

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: P303102

Luminaire Tested: **CTW-F-2575-50L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-50L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 5000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

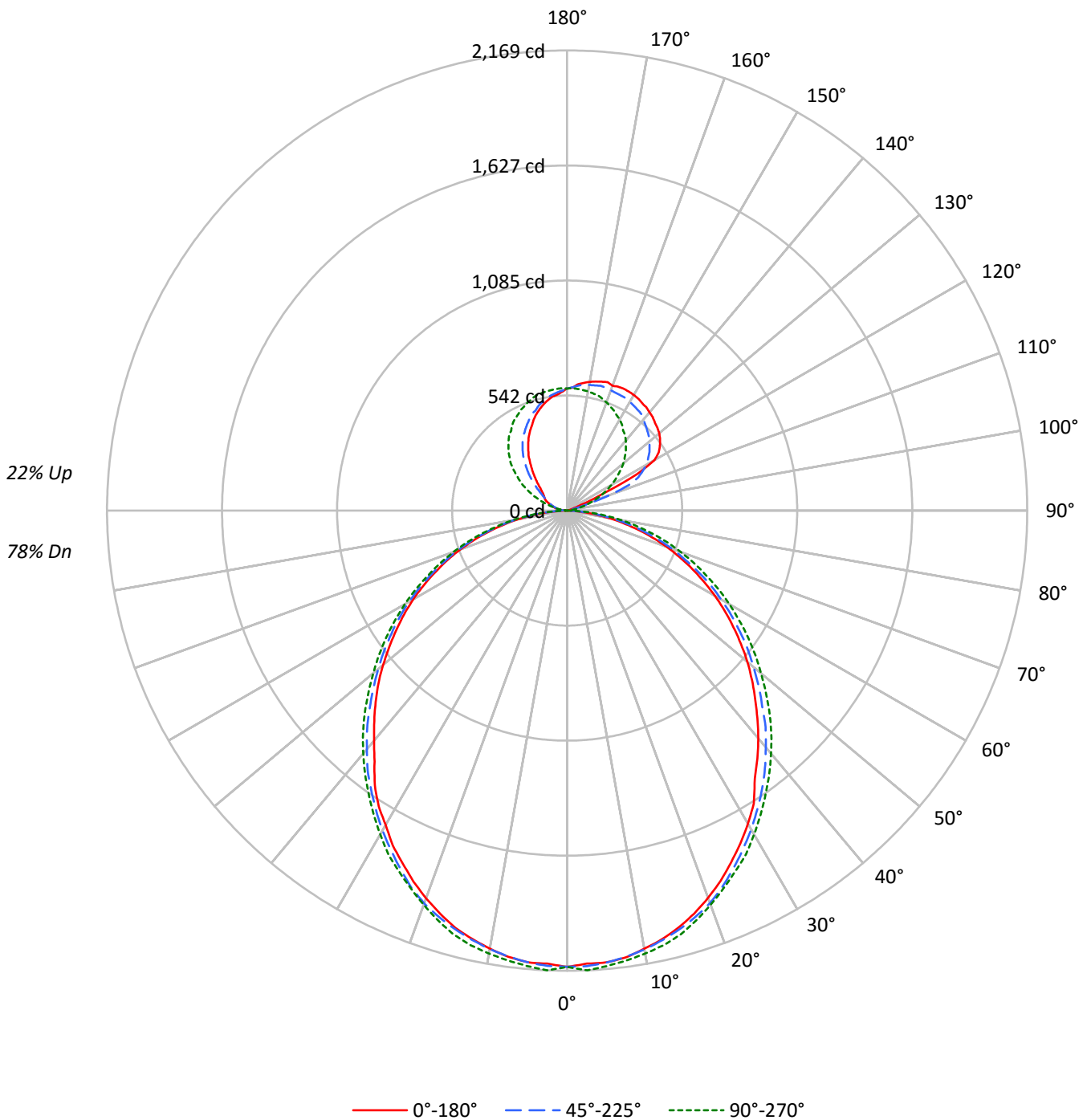
Lumens per Lamp: N/A
Luminaire Lumens: 7347.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 66.1
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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	104	99	95	91	99	95	91	88	87	84	81	79	77	75	72	70	69	65
2	94	87	80	74	90	83	77	72	76	71	67	69	66	62	63	60	58	54
3	86	76	68	62	82	73	66	60	67	61	56	61	56	53	56	52	49	46
4	79	67	59	52	75	65	57	51	59	53	48	54	49	45	50	46	42	39
5	72	60	52	45	69	58	50	44	53	47	41	49	43	39	45	40	37	34
6	67	54	45	39	64	52	44	38	48	41	36	44	39	34	41	36	32	30
7	62	49	41	35	59	47	39	34	44	37	32	40	35	30	37	32	29	26
8	58	45	36	31	55	43	35	30	40	33	29	37	31	27	34	29	26	24
9	54	41	33	28	51	39	32	27	37	30	26	34	29	25	32	27	23	21
10	50	38	30	25	48	36	29	24	34	28	23	32	26	22	29	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	30864	30864	30864
5°	30794	31044	30794
10°	30562	30898	30562
15°	30217	30731	30259
20°	29672	30201	29694
25°	28960	29714	29052
30°	28252	29208	28348
35°	27013	28579	27696
40°	26265	28022	26508
45°	25440	27372	25907
50°	24764	26632	25279
55°	23926	26020	24614
60°	23101	25377	24054
65°	22091	24587	23266
70°	20880	23847	22454
75°	19036	22874	21194
80°	16092	21340	19191
85°	9501	18048	14491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	2.8
10°-20°	574.6	7.8
20°-30°	850.6	11.6
30°-40°	997.0	13.6
40°-50°	1006.9	13.7
50°-60°	897.2	12.2
60°-70°	687.7	9.4
70°-80°	406.4	5.5
80°-90°	108.8	1.5
90°-100°	17.3	0.2
100°-110°	70.3	1.0
110°-120°	194.6	2.6
120°-130°	282.8	3.8
130°-140°	305.7	4.2
140°-150°	292.2	4.0
150°-160°	240.0	3.3
160°-170°	157.6	2.1
170°-180°	54.7	0.7
0°-30°	1628.0	22.2
0°-40°	2624.9	35.7
0°-60°	4529.1	61.6
0°-90°	5731.9	78.0
90°-120°	282.3	3.8
90°-150°	1163.1	15.8
90°-180°	1615.0	22.0
0°-180°	7347.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2150	2150	2150	2150	2150	
5°	2138	2139	2155	2138	2138	203
15°	2034	2044	2068	2042	2036	573
25°	1829	1858	1876	1862	1835	843
35°	1542	1602	1631	1610	1581	971
45°	1253	1300	1349	1315	1276	968
55°	956	994	1040	1011	984	856
65°	650	681	724	702	685	644
75°	343	369	412	394	382	364
85°	58	78	110	100	88	77
90°	1	1	1	4	6	2
95°	4	4	13	23	23	4
105°	16	40	78	59	66	19
115°	177	368	185	98	110	213
125°	534	473	291	162	138	475
135°	586	534	391	262	209	454
145°	617	580	460	366	317	388
155°	633	599	521	447	414	292
165°	629	609	562	514	496	178
175°	599	591	576	558	548	58
180°	576	576	576	576	576	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5
2.5°	2137.5	2134.6	2140.4	2144.7	2144.7	2147.6	2150.5	2154.8	2151.9	2159.1	2149.0
5°	2137.5	2133.2	2136.1	2136.1	2134.6	2137.5	2138.9	2144.7	2141.8	2149.0	2138.9
