

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: P303230

Luminaire Tested: **CTW-F-7525-40L930-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303230
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-7525-40L930-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

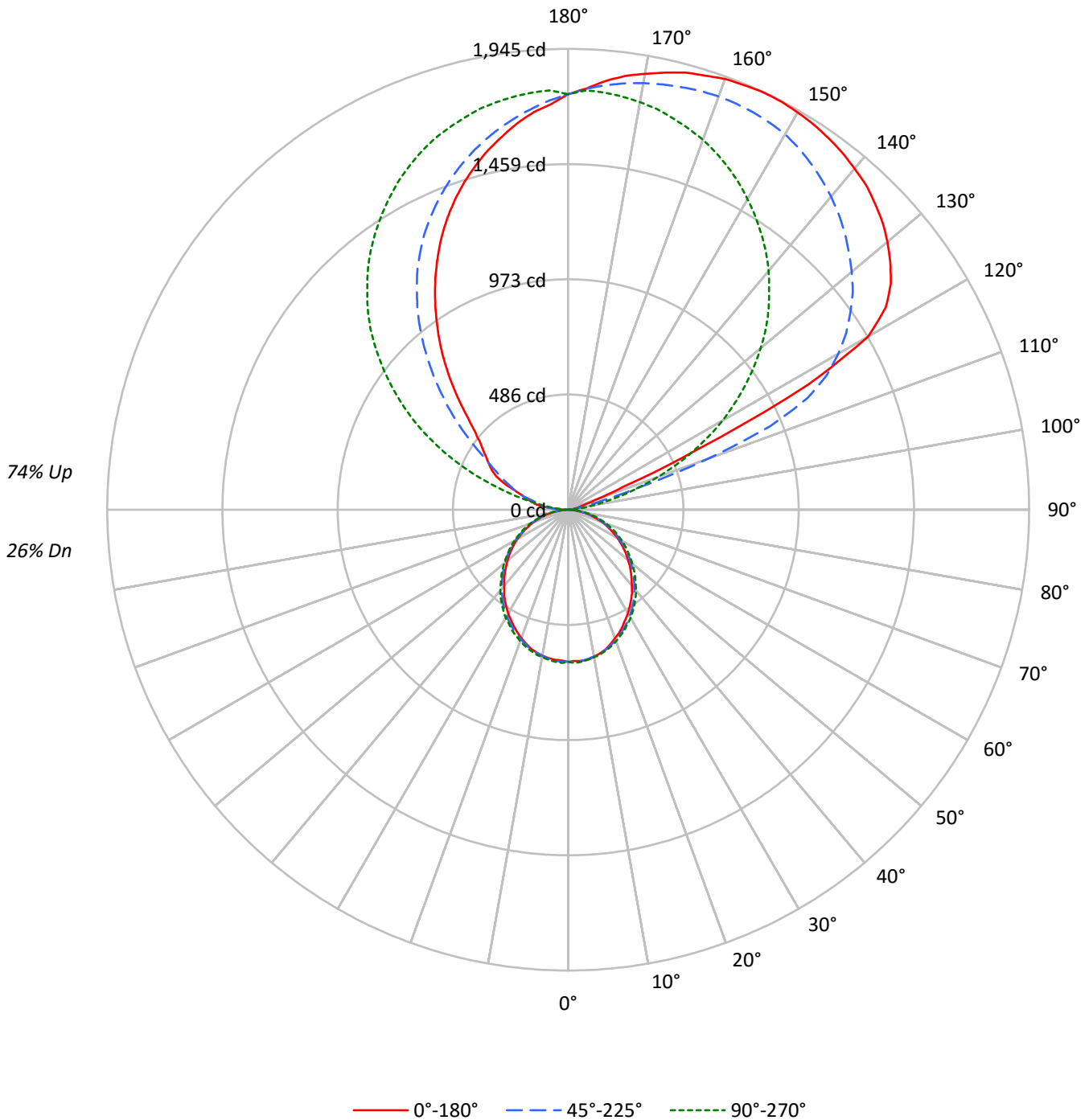
Lumens per Lamp: N/A
Luminaire Lumens: 6659.3 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	6912	6912	6912
5°	6920	6956	6866
10°	6891	6909	6837
15°	6803	6859	6766
20°	6612	6764	6612
25°	6441	6658	6441
30°	6264	6554	6285
35°	6076	6405	6121
40°	5866	6264	5890
45°	5698	6077	5748
50°	5516	5906	5600
55°	5369	5744	5463
60°	5193	5623	5300
65°	4956	5509	5127
70°	4711	5341	4922
75°	4358	5120	4637
80°	3812	4742	4122
85°	2470	4310	2878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	0.9
10°-20°	171.5	2.6
20°-30°	253.2	3.8
30°-40°	297.1	4.5
40°-50°	299.1	4.5
50°-60°	266.7	4.0
60°-70°	204.4	3.1
70°-80°	121.6	1.8
80°-90°	33.6	0.5
90°-100°	49.1	0.7
100°-110°	209.4	3.1
110°-120°	597.3	9.0
120°-130°	873.5	13.1
130°-140°	942.5	14.2
140°-150°	896.9	13.5
150°-160°	736.0	11.1
160°-170°	480.6	7.2
170°-180°	166.5	2.5
0°-30°	485.3	7.3
0°-40°	782.4	11.7
0°-60°	1348.1	20.2
0°-90°	1707.7	25.6
90°-120°	855.8	12.9
90°-150°	3568.6	53.6
90°-180°	4952.0	74.4
0°-180°	6659.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	642	642	642	642	642	
5°	640	640	644	639	635	61
15°	610	612	616	609	607	171
25°	542	554	561	552	542	250
35°	462	479	487	479	466	289
45°	374	389	399	391	378	289
55°	286	298	306	303	291	255
65°	195	205	216	208	201	193
75°	105	112	123	116	112	111
85°	20	25	35	28	23	25
90°	2	2	2	8	15	2
95°	12	15	35	70	65	13
105°	55	150	236	165	183	67
115°	606	1113	579	301	336	683
125°	1662	1454	910	499	438	1472
135°	1830	1650	1196	805	649	1413
145°	1915	1785	1421	1113	966	1201
155°	1945	1850	1595	1369	1266	898
165°	1910	1846	1710	1562	1505	541
175°	1816	1798	1767	1702	1683	175
180°	1753	1753	1753	1753	1753	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1
2.5°	638.8	637.1	640.4	642.1	642.1	643.8	643.8	643.8	643.8	645.4	642.1
5°	640.4	640.4	640.4	640.4	638.8	640.4	640.4	642.1	642.1	643.8	640.4
7.5°	638.8	637.1	637.1	637.1	635.4	635.4	637.1	637.1	635.4	638.8	635.4
10°	630.5	630.5	628.8	628.8	628.8	628.8	628.8	630.5	630.5	632.1	628.8
12.5°	620.5	620.5	620.5	620.5	618.8	618.8	620.5	622.1	622.1	623.8	622.1
15°	610.5	608.8	610.5	612.2	610.5	610.5	610.5	612.2	612.2	613.8	612.2
17.5°	593.9	593.9	595.5	597.2	597.2	595.5	597.2	598.8	598.8	600.5	598.8
20°	577.2	577.2	578.9	580.5	580.5	580.5	582.2	582.2	583.9	583.9	585.5
22.5°	562.3	560.6	562.3	563.9	563.9	562.3	565.6	565.6	567.2	568.9	570.6
25°	542.3	540.6	544.0	545.6	545.6	545.6	547.3	548.9	550.6	552.3	553.9
27.5°	522.3	522.3	524.0	525.7	527.3	527.3	529.0	532.3	532.3	534.0	537.3
