

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: P303091

Luminaire Tested: **CTW-F-2575-40L830-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-40L830-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

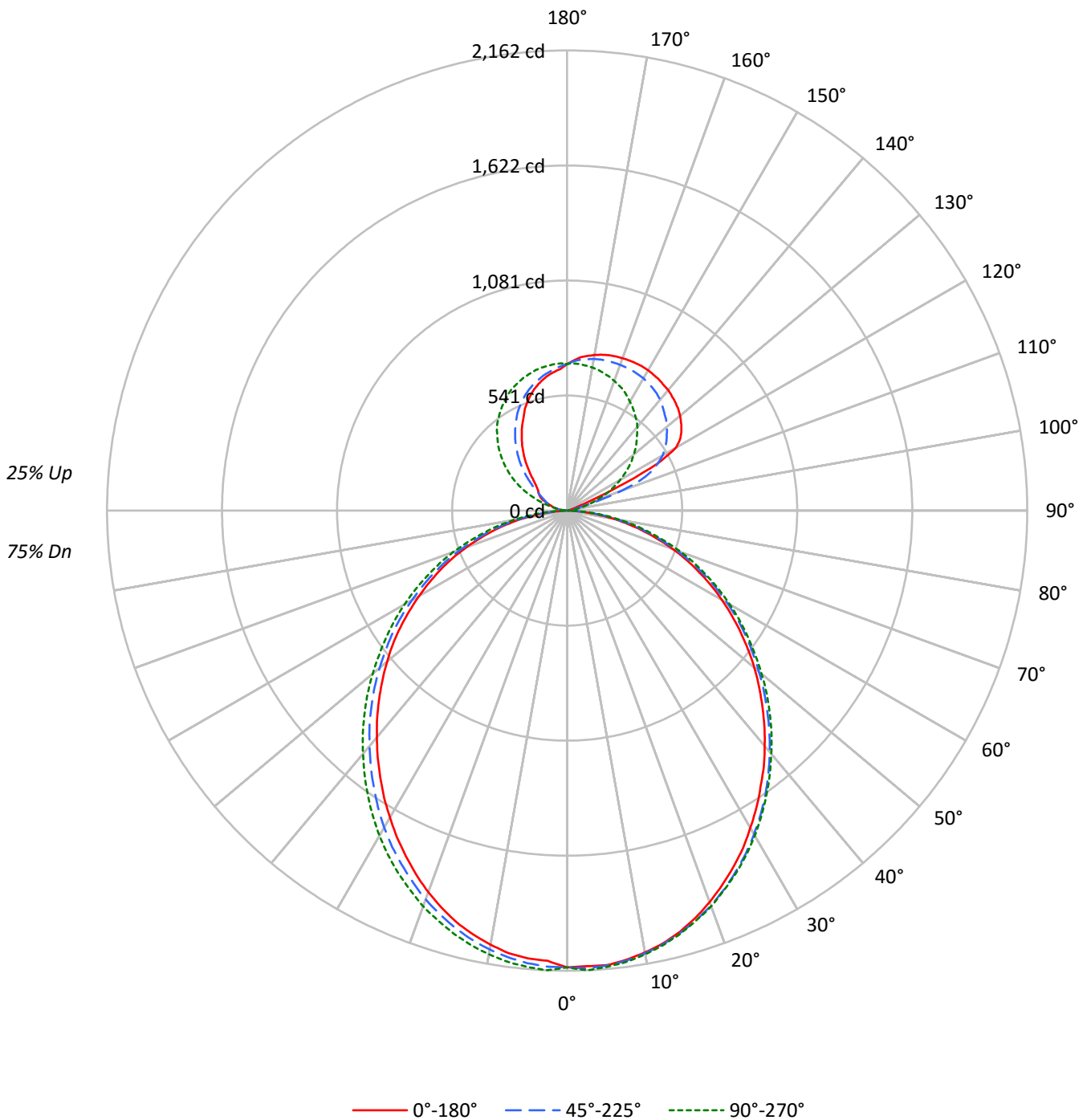
Lumens per Lamp: N/A
Luminaire Lumens: 7678.8 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 68.5
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



TEST NUMBER: P303091
CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

Luminous Intensity Polar Plot





TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	69	68	66	63
2	94	86	79	74	89	82	76	71	74	70	66	67	64	61	61	58	56	52
3	86	76	68	62	81	72	65	59	66	60	55	59	55	51	54	50	47	44
4	78	67	58	52	74	64	56	50	58	52	47	53	48	44	48	44	41	38
5	72	60	51	45	68	57	49	43	52	46	41	48	42	38	43	39	35	33
6	66	54	45	39	63	51	44	38	47	40	36	43	38	33	39	35	31	29
7	61	49	40	34	58	47	39	33	43	36	31	39	34	29	36	31	28	25
8	57	44	36	30	54	42	35	30	39	33	28	36	30	26	33	28	25	23
9	53	40	33	27	51	39	32	27	36	30	25	33	28	24	30	26	22	20
10	50	37	30	25	47	36	29	24	33	27	23	31	25	22	28	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	23102	23102	23102
5°	23168	23251	22815
10°	23037	23142	22638
15°	22823	22930	22330
20°	22425	22667	21852
25°	21949	22314	21287
30°	21393	21919	20699
35°	20822	21454	20115
40°	20293	20969	19537
45°	19731	20492	18999
50°	19226	19966	18484
55°	18657	19451	17937
60°	18092	19003	17304
65°	17436	18465	16703
70°	16642	17914	15855
75°	15438	16877	14635
80°	13588	15732	12875
85°	9263	13536	7842



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	2.6
10°-20°	573.8	7.5
20°-30°	850.0	11.1
30°-40°	997.2	13.0
40°-50°	1010.7	13.2
50°-60°	900.8	11.7
60°-70°	690.0	9.0
70°-80°	404.7	5.3
80°-90°	106.3	1.4
90°-100°	19.8	0.3
100°-110°	85.8	1.1
110°-120°	238.7	3.1
120°-130°	340.9	4.4
130°-140°	366.6	4.8
140°-150°	349.1	4.5
150°-160°	287.6	3.7
160°-170°	188.7	2.5
170°-180°	65.4	0.9
0°-30°	1626.4	21.2
0°-40°	2623.6	34.2
0°-60°	4535.1	59.1
0°-90°	5736.1	74.7
90°-120°	344.4	4.5
90°-150°	1401.0	18.2
90°-180°	1943.0	25.3
0°-180°	7678.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2146	2146	2146	2146	2146	
5°	2144	2146	2152	2135	2112	203
15°	2048	2054	2058	2031	2004	577
25°	1848	1873	1879	1836	1792	851
35°	1585	1625	1633	1585	1531	992
45°	1296	1329	1346	1300	1248	1001
55°	994	1023	1036	1000	956	889
65°	685	708	725	686	656	678