7.5°	2124.5	2121.6	2121.6	2123.1	2118.7	2121.6	2123.1	2127.4	2123.1	2130.3	2121.6
10°	2097.1	2095.7	2097.1	2098.6	2094.2	2097.1	2097.1	2100.0	2100.0	2105.8	2100.0
12.5°	2069.7	2065.4	2068.3	2066.8	2062.5	2065.4	2066.8	2072.6	2072.6	2076.9	2074.0
15°	2033.7	2032.2	2035.1	2035.1	2030.8	2032.2	2033.7	2038.0	2039.4	2043.7	2043.7
17.5°	1991.8	1988.9	1991.8	1991.8	1988.9	1990.4	1993.3	1999.0	2000.5	2006.2	2009.1
20°	1942.8	1938.5	1939.9	1939.9	1939.9	1941.3	1944.2	1951.4	1957.2	1964.4	1968.7
22.5°	1889.4	1885.1	1883.7	1883.7	1885.1	1886.5	1886.5	1899.5	1906.7	1911.1	1916.8
25°	1828.8	1824.5	1824.5	1828.8	1827.4	1830.3	1834.6	1846.2	1851.9	1847.6	1857.7
27.5°	1768.3	1765.4	1762.5	1765.4	1768.3	1771.2	1778.4	1787.0	1787.0	1789.9	1797.1
30°	1704.8	1697.6	1697.6	1701.9	1706.2	1712.0	1717.8	1722.1	1720.7	1725.0	1735.1
32.5°	1637.0	1634.1	1631.2	1635.6	1642.8	1647.1	1650.0	1650.0	1651.4	1658.7	1668.7
35°	1541.8	1540.4	1546.2	1559.1	1570.7	1577.9	1576.4	1576.4	1580.8	1589.4	1602.4
37.5°	1472.6	1471.2	1471.2	1478.4	1481.2	1485.6	1488.5	1501.4	1511.5	1524.5	1531.7
40°	1401.9	1400.5	1399.0	1407.7	1410.6	1410.6	1413.5	1419.2	1432.2	1455.3	1456.7
42.5°	1326.9	1328.4	1326.9	1334.1	1337.0	1339.9	1341.3	1345.7	1354.3	1368.7	1384.6
45°	1253.4	1254.8	1253.4	1260.6	1263.5	1264.9	1267.8	1272.1	1279.3	1292.3	1299.5
47.5°	1181.2	1181.2	1178.4	1187.0	1189.9	1192.8	1194.2	1197.1	1208.7	1217.3	1224.5
50°	1109.1	1106.2	1103.4	1112.0	1114.9	1117.8	1120.7	1125.0	1127.9	1142.3	1146.6
52.5°	1032.7	1031.2	1029.8	1037.0	1039.9	1041.3	1045.7	1050.0	1055.8	1068.7	1073.1
55°	956.2	956.2	953.4	960.6	962.0	966.3	969.2	975.0	977.9	990.9	993.7
57.5°	881.2	881.2	876.9	884.1	885.6	889.9	892.8	897.1	901.4	910.1	917.3
60°	804.8	800.5	800.5	806.2	809.1	813.5	816.3	820.7	823.6	832.2	838.0
62.5°	726.9	728.4	728.4	729.8	737.0	735.6	735.6	744.2	747.1	752.9	763.0
65°	650.5	649.0	649.0	653.4	656.2	657.7	657.7	667.8	670.7	675.0	680.8
67.5°	574.0	575.5	575.5	575.5	582.7	581.2	581.2	589.9	592.8	597.1	600.0
70°	497.6	499.0	500.5	499.0	506.2	503.4	507.7	512.0	514.9	520.7	525.0
72.5°	421.2	422.6	424.0	424.0	429.8	426.9	431.2	435.6	442.8	444.2	447.1
75°	343.3	344.7	346.2	346.2	350.5	347.6	351.9	356.2	359.1	364.9	369.2
77.5°	268.3	269.7	272.6	272.6	275.5	272.6	276.9	282.7	285.6	288.5	294.2
80°	194.7	196.2	199.0	199.0	203.4	200.5	203.4	207.7	212.0	216.3	219.2
82.5°	124.0	125.5	126.9	128.4	132.7	132.7	132.7	137.0	142.8	142.8	147.1
85°	57.7	59.1	60.6	60.6	64.9	64.9	64.9	69.2	72.1	75.0	77.9
87.5°	7.2	8.7	8.7	8.7	10.1	10.1	10.1	11.5	13.0	14.4	17.3
90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
92.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
95°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
97.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	7.2	7.2	8.7
100°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.1	10.1	11.5	13.0