30°	504.0	504.0	505.7	507.4	509.0	509.0	509.0	512.3	515.7	515.7	519.0
32.5°	484.1	482.4	484.1	487.4	487.4	487.4	489.1	492.4	494.0	495.7	499.0
35°	462.4	462.4	464.1	465.8	467.4	467.4	469.1	472.4	474.1	475.8	479.1
37.5°	442.5	440.8	442.5	444.1	445.8	445.8	447.5	450.8	452.5	454.1	457.5
40°	417.5	415.9	417.5	419.2	420.9	420.9	422.5	427.5	429.2	430.8	434.2
42.5°	395.9	394.2	395.9	397.6	399.2	400.9	400.9	402.6	405.9	407.5	410.9
45°	374.3	372.6	372.6	375.9	377.6	377.6	379.3	380.9	384.3	385.9	389.3
47.5°	352.7	351.0	352.7	354.3	354.3	356.0	357.6	357.6	361.0	364.3	366.0
50°	329.4	329.4	329.4	331.0	332.7	334.4	334.4	336.0	337.7	341.0	344.3
52.5°	307.7	306.1	307.7	309.4	311.1	311.1	312.7	312.7	314.4	319.4	321.0
55°	286.1	284.5	284.5	286.1	286.1	287.8	289.4	289.4	291.1	294.4	297.8
57.5°	262.8	262.8	262.8	264.5	264.5	264.5	267.8	267.8	269.5	272.8	274.5
60°	241.2	241.2	239.5	241.2	241.2	242.9	244.5	244.5	246.2	247.9	251.2
62.5°	217.9	217.9	216.3	217.9	219.6	219.6	221.2	221.2	222.9	226.2	227.9
65°	194.6	196.3	194.6	194.6	196.3	196.3	198.0	198.0	199.6	201.3	204.6
67.5°	173.0	173.0	171.3	173.0	173.0	174.7	174.7	176.3	176.3	178.0	179.7
70°	149.7	149.7	149.7	149.7	151.4	151.4	153.0	153.0	153.0	154.7	156.4
72.5°	128.1	128.1	126.4	126.4	128.1	129.8	129.8	131.4	131.4	134.7	134.7
75°	104.8	104.8	104.8	104.8	106.5	106.5	106.5	108.1	109.8	109.8	111.5
77.5°	83.2	81.5	83.2	83.2	83.2	83.2	84.8	86.5	86.5	88.2	89.8
80°	61.5	59.9	61.5	61.5	61.5	61.5	63.2	63.2	64.9	66.5	66.5
82.5°	39.9	38.3	39.9	39.9	39.9	39.9	41.6	41.6	43.3	44.9	44.9
85°	20.0	18.3	20.0	20.0	20.0	20.0	20.0	21.6	23.3	23.3	25.0
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0	6.7
90°	1.7	3.3	3.3	3.3	1.7	3.3	1.7	3.3	1.7	1.7	1.7
92.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
95°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	13.3	13.3	13.3	15.0
97.5°	20.0	18.3	18.3	20.0	20.0	20.0	20.0	21.6	23.3	25.0	28.3
100°	28.3	28.3	28.3	29.9	29.9	31.6	31.6	33.3	36.6	39.9	46.6
102.5°	41.6	41.6	41.6	43.3	43.3	44.9	46.6	49.9	54.9	63.2	78.2
105°	54.9	56.6	58.2	59.9	63.2	66.5	68.2	74.9	86.5	108.1	149.7
107.5°	81.5	81.5	84.8	88.2	94.8	101.5	106.5	126.4	154.7	214.6	314.4
110°	128.1	126.4	131.4	146.4	164.7	183.0	193.0	261.2	339.3	470.8	622.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	251.2	247.9	264.5	299.4	366.0	422.5	447.5	578.9	720.3	843.4	923.2
115°	605.5	597.2	632.1	702.0	818.4	886.6	908.3	1016.4	1087.9	1109.5	1112.9
117.5°	1139.5	1129.5	1152.8	1191.0	1252.6	1275.9	1270.9	1289.2	1280.9	1260.9	1229.3
120°	1460.5	1452.2	1452.2	1450.5	1453.9	1447.2	1438.9	1420.6	1389.0	1357.4	1315.8
122.5°	1588.6	1585.3	1577.0	1562.0	1552.0	1543.7	1527.1	1500.4	1468.8	1433.9	1390.7
125°	1661.8	1656.8	1648.5	1635.2	1616.9	1610.2	1591.9	1563.7	1532.0	1497.1	1453.9