75°	371	390	406	375	352	392
85°	75	92	110	79	64	92
90°	2	2	2	4	6	3
95°	6	6	15	25	21	6
105°	23	62	92	67	73	26
115°	267	438	223	119	133	287
125°	656	569	350	192	167	583
135°	719	646	462	308	244	555
145°	752	702	554	427	367	471
155°	764	725	625	533	485	353
165°	756	729	667	614	592	214
175°	723	712	690	669	656	69
180°	688	688	688	688	688	



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	2142.3	2140.4	2142.3	2140.4	2146.2	2146.2	2146.2	2144.2	2148.1	2155.8	2151.9
5°	2144.2	2142.3	2140.4	2134.6	2138.5	2138.5	2138.5	2136.5	2140.4	2150.0	2146.2
7.5°	2128.8	2128.8	2126.9	2123.1	2126.9	2126.9	2125.0	2123.1	2126.9	2134.6	2132.7
10°	2107.7	2105.8	2103.8	2100.0	2105.8	2105.8	2105.8	2103.8	2107.7	2117.3	2111.5
12.5°	2082.7	2078.8	2076.9	2073.1	2078.8	2078.8	2078.8	2076.9	2080.8	2090.4	2086.5
15°	2048.1	2046.2	2046.2	2044.2	2050.0	2050.0	2050.0	2046.2	2050.0	2057.7	2053.8
17.5°	2005.8	2003.8	2007.7	2005.8	2009.6	2009.6	2009.6	2005.8	2007.7	2019.2	2017.3
20°	1957.7	1955.8	1955.8	1953.8	1959.6	1959.6	1961.5	1957.7	1963.5	1975.0	1975.0
22.5°	1903.8	1903.8	1905.8	1903.8	1907.7	1909.6	1907.7	1905.8	1911.5	1923.1	1926.9
25°	1848.1	1846.2	1846.2	1850.0	1851.9	1853.8	1853.8	1851.9	1855.8	1867.3	1873.1
27.5°	1788.5	1784.6	1788.5	1788.5	1792.3	1794.2	1796.2	1796.2	1800.0	1807.7	1817.3
30°	1721.2	1721.2	1723.1	1725.0	1725.0	1730.8	1732.7	1732.7	1736.5	1746.2	1755.8
32.5°	1655.8	1653.8	1657.7	1659.6	1661.5	1665.4	1665.4	1667.3	1669.2	1678.8	1692.3
35°	1584.6	1586.5	1586.5	1590.4	1594.2	1596.2	1598.1	1596.2	1601.9	1607.7	1625.0
37.5°	1517.3	1515.4	1515.4	1517.3	1523.1	1525.0	1526.9	1526.9	1530.8	1538.5	1553.8
40°	1444.2	1442.3	1446.2	1448.1	1450.0	1453.8	1453.8	1457.7	1463.5	1469.2	1480.8
42.5°	1371.2	1369.2	1373.1	1375.0	1378.8	1380.8	1380.8	1384.6	1390.4	1398.1	1405.8
45°	1296.2	1294.2	1298.1	1300.0	1303.8	1305.8	1305.8	1311.5	1317.3	1321.2	1328.8
47.5°	1223.1	1221.2	1223.1	1226.9	1230.8	1232.7	1232.7	1236.5	1240.4	1248.1	1253.8
50°	1148.1	1144.2	1148.1	1150.0	1153.8	1151.9	1155.8	1159.6	1167.3	1175.0	1175.0
52.5°	1071.2	1067.3	1071.2	1073.1	1076.9	1078.8	1078.8	1080.8	1090.4	1096.2	1100.0
55°	994.2	992.3	994.2	996.2	1000.0	1003.8	1001.9	1007.7	1011.5	1019.2	1023.1
57.5°	917.3	915.4	917.3	919.2	923.1	925.0	925.0	930.8	932.7	938.5	948.1
60°	840.4	836.5	840.4	842.3	846.2	846.2	848.1	850.0	855.8	863.5	867.3