102.5°	11.5	11.5	11.5	13.0	13.0	13.0	13.0	14.4	15.9	17.3	21.6
105°	15.9	15.9	15.9	17.3	17.3	18.7	18.7	20.2	24.5	28.8	40.4
107.5°	23.1	23.1	23.1	24.5	26.0	27.4	28.8	34.6	43.3	60.6	93.7
110°	34.6	34.6	36.1	38.9	44.7	49.0	53.4	73.6	103.8	151.4	209.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	69.2	70.7	76.4	85.1	106.7	116.8	134.1	186.1	239.4	289.9	314.4
115°	177.4	181.7	187.5	216.3	259.6	275.5	298.6	347.6	367.8	373.6	367.8
117.5°	369.2	375.0	376.4	402.4	412.5	416.8	422.6	428.4	421.2	412.5	401.0
120°	476.0	478.8	474.5	471.6	474.5	470.2	467.3	460.1	448.6	441.3	429.8
122.5°	512.0	513.5	507.7	503.4	500.5	499.0	494.7	483.2	470.2	464.4	451.4
125°	533.7	533.7	530.8	523.6	520.7	519.2	514.9	506.2	493.3	483.2	473.1
127.5°	552.4	552.4	546.6	540.9	538.0	536.5	527.9	520.7	513.5	500.5	488.9
130°	566.8	565.4	561.1	555.3	553.8	549.5	546.6	536.5	529.3	520.7	506.2
132.5°	576.9	578.4	572.6	572.6	569.7	561.1	559.6	551.0	542.3	532.2	522.1
135°	585.6	589.9	585.6	584.1	579.8	572.6	568.3	562.5	553.8	543.7	533.7
137.5°	597.1	594.2	595.7	592.8	589.9	584.1	579.8	576.9	566.8	558.2	546.6
140°	604.3	604.3	604.3	601.4	595.7	594.2	594.2	584.1	582.7	572.6	559.6
142.5°	613.0	611.5	610.1	605.8	607.2	602.9	597.1	597.1	588.5	581.2	574.0
145°	617.3	618.7	611.5	615.9	610.1	608.7	602.9	602.9	597.1	585.6	579.8
147.5°	624.5	623.1	618.7	620.2	615.9	614.4	610.1	607.2	598.6	592.8	585.6
150°	628.8	623.1	626.0	626.0	615.9	615.9	614.4	613.0	605.8	600.0	591.3
152.5°	631.7	628.8	627.4	628.8	620.2	620.2	618.7	613.0	610.1	602.9	597.1
155°	633.2	628.8	628.8	628.8	624.5	621.6	618.7	614.4	611.5	604.3	598.6
157.5°	631.7	631.7	627.4	628.8	627.4	623.1	615.9	615.9	615.9	608.7	600.0
160°	626.0	628.8	628.8	628.8	627.4	626.0	617.3	618.7	614.4	611.5	602.9
162.5°	634.6	628.8	628.8	627.4	626.0	624.5	621.6	621.6	617.3	611.5	607.2
165°	628.8	628.8	628.8	621.6	624.5	621.6	618.7	618.7	615.9	608.7	608.7
167.5°	623.1	621.6	620.2	617.3	618.7	614.4	613.0	614.4	610.1	608.7	604.3
170°	615.9	615.9	613.0	613.0	611.5	610.1	611.5	611.5	607.2	608.7	601.4
172.5°	607.2	610.1	608.7	607.2	604.3	604.3	602.9	601.4	600.0	602.9	597.1
175°	598.6	598.6	598.6	598.6	598.6	598.6	597.1	600.0	595.7	595.7	591.3
177.5°	579.8	585.6	582.7	589.9	591.3	589.9	591.3	589.9	585.6	589.9	581.2
180°	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5
2.5°	2141.8	2143.3	2143.3	2144.7	2146.2	2144.7	2144.7	2154.8	2163.5	2169.2	2163.5
5°	2130.3	2130.3	2130.3	2131.7	2133.2	2131.7	2131.7	2141.8	2150.5	2154.8	2150.5
7.5°	2113.0	2113.0	2113.0	2114.4	2115.9	2115.9	2115.9	2126.0	2134.6	2138.9	2133.2
10°	2089.9	2091.3	2091.3	2092.8	2095.7	2095.7	2097.1	2105.8	2114.4	2120.2	2114.4
12.5°	2062.5	2065.4	2066.8	2069.7	2071.2	2072.6	2074.0	2084.1	2091.3	2098.6	2092.8
15°	2033.7	2036.5	2039.4	2042.3	2043.7	2045.2	2045.2	2055.3	2062.5	2068.3	2062.5
17.5°	1999.0	2001.9	2000.5	2001.9	2001.9	2001.9	2001.9	2009.1	2017.8	2025.0	2017.8
