

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: P303238

Luminaire Tested: **CTW-F-7525-50L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303238
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-7525-50L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

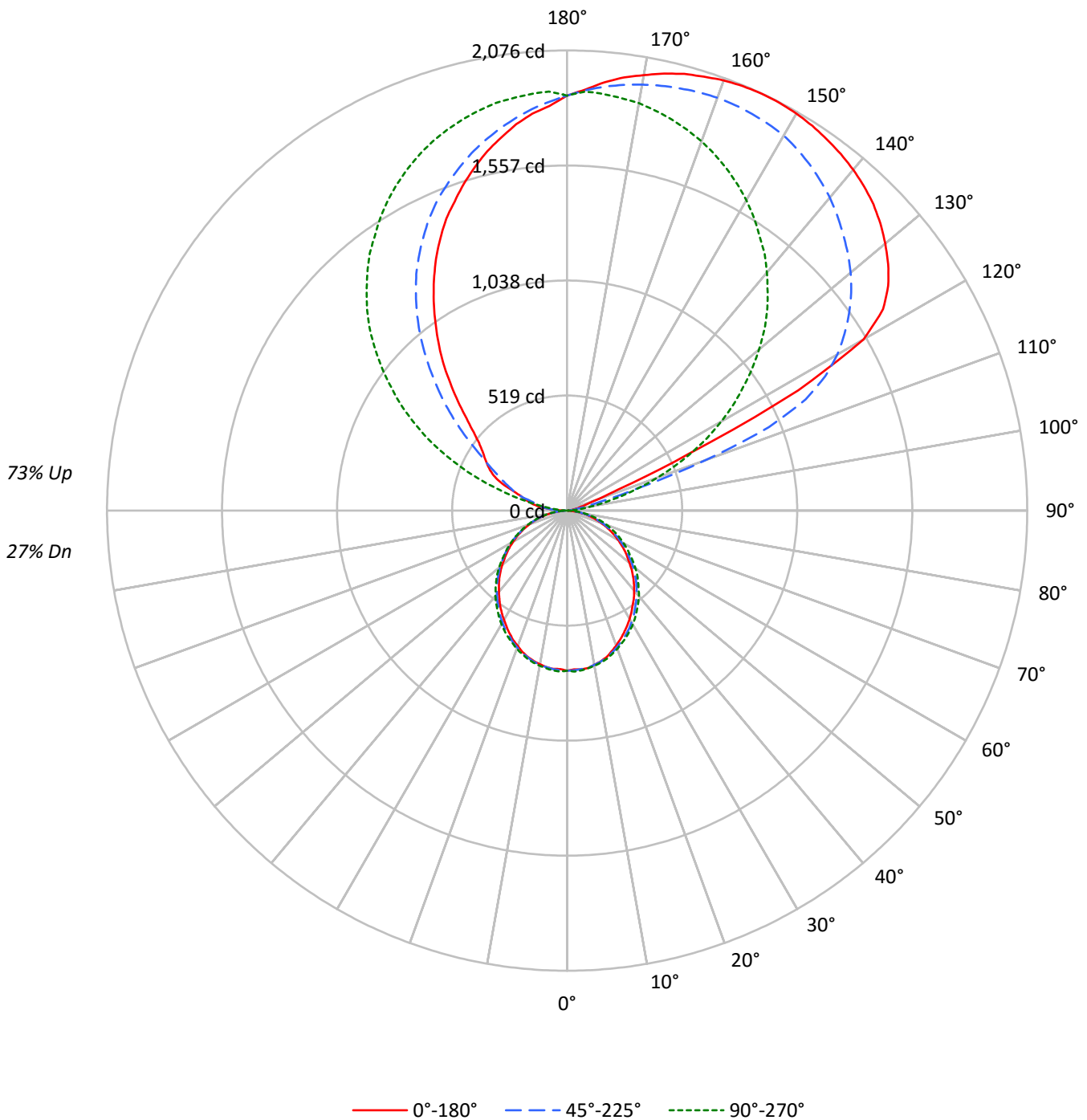
Lumens per Lamp: N/A
Luminaire Lumens: 7210.8 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	10371	10371	10371
5°	10369	10430	10327
10°	10299	10363	10257
15°	10179	10286	10159
20°	9891	10134	9935
25°	9615	9981	9707
30°	9345	9824	9441
35°	9046	9603	9223
40°	8809	9431	8970
45°	8549	9192	8782
50°	8179	8953	8534
55°	7939	8625	8300
60°	7618	8445	8074
65°	7298	8228	7838
70°	6840	7990	7566
75°	6316	7758	7198
80°	5248	7149	6554
85°	2849	6406	4989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	0.9
10°-20°	192.9	2.7
20°-30°	284.8	3.9
30°-40°	334.1	4.6
40°-50°	338.9	4.7
50°-60°	300.3	4.2
60°-70°	229.8	3.2
70°-80°	136.4	1.9
80°-90°	37.8	0.5
90°-100°	52.8	0.7
100°-110°	224.2	3.1
110°-120°	638.0	8.8
120°-130°	932.4	12.9
130°-140°	1006.0	14.0
140°-150°	957.6	13.3
150°-160°	785.7	10.9
160°-170°	513.1	7.1
170°-180°	177.8	2.5
0°-30°	545.9	7.6
0°-40°	880.0	12.2
0°-60°	1519.2	21.1
0°-90°	1923.2	26.7
90°-120°	914.9	12.7
90°-150°	3811.0	52.9
90°-180°	5288.0	73.3
0°-180°	7210.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	723	723	723	723	723	
5°	720	718	724	718	717	68
15°	685	686	692	686	684	192
25°	607	622	630	622	613	280
35°	516	535	548	538	526	324
45°	421	438	453	444	433	324
55°	317	332	345	343	332	283
65°	215	226	242	238	231	212
75°	114	121	140	134	130	120
85°	17	26	39	35	30	25
90°	3	3	1	10	16	2
95°	13	16	39	72	69	14
105°	62	157	252	174	196	72
115°	603	1187	620	322	361	701
125°	1768	1553	969	531	466	1566
135°	1954	1761	1276	858	695	1508
145°	2044	1907	1513	1190	1036	1282
155°	2076	1974	1702	1464	1354	959
165°	2039	1972	1826	1669	1605	578
175°	1940	1920	1886	1819	1797	187
180°	1872	1872	1872	1872	1872	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6
2.5°	716.8	716.8	718.3	721.2	721.2	721.2	722.6	724.0	722.6	725.5	721.2
5°	719.7	718.3	718.3	718.3	718.3	719.7	719.7	721.2	719.7	722.6	718.3
7.5°	716.8	715.4	715.4	713.9	712.5	712.5	713.9	715.4	713.9	716.8	713.9
10°	706.7	705.3	706.7	705.3	705.3	706.7	706.7	706.7	708.2	709.6	706.7
12.5°	696.6	696.6	695.2	695.2	695.2	695.2	696.6	698.1	698.1	699.5	698.1
15°	685.1	682.2	683.7	685.1	683.7	685.1	685.1	686.5	686.5	688.0	686.5
17.5°	666.3	666.3	667.8	669.2	669.2	669.2	670.7	670.7	672.1	673.6	672.1
20°	647.6	647.6	647.6	650.5	650.5	650.5	651.9	653.4	654.8	656.3	656.3
22.5°	627.4	627.4	627.4	630.3	630.3	630.3	633.2	634.6	636.1	637.5	638.9
25°	607.2	607.2	608.7	610.1	610.1	610.1	613.0	614.4	615.9	617.3	621.6
27.5°	585.6	585.6	587.0	588.5	589.9	591.3	592.8	594.2	597.1	598.6	602.9