62.5°	763.5	763.5	763.5	763.5	767.3	767.3	773.1	775.0	775.0	782.7	788.5
65°	684.6	684.6	684.6	684.6	688.5	692.3	690.4	696.2	698.1	703.8	707.7
67.5°	607.7	605.8	607.7	607.7	611.5	613.5	613.5	617.3	619.2	621.2	630.8
70°	528.8	530.8	528.8	528.8	528.8	532.7	536.5	538.5	540.4	542.3	548.1
72.5°	448.1	446.2	448.1	448.1	448.1	451.9	453.8	457.7	457.7	461.5	465.4
75°	371.2	371.2	373.1	371.2	371.2	376.9	376.9	380.8	380.8	384.6	390.4
77.5°	294.2	298.1	296.2	296.2	296.2	300.0	300.0	303.8	305.8	307.7	313.5
80°	219.2	223.1	221.2	221.2	221.2	223.1	225.0	228.8	228.8	232.7	236.5
82.5°	146.2	146.2	148.1	148.1	148.1	150.0	153.8	155.8	155.8	159.6	163.5
85°	75.0	80.8	78.8	78.8	78.8	80.8	82.7	84.6	86.5	88.5	92.3
87.5°	15.4	17.3	17.3	15.4	19.2	17.3	19.2	21.2	21.2	23.1	26.9
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
97.5°	7.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	11.5
100°	11.5	11.5	11.5	11.5	11.5	13.5	13.5	13.5	13.5	15.4	17.3
102.5°	15.4	15.4	17.3	17.3	17.3	17.3	17.3	19.2	21.2	23.1	30.8
105°	23.1	21.2	23.1	23.1	23.1	25.0	25.0	28.8	32.7	42.3	61.5
107.5°	30.8	30.8	30.8	32.7	34.6	38.5	40.4	48.1	65.4	92.3	142.3
110°	48.1	46.2	50.0	53.8	65.4	71.2	80.8	109.6	155.8	211.5	271.2



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.9	100.0	113.5	126.9	151.9	175.0	205.8	263.5	323.1	359.6	375.0
115°	267.3	261.5	278.8	313.5	357.7	380.8	401.9	430.8	448.1	448.1	438.5
117.5°	482.7	475.0	494.2	503.8	513.5	521.2	521.2	521.2	513.5	500.0	480.8
120°	590.4	584.6	586.5	582.7	578.8	575.0	571.2	563.5	550.0	534.6	517.3
122.5°	630.8	628.8	625.0	619.2	613.5	607.7	603.8	594.2	580.8	563.5	546.2
125°	655.8	653.8	650.0	644.2	636.5	632.7	628.8	617.3	603.8	588.5	569.2
127.5°	675.0	675.0	669.2	665.4	657.7	653.8	648.1	638.5	625.0	607.7	590.4
130°	692.3	692.3	686.5	684.6	675.0	673.1	667.3	655.8	642.3	626.9	611.5
132.5°	707.7	705.8	703.8	700.0	692.3	688.5	684.6	675.0	659.6	644.2	630.8
135°	719.2	717.3	715.4	711.5	703.8	701.9	698.1	688.5	673.1	659.6	646.2
137.5°	728.8	728.8	725.0	723.1	715.4	713.5	709.6	700.0	686.5	675.0	663.5
140°	738.5	738.5	734.6	732.7	725.0	723.1	721.2	711.5	698.1	688.5	678.8
142.5°	744.2	746.2	742.3	740.4	732.7	730.8	728.8	719.2	709.6	700.0	692.3
145°	751.9	751.9	748.1	746.2	742.3	740.4	736.5	728.8	719.2	709.6	701.9
147.5°	755.8	757.7	753.8	751.9	748.1	746.2	742.3	734.6	725.0	717.3	709.6
150°	761.5	761.5	757.7	755.8	751.9	750.0	748.1	740.4	730.8	725.0	717.3