20°	1951.4	1952.9	1951.4	1951.4	1952.9	1954.3	1952.9	1963.0	1970.2	1977.4	1970.2
22.5°	1899.5	1898.1	1898.1	1901.0	1901.0	1905.3	1905.3	1913.9	1921.2	1926.9	1922.6
25°	1841.8	1843.3	1844.7	1846.2	1849.0	1851.9	1854.8	1863.5	1872.1	1876.4	1872.1
27.5°	1785.6	1785.6	1787.0	1792.8	1794.2	1800.0	1802.9	1811.5	1818.7	1826.0	1820.2
30°	1727.9	1727.9	1733.7	1736.5	1738.0	1740.9	1739.4	1749.5	1755.3	1762.5	1761.1
32.5°	1668.7	1668.7	1668.7	1670.2	1671.6	1676.0	1674.5	1686.1	1694.7	1697.6	1696.2
35°	1603.8	1596.6	1599.5	1603.8	1605.3	1609.6	1612.5	1618.3	1628.4	1631.2	1629.8
37.5°	1534.6	1530.3	1533.2	1537.5	1538.9	1541.8	1544.7	1551.9	1557.7	1564.9	1563.5
40°	1466.8	1462.5	1463.9	1469.7	1472.6	1475.5	1476.9	1482.7	1488.5	1495.7	1494.2
42.5°	1394.7	1393.3	1393.3	1399.0	1401.9	1401.9	1406.2	1410.6	1414.9	1425.0	1422.1
45°	1319.7	1319.7	1319.7	1325.5	1328.4	1328.4	1334.1	1337.0	1344.2	1348.6	1347.1
47.5°	1233.2	1247.6	1249.0	1253.4	1251.9	1253.4	1260.6	1260.6	1267.8	1270.7	1270.7
50°	1153.8	1165.4	1172.6	1176.9	1178.4	1178.4	1187.0	1187.0	1189.9	1192.8	1197.1
52.5°	1077.4	1081.7	1097.6	1101.9	1107.7	1101.9	1110.6	1110.6	1114.9	1117.8	1119.2
55°	999.5	1003.8	1011.1	1021.2	1024.0	1025.5	1032.7	1034.1	1037.0	1039.9	1039.9
57.5°	923.1	926.0	933.2	946.2	947.6	953.4	956.2	956.2	959.1	960.6	963.5
60°	846.6	849.5	855.3	859.6	868.3	871.2	878.4	879.8	882.7	884.1	884.1
62.5°	768.7	771.6	777.4	784.6	788.9	794.7	796.2	797.6	800.5	804.8	804.8
65°	690.9	693.7	699.5	706.7	706.7	708.2	718.3	719.7	722.6	724.0	728.4
67.5°	610.1	614.4	621.6	627.4	627.4	633.2	640.4	641.8	644.7	647.6	649.0
70°	530.8	535.1	542.3	549.5	552.4	553.8	558.2	562.5	566.8	568.3	569.7
72.5°	452.9	457.2	463.0	471.6	473.1	476.0	478.8	483.2	488.9	491.8	491.8
75°	373.6	377.9	385.1	393.7	396.6	395.2	401.0	403.8	409.6	412.5	412.5
77.5°	297.1	300.0	307.2	313.0	315.9	318.7	318.7	321.6	327.4	331.7	330.3
80°	223.6	226.4	232.2	238.0	239.4	243.7	243.7	246.6	251.0	258.2	253.8
82.5°	155.8	154.3	160.1	165.9	167.3	171.6	174.5	174.5	177.4	183.2	180.3
85°	85.1	86.5	90.9	96.6	99.5	101.0	105.3	105.3	108.2	109.6	113.9
87.5°	23.1	23.1	28.8	33.2	36.1	37.5	41.8	41.8	44.7	49.0	46.2
90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
92.5°	2.9	2.9	2.9	2.9	4.3	4.3	5.8	7.2	7.2	5.8	7.2
95°	5.8	5.8	7.2	8.7	10.1	11.5	15.9	18.7	15.9	13.0	13.0
97.5°	8.7	10.1	14.4	20.2	23.1	28.8	36.1	33.2	28.8	24.5	23.1
100°	15.9	20.2	27.4	43.3	50.5	57.7	62.0	54.8	46.2	37.5	34.6
102.5°	27.4	40.4	64.9	88.0	93.7	96.6	92.3	82.2	69.2	56.2	49.0
105°	59.1	90.9	128.4	141.3	139.9	138.5	125.5	109.6	93.7	77.9	66.3
107.5°	142.8	180.3	194.7	191.8	184.6	177.4	160.1	141.3	121.2	101.0	88.0
110°	246.6	251.0	246.6	232.2	220.7	212.0	193.3	174.5	150.0	128.4	112.5



TEST NUMBER: P303102

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	314.4	300.0	284.1	266.8	255.3	245.2	223.6	201.9	178.8	157.2	139.9