30°	563.9	562.5	563.9	566.8	568.3	568.3	571.2	572.6	575.5	576.9	581.3
32.5°	540.9	539.4	540.9	543.8	545.2	545.2	548.1	549.5	552.4	553.8	559.6
35°	516.3	516.3	519.2	519.2	520.7	522.1	523.6	526.4	529.3	530.8	535.1
37.5°	494.7	493.3	496.2	496.2	497.6	499.0	500.5	503.4	506.3	509.1	512.0
40°	470.2	467.3	470.2	471.6	473.1	474.5	476.0	477.4	481.7	484.6	487.5
42.5°	445.7	442.8	445.7	447.1	450.0	450.0	450.0	452.9	457.2	460.1	463.0
45°	421.2	418.3	421.2	421.2	424.0	425.5	425.5	426.9	431.3	434.1	438.5
47.5°	395.2	395.2	396.6	398.1	399.5	399.5	401.0	402.4	405.3	411.1	412.5
50°	366.3	366.3	367.8	370.7	372.1	375.0	375.0	376.4	379.3	383.7	386.5
52.5°	341.8	340.4	341.8	343.3	344.7	346.2	346.2	347.6	350.5	354.8	357.7
55°	317.3	317.3	317.3	318.8	320.2	320.2	321.6	323.1	324.5	327.4	331.7
57.5°	291.3	291.3	292.8	292.8	294.2	294.2	295.7	297.1	298.6	301.4	305.8
60°	265.4	266.8	265.4	266.8	268.3	268.3	269.7	271.2	272.6	275.5	279.8
62.5°	240.9	240.9	240.9	240.9	242.3	242.3	243.8	245.2	248.1	249.5	252.4
65°	214.9	214.9	214.9	214.9	217.8	217.8	217.8	220.7	222.1	222.1	226.4
67.5°	188.9	190.4	188.9	190.4	191.8	191.8	191.8	194.7	196.2	197.6	199.0
70°	163.0	164.4	164.4	164.4	165.9	165.9	165.9	168.8	170.2	171.6	173.1
72.5°	138.5	138.5	139.9	139.9	139.9	139.9	141.3	142.8	144.2	145.7	147.1
75°	113.9	113.9	113.9	113.9	115.4	115.4	115.4	118.3	119.7	121.2	121.2
77.5°	88.0	89.4	88.0	88.0	89.4	89.4	90.9	92.3	93.8	96.6	98.1
80°	63.5	63.5	64.9	64.9	66.3	64.9	66.3	67.8	69.2	72.1	72.1
82.5°	40.4	40.4	40.4	41.8	41.8	43.3	43.3	43.3	44.7	47.6	49.0
85°	17.3	17.3	17.3	17.3	20.2	20.2	20.2	21.6	23.1	24.5	26.0
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3
90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	14.4	14.4	15.9
97.5°	20.2	20.2	20.2	20.2	20.2	21.6	21.6	23.1	24.5	26.0	28.8
100°	30.3	30.3	31.7	31.7	31.7	33.2	33.2	36.1	38.9	43.3	50.5
102.5°	44.7	43.3	44.7	44.7	46.2	47.6	49.0	53.4	59.1	69.2	85.1
105°	62.0	60.6	62.0	63.5	66.3	69.2	72.1	80.8	93.8	116.8	157.2
107.5°	88.0	86.5	89.4	93.8	99.5	106.7	113.9	129.8	170.2	235.1	331.7
110°	129.8	135.6	141.3	154.3	173.1	193.3	206.3	275.5	360.6	500.5	660.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	249.5	268.3	285.6	328.8	389.4	445.7	478.8	633.2	763.0	900.0	985.1
115°	602.9	647.6	662.0	771.6	863.9	940.4	973.6	1100.5	1156.7	1184.1	1187.0
117.5°	1175.5	1217.3	1217.3	1282.2	1334.1	1358.7	1361.5	1374.5	1364.4	1347.1	1312.5
120°	1543.3	1546.2	1551.9	1550.5	1551.9	1549.0	1538.9	1520.2	1485.6	1449.5	1407.7
122.5°	1690.4	1687.5	1683.2	1670.2	1655.8	1647.1	1631.3	1603.8	1569.2	1527.4	1484.1
125°	1768.3	1763.9	1758.2	1745.2	1726.4	1719.2	1700.5	1670.2	1635.6	1595.2	1553.4
127.5°	1826.0	1821.6	1814.4	1802.9	1784.1	1775.5	1758.2	1726.4	1693.3	1657.2	1615.4
