

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: P303227

Luminaire Tested: **CTW-F-7525-40L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303227
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-7525-40L830-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

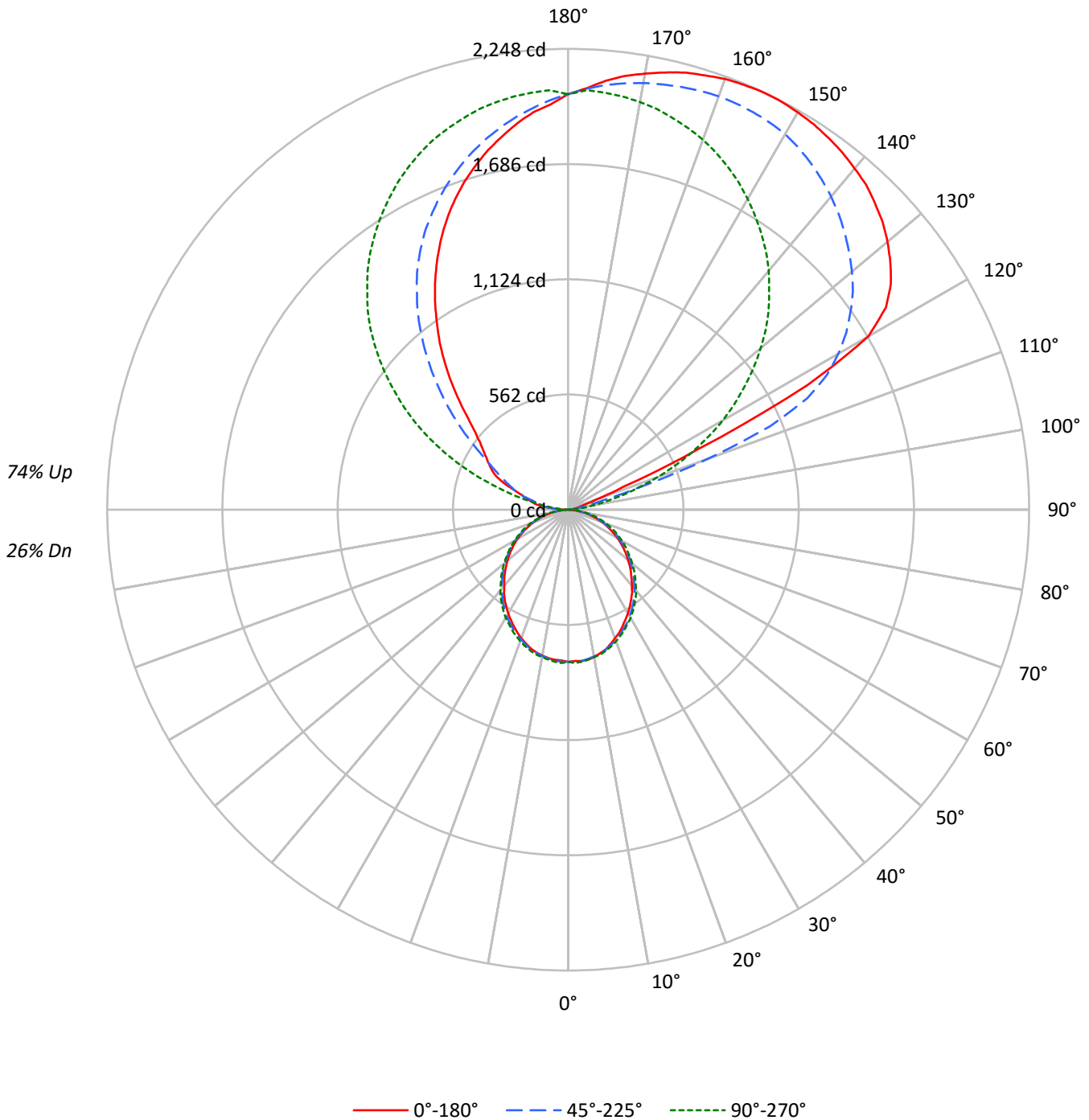
Lumens per Lamp: N/A
Luminaire Lumens: 7698.6 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	7990	7990	7990
5°	8000	8041	7937
10°	7966	7988	7903
15°	7865	7929	7822
20°	7644	7820	7644
25°	7445	7697	7445
30°	7242	7577	7266
35°	7025	7405	7076
40°	6783	7242	6809
45°	6587	7025	6645
50°	6377	6827	6472
55°	6208	6640	6315
60°	6002	6499	6127
65°	5731	6367	5927
70°	5448	6175	5690
75°	5041	5918	5357
80°	4413	5486	4767
85°	2853	4989	3322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	0.9
10°-20°	198.2	2.6
20°-30°	292.7	3.8
30°-40°	343.4	4.5
40°-50°	345.8	4.5
50°-60°	308.3	4.0
60°-70°	236.3	3.1
70°-80°	140.6	1.8
80°-90°	38.8	0.5
90°-100°	56.7	0.7
100°-110°	242.0	3.1
110°-120°	690.6	9.0
120°-130°	1009.8	13.1
130°-140°	1089.5	14.2
140°-150°	1036.8	13.5
150°-160°	850.8	11.1
160°-170°	555.6	7.2
170°-180°	192.5	2.5
0°-30°	561.0	7.3
0°-40°	904.5	11.7
0°-60°	1558.5	20.2
0°-90°	1974.2	25.6
90°-120°	989.3	12.9
90°-150°	4125.5	53.6
90°-180°	5724.0	74.4
0°-180°	7698.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	742	742	742	742	742	
5°	740	740	744	738	735	70
15°	706	708	712	704	702	198
25°	627	640	648	638	627	289
35°	535	554	564	554	538	335
45°	433	450	462	452	436	334
55°	331	344	354	350	336	295
65°	225	236	250	240	233	223
75°	121	129	142	135	129	129
85°	23	29	40	33	27	29
90°	2	2	2	10	17	2
95°	14	17	40	81	75	15
105°	64	173	273	190	212	78
115°	700	1286	669	348	388	789
125°	1921	1681	1052	577	506	1702
135°	2115	1908	1383	931	750	1634
145°	2214	2064	1642	1286	1117	1388
155°	2248	2138	1844	1583	1464	1039
165°	2208	2135	1977	1806	1740	626
175°	2100	2079	2042	1967	1946	202
180°	2027	2027	2027	2027	2027	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	738.5	736.5	740.4	742.3	742.3	744.2	744.2	744.2	744.2	746.2	742.3
5°	740.4	740.4	740.4	740.4	738.5	740.4	740.4	742.3	742.3	744.2	740.4
7.5°	738.5	736.5	736.5	736.5	734.6	734.6	736.5	736.5	734.6	738.5	734.6
10°	728.8	728.8	726.9	726.9	726.9	726.9	726.9	728.8	728.8	730.8	726.9
12.5°	717.3	717.3	717.3	717.3	715.4	715.4	717.3	719.2	719.2	721.2	719.2
15°	705.8	703.8	705.8	707.7	705.8	705.8	705.8	707.7	707.7	709.6	707.7
17.5°	686.5	686.5	688.5	690.4	690.4	688.5	690.4	692.3	692.3	694.2	692.3
20°	667.3	667.3	669.2	671.2	671.2	671.2	673.1	673.1	675.0	675.0	676.9
22.5°	650.0	648.1	650.0	651.9	651.9	650.0	653.8	653.8	655.8	657.7	659.6
25°	626.9	625.0	628.8	630.8	630.8	630.8	632.7	634.6	636.5	638.5	640.4
27.5°	603.8	603.8	605.8	607.7	609.6	609.6	611.5	615.4	615.4	617.3	621.2