115°	353.4	338.9	318.7	295.7	285.6	276.9	253.8	229.3	206.2	184.6	167.3
117.5°	385.1	366.3	347.6	327.4	317.3	305.8	284.1	261.1	235.1	212.0	196.2
120°	413.9	392.3	373.6	351.9	346.2	334.6	313.0	287.0	261.1	240.9	222.1
122.5°	435.6	416.8	396.6	379.3	369.2	360.6	336.1	313.0	288.5	266.8	249.5
125°	455.8	437.0	418.3	399.5	392.3	382.2	357.7	337.5	314.4	291.3	275.5
127.5°	476.0	454.3	439.9	426.9	413.9	401.0	379.3	360.6	338.9	320.2	301.4
130°	493.3	476.0	458.7	441.3	431.2	422.6	402.4	382.2	364.9	346.2	328.8
132.5°	504.8	491.8	474.5	461.5	447.1	439.9	419.7	402.4	383.7	367.8	350.5
135°	519.2	507.7	488.9	474.5	468.7	458.7	437.0	421.2	405.3	390.9	372.1
137.5°	533.7	520.7	506.2	490.4	481.7	474.5	454.3	442.8	425.5	409.6	395.2
140°	548.1	530.8	520.7	503.4	494.7	490.4	473.1	455.8	444.2	429.8	415.4
142.5°	556.7	542.3	529.3	516.3	510.6	503.4	487.5	468.7	460.1	448.6	432.7
145°	565.4	553.8	538.0	525.0	520.7	514.9	500.5	488.9	477.4	460.1	450.0
147.5°	574.0	561.1	551.0	538.0	529.3	527.9	513.5	501.9	488.9	480.3	465.9
150°	578.4	565.4	558.2	545.2	538.0	538.0	526.4	512.0	506.2	496.2	481.7
152.5°	584.1	575.5	566.8	558.2	549.5	548.1	538.0	527.9	516.3	506.2	497.6
155°	589.9	582.7	575.5	563.9	558.2	556.7	546.6	538.0	529.3	520.7	510.6
157.5°	592.8	581.2	576.9	569.7	565.4	561.1	551.0	543.7	540.9	530.8	519.2
160°	594.2	585.6	579.8	572.6	574.0	566.8	559.6	556.7	549.5	542.3	533.7
162.5°	595.7	592.8	584.1	578.4	576.9	571.2	566.8	562.5	558.2	552.4	545.2
165°	598.6	595.7	589.9	578.4	579.8	575.5	574.0	565.4	566.8	562.5	549.5
167.5°	597.1	592.8	587.0	587.0	579.8	579.8	575.5	574.0	569.7	565.4	556.7
170°	595.7	592.8	585.6	584.1	585.6	581.2	576.9	576.9	574.0	571.2	568.3
172.5°	591.3	588.5	584.1	588.5	584.1	581.2	578.4	572.6	578.4	572.6	566.8
175°	585.6	585.6	581.2	579.8	581.2	578.4	579.8	578.4	575.5	575.5	574.0
177.5°	581.2	582.7	576.9	578.4	579.8	576.9	579.8	579.8	581.2	576.9	579.8
180°	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5



TEST NUMBER: P303102

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5
2.5°	2157.7	2149.0	2146.2	2146.2	2144.7	2138.9	2137.5	2137.5	2147.6	2160.6	2146.2
5°	2143.3	2134.6	2131.7	2133.2	2131.7	2126.0	2126.0	2126.0	2137.5	2150.5	2136.1
7.5°	2127.4	2118.7	2115.9	2115.9	2114.4	2108.7	2108.7	2108.7	2120.2	2130.3	2118.7
10°	2107.2	2098.6	2095.7	2095.7	2092.8	2087.0	2085.6	2087.0	2098.6	2105.8	2094.2
12.5°	2085.6	2075.5	2072.6	2071.2	2068.3	2062.5	2059.6	2059.6	2072.6	2078.4	2065.4
15°	2056.7	2048.1	2043.7	2045.2	2042.3	2035.1	2033.7	2030.8	2042.3	2043.7	2035.1
17.5°	2013.5	2004.8	2003.4	2004.8	2001.9	1996.2	1997.6	1996.2	2009.1	2004.8	1996.2
20°	1964.4	1955.8	1954.3	1955.8	1951.4	1950.0	1952.9	1954.3	1970.2	1963.0	1952.9
22.5°	1915.4	1905.3	1905.3	1903.8	1899.5	1896.6	1898.1	1901.0	1921.2	1913.9	1906.7
25°	1863.5	1854.8	1853.4	1851.9	1847.6	1843.3	1841.8	1841.8	1862.0	1853.4	1854.8
27.5°	1815.9	1802.9	1798.6	1797.1	1792.8	1787.0	1785.6	1785.6	1801.4	1791.3	1797.1