152.5°	763.5	763.5	759.6	757.7	753.8	751.9	750.0	742.3	734.6	728.8	721.2
155°	763.5	763.5	761.5	757.7	755.8	753.8	750.0	744.2	736.5	732.7	725.0
157.5°	763.5	761.5	761.5	757.7	755.8	751.9	750.0	742.3	738.5	734.6	726.9
160°	761.5	761.5	759.6	755.8	755.8	751.9	750.0	744.2	738.5	736.5	728.8
162.5°	759.6	757.7	757.7	753.8	753.8	751.9	748.1	744.2	738.5	736.5	728.8
165°	755.8	753.8	753.8	750.0	750.0	748.1	746.2	738.5	736.5	734.6	728.8
167.5°	750.0	748.1	746.2	742.3	742.3	740.4	738.5	732.7	730.8	730.8	726.9
170°	742.3	738.5	736.5	734.6	734.6	732.7	730.8	726.9	726.9	726.9	723.1
172.5°	732.7	728.8	728.8	726.9	725.0	725.0	723.1	719.2	719.2	719.2	717.3
175°	723.1	719.2	717.3	715.4	717.3	715.4	713.5	711.5	711.5	713.5	711.5
177.5°	705.8	701.9	703.8	703.8	703.8	703.8	701.9	701.9	701.9	701.9	701.9
180°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	2138.5	2132.7	2132.7	2140.4	2142.3	2146.2	2150.0	2157.7	2161.5	2161.5	2159.6
5°	2132.7	2126.9	2125.0	2132.7	2134.6	2138.5	2142.3	2150.0	2151.9	2151.9	2150.0
7.5°	2119.2	2113.5	2111.5	2119.2	2121.2	2125.0	2126.9	2134.6	2138.5	2138.5	2134.6
10°	2098.1	2092.3	2092.3	2100.0	2101.9	2103.8	2107.7	2113.5	2117.3	2117.3	2115.4
12.5°	2073.1	2067.3	2065.4	2073.1	2075.0	2076.9	2080.8	2088.5	2090.4	2090.4	2086.5
15°	2042.3	2034.6	2034.6	2042.3	2044.2	2046.2	2050.0	2055.8	2057.7	2057.7	2053.8
17.5°	2003.8	2000.0	1996.2	2003.8	2005.8	2007.7	2009.6	2017.3	2021.2	2019.2	2015.4
20°	1961.5	1955.8	1951.9	1961.5	1963.5	1965.4	1967.3	1975.0	1978.8	1978.8	1973.1
22.5°	1915.4	1909.6	1905.8	1913.5	1917.3	1917.3	1921.2	1926.9	1930.8	1928.8	1925.0
25°	1863.5	1855.8	1855.8	1861.5	1865.4	1865.4	1869.2	1875.0	1878.8	1878.8	1873.1
27.5°	1807.7	1801.9	1798.1	1801.9	1807.7	1809.6	1813.5	1819.2	1823.1	1823.1	1817.3
30°	1750.0	1744.2	1736.5	1742.3	1748.1	1750.0	1753.8	1761.5	1763.5	1763.5	1753.8
32.5°	1688.5	1678.8	1676.9	1680.8	1684.6	1688.5	1692.3	1698.1	1698.1	1700.0	1694.2
35°	1619.2	1615.4	1611.5	1615.4	1619.2	1621.2	1626.9	1632.7	1632.7	1632.7	1626.9
37.5°	1551.9	1551.9	1544.2	1546.2	1550.0	1551.9	1559.6	1563.5	1565.4	1563.5	1561.5
40°	1486.5	1480.8	1476.9	1476.9	1478.8	1484.6	1488.5	1492.3	1494.2	1492.3	1488.5
42.5°	1415.4	1411.5	1405.8	1405.8	1407.7	1413.5	1421.2	1423.1	1421.2	1421.2	1413.5
45°	1338.5	1338.5	1334.6	1334.6	1334.6	1340.4	1348.1	1350.0	1348.1	1346.2	1342.3
47.5°	1261.5	1263.5	1263.5	1261.5	1261.5	1261.5	1269.2	1271.2	1273.1	1271.2	1267.3