127.5°	1713.4	1708.4	1700.1	1690.1	1670.1	1663.5	1646.8	1616.9	1586.9	1553.7	1513.8
130°	1758.3	1753.3	1745.0	1736.7	1720.0	1708.4	1693.4	1665.1	1636.8	1603.6	1562.0
132.5°	1798.2	1791.5	1783.2	1776.6	1761.6	1753.3	1736.7	1710.0	1681.8	1650.2	1606.9
135°	1829.8	1826.5	1816.5	1809.8	1794.9	1784.9	1771.6	1746.6	1720.0	1688.4	1650.2
137.5°	1859.8	1851.4	1846.4	1838.1	1823.2	1813.2	1801.5	1778.2	1753.3	1725.0	1690.1
140°	1879.7	1874.7	1868.1	1863.1	1848.1	1836.5	1826.5	1808.2	1783.2	1756.6	1725.0
142.5°	1899.7	1894.7	1889.7	1881.4	1868.1	1859.8	1849.8	1833.1	1813.2	1786.6	1756.6
145°	1914.6	1909.7	1904.7	1899.7	1886.4	1878.0	1869.7	1856.4	1836.5	1811.5	1784.9
147.5°	1928.0	1924.6	1919.6	1914.6	1903.0	1896.3	1889.7	1876.4	1856.4	1831.5	1809.8
150°	1936.3	1932.9	1928.0	1926.3	1913.0	1906.3	1901.3	1889.7	1871.4	1846.4	1829.8
152.5°	1942.9	1939.6	1934.6	1932.9	1919.6	1914.6	1909.7	1898.0	1879.7	1856.4	1841.5
155°	1944.6	1941.3	1936.3	1932.9	1919.6	1914.6	1911.3	1899.7	1884.7	1864.7	1849.8
157.5°	1939.6	1937.9	1934.6	1928.0	1916.3	1911.3	1909.7	1898.0	1886.4	1869.7	1854.8
160°	1934.6	1931.3	1929.6	1924.6	1914.6	1911.3	1909.7	1899.7	1888.0	1873.1	1856.4
162.5°	1921.3	1921.3	1919.6	1916.3	1908.0	1904.7	1903.0	1894.7	1883.0	1871.4	1853.1
165°	1909.7	1908.0	1904.7	1901.3	1894.7	1893.0	1889.7	1884.7	1873.1	1864.7	1846.4
167.5°	1889.7	1888.0	1884.7	1879.7	1874.7	1874.7	1873.1	1869.7	1859.8	1856.4	1838.1
170°	1868.1	1864.7	1864.7	1861.4	1856.4	1856.4	1856.4	1853.1	1844.8	1843.1	1828.1
172.5°	1846.4	1843.1	1841.5	1839.8	1833.1	1834.8	1834.8	1831.5	1826.5	1829.8	1814.8
175°	1816.5	1814.8	1811.5	1811.5	1808.2	1809.8	1813.2	1811.5	1806.5	1811.5	1798.2
177.5°	1779.9	1778.2	1779.9	1784.9	1781.6	1786.6	1786.6	1788.2	1786.6	1791.5	1778.2
180°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1
2.5°	638.8	640.4	638.8	640.4	640.4	638.8	640.4	642.1	645.4	647.1	645.4
5°	637.1	637.1	637.1	637.1	637.1	637.1	637.1	638.8	642.1	643.8	642.1
7.5°	632.1	633.8	632.1	633.8	633.8	632.1	632.1	635.4	637.1	638.8	637.1
10°	627.1	627.1	625.5	627.1	627.1	627.1	627.1	628.8	630.5	632.1	630.5
12.5°	618.8	618.8	617.1	618.8	618.8	618.8	618.8	620.5	623.8	625.5	623.8
15°	608.8	608.8	608.8	608.8	610.5	608.8	608.8	612.2	613.8	615.5	613.8
17.5°	595.5	597.2	595.5	597.2	597.2	597.2	597.2	600.5	602.2	603.8	602.2
20°	580.5	582.2	582.2	582.2	583.9	583.9	583.9	585.5	588.9	590.5	588.9
22.5°	567.2	568.9	568.9	568.9	568.9	568.9	570.6	572.2	575.6	575.6	575.6
25°	550.6	550.6	552.3	553.9	553.9	553.9	555.6	557.3	558.9	560.6	558.9
27.5°	534.0	534.0	534.0	537.3	537.3	537.3	537.3	539.0	542.3	542.3	542.3
30°	517.3	515.7	517.3	519.0	520.7	520.7	520.7	522.3	525.7	527.3	525.7
32.5°	499.0	497.4	499.0	500.7	500.7	502.4	502.4	504.0	507.4	507.4	507.4
35°	479.1	477.4	479.1	480.7	480.7	482.4	484.1	484.1	487.4	487.4	487.4