30°	582.7	582.7	584.6	586.5	588.5	588.5	588.5	592.3	596.2	596.2	600.0
32.5°	559.6	557.7	559.6	563.5	563.5	563.5	565.4	569.2	571.2	573.1	576.9
35°	534.6	534.6	536.5	538.5	540.4	540.4	542.3	546.2	548.1	550.0	553.8
37.5°	511.5	509.6	511.5	513.5	515.4	515.4	517.3	521.2	523.1	525.0	528.8
40°	482.7	480.8	482.7	484.6	486.5	486.5	488.5	494.2	496.2	498.1	501.9
42.5°	457.7	455.8	457.7	459.6	461.5	463.5	463.5	465.4	469.2	471.2	475.0
45°	432.7	430.8	430.8	434.6	436.5	436.5	438.5	440.4	444.2	446.2	450.0
47.5°	407.7	405.8	407.7	409.6	409.6	411.5	413.5	413.5	417.3	421.2	423.1
50°	380.8	380.8	380.8	382.7	384.6	386.5	386.5	388.5	390.4	394.2	398.1
52.5°	355.8	353.8	355.8	357.7	359.6	359.6	361.5	361.5	363.5	369.2	371.2
55°	330.8	328.8	328.8	330.8	330.8	332.7	334.6	334.6	336.5	340.4	344.2
57.5°	303.8	303.8	303.8	305.8	305.8	305.8	309.6	309.6	311.5	315.4	317.3
60°	278.8	278.8	276.9	278.8	278.8	280.8	282.7	282.7	284.6	286.5	290.4
62.5°	251.9	251.9	250.0	251.9	253.8	253.8	255.8	255.8	257.7	261.5	263.5
65°	225.0	226.9	225.0	225.0	226.9	226.9	228.8	228.8	230.8	232.7	236.5
67.5°	200.0	200.0	198.1	200.0	200.0	201.9	201.9	203.8	203.8	205.8	207.7
70°	173.1	173.1	173.1	173.1	175.0	175.0	176.9	176.9	176.9	178.8	180.8
72.5°	148.1	148.1	146.2	146.2	148.1	150.0	150.0	151.9	151.9	155.8	155.8
75°	121.2	121.2	121.2	121.2	123.1	123.1	123.1	125.0	126.9	126.9	128.8
77.5°	96.2	94.2	96.2	96.2	96.2	96.2	98.1	100.0	100.0	101.9	103.8
80°	71.2	69.2	71.2	71.2	71.2	71.2	73.1	73.1	75.0	76.9	76.9
82.5°	46.2	44.2	46.2	46.2	46.2	46.2	48.1	48.1	50.0	51.9	51.9
85°	23.1	21.2	23.1	23.1	23.1	23.1	23.1	25.0	26.9	26.9	28.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.8	5.8	7.7
90°	1.9	3.8	3.8	3.8	1.9	3.8	1.9	3.8	1.9	1.9	1.9
92.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
95°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	15.4	15.4	15.4	17.3
97.5°	23.1	21.2	21.2	23.1	23.1	23.1	23.1	25.0	26.9	28.8	32.7
100°	32.7	32.7	32.7	34.6	34.6	36.5	36.5	38.5	42.3	46.2	53.8
102.5°	48.1	48.1	48.1	50.0	50.0	51.9	53.8	57.7	63.5	73.1	90.4
105°	63.5	65.4	67.3	69.2	73.1	76.9	78.8	86.5	100.0	125.0	173.1
107.5°	94.2	94.2	98.1	101.9	109.6	117.3	123.1	146.2	178.8	248.1	363.5
110°	148.1	146.2	151.9	169.2	190.4	211.5	223.1	301.9	392.3	544.2	719.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	290.4	286.5	305.8	346.2	423.1	488.5	517.3	669.2	832.7	975.0	1067.3
115°	700.0	690.4	730.8	811.5	946.2	1025.0	1050.0	1175.0	1257.7	1282.7	1286.5
117.5°	1317.3	1305.8	1332.7	1376.9	1448.1	1475.0	1469.2	1490.4	1480.8	1457.7	1421.2
120°	1688.5	1678.8	1678.8	1676.9	1680.8	1673.1	1663.5	1642.3	1605.8	1569.2	1521.2
122.5°	1836.5	1832.7	1823.1	1805.8	1794.2	1784.6	1765.4	1734.6	1698.1	1657.7	1607.7
125°	1921.2	1915.4	1905.8	1890.4	1869.2	1861.5	1840.4	1807.7	1771.2	1730.8	1680.8
