.0	1285.5	1251.0	1216.5	1186.5	1156.5	1119.0	1087.5
145°	1486.5	1435.5	1398.0	1378.5	1354.5	1321.5	1288.5	1261.5	1237.5	1200.0	1171.5
147.5°	1545.0	1498.5	1462.5	1441.5	1422.0	1390.5	1359.0	1333.5	1317.0	1279.5	1252.5
150°	1602.0	1554.0	1522.5	1503.0	1483.5	1455.0	1426.5	1402.5	1387.5	1356.0	1330.5
152.5°	1653.0	1609.5	1581.0	1563.0	1545.0	1516.5	1489.5	1467.0	1456.5	1423.5	1408.5
155°	1702.5	1660.5	1635.0	1620.0	1602.0	1570.5	1549.5	1527.0	1522.5	1494.0	1473.0
157.5°	1746.0	1708.5	1683.0	1668.0	1653.0	1626.0	1605.0	1587.0	1582.5	1557.0	1537.5
160°	1783.5	1750.5	1728.0	1716.0	1702.5	1675.5	1656.0	1641.0	1635.0	1617.0	1599.0
162.5°	1821.0	1789.5	1770.0	1758.0	1747.5	1722.0	1705.5	1690.5	1686.0	1674.0	1656.0
165°	1852.5	1824.0	1806.0	1797.0	1788.0	1765.5	1750.5	1737.0	1735.5	1726.5	1707.0
167.5°	1881.0	1855.5	1840.5	1833.0	1824.0	1804.5	1792.5	1780.5	1779.0	1777.5	1756.5
170°	1903.5	1882.5	1869.0	1863.0	1857.0	1839.0	1828.5	1819.5	1819.5	1821.0	1803.0
172.5°	1923.0	1905.0	1896.0	1888.5	1885.5	1869.0	1861.5	1854.0	1857.0	1860.0	1843.5
175°	1938.0	1923.0	1914.0	1911.0	1908.0	1894.5	1890.0	1887.0	1891.5	1897.5	1881.0
177.5°	1951.5	1938.0	1933.5	1930.5	1929.0	1918.5	1917.0	1914.0	1920.0	1929.0	1915.5
180°	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0



TEST NUMBER: P303239

CATALOG NUMBER: CTW-F-7525-50L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	751.5	751.5	751.5	750.0	748.5	747.0	744.0	744.0
5°	748.5	748.5	747.0	747.0	745.5	745.5	744.0	745.5
7.5°	742.5	742.5	741.0	741.0	741.0	741.0	739.5	741.0
10°	735.0	735.0	732.0	732.0	732.0	732.0	732.0	732.0
12.5°	724.5	723.0	723.0	721.5	721.5	723.0	723.0	723.0
15°	712.5	712.5	711.0	709.5	711.0	711.0	711.0	711.0
17.5°	697.5	696.0	696.0	694.5	696.0	696.0	694.5	696.0
20°	679.5	678.0	678.0	676.5	678.0	676.5	676.5	676.5
22.5°	660.0	658.5	658.5	657.0	658.5	658.5	658.5	658.5
25°	640.5	639.0	637.5	637.5	637.5	637.5	637.5	637.5
27.5°	621.0	619.5	618.0	618.0	618.0	616.5	616.5	615.0
30°	598.5	598.5	595.5	595.5	595.5	594.0	594.0	592.5
32.5°	577.5	576.0	574.5	573.0	573.0	571.5	570.0	570.0
35°	553.5	552.0	550.5	549.0	549.0	547.5	546.0	547.5
37.5°	531.0	529.5	526.5	526.5	526.5	523.5	523.5	522.0
40°	505.5	502.5	502.5	502.5	501.0	499.5	499.5	498.0
42.5°	480.0	478.5	477.0	477.0	477.0	474.0	474.0	474.0
45°	456.0	454.5	454.5	451.5	451.5	448.5	448.5	450.0
47.5°	429.0	429.0	429.0	427.5	426.0	424.5	424.5	424.5
50°	403.5	403.5	400.5	400.5	400.5	399.0	397.5	397.5
52.5°	375.0	373.5	373.5	372.0	370.5	370.5	370.5	370.5
55°	348.0	348.0	348.0	346.5	345.0	345.0	343.5	345.0
57.5°	322.5	322.5	322.5	321.0	319.5	319.5	318.0	319.5
60°	297.0	295.5	295.5	294.0	292.5	294.0	292.5	292.5
62.5°	270.0	268.5	270.0	268.5	267.0	265.5	265.5	267.0
65°	244.5	243.0	243.0	241.5	240.0	240.0	240.0	240.0
67.5°	217.5	216.0	216.0	214.5	214.5	214.5	214.5	214.5
70°	190.5	189.0	189.0	187.5	187.5	187.5	187.5	187.5
72.5°	165.0	163.5	163.5	162.0	162.0	162.0	162.0	162.0
75°	138.0	136.5	136.5	136.5	136.5	135.0	135.0	135.0
77.5°	112.5	111.0	111.0	111.0	109.5	109.5	109.5	109.5
80°	87.0	85.5	85.5	85.5	84.0	84.0	84.0	82.5
82.5°	60.0	58.5	58.5	60.0	57.0	58.5	57.0	57.0
85°	34.5	33.0	33.0	33.0	33.0	33.0	33.0	31.5
87.5°	13.5	12.0	12.0	13.5	12.0	13.5	13.5	13.5
90°	12.0	12.0	13.5	13.5	15.0	15.0	16.5	16.5
92.5°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
95°	73.5	73.5	73.5	73.5	73.5	73.5	73.5	72.0
97.5°	123.0	121.5	121.5	121.5	121.5	120.0	118.5	118.5
100°	147.0	151.5	153.0	154.5	156.0	157.5	159.0	157.5
102.5°	168.0	171.0	172.5	174.0	175.5	177.0	178.5	178.5
105°	187.5	189.0	190.5	193.5	198.0	202.5	204.0	204.0
107.5°	225.0	225.0	226.5	228.0	226.5	228.0	228.0	228.0
110°	285.0	276.0	274.5	271.5	267.0	268.5	268.5	268.5