37.5°	459.1	457.5	459.1	460.8	460.8	462.4	462.4	464.1	467.4	467.4	467.4
40°	437.5	435.8	435.8	439.2	439.2	439.2	442.5	442.5	445.8	445.8	445.8
42.5°	414.2	412.5	414.2	415.9	415.9	415.9	417.5	419.2	420.9	420.9	420.9
45°	390.9	390.9	392.6	394.2	394.2	394.2	395.9	397.6	399.2	399.2	399.2
47.5°	369.3	369.3	371.0	372.6	372.6	372.6	374.3	374.3	377.6	375.9	375.9
50°	346.0	347.7	349.3	351.0	351.0	351.0	352.7	352.7	354.3	352.7	354.3
52.5°	322.7	324.4	326.0	327.7	327.7	327.7	329.4	329.4	331.0	329.4	331.0
55°	299.4	299.4	302.8	304.4	304.4	304.4	306.1	306.1	307.7	306.1	307.7
57.5°	277.8	277.8	279.5	281.1	281.1	281.1	282.8	284.5	284.5	284.5	284.5
60°	252.8	254.5	256.2	257.8	259.5	259.5	259.5	261.2	261.2	261.2	261.2
62.5°	229.6	231.2	232.9	234.5	236.2	234.5	236.2	237.9	237.9	237.9	237.9
65°	206.3	207.9	209.6	211.3	212.9	211.3	212.9	214.6	214.6	216.3	214.6
67.5°	183.0	183.0	186.3	188.0	188.0	188.0	189.6	191.3	191.3	193.0	193.0
70°	159.7	159.7	163.0	164.7	164.7	164.7	166.3	168.0	169.7	169.7	169.7
72.5°	136.4	138.1	139.7	141.4	143.1	141.4	143.1	144.7	146.4	146.4	146.4
75°	113.1	114.8	116.4	118.1	119.8	118.1	119.8	121.4	121.4	123.1	123.1
77.5°	89.8	91.5	93.2	94.8	96.5	96.5	96.5	98.1	99.8	101.5	99.8
80°	68.2	69.9	71.5	73.2	74.9	73.2	74.9	74.9	76.5	76.5	76.5
82.5°	46.6	49.9	49.9	51.6	51.6	51.6	53.2	53.2	54.9	56.6	54.9
85°	26.6	28.3	29.9	31.6	31.6	31.6	31.6	33.3	33.3	34.9	34.9
87.5°	8.3	8.3	10.0	11.6	11.6	11.6	13.3	13.3	15.0	15.0	15.0
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	6.7	6.7	8.3	10.0	11.6	13.3	16.6	16.6	15.0	13.3	15.0
95°	16.6	20.0	25.0	31.6	38.3	41.6	49.9	48.2	41.6	34.9	33.3
97.5°	33.3	41.6	53.2	71.5	84.8	93.2	103.1	94.8	79.8	68.2	61.5
100°	59.9	78.2	104.8	143.1	163.0	171.3	174.7	156.4	133.1	111.5	98.1
102.5°	108.1	151.4	204.6	257.8	277.8	277.8	267.8	234.5	199.6	168.0	143.1
105°	214.6	287.8	369.3	409.2	417.5	405.9	372.6	327.7	277.8	236.2	201.3
107.5°	434.2	530.6	567.2	565.6	557.3	529.0	484.1	427.5	364.3	312.7	269.5
110°	718.6	746.9	740.2	702.0	680.4	648.8	587.2	530.6	455.8	400.9	346.0



TEST NUMBER: P303230

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	941.5	913.2	871.7	813.4	786.8	753.5	690.3	628.8	548.9	490.7	430.8
115°	1084.6	1031.3	976.5	913.2	885.0	850.0	786.8	718.6	638.8	578.9	517.3
117.5°	1187.7	1124.5	1066.3	1003.1	976.5	941.5	876.6	805.1	725.3	667.0	605.5
120°	1262.6	1207.7	1147.8	1086.2	1061.3	1026.4	958.2	890.0	815.1	751.9	690.3
122.5°	1337.4	1279.2	1222.6	1164.4	1139.5	1104.5	1033.0	966.5	893.3	831.7	771.8
125°	1402.3	1345.7	1292.5	1237.6	1211.0	1172.7	1106.2	1039.7	969.8	909.9	853.4
127.5°	1462.2	1410.6	1355.7	1302.5	1275.9	1236.0	1172.7	1107.9	1044.7	986.4	929.9
130°	1515.4	1470.5	1417.3	1364.0	1334.1	1297.5	1237.6	1174.4	1114.5	1059.6	1004.7