127.5°	1980.8	1975.0	1965.4	1953.8	1930.8	1923.1	1903.8	1869.2	1834.6	1796.2	1750.0
130°	2032.7	2026.9	2017.3	2007.7	1988.5	1975.0	1957.7	1925.0	1892.3	1853.8	1805.8
132.5°	2078.8	2071.2	2061.5	2053.8	2036.5	2026.9	2007.7	1976.9	1944.2	1907.7	1857.7
135°	2115.4	2111.5	2100.0	2092.3	2075.0	2063.5	2048.1	2019.2	1988.5	1951.9	1907.7
137.5°	2150.0	2140.4	2134.6	2125.0	2107.7	2096.2	2082.7	2055.8	2026.9	1994.2	1953.8
140°	2173.1	2167.3	2159.6	2153.8	2136.5	2123.1	2111.5	2090.4	2061.5	2030.8	1994.2
142.5°	2196.2	2190.4	2184.6	2175.0	2159.6	2150.0	2138.5	2119.2	2096.2	2065.4	2030.8
145°	2213.5	2207.7	2201.9	2196.2	2180.8	2171.2	2161.5	2146.2	2123.1	2094.2	2063.5
147.5°	2228.8	2225.0	2219.2	2213.5	2200.0	2192.3	2184.6	2169.2	2146.2	2117.3	2092.3
150°	2238.5	2234.6	2228.8	2226.9	2211.5	2203.8	2198.1	2184.6	2163.5	2134.6	2115.4
152.5°	2246.2	2242.3	2236.5	2234.6	2219.2	2213.5	2207.7	2194.2	2173.1	2146.2	2128.8
155°	2248.1	2244.2	2238.5	2234.6	2219.2	2213.5	2209.6	2196.2	2178.8	2155.8	2138.5
157.5°	2242.3	2240.4	2236.5	2228.8	2215.4	2209.6	2207.7	2194.2	2180.8	2161.5	2144.2
160°	2236.5	2232.7	2230.8	2225.0	2213.5	2209.6	2207.7	2196.2	2182.7	2165.4	2146.2
162.5°	2221.2	2221.2	2219.2	2215.4	2205.8	2201.9	2200.0	2190.4	2176.9	2163.5	2142.3
165°	2207.7	2205.8	2201.9	2198.1	2190.4	2188.5	2184.6	2178.8	2165.4	2155.8	2134.6
167.5°	2184.6	2182.7	2178.8	2173.1	2167.3	2167.3	2165.4	2161.5	2150.0	2146.2	2125.0
170°	2159.6	2155.8	2155.8	2151.9	2146.2	2146.2	2146.2	2142.3	2132.7	2130.8	2113.5
172.5°	2134.6	2130.8	2128.8	2126.9	2119.2	2121.2	2121.2	2117.3	2111.5	2115.4	2098.1
175°	2100.0	2098.1	2094.2	2094.2	2090.4	2092.3	2096.2	2094.2	2088.5	2094.2	2078.8
177.5°	2057.7	2055.8	2057.7	2063.5	2059.6	2065.4	2065.4	2067.3	2065.4	2071.2	2055.8
180°	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	738.5	740.4	738.5	740.4	740.4	738.5	740.4	742.3	746.2	748.1	746.2
5°	736.5	736.5	736.5	736.5	736.5	736.5	736.5	738.5	742.3	744.2	742.3
7.5°	730.8	732.7	730.8	732.7	732.7	730.8	730.8	734.6	736.5	738.5	736.5
10°	725.0	725.0	723.1	725.0	725.0	725.0	725.0	726.9	728.8	730.8	728.8
12.5°	715.4	715.4	713.5	715.4	715.4	715.4	715.4	717.3	721.2	723.1	721.2
15°	703.8	703.8	703.8	703.8	705.8	703.8	703.8	707.7	709.6	711.5	709.6
17.5°	688.5	690.4	688.5	690.4	690.4	690.4	690.4	694.2	696.2	698.1	696.2
20°	671.2	673.1	673.1	673.1	675.0	675.0	675.0	676.9	680.8	682.7	680.8
22.5°	655.8	657.7	657.7	657.7	657.7	657.7	659.6	661.5	665.4	665.4	665.4
25°	636.5	636.5	638.5	640.4	640.4	640.4	642.3	644.2	646.2	648.1	646.2
27.5°	617.3	617.3	617.3	621.2	621.2	621.2	621.2	623.1	626.9	626.9	626.9
30°	598.1	596.2	598.1	600.0	601.9	601.9	601.9	603.8	607.7	609.6	607.7
32.5°	576.9	575.0	576.9	578.8	578.8	580.8	580.8	582.7	586.5	586.5	586.5
35°	553.8	551.9	553.8	555.8	555.8	557.7	559.6	559.6	563.5	563.5	563.5