30°	1753.8	1743.7	1742.3	1742.3	1738.0	1732.2	1727.9	1729.3	1740.9	1725.0	1727.9
32.5°	1690.4	1678.8	1680.3	1677.4	1673.1	1673.1	1670.2	1670.2	1676.0	1658.7	1661.5
35°	1624.0	1615.4	1613.9	1611.1	1605.3	1602.4	1603.8	1609.6	1609.6	1592.3	1592.3
37.5°	1556.2	1546.2	1547.6	1543.3	1538.9	1536.1	1536.1	1543.3	1544.7	1527.4	1524.5
40°	1488.5	1479.8	1476.9	1476.9	1472.6	1469.7	1468.3	1476.9	1468.3	1463.9	1452.4
42.5°	1416.3	1407.7	1404.8	1404.8	1403.4	1401.9	1400.5	1406.2	1396.2	1384.6	1371.6
45°	1342.8	1339.9	1335.6	1331.2	1329.8	1329.8	1331.2	1331.2	1315.4	1302.4	1299.5
47.5°	1266.3	1266.3	1260.6	1259.1	1259.1	1257.7	1257.7	1250.5	1238.9	1230.3	1226.0
50°	1192.8	1189.9	1184.1	1185.6	1185.6	1182.7	1179.8	1166.8	1162.5	1155.3	1151.0
52.5°	1117.8	1119.2	1109.1	1112.0	1110.6	1104.8	1097.6	1091.8	1087.5	1080.3	1076.0
55°	1038.5	1035.6	1032.7	1038.5	1035.6	1024.0	1018.3	1015.4	1011.1	1003.8	1001.0
57.5°	963.5	964.9	957.7	959.1	954.8	944.7	944.7	940.4	937.5	927.4	924.5
60°	884.1	878.4	881.2	884.1	871.2	866.8	868.3	863.9	861.1	851.0	848.1
62.5°	804.8	804.8	804.8	797.6	794.7	790.4	791.8	787.5	781.7	774.5	773.1
65°	728.4	725.5	719.7	719.7	716.8	713.9	715.4	712.5	702.4	698.1	696.6
67.5°	650.5	644.7	641.8	643.3	638.9	636.1	637.5	634.6	626.0	620.2	620.2
70°	574.0	562.5	563.9	563.9	561.1	556.7	558.2	552.4	548.1	548.1	543.7
72.5°	493.3	488.9	486.1	484.6	483.2	478.8	478.8	474.5	473.1	471.6	468.7
75°	413.9	408.2	408.2	408.2	405.3	402.4	402.4	396.6	393.7	396.6	392.3
77.5°	331.7	328.8	328.8	328.8	324.5	323.1	324.5	318.7	320.2	317.3	314.4
80°	256.7	253.8	253.8	252.4	253.8	248.1	249.5	245.2	245.2	243.7	240.9
82.5°	184.6	181.7	180.3	178.8	177.4	176.0	177.4	176.0	173.1	170.2	167.3
85°	115.4	111.1	111.1	111.1	111.1	106.7	106.7	103.8	99.5	98.1	95.2
87.5°	50.5	47.6	44.7	43.3	44.7	40.4	41.8	40.4	37.5	36.1	33.2
90°	1.4	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	5.8
92.5°	8.7	11.5	11.5	11.5	11.5	13.0	13.0	13.0	11.5	11.5	13.0
95°	15.9	18.7	21.6	23.1	23.1	24.5	24.5	23.1	23.1	23.1	23.1
97.5°	23.1	26.0	27.4	28.8	30.3	33.2	34.6	36.1	36.1	36.1	36.1
100°	33.2	33.2	36.1	38.9	38.9	38.9	41.8	43.3	46.2	47.6	47.6
102.5°	44.7	43.3	43.3	44.7	47.6	50.5	49.0	49.0	51.9	53.4	56.2
105°	60.6	56.2	54.8	53.4	54.8	57.7	60.6	60.6	59.1	59.1	60.6
107.5°	79.3	72.1	67.8	66.3	64.9	66.3	67.8	70.7	72.1	72.1	70.7
110°	101.0	89.4	83.7	80.8	77.9	76.4	76.4	79.3	80.8	83.7	85.1



TEST NUMBER: P303102

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	125.5	111.1	102.4	98.1	93.7	90.9	88.0	88.0	89.4	92.3	95.2
115°	151.4	135.6	124.0	118.3	112.5	105.3	102.4	99.5	98.1	101.0	102.4
117.5°	178.8	163.0	147.1	139.9	134.1	125.5	116.8	113.9	111.1	108.2	109.6
120°	204.8	188.9	171.6	165.9	158.7	147.1	135.6	128.4	125.5	122.6	119.7
122.5°	233.7	216.3	197.6	190.4	184.6	170.2	158.7	148.6	141.3	137.0	132.7
125°	259.6	242.3	225.0	217.8	209.1	196.2	183.2	171.6	161.5	154.3	147.1