132.5°	1565.3	1522.1	1472.2	1415.6	1385.7	1354.1	1295.8	1239.3	1182.7	1131.2	1077.9
135°	1613.6	1567.0	1517.1	1462.2	1435.6	1407.3	1350.7	1294.2	1245.9	1196.0	1146.1
137.5°	1656.8	1605.2	1557.0	1505.4	1480.5	1453.9	1400.6	1349.1	1304.2	1254.3	1207.7
140°	1691.7	1640.2	1595.3	1543.7	1522.1	1498.8	1447.2	1399.0	1359.0	1315.8	1269.2
142.5°	1720.0	1670.1	1628.5	1582.0	1562.0	1538.7	1490.5	1448.9	1412.3	1370.7	1325.8
145°	1743.3	1698.4	1658.5	1615.2	1596.9	1577.0	1532.0	1495.5	1458.9	1420.6	1379.0
147.5°	1766.6	1723.3	1688.4	1648.5	1631.9	1613.6	1570.3	1538.7	1505.4	1468.8	1430.6
150°	1784.9	1746.6	1711.7	1676.8	1660.1	1643.5	1605.2	1573.6	1547.0	1513.8	1478.8
152.5°	1798.2	1766.6	1735.0	1703.4	1686.8	1671.8	1640.2	1611.9	1588.6	1557.0	1523.7
155°	1808.2	1781.6	1753.3	1726.7	1711.7	1698.4	1668.5	1645.2	1621.9	1595.3	1563.7
157.5°	1816.5	1793.2	1768.3	1741.6	1731.7	1718.4	1691.7	1673.4	1653.5	1630.2	1601.9
160°	1821.5	1803.2	1778.2	1758.3	1748.3	1738.3	1713.4	1696.7	1681.8	1661.8	1635.2
162.5°	1823.2	1806.5	1786.6	1769.9	1761.6	1751.6	1730.0	1718.4	1703.4	1686.8	1661.8
165°	1821.5	1809.8	1791.5	1778.2	1771.6	1761.6	1745.0	1735.0	1725.0	1710.0	1688.4
167.5°	1818.2	1806.5	1794.9	1783.2	1776.6	1769.9	1756.6	1750.0	1741.6	1731.7	1713.4
170°	1811.5	1804.9	1793.2	1786.6	1781.6	1774.9	1763.3	1759.9	1756.6	1746.6	1731.7
172.5°	1801.5	1796.5	1788.2	1783.2	1779.9	1774.9	1766.6	1766.6	1764.9	1758.3	1745.0
175°	1786.6	1784.9	1778.2	1776.6	1774.9	1769.9	1766.6	1768.3	1769.9	1766.6	1756.6
177.5°	1769.9	1771.6	1766.6	1768.3	1766.6	1763.3	1763.3	1768.3	1771.6	1771.6	1764.9
180°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3



TEST NUMBER: P303230

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1
2.5°	643.8	640.4	638.8	640.4	638.8	637.1	637.1	638.8	642.1	645.4	642.1
5°	640.4	637.1	637.1	637.1	637.1	635.4	635.4	635.4	638.8	643.8	638.8
7.5°	635.4	632.1	632.1	632.1	632.1	630.5	630.5	630.5	633.8	637.1	633.8
10°	628.8	627.1	625.5	625.5	625.5	623.8	622.1	623.8	627.1	630.5	625.5
12.5°	620.5	618.8	617.1	617.1	617.1	615.5	615.5	615.5	618.8	620.5	617.1
15°	610.5	608.8	607.2	608.8	607.2	605.5	605.5	605.5	608.8	610.5	607.2
17.5°	598.8	597.2	595.5	595.5	595.5	592.2	592.2	592.2	597.2	597.2	593.9
20°	585.5	582.2	582.2	582.2	580.5	578.9	578.9	578.9	582.2	582.2	578.9
22.5°	572.2	570.6	567.2	567.2	567.2	565.6	563.9	563.9	568.9	565.6	563.9
25°	557.3	553.9	552.3	552.3	550.6	548.9	547.3	547.3	552.3	548.9	545.6
27.5°	539.0	537.3	535.6	535.6	534.0	530.6	530.6	530.6	535.6	530.6	529.0
30°	522.3	520.7	519.0	519.0	517.3	514.0	514.0	514.0	515.7	519.0	512.3
32.5°	504.0	502.4	499.0	499.0	497.4	495.7	495.7	497.4	499.0	494.0	492.4
35°	484.1	482.4	480.7	480.7	479.1	477.4	477.4	479.1	479.1	474.1	472.4
37.5°	464.1	462.4	460.8	459.1	457.5	457.5	457.5	459.1	457.5	454.1	450.8