130°	1873.6	1869.2	1862.0	1854.8	1837.5	1826.0	1810.1	1778.4	1748.1	1710.6	1670.2
132.5°	1916.8	1911.1	1903.8	1898.1	1880.8	1872.1	1854.8	1826.0	1795.7	1759.6	1717.8
135°	1954.3	1947.1	1938.5	1932.7	1916.8	1906.7	1890.9	1864.9	1836.1	1801.4	1761.1
137.5°	1983.2	1976.0	1968.8	1960.1	1947.1	1932.7	1924.0	1901.0	1872.1	1840.4	1804.3
140°	2007.7	2001.9	1994.7	1988.9	1974.5	1960.1	1951.4	1931.3	1903.8	1876.4	1843.3
142.5°	2027.9	2023.6	2016.3	2009.1	1996.2	1983.2	1976.0	1957.2	1935.6	1906.7	1876.4
145°	2043.8	2039.4	2033.7	2027.9	2014.9	2004.8	1996.2	1983.2	1961.5	1932.7	1906.7
147.5°	2058.2	2053.8	2049.5	2043.8	2030.8	2023.6	2016.3	2001.9	1980.3	1954.3	1932.7
150°	2068.3	2063.9	2059.6	2055.3	2042.3	2035.1	2030.8	2016.3	1997.6	1971.6	1954.3
152.5°	2074.0	2069.7	2065.4	2062.5	2049.5	2042.3	2038.0	2025.0	2006.3	1983.2	1965.9
155°	2075.5	2072.6	2068.3	2063.9	2051.0	2042.3	2040.9	2027.9	2012.0	1990.4	1974.5
157.5°	2072.6	2068.3	2063.9	2059.6	2046.6	2040.9	2038.0	2027.9	2013.5	1996.2	1980.3
160°	2065.4	2061.1	2059.6	2053.8	2043.8	2039.4	2036.5	2027.9	2014.9	1999.0	1981.7
162.5°	2052.4	2051.0	2049.5	2045.2	2038.0	2033.7	2032.2	2023.6	2010.6	1997.6	1978.8
165°	2039.4	2036.5	2033.7	2029.3	2023.6	2020.7	2017.8	2012.0	1999.0	1990.4	1971.6
167.5°	2019.2	2014.9	2012.0	2007.7	2000.5	2001.9	1999.0	1996.2	1986.1	1981.7	1963.0
170°	1994.7	1993.3	1988.9	1986.1	1981.7	1983.2	1981.7	1978.8	1970.2	1967.3	1951.4
172.5°	1971.6	1967.3	1965.9	1963.0	1958.7	1957.2	1958.7	1955.8	1951.4	1952.9	1937.0
175°	1939.9	1935.6	1935.6	1932.7	1929.8	1931.3	1932.7	1934.1	1928.4	1934.1	1919.7
177.5°	1901.0	1898.1	1901.0	1903.8	1902.4	1905.3	1906.7	1908.2	1905.3	1911.1	1898.1
180°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6
2.5°	718.3	718.3	718.3	718.3	718.3	718.3	718.3	721.2	725.5	726.9	725.5
5°	715.4	716.8	715.4	716.8	716.8	716.8	716.8	719.7	722.6	724.0	722.6
7.5°	711.1	712.5	711.1	711.1	712.5	711.1	712.5	713.9	716.8	718.3	716.8
10°	703.8	703.8	703.8	705.3	705.3	705.3	705.3	708.2	711.1	711.1	709.6
12.5°	693.8	695.2	695.2	696.6	696.6	695.2	696.6	699.5	701.0	702.4	701.0
15°	683.7	683.7	683.7	685.1	685.1	685.1	685.1	688.0	690.9	692.3	690.9
17.5°	667.8	669.2	669.2	670.7	670.7	672.1	670.7	675.0	676.4	677.9	676.4
20°	653.4	653.4	654.8	654.8	656.3	656.3	656.3	659.1	662.0	663.5	662.0
22.5°	636.1	637.5	637.5	638.9	640.4	638.9	640.4	643.3	644.7	646.2	646.2
25°	617.3	618.8	618.8	621.6	621.6	621.6	621.6	624.5	627.4	630.3	628.8
27.5°	598.6	598.6	600.0	602.9	602.9	604.3	604.3	607.2	610.1	611.5	610.1
30°	578.4	578.4	579.8	581.3	582.7	582.7	584.1	587.0	589.9	592.8	589.9
32.5°	558.2	556.7	559.6	561.1	562.5	562.5	562.5	566.8	568.3	571.2	569.7
35°	535.1	533.7	536.5	538.0	539.4	539.4	542.3	543.8	546.6	548.1	546.6
37.5°	513.5	512.0	514.9	516.3	516.3	517.8	519.2	522.1	525.0	526.4	526.4