TEST NUMBER: P303239

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	324.0	330.0	333.0	333.0	333.0	334.5	330.0	328.5
115°	354.0	360.0	363.0	364.5	369.0	373.5	375.0	375.0
117.5°	384.0	391.5	394.5	396.0	400.5	405.0	406.5	406.5
120°	417.0	420.0	423.0	423.0	427.5	430.5	432.0	432.0
122.5°	450.0	450.0	453.0	453.0	456.0	456.0	459.0	457.5
125°	493.5	487.5	489.0	484.5	486.0	486.0	486.0	484.5
127.5°	552.0	538.5	537.0	531.0	526.5	525.0	522.0	520.5
130°	625.5	604.5	598.5	591.0	583.5	579.0	570.0	571.5
132.5°	711.0	684.0	676.5	667.5	657.0	646.5	640.5	640.5
135°	799.5	772.5	763.5	753.0	741.0	729.0	723.0	723.0
137.5°	885.0	861.0	852.0	843.0	829.5	820.5	808.5	811.5
140°	975.0	948.0	939.0	930.0	921.0	904.5	900.0	904.5
142.5°	1062.0	1033.5	1026.0	1017.0	1008.0	996.0	987.0	991.5
145°	1147.5	1119.0	1111.5	1102.5	1095.0	1078.5	1077.0	1077.0
147.5°	1231.5	1206.0	1198.5	1189.5	1182.0	1170.0	1164.0	1165.5
150°	1311.0	1288.5	1281.0	1272.0	1264.5	1249.5	1245.0	1249.5
152.5°	1387.5	1366.5	1359.0	1350.0	1344.0	1330.5	1327.5	1332.0
155°	1458.0	1437.0	1431.0	1422.0	1417.5	1407.0	1407.0	1408.5
157.5°	1524.0	1507.5	1500.0	1494.0	1489.5	1477.5	1477.5	1482.0
160°	1588.5	1573.5	1569.0	1560.0	1555.5	1546.5	1545.0	1543.5
162.5°	1650.0	1636.5	1630.5	1624.5	1620.0	1612.5	1609.5	1609.5
165°	1699.5	1690.5	1684.5	1681.5	1678.5	1672.5	1669.5	1669.5
167.5°	1753.5	1741.5	1737.0	1731.0	1729.5	1725.0	1723.5	1728.0
170°	1797.0	1791.0	1785.0	1780.5	1777.5	1774.5	1773.0	1777.5
172.5°	1840.5	1834.5	1831.5	1827.0	1825.5	1824.0	1824.0	1828.5
175°	1881.0	1876.5	1872.0	1867.5	1867.5	1864.5	1866.0	1869.0
177.5°	1917.0	1914.0	1912.5	1908.0	1905.0	1902.0	1900.5	1900.5
180°	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0	1947.0

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