40°	444.1	442.5	439.2	439.2	437.5	435.8	435.8	439.2	435.8	432.5	427.5
42.5°	419.2	417.5	414.2	414.2	412.5	412.5	414.2	415.9	412.5	409.2	405.9
45°	397.6	395.9	394.2	394.2	392.6	392.6	392.6	392.6	390.9	389.3	385.9
47.5°	375.9	374.3	372.6	372.6	372.6	371.0	371.0	371.0	369.3	366.0	364.3
50°	354.3	352.7	351.0	351.0	349.3	347.7	349.3	347.7	347.7	344.3	341.0
52.5°	331.0	329.4	329.4	327.7	329.4	327.7	326.0	326.0	324.4	321.0	319.4
55°	307.7	307.7	306.1	306.1	306.1	304.4	304.4	302.8	302.8	299.4	296.1
57.5°	286.1	284.5	284.5	284.5	284.5	281.1	281.1	279.5	279.5	276.1	274.5
60°	262.8	261.2	261.2	261.2	261.2	259.5	257.8	257.8	254.5	252.8	251.2
62.5°	239.5	237.9	237.9	237.9	237.9	236.2	234.5	234.5	231.2	229.6	227.9
65°	216.3	214.6	214.6	214.6	214.6	212.9	211.3	211.3	207.9	206.3	206.3
67.5°	193.0	191.3	191.3	191.3	191.3	189.6	188.0	188.0	184.6	184.6	183.0
70°	169.7	169.7	169.7	168.0	168.0	166.3	164.7	164.7	161.4	161.4	159.7
72.5°	146.4	146.4	144.7	143.1	144.7	144.7	141.4	141.4	139.7	139.7	138.1
75°	123.1	123.1	121.4	121.4	121.4	119.8	118.1	118.1	116.4	116.4	114.8
77.5°	99.8	99.8	98.1	98.1	99.8	98.1	96.5	96.5	94.8	94.8	93.2
80°	76.5	78.2	76.5	78.2	76.5	76.5	74.9	73.2	73.2	73.2	71.5
82.5°	54.9	56.6	54.9	56.6	54.9	54.9	53.2	51.6	49.9	49.9	48.2
85°	34.9	34.9	33.3	34.9	33.3	33.3	31.6	29.9	28.3	28.3	28.3
87.5°	15.0	15.0	13.3	15.0	13.3	13.3	11.6	11.6	10.0	10.0	10.0
90°	3.3	5.0	6.7	6.7	6.7	6.7	8.3	8.3	8.3	8.3	10.0
92.5°	21.6	28.3	31.6	31.6	29.9	31.6	33.3	31.6	31.6	29.9	29.9
95°	38.3	43.3	51.6	56.6	61.5	68.2	71.5	69.9	69.9	66.5	66.5
97.5°	58.2	64.9	71.5	69.9	71.5	81.5	89.8	98.1	103.1	106.5	108.1
100°	91.5	88.2	93.2	98.1	99.8	98.1	101.5	109.8	118.1	121.4	128.1
102.5°	131.4	121.4	118.1	119.8	123.1	134.7	129.8	131.4	133.1	136.4	144.7
105°	179.7	163.0	154.7	153.0	151.4	156.4	168.0	171.3	164.7	163.0	166.3
107.5°	237.9	212.9	199.6	193.0	189.6	189.6	193.0	202.9	211.3	207.9	204.6
110°	307.7	271.1	251.2	239.5	231.2	226.2	227.9	231.2	239.5	247.9	254.5



TEST NUMBER: P303230

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	384.3	339.3	307.7	294.4	282.8	267.8	264.5	264.5	267.8	276.1	284.5
115°	469.1	414.2	374.3	356.0	342.7	317.7	306.1	299.4	301.1	302.8	309.4
117.5°	553.9	497.4	450.8	427.5	409.2	377.6	354.3	342.7	337.7	336.0	339.3
120°	635.4	582.2	532.3	507.4	484.1	445.8	414.2	389.3	379.3	371.0	369.3
122.5°	715.3	663.7	612.2	585.5	562.3	520.7	489.1	455.8	432.5	414.2	404.2
125°	800.1	743.6	692.0	668.7	643.8	598.8	558.9	529.0	499.0	474.1	455.8
127.5°	875.0	823.4	771.8	748.6	726.9	678.7	637.1	603.8	572.2	540.6	514.0
130°	951.5	901.6	851.7	826.7	803.5	760.2	717.0	680.4	648.8	617.1	587.2
132.5°	1024.7	976.5	928.2	903.3	883.3	840.0	795.1	760.2	725.3	695.3	665.4
135°	1094.6	1044.7	1001.4	976.5	953.2	914.9	873.3	841.7	805.1	773.5	745.2