40°	490.4	488.9	490.4	493.3	493.3	494.7	496.2	497.6	499.0	503.4	501.9
42.5°	467.3	465.9	467.3	468.8	470.2	470.2	473.1	473.1	477.4	477.4	477.4
45°	439.9	441.3	442.8	445.7	445.7	444.2	447.1	448.6	452.9	452.9	451.4
47.5°	415.4	416.8	416.8	421.2	421.2	419.7	422.6	424.0	426.9	428.4	426.9
50°	389.4	390.9	392.3	395.2	395.2	395.2	396.6	399.5	401.0	401.0	401.0
52.5°	359.1	360.6	363.5	367.8	367.8	367.8	370.7	370.7	373.6	373.6	375.0
55°	333.2	334.6	337.5	340.4	340.4	341.8	343.3	344.7	346.2	344.7	346.2
57.5°	307.2	310.1	313.0	314.4	314.4	315.9	317.3	318.8	320.2	320.2	320.2
60°	281.3	282.7	284.1	288.5	288.5	289.9	291.3	292.8	292.8	294.2	294.2
62.5°	255.3	258.2	259.6	261.1	263.9	262.5	265.4	265.4	266.8	268.3	268.3
65°	227.9	229.3	232.2	235.1	235.1	236.5	239.4	239.4	240.9	242.3	242.3
67.5°	201.9	206.3	206.3	209.1	210.6	210.6	212.0	214.9	214.9	216.3	216.3
70°	174.5	178.8	180.3	181.7	183.2	184.6	186.1	187.5	188.9	190.4	190.4
72.5°	150.0	152.9	154.3	155.8	157.2	157.2	160.1	160.1	163.0	164.4	164.4
75°	122.6	125.5	126.9	129.8	131.3	132.7	134.1	134.1	137.0	139.9	138.5
77.5°	99.5	101.0	102.4	103.8	105.3	106.7	108.2	109.6	111.1	112.5	112.5
80°	75.0	76.4	76.4	79.3	80.8	82.2	83.7	85.1	85.1	86.5	88.0
82.5°	50.5	51.9	53.4	54.8	56.3	57.7	59.1	60.6	60.6	62.0	62.0
85°	27.4	28.8	30.3	31.7	33.2	34.6	36.1	37.5	37.5	38.9	38.9
87.5°	5.8	7.2	8.7	10.1	11.5	13.0	14.4	15.9	15.9	17.3	17.3
90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4
92.5°	7.2	8.7	8.7	11.5	13.0	14.4	17.3	20.2	17.3	14.4	15.9
95°	17.3	21.6	26.0	34.6	40.4	46.2	54.8	54.8	44.7	38.9	36.1
97.5°	34.6	43.3	57.7	77.9	90.9	99.5	109.6	103.8	86.5	72.1	64.9
100°	62.0	83.7	111.1	155.8	174.5	184.6	187.5	171.6	142.8	119.7	103.8
102.5°	111.1	161.5	223.6	279.8	297.1	300.0	281.3	252.4	213.5	178.8	154.3
105°	220.7	318.8	396.6	444.2	450.0	439.9	396.6	350.5	298.6	252.4	214.9
107.5°	465.9	566.8	607.2	610.1	597.1	572.6	517.8	464.4	392.3	336.1	287.0
110°	771.6	806.3	788.9	754.3	728.4	689.4	626.0	566.8	490.4	431.3	372.1



TEST NUMBER: P303238

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	998.1	980.8	934.6	872.6	836.5	801.9	735.6	670.7	588.5	526.4	463.0
115°	1152.4	1106.3	1047.1	977.9	937.5	905.8	839.4	761.5	683.7	620.2	553.8
117.5°	1263.5	1201.4	1140.9	1076.0	1038.5	1002.4	934.6	858.2	776.0	713.9	646.2
120°	1348.6	1289.4	1226.0	1163.9	1125.0	1094.7	1026.9	946.2	868.3	800.5	739.9
122.5°	1426.4	1365.9	1306.7	1247.6	1213.0	1178.4	1104.8	1026.9	951.9	889.9	826.4
125°	1497.1	1436.5	1380.3	1324.0	1286.5	1250.5	1178.4	1106.3	1034.1	969.2	913.0
127.5°	1562.0	1505.8	1448.1	1394.7	1355.8	1319.7	1250.5	1179.8	1114.9	1051.4	995.2
130°	1619.7	1569.2	1513.0	1459.6	1419.2	1384.6	1318.3	1251.9	1189.9	1129.3	1071.6
132.5°	1673.1	1625.5	1572.1	1514.4	1475.5	1445.2	1383.2	1319.7	1263.5	1207.2	1148.1