127.5°	284.1	268.3	251.0	243.7	238.0	220.7	209.1	196.2	186.1	177.4	168.7
130°	314.4	289.9	276.9	269.7	262.5	249.5	233.7	222.1	212.0	201.9	191.8
132.5°	336.1	320.2	298.6	294.2	287.0	272.6	261.1	248.1	238.0	226.4	216.3
135°	356.2	341.8	328.8	318.7	314.4	297.1	285.6	274.0	262.5	253.8	243.7
137.5°	379.3	363.5	347.6	344.7	336.1	324.5	314.4	300.0	289.9	278.4	269.7
140°	401.0	385.1	373.6	362.0	357.7	349.0	338.9	328.8	317.3	305.8	295.7
142.5°	421.2	405.3	392.3	386.5	379.3	369.2	359.1	351.9	343.3	334.6	324.5
145°	438.5	422.6	412.5	406.7	401.0	389.4	380.8	375.0	366.3	356.2	347.6
147.5°	452.9	441.3	429.8	426.9	415.4	408.2	402.4	393.7	390.9	379.3	373.6
150°	468.7	458.7	450.0	442.8	438.5	426.9	421.2	416.8	409.6	402.4	395.2
152.5°	483.2	474.5	464.4	461.5	455.8	445.7	438.5	431.2	428.4	421.2	413.9
155°	497.6	488.9	480.3	476.0	473.1	465.9	454.3	450.0	447.1	442.8	437.0
157.5°	510.6	500.5	493.3	491.8	484.6	478.8	474.5	467.3	465.9	457.2	454.3
160°	522.1	516.3	506.2	501.9	503.4	494.7	487.5	480.3	486.1	474.5	473.1
162.5°	533.7	526.4	523.6	517.8	516.3	512.0	506.2	499.0	494.7	497.6	487.5
165°	546.6	539.4	533.7	530.8	527.9	517.8	516.3	512.0	513.5	512.0	509.1
167.5°	552.4	546.6	545.2	539.4	539.4	536.5	530.8	525.0	526.4	526.4	519.2
170°	559.6	553.8	551.0	548.1	548.1	540.9	540.9	536.5	542.3	539.4	533.7
172.5°	566.8	561.1	558.2	559.6	555.3	553.8	549.5	546.6	549.5	552.4	549.5
175°	571.2	565.4	565.4	563.9	559.6	559.6	559.6	556.7	558.2	558.2	553.8
177.5°	575.5	571.2	565.4	569.7	569.7	565.4	562.5	566.8	565.4	574.0	566.8
180°	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5



TEST NUMBER: P303102

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5	2150.5
2.5°	2151.9	2149.0	2147.6	2143.3	2141.8	2137.5	2134.6	2137.5
5°	2140.4	2137.5	2136.1	2133.2	2133.2	2133.2	2133.2	2137.5
7.5°	2121.6	2118.7	2120.2	2117.3	2118.7	2120.2	2120.2	2121.6
10°	2098.6	2095.7	2094.2	2091.3	2092.8	2092.8	2092.8	2097.1
12.5°	2066.8	2063.9	2062.5	2059.6	2062.5	2065.4	2066.8	2068.3
15°	2035.1	2032.2	2030.8	2027.9	2030.8	2033.7	2032.2	2036.5
17.5°	1996.2	1993.3	1990.4	1987.5	1988.9	1990.4	1990.4	1991.8
20°	1948.6	1944.2	1941.3	1938.5	1939.9	1939.9	1942.8	1944.2
22.5°	1895.2	1890.9	1888.0	1886.5	1885.1	1885.1	1890.9	1892.3
25°	1846.2	1834.6	1833.2	1831.7	1830.3	1828.8	1833.2	1834.6
27.5°	1789.9	1779.8	1775.5	1772.6	1771.2	1768.3	1771.2	1779.8
30°	1727.9	1720.7	1716.3	1710.6	1710.6	1706.2	1710.6	1710.6
32.5°	1658.7	1657.2	1652.9	1651.4	1645.7	1641.3	1644.2	1652.9
35°	1586.5	1588.0	1588.0	1585.1	1576.4	1570.7	1572.1	1580.8
37.5°	1515.9	1510.1	1511.5	1505.8	1492.8	1487.0	1487.0	1491.3
40°	1432.2	1425.0	1426.4	1423.6	1419.2	1416.3	1417.8	1414.9
42.5°	1361.5	1354.3	1357.2	1352.9	1348.6	1344.2	1347.1	1345.7
45°	1289.4	1282.2	1280.8	1283.7	1276.4	1276.4	1275.0	1276.4
47.5°	1215.9	1210.1	1211.5	1211.5	1204.3	1204.3	1202.9	1207.2
50°	1142.3	1138.0	1138.0	1135.1	1132.2	1130.8	1130.8	1132.2