37.5°	530.8	528.8	530.8	532.7	532.7	534.6	534.6	536.5	540.4	540.4	540.4
40°	505.8	503.8	503.8	507.7	507.7	507.7	511.5	511.5	515.4	515.4	515.4
42.5°	478.8	476.9	478.8	480.8	480.8	480.8	482.7	484.6	486.5	486.5	486.5
45°	451.9	451.9	453.8	455.8	455.8	455.8	457.7	459.6	461.5	461.5	461.5
47.5°	426.9	426.9	428.8	430.8	430.8	430.8	432.7	432.7	436.5	434.6	434.6
50°	400.0	401.9	403.8	405.8	405.8	405.8	407.7	407.7	409.6	407.7	409.6
52.5°	373.1	375.0	376.9	378.8	378.8	378.8	380.8	380.8	382.7	380.8	382.7
55°	346.2	346.2	350.0	351.9	351.9	351.9	353.8	353.8	355.8	353.8	355.8
57.5°	321.2	321.2	323.1	325.0	325.0	325.0	326.9	328.8	328.8	328.8	328.8
60°	292.3	294.2	296.2	298.1	300.0	300.0	300.0	301.9	301.9	301.9	301.9
62.5°	265.4	267.3	269.2	271.2	273.1	271.2	273.1	275.0	275.0	275.0	275.0
65°	238.5	240.4	242.3	244.2	246.2	244.2	246.2	248.1	248.1	250.0	248.1
67.5°	211.5	211.5	215.4	217.3	217.3	217.3	219.2	221.2	221.2	223.1	223.1
70°	184.6	184.6	188.5	190.4	190.4	190.4	192.3	194.2	196.2	196.2	196.2
72.5°	157.7	159.6	161.5	163.5	165.4	163.5	165.4	167.3	169.2	169.2	169.2
75°	130.8	132.7	134.6	136.5	138.5	136.5	138.5	140.4	140.4	142.3	142.3
77.5°	103.8	105.8	107.7	109.6	111.5	111.5	111.5	113.5	115.4	117.3	115.4
80°	78.8	80.8	82.7	84.6	86.5	84.6	86.5	86.5	88.5	88.5	88.5
82.5°	53.8	57.7	57.7	59.6	59.6	59.6	61.5	61.5	63.5	65.4	63.5
85°	30.8	32.7	34.6	36.5	36.5	36.5	36.5	38.5	38.5	40.4	40.4
87.5°	9.6	9.6	11.5	13.5	13.5	13.5	15.4	15.4	17.3	17.3	17.3
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92.5°	7.7	7.7	9.6	11.5	13.5	15.4	19.2	19.2	17.3	15.4	17.3
95°	19.2	23.1	28.8	36.5	44.2	48.1	57.7	55.8	48.1	40.4	38.5
97.5°	38.5	48.1	61.5	82.7	98.1	107.7	119.2	109.6	92.3	78.8	71.2
100°	69.2	90.4	121.2	165.4	188.5	198.1	201.9	180.8	153.8	128.8	113.5
102.5°	125.0	175.0	236.5	298.1	321.2	321.2	309.6	271.2	230.8	194.2	165.4
105°	248.1	332.7	426.9	473.1	482.7	469.2	430.8	378.8	321.2	273.1	232.7
107.5°	501.9	613.5	655.8	653.8	644.2	611.5	559.6	494.2	421.2	361.5	311.5
110°	830.8	863.5	855.8	811.5	786.5	750.0	678.8	613.5	526.9	463.5	400.0



TEST NUMBER: P303227

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	1088.5	1055.8	1007.7	940.4	909.6	871.2	798.1	726.9	634.6	567.3	498.1
115°	1253.8	1192.3	1128.8	1055.8	1023.1	982.7	909.6	830.8	738.5	669.2	598.1
117.5°	1373.1	1300.0	1232.7	1159.6	1128.8	1088.5	1013.5	930.8	838.5	771.2	700.0
120°	1459.6	1396.2	1326.9	1255.8	1226.9	1186.5	1107.7	1028.8	942.3	869.2	798.1
122.5°	1546.2	1478.8	1413.5	1346.2	1317.3	1276.9	1194.2	1117.3	1032.7	961.5	892.3
125°	1621.2	1555.8	1494.2	1430.8	1400.0	1355.8	1278.8	1201.9	1121.2	1051.9	986.5
127.5°	1690.4	1630.8	1567.3	1505.8	1475.0	1428.8	1355.8	1280.8	1207.7	1140.4	1075.0
130°	1751.9	1700.0	1638.5	1576.9	1542.3	1500.0	1430.8	1357.7	1288.5	1225.0	1161.5