135°	1723.6	1673.1	1621.2	1564.9	1528.8	1501.4	1439.4	1380.3	1328.4	1276.4	1221.6
137.5°	1771.2	1713.5	1664.4	1609.6	1577.9	1551.9	1495.7	1440.9	1391.8	1338.5	1289.4
140°	1807.2	1752.4	1701.9	1650.0	1624.0	1601.0	1546.2	1495.7	1451.0	1401.9	1354.3
142.5°	1838.9	1784.1	1739.4	1688.9	1664.4	1644.2	1593.8	1547.6	1507.2	1462.5	1414.9
145°	1863.5	1813.0	1772.6	1726.4	1704.8	1684.6	1635.6	1595.2	1557.7	1513.0	1471.2
147.5°	1886.5	1840.4	1802.9	1759.6	1742.3	1722.1	1677.4	1641.3	1606.7	1567.8	1526.0
150°	1905.3	1864.9	1828.8	1789.9	1774.0	1755.3	1714.9	1681.7	1650.0	1616.8	1577.9
152.5°	1919.7	1885.1	1853.4	1817.3	1802.9	1785.6	1751.0	1722.1	1693.3	1661.5	1625.5
155°	1929.8	1902.4	1873.6	1843.3	1827.4	1814.4	1781.3	1756.7	1732.2	1701.9	1668.8
157.5°	1939.9	1915.4	1886.5	1860.6	1849.0	1834.6	1807.2	1787.0	1765.4	1739.4	1709.1
160°	1944.2	1924.0	1898.1	1876.4	1866.3	1854.8	1828.8	1813.0	1794.2	1772.6	1745.2
162.5°	1945.7	1928.4	1906.7	1889.4	1880.8	1870.7	1847.6	1834.6	1820.2	1801.4	1775.5
165°	1945.7	1931.3	1913.9	1899.5	1892.3	1883.7	1863.5	1853.4	1840.4	1826.0	1802.9
167.5°	1941.3	1929.8	1915.4	1903.8	1898.1	1889.4	1875.0	1869.2	1859.1	1847.6	1828.8
170°	1934.1	1925.5	1913.9	1906.7	1901.0	1893.8	1883.7	1879.3	1875.0	1866.3	1847.6
172.5°	1924.0	1916.8	1908.2	1903.8	1901.0	1895.2	1885.1	1886.5	1883.7	1876.4	1863.5
175°	1909.6	1905.3	1901.0	1898.1	1895.2	1890.9	1885.1	1888.0	1889.4	1886.5	1875.0
177.5°	1890.9	1889.4	1888.0	1888.0	1883.7	1883.7	1880.8	1886.5	1892.3	1892.3	1883.7
180°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1



TEST NUMBER: P303238

CATALOG NUMBER: CTW-F-7525-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6
2.5°	722.6	719.7	718.3	718.3	718.3	716.8	716.8	718.3	721.2	725.5	721.2
5°	721.2	716.8	716.8	716.8	716.8	715.4	713.9	715.4	718.3	722.6	718.3
7.5°	715.4	712.5	711.1	711.1	711.1	709.6	709.6	709.6	712.5	716.8	712.5
10°	708.2	705.3	705.3	705.3	703.8	702.4	702.4	702.4	706.7	709.6	705.3
12.5°	699.5	696.6	696.6	695.2	695.2	693.8	692.3	693.8	698.1	699.5	696.6
15°	688.0	685.1	685.1	685.1	683.7	683.7	682.2	682.2	686.5	688.0	685.1
17.5°	675.0	672.1	670.7	672.1	670.7	669.2	669.2	669.2	672.1	673.6	669.2
20°	659.1	656.3	656.3	654.8	654.8	653.4	653.4	653.4	657.7	656.3	653.4
22.5°	643.3	640.4	640.4	638.9	638.9	637.5	636.1	636.1	641.8	637.5	636.1
25°	626.0	623.1	623.1	621.6	620.2	618.8	618.8	618.8	621.6	618.8	617.3
27.5°	608.7	605.8	605.8	604.3	602.9	600.0	600.0	600.0	604.3	600.0	600.0
30°	587.0	585.6	585.6	584.1	581.3	579.8	579.8	581.3	584.1	579.8	578.4
32.5°	566.8	563.9	563.9	563.9	561.1	559.6	559.6	561.1	562.5	558.2	556.7
35°	543.8	542.3	542.3	540.9	538.0	538.0	536.5	538.0	538.0	535.1	533.7
37.5°	522.1	520.7	519.2	519.2	516.3	516.3	516.3	517.8	516.3	513.5	512.0
40°	499.0	497.6	496.2	494.7	493.3	493.3	493.3	496.2	493.3	490.4	488.9