50°	1184.6	1186.5	1186.5	1186.5	1184.6	1190.4	1192.3	1196.2	1194.2	1192.3	1190.4
52.5°	1103.8	1109.6	1109.6	1111.5	1111.5	1111.5	1119.2	1121.2	1115.4	1113.5	1111.5
55°	1025.0	1032.7	1032.7	1034.6	1034.6	1034.6	1040.4	1044.2	1038.5	1036.5	1034.6
57.5°	948.1	953.8	953.8	957.7	961.5	957.7	961.5	965.4	959.6	961.5	957.7
60°	869.2	873.1	875.0	878.8	880.8	880.8	884.6	888.5	880.8	882.7	880.8
62.5°	794.2	794.2	796.2	800.0	801.9	800.0	803.8	809.6	801.9	803.8	801.9
65°	709.6	715.4	715.4	719.2	721.2	721.2	725.0	728.8	723.1	725.0	719.2
67.5°	630.8	634.6	636.5	642.3	646.2	644.2	646.2	650.0	646.2	648.1	642.3
70°	551.9	555.8	555.8	557.7	563.5	565.4	567.3	569.2	567.3	569.2	565.4
72.5°	469.2	471.2	473.1	475.0	480.8	480.8	482.7	484.6	490.4	486.5	486.5
75°	390.4	394.2	394.2	400.0	403.8	403.8	405.8	407.7	411.5	405.8	405.8
77.5°	313.5	317.3	317.3	323.1	325.0	325.0	328.8	330.8	332.7	330.8	330.8
80°	238.5	240.4	242.3	244.2	248.1	250.0	251.9	253.8	255.8	253.8	255.8
82.5°	167.3	167.3	169.2	171.2	175.0	176.9	178.8	180.8	182.7	180.8	182.7
85°	94.2	98.1	98.1	103.8	105.8	105.8	107.7	109.6	111.5	109.6	111.5
87.5°	28.8	32.7	34.6	36.5	40.4	40.4	44.2	46.2	46.2	44.2	46.2
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°	3.8	3.8	3.8	5.8	5.8	5.8	7.7	7.7	7.7	5.8	7.7
95°	7.7	7.7	9.6	13.5	17.3	19.2	23.1	23.1	19.2	15.4	15.4
97.5°	13.5	15.4	23.1	32.7	36.5	42.3	46.2	42.3	34.6	28.8	26.9
100°	23.1	30.8	48.1	67.3	73.1	78.8	76.9	67.3	55.8	46.2	40.4
102.5°	42.3	65.4	98.1	117.3	121.2	121.2	111.5	96.2	80.8	67.3	59.6
105°	94.2	134.6	171.2	175.0	173.1	167.3	150.0	130.8	111.5	92.3	82.7
107.5°	194.2	228.8	240.4	228.8	223.1	211.5	190.4	167.3	142.3	123.1	107.7
110°	301.9	305.8	294.2	275.0	263.5	253.8	226.9	203.8	176.9	153.8	136.5



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	375.0	361.5	340.4	317.3	305.8	292.3	267.3	240.4	211.5	186.5	167.3
115°	423.1	401.9	378.8	353.8	342.3	330.8	303.8	275.0	246.2	223.1	200.0
117.5°	459.6	436.5	413.5	388.5	376.9	365.4	336.5	309.6	278.8	255.8	232.7
120°	490.4	469.2	444.2	421.2	409.6	398.1	369.2	342.3	313.5	288.5	263.5
122.5°	525.0	503.8	473.1	451.9	440.4	426.9	400.0	373.1	344.2	319.2	294.2
125°	550.0	528.8	505.8	478.8	467.3	453.8	426.9	401.9	375.0	350.0	326.9
127.5°	575.0	553.8	532.7	507.7	494.2	478.8	453.8	428.8	403.8	380.8	355.8
130°	596.2	576.9	555.8	532.7	519.2	507.7	478.8	453.8	430.8	407.7	386.5