132.5°	1809.6	1759.6	1701.9	1636.5	1601.9	1565.4	1498.1	1432.7	1367.3	1307.7	1246.2
135°	1865.4	1811.5	1753.8	1690.4	1659.6	1626.9	1561.5	1496.2	1440.4	1382.7	1325.0
137.5°	1915.4	1855.8	1800.0	1740.4	1711.5	1680.8	1619.2	1559.6	1507.7	1450.0	1396.2
140°	1955.8	1896.2	1844.2	1784.6	1759.6	1732.7	1673.1	1617.3	1571.2	1521.2	1467.3
142.5°	1988.5	1930.8	1882.7	1828.8	1805.8	1778.8	1723.1	1675.0	1632.7	1584.6	1532.7
145°	2015.4	1963.5	1917.3	1867.3	1846.2	1823.1	1771.2	1728.8	1686.5	1642.3	1594.2
147.5°	2042.3	1992.3	1951.9	1905.8	1886.5	1865.4	1815.4	1778.8	1740.4	1698.1	1653.8
150°	2063.5	2019.2	1978.8	1938.5	1919.2	1900.0	1855.8	1819.2	1788.5	1750.0	1709.6
152.5°	2078.8	2042.3	2005.8	1969.2	1950.0	1932.7	1896.2	1863.5	1836.5	1800.0	1761.5
155°	2090.4	2059.6	2026.9	1996.2	1978.8	1963.5	1928.8	1901.9	1875.0	1844.2	1807.7
157.5°	2100.0	2073.1	2044.2	2013.5	2001.9	1986.5	1955.8	1934.6	1911.5	1884.6	1851.9
160°	2105.8	2084.6	2055.8	2032.7	2021.2	2009.6	1980.8	1961.5	1944.2	1921.2	1890.4
162.5°	2107.7	2088.5	2065.4	2046.2	2036.5	2025.0	2000.0	1986.5	1969.2	1950.0	1921.2
165°	2105.8	2092.3	2071.2	2055.8	2048.1	2036.5	2017.3	2005.8	1994.2	1976.9	1951.9
167.5°	2101.9	2088.5	2075.0	2061.5	2053.8	2046.2	2030.8	2023.1	2013.5	2001.9	1980.8
170°	2094.2	2086.5	2073.1	2065.4	2059.6	2051.9	2038.5	2034.6	2030.8	2019.2	2001.9
172.5°	2082.7	2076.9	2067.3	2061.5	2057.7	2051.9	2042.3	2042.3	2040.4	2032.7	2017.3
175°	2065.4	2063.5	2055.8	2053.8	2051.9	2046.2	2042.3	2044.2	2046.2	2042.3	2030.8
177.5°	2046.2	2048.1	2042.3	2044.2	2042.3	2038.5	2038.5	2044.2	2048.1	2048.1	2040.4
180°	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9



TEST NUMBER: P303227

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	744.2	740.4	738.5	740.4	738.5	736.5	736.5	738.5	742.3	746.2	742.3
5°	740.4	736.5	736.5	736.5	736.5	734.6	734.6	734.6	738.5	744.2	738.5
7.5°	734.6	730.8	730.8	730.8	730.8	728.8	728.8	728.8	732.7	736.5	732.7
10°	726.9	725.0	723.1	723.1	723.1	721.2	719.2	721.2	725.0	728.8	723.1
12.5°	717.3	715.4	713.5	713.5	713.5	711.5	711.5	711.5	715.4	717.3	713.5
15°	705.8	703.8	701.9	703.8	701.9	700.0	700.0	700.0	703.8	705.8	701.9
17.5°	692.3	690.4	688.5	688.5	688.5	684.6	684.6	684.6	690.4	690.4	686.5
20°	676.9	673.1	673.1	673.1	671.2	669.2	669.2	669.2	673.1	673.1	669.2
22.5°	661.5	659.6	655.8	655.8	655.8	653.8	651.9	651.9	657.7	653.8	651.9
25°	644.2	640.4	638.5	638.5	636.5	634.6	632.7	632.7	638.5	634.6	630.8
27.5°	623.1	621.2	619.2	619.2	617.3	613.5	613.5	613.5	619.2	613.5	611.5
30°	603.8	601.9	600.0	600.0	598.1	594.2	594.2	596.2	600.0	594.2	592.3
32.5°	582.7	580.8	576.9	576.9	575.0	573.1	573.1	575.0	576.9	571.2	569.2
35°	559.6	557.7	555.8	555.8	553.8	551.9	551.9	553.8	553.8	548.1	546.2
37.5°	536.5	534.6	532.7	530.8	528.8	528.8	528.8	530.8	528.8	525.0	521.2