52.5°	1071.6	1064.4	1063.0	1065.9	1057.2	1058.7	1058.7	1057.2
55°	993.7	989.4	989.4	990.9	983.7	985.1	985.1	983.7
57.5°	923.1	915.9	915.9	917.3	913.0	911.5	910.1	911.5
60°	848.1	840.9	840.9	842.3	833.7	836.5	836.5	838.0
62.5°	773.1	770.2	764.4	763.0	763.0	761.5	763.0	761.5
65°	696.6	693.7	688.0	690.9	683.7	686.5	683.7	685.1
67.5°	620.2	617.3	613.0	614.4	608.7	611.5	611.5	611.5
70°	543.7	540.9	536.5	535.1	536.5	535.1	535.1	535.1
72.5°	467.3	465.9	460.1	460.1	461.5	460.1	457.2	458.7
75°	388.0	389.4	383.7	385.1	386.5	385.1	385.1	382.2
77.5°	310.1	311.5	310.1	307.2	308.7	308.7	307.2	305.8
80°	236.5	238.0	236.5	233.7	235.1	233.7	233.7	232.2
82.5°	163.0	164.4	161.5	158.7	160.1	158.7	157.2	155.8
85°	92.3	92.3	92.3	89.4	90.9	90.9	89.4	88.0
87.5°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	30.3
90°	5.8	7.2	5.8	5.8	5.8	5.8	5.8	5.8
92.5°	13.0	13.0	11.5	11.5	11.5	10.1	10.1	11.5
95°	23.1	24.5	23.1	23.1	23.1	23.1	23.1	23.1
97.5°	36.1	36.1	36.1	34.6	34.6	33.2	33.2	34.6
100°	49.0	49.0	49.0	49.0	49.0	47.6	47.6	49.0
102.5°	57.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
105°	63.5	64.9	64.9	64.9	66.3	66.3	66.3	66.3
107.5°	70.7	72.1	72.1	72.1	72.1	72.1	73.6	72.1
110°	85.1	83.7	82.2	82.2	82.2	80.8	82.2	82.2



TEST NUMBER: P303102

CATALOG NUMBER: CTW-F-2575-50L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	96.6	98.1	98.1	98.1	98.1	98.1	96.6	98.1
115°	105.3	106.7	106.7	108.2	108.2	108.2	109.6	109.6
117.5°	112.5	113.9	113.9	115.4	115.4	116.8	118.3	118.3
120°	119.7	121.2	121.2	121.2	122.6	122.6	122.6	124.0
122.5°	131.2	129.8	129.8	129.8	129.8	128.4	129.8	129.8
125°	145.7	142.8	141.3	141.3	139.9	138.5	138.5	138.5
127.5°	161.5	158.7	157.2	155.8	154.3	151.4	151.4	150.0
130°	183.2	177.4	176.0	173.1	168.7	167.3	167.3	165.9
132.5°	207.7	201.9	197.6	196.2	190.4	187.5	186.1	186.1
135°	235.1	227.9	225.0	222.1	216.3	212.0	212.0	209.1
137.5°	261.1	252.4	251.0	249.5	243.7	239.4	236.5	233.7
140°	285.6	279.8	275.5	275.5	269.7	263.9	262.5	259.6
142.5°	314.4	308.7	300.0	300.0	292.8	291.3	288.5	287.0
145°	338.9	333.2	330.3	330.3	321.6	320.2	315.9	317.3
147.5°	363.5	359.1	354.8	354.8	347.6	344.7	341.8	340.4
150°	388.0	382.2	379.3	379.3	373.6	369.2	367.8	366.3
152.5°	408.2	402.4	402.4	401.0	393.7	393.7	390.9	392.3
155°	429.8	424.0	425.5	422.6	418.3	415.4	413.9	413.9
157.5°	448.6	445.7	442.8	441.3	439.9	438.5	435.6	434.1
160°	468.7	465.9	463.0	461.5	461.5	458.7	455.8	458.7
162.5°	487.5	483.2	483.2	481.7	481.7	478.8	477.4	478.8
165°	503.4	500.5	500.5	500.5	497.6	500.5	496.2	496.2
167.5°	517.8	517.8	516.3	512.0	512.0	510.6	512.0	513.5
170°	530.8	532.2	529.3	527.9	527.9	527.9	527.9	527.9
172.5°	546.6	543.7	545.2	540.9	542.3	539.4	538.0	540.9
175°	556.7	555.3	555.3	555.3	551.0	552.4	549.5	548.1
177.5°	566.8	566.8	565.4	565.4	563.9	562.5	562.5	559.6
180°	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5

(END OF REPORT)