132.5°	617.3	598.1	575.0	553.8	540.4	530.8	507.7	480.8	457.7	436.5	413.5
135°	632.7	615.4	592.3	569.2	559.6	550.0	528.8	507.7	482.7	461.5	440.4
137.5°	650.0	630.8	607.7	586.5	576.9	569.2	550.0	528.8	509.6	486.5	465.4
140°	663.5	644.2	623.1	601.9	594.2	586.5	569.2	550.0	532.7	513.5	490.4
142.5°	675.0	655.8	634.6	615.4	609.6	601.9	584.6	569.2	551.9	534.6	515.4
145°	686.5	665.4	646.2	630.8	623.1	615.4	601.9	586.5	571.2	553.8	536.5
147.5°	696.2	675.0	657.7	642.3	636.5	630.8	615.4	601.9	588.5	573.1	555.8
150°	703.8	684.6	669.2	655.8	650.0	644.2	628.8	617.3	605.8	590.4	575.0
152.5°	707.7	690.4	676.9	665.4	661.5	655.8	644.2	632.7	621.2	607.7	594.2
155°	711.5	696.2	684.6	675.0	671.2	667.3	655.8	646.2	636.5	625.0	609.6
157.5°	713.5	701.9	690.4	682.7	678.8	675.0	665.4	657.7	648.1	636.5	625.0
160°	717.3	705.8	694.2	688.5	686.5	682.7	673.1	667.3	659.6	648.1	638.5
162.5°	717.3	707.7	698.1	694.2	692.3	690.4	680.8	675.0	669.2	659.6	650.0
165°	719.2	709.6	701.9	698.1	696.2	694.2	688.5	682.7	676.9	667.3	661.5
167.5°	717.3	709.6	703.8	700.0	698.1	696.2	692.3	688.5	682.7	676.9	669.2
170°	713.5	707.7	703.8	701.9	700.0	698.1	694.2	692.3	686.5	682.7	676.9
172.5°	709.6	703.8	700.0	700.0	698.1	698.1	696.2	694.2	690.4	686.5	682.7
175°	703.8	700.0	696.2	696.2	696.2	696.2	694.2	694.2	692.3	690.4	686.5
177.5°	696.2	692.3	690.4	690.4	692.3	692.3	692.3	692.3	692.3	692.3	690.4
180°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	2146.2	2132.7	2132.7	2134.6	2138.5	2142.3	2142.3	2134.6	2144.2	2151.9	2144.2
5°	2136.5	2123.1	2125.0	2125.0	2128.8	2132.7	2132.7	2125.0	2134.6	2140.4	2130.8
7.5°	2121.2	2107.7	2107.7	2109.6	2111.5	2115.4	2115.4	2107.7	2117.3	2123.1	2113.5
10°	2100.0	2086.5	2086.5	2086.5	2090.4	2094.2	2092.3	2084.6	2094.2	2098.1	2090.4
12.5°	2071.2	2059.6	2059.6	2059.6	2061.5	2065.4	2063.5	2053.8	2065.4	2067.3	2057.7
15°	2038.5	2028.8	2026.9	2026.9	2028.8	2032.7	2028.8	2019.2	2030.8	2032.7	2025.0
17.5°	2001.9	1990.4	1988.5	1988.5	1990.4	1994.2	1988.5	1978.8	1988.5	1988.5	1980.8
20°	1959.6	1946.2	1944.2	1944.2	1946.2	1948.1	1940.4	1934.6	1944.2	1942.3	1934.6
22.5°	1911.5	1898.1	1896.2	1896.2	1898.1	1900.0	1890.4	1886.5	1892.3	1890.4	1880.8
25°	1857.7	1848.1	1846.2	1844.2	1848.1	1844.2	1838.5	1832.7	1836.5	1832.7	1823.1
27.5°	1801.9	1790.4	1786.5	1788.5	1792.3	1790.4	1776.9	1775.0	1780.8	1773.1	1763.5
30°	1740.4	1730.8	1726.9	1728.8	1728.8	1728.8	1715.4	1717.3	1719.2	1713.5	1700.0