40°	513.5	511.5	507.7	507.7	505.8	503.8	503.8	507.7	503.8	500.0	494.2
42.5°	484.6	482.7	478.8	478.8	476.9	476.9	478.8	480.8	476.9	473.1	469.2
45°	459.6	457.7	455.8	455.8	453.8	453.8	453.8	453.8	451.9	450.0	446.2
47.5°	434.6	432.7	430.8	430.8	430.8	428.8	428.8	428.8	426.9	423.1	421.2
50°	409.6	407.7	405.8	405.8	403.8	401.9	403.8	401.9	401.9	398.1	394.2
52.5°	382.7	380.8	380.8	378.8	380.8	378.8	376.9	376.9	375.0	371.2	369.2
55°	355.8	355.8	353.8	353.8	353.8	351.9	351.9	350.0	350.0	346.2	342.3
57.5°	330.8	328.8	328.8	328.8	328.8	325.0	325.0	323.1	323.1	319.2	317.3
60°	303.8	301.9	301.9	301.9	301.9	300.0	298.1	298.1	294.2	292.3	290.4
62.5°	276.9	275.0	275.0	275.0	275.0	273.1	271.2	271.2	267.3	265.4	263.5
65°	250.0	248.1	248.1	248.1	248.1	246.2	244.2	244.2	240.4	238.5	238.5
67.5°	223.1	221.2	221.2	221.2	221.2	219.2	217.3	217.3	213.5	213.5	211.5
70°	196.2	196.2	196.2	194.2	194.2	192.3	190.4	190.4	186.5	186.5	184.6
72.5°	169.2	169.2	167.3	165.4	167.3	167.3	163.5	163.5	161.5	161.5	159.6
75°	142.3	142.3	140.4	140.4	140.4	138.5	136.5	136.5	134.6	134.6	132.7
77.5°	115.4	115.4	113.5	113.5	115.4	113.5	111.5	111.5	109.6	109.6	107.7
80°	88.5	90.4	88.5	90.4	88.5	88.5	86.5	84.6	84.6	84.6	82.7
82.5°	63.5	65.4	63.5	65.4	63.5	63.5	61.5	59.6	57.7	57.7	55.8
85°	40.4	40.4	38.5	40.4	38.5	38.5	36.5	34.6	32.7	32.7	32.7
87.5°	17.3	17.3	15.4	17.3	15.4	15.4	13.5	13.5	11.5	11.5	11.5
90°	3.8	5.8	7.7	7.7	7.7	7.7	9.6	9.6	9.6	9.6	11.5
92.5°	25.0	32.7	36.5	36.5	34.6	36.5	38.5	36.5	36.5	34.6	34.6
95°	44.2	50.0	59.6	65.4	71.2	78.8	82.7	80.8	80.8	76.9	76.9
97.5°	67.3	75.0	82.7	80.8	82.7	94.2	103.8	113.5	119.2	123.1	125.0
100°	105.8	101.9	107.7	113.5	115.4	113.5	117.3	126.9	136.5	140.4	148.1
102.5°	151.9	140.4	136.5	138.5	142.3	155.8	150.0	151.9	153.8	157.7	167.3
105°	207.7	188.5	178.8	176.9	175.0	180.8	194.2	198.1	190.4	188.5	192.3
107.5°	275.0	246.2	230.8	223.1	219.2	219.2	223.1	234.6	244.2	240.4	236.5
110°	355.8	313.5	290.4	276.9	267.3	261.5	263.5	267.3	276.9	286.5	294.2



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CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	444.2	392.3	355.8	340.4	326.9	309.6	305.8	305.8	309.6	319.2	328.8
115°	542.3	478.8	432.7	411.5	396.2	367.3	353.8	346.2	348.1	350.0	357.7
117.5°	640.4	575.0	521.2	494.2	473.1	436.5	409.6	396.2	390.4	388.5	392.3
120°	734.6	673.1	615.4	586.5	559.6	515.4	478.8	450.0	438.5	428.8	426.9
122.5°	826.9	767.3	707.7	676.9	650.0	601.9	565.4	526.9	500.0	478.8	467.3
125°	925.0	859.6	800.0	773.1	744.2	692.3	646.2	611.5	576.9	548.1	526.9
127.5°	1011.5	951.9	892.3	865.4	840.4	784.6	736.5	698.1	661.5	625.0	594.2
130°	1100.0	1042.3	984.6	955.8	928.8	878.8	828.8	786.5	750.0	713.5	678.8
132.5°	1184.6	1128.8	1073.1	1044.2	1021.2	971.2	919.2	878.8	838.5	803.8	769.2
135°	1265.4	1207.7	1157.7	1128.8	1101.9	1057.7	1009.6	973.1	930.8	894.2	861.5