42.5°	476.0	474.5	473.1	471.6	470.2	470.2	470.2	471.6	468.8	467.3	465.9
45°	450.0	450.0	448.6	447.1	447.1	447.1	445.7	447.1	444.2	442.8	439.9
47.5°	425.5	425.5	424.0	424.0	422.6	422.6	422.6	422.6	419.7	419.7	416.8
50°	401.0	399.5	398.1	399.5	399.5	398.1	398.1	396.6	395.2	395.2	390.9
52.5°	373.6	375.0	370.7	372.1	373.6	370.7	370.7	369.2	369.2	366.3	363.5
55°	346.2	346.2	346.2	346.2	347.6	344.7	343.3	341.8	343.3	340.4	337.5
57.5°	320.2	320.2	320.2	320.2	321.6	318.8	317.3	318.8	317.3	314.4	313.0
60°	295.7	294.2	294.2	294.2	295.7	292.8	292.8	291.3	291.3	287.0	287.0
62.5°	269.7	268.3	269.7	268.3	269.7	268.3	265.4	266.8	265.4	262.5	261.1
65°	243.8	242.3	243.8	242.3	242.3	240.9	239.4	239.4	238.0	236.5	235.1
67.5°	217.8	216.3	216.3	216.3	217.8	214.9	216.3	213.5	212.0	212.0	209.1
70°	190.4	190.4	190.4	188.9	190.4	187.5	187.5	187.5	186.1	184.6	183.2
72.5°	165.9	164.4	164.4	163.0	164.4	163.0	161.5	161.5	160.1	160.1	158.7
75°	138.5	138.5	138.5	138.5	138.5	137.0	135.6	135.6	134.1	134.1	132.7
77.5°	112.5	112.5	112.5	112.5	112.5	112.5	109.6	109.6	109.6	109.6	106.7
80°	88.0	88.0	88.0	86.5	88.0	86.5	85.1	85.1	85.1	83.7	82.2
82.5°	63.5	63.5	63.5	62.0	63.5	62.0	62.0	60.6	59.1	59.1	56.3
85°	38.9	40.4	40.4	38.9	38.9	38.9	38.9	36.1	34.6	34.6	33.2
87.5°	17.3	17.3	17.3	15.9	15.9	15.9	14.4	14.4	13.0	13.0	13.0
90°	2.9	4.3	5.8	7.2	7.2	8.7	10.1	10.1	10.1	10.1	11.5
92.5°	23.1	30.3	31.7	34.6	33.2	34.6	34.6	33.2	34.6	31.7	33.2
95°	40.4	46.2	56.3	62.0	66.3	73.6	76.4	75.0	72.1	70.7	72.1
97.5°	63.5	69.2	73.6	75.0	77.9	88.0	98.1	105.3	111.1	113.9	116.8
100°	98.1	93.8	99.5	103.8	106.7	105.3	109.6	118.3	125.5	131.3	137.0
102.5°	141.3	129.8	125.5	128.4	132.7	141.3	141.3	139.9	142.8	147.1	155.8
105°	191.8	176.0	164.4	163.0	163.0	168.8	178.8	183.2	174.5	174.5	177.4
107.5°	253.8	227.9	210.6	204.8	203.4	200.5	207.7	219.2	226.4	225.0	216.3
110°	324.5	289.9	265.4	255.3	249.5	240.9	242.3	246.6	255.3	266.8	274.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	408.2	364.9	327.4	314.4	300.0	288.5	279.8	281.3	285.6	294.2	304.3
115°	496.2	447.1	399.5	382.2	364.9	338.9	324.5	320.2	321.6	324.5	330.3
117.5°	585.6	532.2	478.8	457.2	437.0	406.7	379.3	364.9	359.1	357.7	363.5
120°	676.4	617.3	565.4	540.9	516.3	481.7	445.7	418.3	406.7	398.1	398.1
122.5°	765.9	708.2	650.5	626.0	598.6	558.2	519.2	484.6	461.5	444.2	437.0
125°	851.0	797.6	737.0	713.9	685.1	640.4	597.1	561.1	530.8	503.4	486.1
127.5°	934.6	882.7	822.1	799.0	773.1	725.5	685.1	641.8	610.1	575.5	549.5
130°	1016.8	964.9	907.2	884.1	859.6	813.5	765.9	724.0	692.3	657.7	628.8
132.5°	1094.7	1042.8	990.9	964.9	940.4	897.1	851.0	809.1	774.5	741.3	713.9
135°	1171.2	1116.3	1067.3	1042.8	1018.3	977.9	934.6	895.7	858.2	823.6	796.2
137.5°	1240.4	1189.9	1142.3	1117.8	1094.7	1055.8	1018.3	982.2	944.7	908.7	878.4