32.5°	1676.9	1669.2	1667.3	1667.3	1669.2	1665.4	1651.9	1653.8	1653.8	1644.2	1634.6
35°	1611.5	1603.8	1600.0	1601.9	1603.8	1596.2	1584.6	1588.5	1584.6	1576.9	1567.3
37.5°	1544.2	1534.6	1534.6	1534.6	1536.5	1526.9	1515.4	1521.2	1515.4	1505.8	1498.1
40°	1471.2	1463.5	1465.4	1465.4	1467.3	1459.6	1450.0	1450.0	1444.2	1434.6	1425.0
42.5°	1403.8	1394.2	1398.1	1398.1	1398.1	1386.5	1380.8	1378.8	1375.0	1365.4	1357.7
45°	1328.8	1321.2	1326.9	1325.0	1326.9	1313.5	1309.6	1305.8	1300.0	1292.3	1282.7
47.5°	1251.9	1248.1	1253.8	1253.8	1253.8	1240.4	1236.5	1230.8	1226.9	1219.2	1205.8
50°	1175.0	1175.0	1178.8	1180.8	1176.9	1165.4	1161.5	1153.8	1150.0	1142.3	1130.8
52.5°	1101.9	1098.1	1103.8	1103.8	1100.0	1090.4	1084.6	1078.8	1073.1	1065.4	1057.7
55°	1026.9	1023.1	1028.8	1025.0	1023.1	1015.4	1007.7	1001.9	1000.0	988.5	980.8
57.5°	950.0	948.1	951.9	950.0	944.2	938.5	930.8	926.9	921.2	911.5	905.8
60°	873.1	873.1	873.1	871.2	867.3	859.6	853.8	850.0	842.3	834.6	830.8
62.5°	796.2	796.2	794.2	792.3	788.5	782.7	775.0	775.0	763.5	755.8	753.8
65°	719.2	717.3	715.4	709.6	709.6	705.8	698.1	692.3	686.5	678.8	676.9
67.5°	642.3	638.5	632.7	632.7	628.8	626.9	619.2	613.5	609.6	603.8	600.0
70°	565.4	559.6	553.8	555.8	550.0	548.1	540.4	538.5	528.8	523.1	523.1
72.5°	482.7	476.9	471.2	473.1	469.2	465.4	459.6	453.8	448.1	446.2	442.3
75°	405.8	398.1	394.2	394.2	390.4	386.5	382.7	376.9	375.0	371.2	367.3
77.5°	326.9	321.2	319.2	319.2	313.5	311.5	307.7	305.8	300.0	300.0	292.3
80°	251.9	246.2	244.2	242.3	242.3	236.5	234.6	228.8	226.9	223.1	217.3
82.5°	176.9	173.1	171.2	171.2	171.2	163.5	161.5	155.8	153.8	148.1	142.3
85°	107.7	103.8	100.0	101.9	100.0	92.3	90.4	82.7	78.8	76.9	73.1
87.5°	44.2	38.5	34.6	32.7	32.7	28.8	26.9	25.0	19.2	17.3	15.4
90°	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.8	5.8
92.5°	9.6	11.5	11.5	11.5	13.5	13.5	11.5	11.5	11.5	11.5	9.6
95°	17.3	19.2	23.1	23.1	25.0	26.9	26.9	25.0	25.0	25.0	23.1
97.5°	25.0	28.8	28.8	30.8	32.7	34.6	36.5	38.5	38.5	38.5	38.5
100°	38.5	36.5	40.4	42.3	42.3	42.3	44.2	46.2	48.1	50.0	50.0
102.5°	55.8	50.0	50.0	50.0	53.8	57.7	53.8	53.8	55.8	57.7	59.6
105°	73.1	67.3	63.5	63.5	63.5	67.3	71.2	69.2	67.3	69.2	69.2
107.5°	96.2	86.5	78.8	78.8	78.8	76.9	80.8	82.7	86.5	84.6	80.8
110°	121.2	109.6	100.0	94.2	94.2	92.3	92.3	94.2	98.1	100.0	101.9



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	150.0	134.6	121.2	119.2	113.5	107.7	105.8	105.8	107.7	111.5	115.4