137.5°	1342.3	1284.6	1238.5	1211.5	1190.4	1146.2	1101.9	1063.5	1023.1	986.5	951.9
140°	1413.5	1359.6	1309.6	1288.5	1263.5	1225.0	1184.6	1151.9	1113.5	1075.0	1044.2
142.5°	1482.7	1430.8	1388.5	1361.5	1342.3	1301.9	1263.5	1236.5	1203.8	1163.5	1134.6
145°	1544.2	1496.2	1457.7	1434.6	1409.6	1373.1	1338.5	1313.5	1286.5	1250.0	1221.2
147.5°	1607.7	1561.5	1521.2	1503.8	1480.8	1446.2	1415.4	1390.4	1371.2	1334.6	1307.7
150°	1667.3	1623.1	1582.7	1565.4	1546.2	1513.5	1484.6	1463.5	1446.2	1413.5	1388.5
152.5°	1723.1	1678.8	1644.2	1626.9	1607.7	1578.8	1550.0	1528.8	1519.2	1486.5	1461.5
155°	1771.2	1730.8	1700.0	1686.5	1667.3	1636.5	1611.5	1592.3	1582.7	1555.8	1534.6
157.5°	1817.3	1776.9	1750.0	1738.5	1721.2	1692.3	1671.2	1650.0	1644.2	1623.1	1600.0
160°	1857.7	1823.1	1800.0	1788.5	1773.1	1744.2	1725.0	1707.7	1701.9	1686.5	1665.4
162.5°	1894.2	1863.5	1844.2	1830.8	1817.3	1796.2	1775.0	1759.6	1755.8	1746.2	1723.1
165°	1928.8	1900.0	1880.8	1871.2	1861.5	1840.4	1821.2	1809.6	1805.8	1800.0	1776.9
167.5°	1959.6	1932.7	1915.4	1909.6	1898.1	1880.8	1865.4	1853.8	1851.9	1850.0	1828.8
170°	1982.7	1959.6	1948.1	1938.5	1932.7	1917.3	1903.8	1894.2	1894.2	1896.2	1875.0
172.5°	2003.8	1984.6	1973.1	1967.3	1961.5	1948.1	1938.5	1928.8	1932.7	1936.5	1919.2
175°	2019.2	2003.8	1994.2	1990.4	1986.5	1975.0	1967.3	1963.5	1967.3	1975.0	1957.7
177.5°	2030.8	2019.2	2013.5	2011.5	2007.7	2000.0	1996.2	1992.3	2000.0	2009.6	1994.2
180°	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9



TEST NUMBER: P303227

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	744.2	744.2	742.3	742.3	740.4	738.5	736.5	736.5
5°	740.4	738.5	738.5	738.5	736.5	736.5	734.6	734.6
7.5°	732.7	732.7	732.7	730.8	732.7	730.8	730.8	730.8
10°	725.0	723.1	723.1	723.1	723.1	721.2	721.2	723.1
12.5°	715.4	713.5	711.5	711.5	711.5	711.5	711.5	713.5
15°	701.9	701.9	701.9	700.0	700.0	700.0	700.0	701.9
17.5°	686.5	684.6	684.6	684.6	684.6	684.6	684.6	684.6
20°	669.2	667.3	667.3	665.4	665.4	665.4	665.4	667.3
22.5°	651.9	648.1	648.1	646.2	648.1	648.1	646.2	648.1
25°	630.8	628.8	628.8	626.9	626.9	625.0	625.0	626.9
27.5°	611.5	609.6	607.7	607.7	605.8	603.8	603.8	605.8
30°	590.4	588.5	586.5	584.6	584.6	582.7	582.7	584.6
32.5°	567.3	565.4	563.5	563.5	561.5	559.6	559.6	561.5
35°	544.2	542.3	540.4	540.4	538.5	536.5	536.5	538.5
37.5°	521.2	517.3	517.3	517.3	515.4	513.5	511.5	513.5
40°	492.3	490.4	488.5	486.5	486.5	484.6	484.6	484.6
42.5°	467.3	465.4	465.4	463.5	461.5	459.6	459.6	461.5
45°	442.3	442.3	440.4	438.5	436.5	436.5	436.5	436.5
47.5°	417.3	415.4	415.4	415.4	411.5	411.5	409.6	411.5
50°	392.3	390.4	390.4	390.4	386.5	386.5	386.5	386.5
52.5°	367.3	365.4	365.4	363.5	363.5	361.5	359.6	361.5
55°	340.4	340.4	338.5	338.5	336.5	334.6	334.6	336.5
57.5°	315.4	313.5	313.5	313.5	311.5	309.6	309.6	311.5