137.5°	1161.1	1111.2	1071.3	1048.0	1029.7	991.4	953.2	919.9	885.0	853.4	823.4
140°	1222.6	1176.1	1132.8	1114.5	1092.9	1059.6	1024.7	996.4	963.1	929.9	903.3
142.5°	1282.5	1237.6	1201.0	1177.7	1161.1	1126.2	1092.9	1069.6	1041.3	1006.4	981.4
145°	1335.8	1294.2	1260.9	1240.9	1219.3	1187.7	1157.8	1136.1	1112.9	1081.3	1056.3
147.5°	1390.7	1350.7	1315.8	1300.8	1280.9	1250.9	1224.3	1202.7	1186.0	1154.4	1131.2
150°	1442.2	1404.0	1369.0	1354.1	1337.4	1309.1	1284.2	1265.9	1250.9	1222.6	1201.0
152.5°	1490.5	1452.2	1422.3	1407.3	1390.7	1365.7	1340.8	1322.5	1314.1	1285.9	1264.2
155°	1532.0	1497.1	1470.5	1458.9	1442.2	1415.6	1394.0	1377.3	1369.0	1345.7	1327.4
157.5°	1572.0	1537.0	1513.8	1503.8	1488.8	1463.8	1445.5	1427.3	1422.3	1404.0	1384.0
160°	1606.9	1577.0	1557.0	1547.0	1533.7	1508.8	1492.1	1477.2	1472.2	1458.9	1440.6
162.5°	1638.5	1611.9	1595.3	1583.6	1572.0	1553.7	1535.4	1522.1	1518.7	1510.4	1490.5
165°	1668.5	1643.5	1626.9	1618.5	1610.2	1591.9	1575.3	1565.3	1562.0	1557.0	1537.0
167.5°	1695.1	1671.8	1656.8	1651.8	1641.8	1626.9	1613.6	1603.6	1601.9	1600.3	1582.0
170°	1715.0	1695.1	1685.1	1676.8	1671.8	1658.5	1646.8	1638.5	1638.5	1640.2	1621.9
172.5°	1733.3	1716.7	1706.7	1701.7	1696.7	1685.1	1676.8	1668.5	1671.8	1675.1	1660.1
175°	1746.6	1733.3	1725.0	1721.7	1718.4	1708.4	1701.7	1698.4	1701.7	1708.4	1693.4
177.5°	1756.6	1746.6	1741.6	1740.0	1736.7	1730.0	1726.7	1723.3	1730.0	1738.3	1725.0
180°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3



TEST NUMBER: P303230

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1
2.5°	643.8	643.8	642.1	642.1	640.4	638.8	637.1	637.1
5°	640.4	638.8	638.8	638.8	637.1	637.1	635.4	635.4
7.5°	633.8	633.8	633.8	632.1	633.8	632.1	632.1	632.1
10°	627.1	625.5	625.5	625.5	625.5	623.8	623.8	625.5
12.5°	618.8	617.1	615.5	615.5	615.5	615.5	615.5	617.1
15°	607.2	607.2	607.2	605.5	605.5	605.5	605.5	607.2
17.5°	593.9	592.2	592.2	592.2	592.2	592.2	592.2	592.2
20°	578.9	577.2	577.2	575.6	575.6	575.6	575.6	577.2
22.5°	563.9	560.6	560.6	558.9	560.6	560.6	558.9	560.6
25°	545.6	544.0	544.0	542.3	542.3	540.6	540.6	542.3
27.5°	529.0	527.3	525.7	525.7	524.0	522.3	522.3	524.0
30°	510.7	509.0	507.4	505.7	505.7	504.0	504.0	505.7
32.5°	490.7	489.1	487.4	487.4	485.7	484.1	484.1	485.7
35°	470.8	469.1	467.4	467.4	465.8	464.1	464.1	465.8
37.5°	450.8	447.5	447.5	447.5	445.8	444.1	442.5	444.1
40°	425.8	424.2	422.5	420.9	420.9	419.2	419.2	419.2
42.5°	404.2	402.6	402.6	400.9	399.2	397.6	397.6	399.2
45°	382.6	382.6	380.9	379.3	377.6	377.6	377.6	377.6
47.5°	361.0	359.3	359.3	359.3	356.0	356.0	354.3	356.0
50°	339.3	337.7	337.7	337.7	334.4	334.4	334.4	334.4
52.5°	317.7	316.1	316.1	314.4	314.4	312.7	311.1	312.7
55°	294.4	294.4	292.8	292.8	291.1	289.4	289.4	291.1
57.5°	272.8	271.1	271.1	271.1	269.5	267.8	267.8	269.5
60°	249.5	249.5	249.5	247.9	246.2	246.2	246.2	246.2