140°	1306.7	1257.7	1213.0	1191.3	1168.3	1129.3	1096.2	1064.4	1029.8	988.0	962.0
142.5°	1370.2	1321.2	1282.2	1260.6	1236.1	1202.9	1169.7	1140.9	1112.0	1076.0	1045.7
145°	1429.3	1380.3	1344.2	1325.5	1302.4	1270.7	1238.9	1213.0	1189.9	1153.8	1126.4
147.5°	1485.6	1440.9	1406.3	1386.1	1367.3	1337.0	1306.7	1282.2	1266.3	1230.3	1204.3
150°	1540.4	1494.2	1463.9	1445.2	1426.4	1399.0	1371.6	1348.6	1334.1	1303.8	1279.3
152.5°	1589.4	1547.6	1520.2	1502.9	1485.6	1458.2	1432.2	1410.6	1400.5	1368.8	1354.3
155°	1637.0	1596.6	1572.1	1557.7	1540.4	1510.1	1489.9	1468.3	1463.9	1436.5	1416.3
157.5°	1678.8	1642.8	1618.3	1603.8	1589.4	1563.5	1543.3	1526.0	1521.6	1497.1	1478.4
160°	1714.9	1683.2	1661.5	1650.0	1637.0	1611.1	1592.3	1577.9	1572.1	1554.8	1537.5
162.5°	1751.0	1720.7	1701.9	1690.4	1680.3	1655.8	1639.9	1625.5	1621.2	1609.6	1592.3
165°	1781.3	1753.8	1736.5	1727.9	1719.2	1697.6	1683.2	1670.2	1668.8	1660.1	1641.3
167.5°	1808.7	1784.1	1769.7	1762.5	1753.8	1735.1	1723.6	1712.0	1710.6	1709.1	1688.9
170°	1830.3	1810.1	1797.1	1791.3	1785.6	1768.3	1758.2	1749.5	1749.5	1751.0	1733.7
172.5°	1849.0	1831.7	1823.1	1815.9	1813.0	1797.1	1789.9	1782.7	1785.6	1788.5	1772.6
175°	1863.5	1849.0	1840.4	1837.5	1834.6	1821.6	1817.3	1814.4	1818.8	1824.5	1808.7
177.5°	1876.4	1863.5	1859.1	1856.3	1854.8	1844.7	1843.3	1840.4	1846.2	1854.8	1841.8
180°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1



TEST NUMBER: P303238

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	722.6	722.6	722.6	722.6	722.6	722.6	722.6	722.6
2.5°	722.6	722.6	722.6	721.2	719.7	718.3	715.4	715.4
5°	719.7	719.7	718.3	718.3	716.8	716.8	715.4	716.8
7.5°	713.9	713.9	712.5	712.5	712.5	712.5	711.1	712.5
10°	706.7	706.7	703.8	703.8	703.8	703.8	703.8	703.8
12.5°	696.6	695.2	695.2	693.8	693.8	695.2	695.2	695.2
15°	685.1	685.1	683.7	682.2	683.7	683.7	683.7	683.7
17.5°	670.7	669.2	669.2	667.8	669.2	669.2	667.8	669.2
20°	653.4	651.9	651.9	650.5	651.9	650.5	650.5	650.5
22.5°	634.6	633.2	633.2	631.7	633.2	633.2	633.2	633.2
25°	615.9	614.4	613.0	613.0	613.0	613.0	613.0	613.0
27.5°	597.1	595.7	594.2	594.2	594.2	592.8	592.8	591.3
30°	575.5	575.5	572.6	572.6	572.6	571.2	571.2	569.7
32.5°	555.3	553.8	552.4	551.0	551.0	549.5	548.1	548.1
35°	532.2	530.8	529.3	527.9	527.9	526.4	525.0	526.4
37.5°	510.6	509.1	506.3	506.3	506.3	503.4	503.4	501.9
40°	486.1	483.2	483.2	483.2	481.7	480.3	480.3	478.8
42.5°	461.5	460.1	458.7	458.7	458.7	455.8	455.8	455.8
45°	438.5	437.0	437.0	434.1	434.1	431.3	431.3	432.7
47.5°	412.5	412.5	412.5	411.1	409.6	408.2	408.2	408.2
50°	388.0	388.0	385.1	385.1	385.1	383.7	382.2	382.2
52.5°	360.6	359.1	359.1	357.7	356.3	356.3	356.3	356.3
55°	334.6	334.6	334.6	333.2	331.7	331.7	330.3	331.7
57.5°	310.1	310.1	310.1	308.7	307.2	307.2	305.8	307.2
60°	285.6	284.1	284.1	282.7	281.3	282.7	281.3	281.3