60°	288.5	288.5	288.5	286.5	284.6	284.6	284.6	284.6
62.5°	263.5	261.5	261.5	261.5	261.5	259.6	257.7	257.7
65°	236.5	234.6	234.6	234.6	232.7	234.6	232.7	232.7
67.5°	209.6	209.6	209.6	207.7	207.7	207.7	205.8	205.8
70°	184.6	182.7	184.6	182.7	182.7	182.7	180.8	180.8
72.5°	159.6	157.7	157.7	155.8	157.7	155.8	155.8	153.8
75°	132.7	132.7	130.8	130.8	130.8	130.8	128.8	128.8
77.5°	107.7	107.7	105.8	105.8	105.8	103.8	103.8	101.9
80°	80.8	80.8	80.8	78.8	78.8	78.8	78.8	76.9
82.5°	55.8	55.8	55.8	53.8	53.8	51.9	51.9	50.0
85°	30.8	30.8	30.8	28.8	28.8	28.8	28.8	26.9
87.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
90°	11.5	13.5	11.5	13.5	15.4	15.4	15.4	17.3
92.5°	34.6	34.6	34.6	36.5	36.5	34.6	34.6	34.6
95°	76.9	76.9	76.9	76.9	76.9	75.0	75.0	75.0
97.5°	126.9	126.9	126.9	128.8	126.9	123.1	123.1	123.1
100°	151.9	155.8	157.7	159.6	161.5	163.5	163.5	163.5
102.5°	175.0	176.9	178.8	180.8	182.7	182.7	182.7	182.7
105°	196.2	198.1	198.1	200.0	205.8	209.6	211.5	211.5
107.5°	234.6	234.6	234.6	236.5	236.5	236.5	236.5	236.5
110°	298.1	288.5	286.5	278.8	280.8	278.8	278.8	278.8



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	338.5	344.2	346.2	348.1	348.1	346.2	342.3	340.4
115°	369.2	375.0	378.8	378.8	384.6	388.5	388.5	388.5
117.5°	398.1	403.8	405.8	409.6	413.5	417.3	419.2	419.2
120°	428.8	434.6	434.6	438.5	440.4	444.2	446.2	446.2
122.5°	463.5	467.3	467.3	467.3	471.2	471.2	473.1	473.1
125°	515.4	511.5	509.6	507.7	507.7	505.8	507.7	505.8
127.5°	575.0	565.4	559.6	553.8	550.0	544.2	544.2	542.3
130°	648.1	636.5	623.1	617.3	607.7	601.9	598.1	594.2
132.5°	736.5	721.2	707.7	698.1	684.6	673.1	667.3	663.5
135°	832.7	807.7	792.3	786.5	771.2	757.7	753.8	750.0
137.5°	923.1	900.0	886.5	880.8	865.4	851.9	846.2	842.3
140°	1011.5	988.5	973.1	971.2	955.8	944.2	940.4	936.5
142.5°	1101.9	1082.7	1065.4	1059.6	1046.2	1038.5	1030.8	1028.8
145°	1190.4	1169.2	1153.8	1150.0	1136.5	1126.9	1121.2	1117.3
147.5°	1278.8	1259.6	1244.2	1240.4	1226.9	1219.2	1211.5	1207.7
150°	1363.5	1340.4	1330.8	1326.9	1313.5	1307.7	1300.0	1296.2
152.5°	1442.3	1421.2	1413.5	1407.7	1398.1	1386.5	1384.6	1380.8
155°	1513.5	1494.2	1488.5	1482.7	1473.1	1467.3	1465.4	1463.5
157.5°	1584.6	1567.3	1559.6	1553.8	1546.2	1540.4	1538.5	1540.4
160°	1653.8	1636.5	1630.8	1626.9	1615.4	1611.5	1611.5	1611.5
162.5°	1715.4	1701.9	1696.2	1692.3	1686.5	1680.8	1676.9	1678.8
165°	1771.2	1759.6	1755.8	1750.0	1744.2	1742.3	1740.4	1740.4
167.5°	1823.1	1811.5	1807.7	1801.9	1800.0	1796.2	1794.2	1798.1
170°	1873.1	1861.5	1859.6	1853.8	1850.0	1848.1	1844.2	1850.0
172.5°	1917.3	1909.6	1905.8	1901.9	1901.9	1900.0	1898.1	1901.9
175°	1957.7	1951.9	1948.1	1942.3	1944.2	1942.3	1942.3	1946.2
177.5°	1996.2	1992.3	1988.5	1986.5	1984.6	1980.8	1976.9	1978.8
180°	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9	2026.9

(END OF REPORT)