62.5°	227.9	226.2	226.2	226.2	226.2	224.6	222.9	222.9
65°	204.6	202.9	202.9	202.9	201.3	202.9	201.3	201.3
67.5°	181.3	181.3	181.3	179.7	179.7	179.7	178.0	178.0
70°	159.7	158.0	159.7	158.0	158.0	158.0	156.4	156.4
72.5°	138.1	136.4	136.4	134.7	136.4	134.7	134.7	133.1
75°	114.8	114.8	113.1	113.1	113.1	113.1	111.5	111.5
77.5°	93.2	93.2	91.5	91.5	91.5	89.8	89.8	88.2
80°	69.9	69.9	69.9	68.2	68.2	68.2	68.2	66.5
82.5°	48.2	48.2	48.2	46.6	46.6	44.9	44.9	43.3
85°	26.6	26.6	26.6	25.0	25.0	25.0	25.0	23.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
90°	10.0	11.6	10.0	11.6	13.3	13.3	13.3	15.0
92.5°	29.9	29.9	29.9	31.6	31.6	29.9	29.9	29.9
95°	66.5	66.5	66.5	66.5	66.5	64.9	64.9	64.9
97.5°	109.8	109.8	109.8	111.5	109.8	106.5	106.5	106.5
100°	131.4	134.7	136.4	138.1	139.7	141.4	141.4	141.4
102.5°	151.4	153.0	154.7	156.4	158.0	158.0	158.0	158.0
105°	169.7	171.3	171.3	173.0	178.0	181.3	183.0	183.0
107.5°	202.9	202.9	202.9	204.6	204.6	204.6	204.6	204.6
110°	257.8	249.5	247.9	241.2	242.9	241.2	241.2	241.2



TEST NUMBER: P303230

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	292.8	297.8	299.4	301.1	301.1	299.4	296.1	294.4
115°	319.4	324.4	327.7	327.7	332.7	336.0	336.0	336.0
117.5°	344.3	349.3	351.0	354.3	357.6	361.0	362.6	362.6
120°	371.0	375.9	375.9	379.3	380.9	384.3	385.9	385.9
122.5°	400.9	404.2	404.2	404.2	407.5	407.5	409.2	409.2
125°	445.8	442.5	440.8	439.2	439.2	437.5	439.2	437.5
127.5°	497.4	489.1	484.1	479.1	475.8	470.8	470.8	469.1
130°	560.6	550.6	539.0	534.0	525.7	520.7	517.3	514.0
132.5°	637.1	623.8	612.2	603.8	592.2	582.2	577.2	573.9
135°	720.3	698.7	685.3	680.4	667.0	655.4	652.1	648.8
137.5°	798.5	778.5	766.9	761.9	748.6	736.9	731.9	728.6
140°	875.0	855.0	841.7	840.0	826.7	816.8	813.4	810.1
142.5°	953.2	936.5	921.6	916.6	904.9	898.3	891.6	890.0
145°	1029.7	1011.4	998.1	994.8	983.1	974.8	969.8	966.5
147.5°	1106.2	1089.6	1076.3	1072.9	1061.3	1054.6	1048.0	1044.7
150°	1179.4	1159.4	1151.1	1147.8	1136.1	1131.2	1124.5	1121.2
152.5°	1247.6	1229.3	1222.6	1217.7	1209.3	1199.4	1197.7	1194.4
155°	1309.1	1292.5	1287.5	1282.5	1274.2	1269.2	1267.6	1265.9
157.5°	1370.7	1355.7	1349.1	1344.1	1337.4	1332.4	1330.8	1332.4
160°	1430.6	1415.6	1410.6	1407.3	1397.3	1394.0	1394.0	1394.0
162.5°	1483.8	1472.2	1467.2	1463.8	1458.9	1453.9	1450.5	1452.2
165°	1532.0	1522.1	1518.7	1513.8	1508.8	1507.1	1505.4	1505.4
167.5°	1577.0	1567.0	1563.7	1558.7	1557.0	1553.7	1552.0	1555.3
170°	1620.2	1610.2	1608.6	1603.6	1600.3	1598.6	1595.3	1600.3
172.5°	1658.5	1651.8	1648.5	1645.2	1645.2	1643.5	1641.8	1645.2
175°	1693.4	1688.4	1685.1	1680.1	1681.8	1680.1	1680.1	1683.4
177.5°	1726.7	1723.3	1720.0	1718.4	1716.7	1713.4	1710.0	1711.7
180°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3

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