62.5°	259.6	258.2	259.6	258.2	256.7	255.3	255.3	256.7
65°	235.1	233.7	233.7	232.2	230.8	230.8	230.8	230.8
67.5°	209.1	207.7	207.7	206.3	206.3	206.3	206.3	206.3
70°	183.2	181.7	181.7	180.3	180.3	180.3	180.3	180.3
72.5°	158.7	157.2	157.2	155.8	155.8	155.8	155.8	155.8
75°	132.7	131.3	131.3	131.3	131.3	129.8	129.8	129.8
77.5°	108.2	106.7	106.7	106.7	105.3	105.3	105.3	105.3
80°	83.7	82.2	82.2	82.2	80.8	80.8	80.8	79.3
82.5°	57.7	56.3	56.3	57.7	54.8	56.3	54.8	54.8
85°	33.2	31.7	31.7	31.7	31.7	31.7	31.7	30.3
87.5°	13.0	11.5	11.5	13.0	11.5	13.0	13.0	13.0
90°	11.5	11.5	13.0	13.0	14.4	14.4	15.9	15.9
92.5°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
95°	70.7	70.7	70.7	70.7	70.7	70.7	70.7	69.2
97.5°	118.3	116.8	116.8	116.8	116.8	115.4	113.9	113.9
100°	141.3	145.7	147.1	148.6	150.0	151.4	152.9	151.4
102.5°	161.5	164.4	165.9	167.3	168.8	170.2	171.6	171.6
105°	180.3	181.7	183.2	186.1	190.4	194.7	196.2	196.2
107.5°	216.3	216.3	217.8	219.2	217.8	219.2	219.2	219.2
110°	274.0	265.4	263.9	261.1	256.7	258.2	258.2	258.2



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	311.5	317.3	320.2	320.2	320.2	321.6	317.3	315.9
115°	340.4	346.2	349.0	350.5	354.8	359.1	360.6	360.6
117.5°	369.2	376.4	379.3	380.8	385.1	389.4	390.9	390.9
120°	401.0	403.8	406.7	406.7	411.1	413.9	415.4	415.4
122.5°	432.7	432.7	435.6	435.6	438.5	438.5	441.3	439.9
125°	474.5	468.8	470.2	465.9	467.3	467.3	467.3	465.9
127.5°	530.8	517.8	516.3	510.6	506.3	504.8	501.9	500.5
130°	601.4	581.3	575.5	568.3	561.1	556.7	548.1	549.5
132.5°	683.7	657.7	650.5	641.8	631.7	621.6	615.9	615.9
135°	768.8	742.8	734.1	724.0	712.5	701.0	695.2	695.2
137.5°	851.0	827.9	819.2	810.6	797.6	788.9	777.4	780.3
140°	937.5	911.5	902.9	894.2	885.6	869.7	865.4	869.7
142.5°	1021.2	993.8	986.5	977.9	969.2	957.7	949.0	953.4
145°	1103.4	1076.0	1068.8	1060.1	1052.9	1037.0	1035.6	1035.6
147.5°	1184.1	1159.6	1152.4	1143.8	1136.5	1125.0	1119.2	1120.7
150°	1260.6	1238.9	1231.7	1223.1	1215.9	1201.4	1197.1	1201.4
152.5°	1334.1	1313.9	1306.7	1298.1	1292.3	1279.3	1276.4	1280.8
155°	1401.9	1381.7	1376.0	1367.3	1363.0	1352.9	1352.9	1354.3
157.5°	1465.4	1449.5	1442.3	1436.5	1432.2	1420.7	1420.7	1425.0
160°	1527.4	1513.0	1508.7	1500.0	1495.7	1487.0	1485.6	1484.1
162.5°	1586.5	1573.6	1567.8	1562.0	1557.7	1550.5	1547.6	1547.6
165°	1634.1	1625.5	1619.7	1616.8	1613.9	1608.2	1605.3	1605.3
167.5°	1686.1	1674.5	1670.2	1664.4	1663.0	1658.7	1657.2	1661.5
170°	1727.9	1722.1	1716.3	1712.0	1709.1	1706.3	1704.8	1709.1
172.5°	1769.7	1763.9	1761.1	1756.7	1755.3	1753.8	1753.8	1758.2
175°	1808.7	1804.3	1800.0	1795.7	1795.7	1792.8	1794.2	1797.1
177.5°	1843.3	1840.4	1838.9	1834.6	1831.7	1828.8	1827.4	1827.4
180°	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1	1872.1

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