115°	180.8	163.5	146.2	142.3	136.5	125.0	121.2	119.2	119.2	121.2	125.0
117.5°	211.5	192.3	175.0	167.3	161.5	150.0	140.4	134.6	132.7	132.7	134.6
120°	242.3	225.0	205.8	196.2	188.5	175.0	161.5	151.9	148.1	146.2	146.2
122.5°	273.1	255.8	234.6	226.9	219.2	201.9	188.5	175.0	167.3	161.5	159.6
125°	303.8	286.5	267.3	257.7	248.1	230.8	217.3	203.8	192.3	182.7	176.9
127.5°	334.6	315.4	298.1	290.4	280.8	261.5	244.2	230.8	219.2	207.7	198.1
130°	361.5	346.2	328.8	321.2	311.5	290.4	275.0	261.5	248.1	234.6	225.0
132.5°	392.3	373.1	357.7	350.0	340.4	321.2	305.8	290.4	278.8	265.4	253.8
135°	417.3	401.9	384.6	376.9	369.2	351.9	336.5	321.2	307.7	296.2	286.5
137.5°	444.2	426.9	411.5	405.8	396.2	378.8	367.3	351.9	338.5	325.0	315.4
140°	469.2	451.9	436.5	430.8	423.1	407.7	392.3	380.8	367.3	355.8	346.2
142.5°	494.2	473.1	461.5	455.8	448.1	432.7	419.2	409.6	398.1	386.5	376.9
145°	517.3	501.9	482.7	478.8	473.1	457.7	446.2	436.5	426.9	415.4	405.8
147.5°	536.5	523.1	509.6	505.8	500.0	484.6	471.2	463.5	453.8	444.2	434.6
150°	557.7	544.2	532.7	528.8	523.1	513.5	500.0	486.5	480.8	469.2	461.5
152.5°	576.9	563.5	551.9	550.0	544.2	534.6	523.1	513.5	509.6	500.0	486.5
155°	594.2	580.8	571.2	569.2	565.4	555.8	546.2	536.5	532.7	523.1	515.4
157.5°	609.6	596.2	588.5	586.5	582.7	575.0	565.4	555.8	553.8	546.2	540.4
160°	625.0	611.5	605.8	603.8	600.0	594.2	586.5	576.9	576.9	569.2	563.5
162.5°	636.5	626.9	621.2	617.3	615.4	611.5	603.8	596.2	596.2	590.4	584.6
165°	650.0	638.5	634.6	632.7	630.8	626.9	621.2	613.5	613.5	609.6	603.8
167.5°	659.6	650.0	646.2	644.2	642.3	640.4	636.5	628.8	628.8	626.9	621.2
170°	667.3	659.6	655.8	653.8	653.8	651.9	650.0	644.2	644.2	642.3	636.5
172.5°	675.0	667.3	665.4	665.4	663.5	663.5	661.5	655.8	655.8	657.7	651.9
175°	680.8	673.1	673.1	671.2	673.1	673.1	671.2	667.3	669.2	671.2	667.3
177.5°	682.7	678.8	678.8	678.8	678.8	680.8	680.8	675.0	678.8	682.7	676.9
180°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2	2146.2
2.5°	2144.2	2140.4	2138.5	2138.5	2140.4	2128.8	2119.2	2117.3
5°	2130.8	2126.9	2125.0	2125.0	2128.8	2121.2	2113.5	2111.5
7.5°	2111.5	2109.6	2105.8	2107.7	2113.5	2105.8	2098.1	2098.1
10°	2086.5	2084.6	2080.8	2082.7	2086.5	2078.8	2071.2	2071.2
12.5°	2055.8	2050.0	2048.1	2050.0	2053.8	2046.2	2038.5	2040.4
15°	2019.2	2015.4	2013.5	2015.4	2019.2	2011.5	2001.9	2003.8
17.5°	1978.8	1973.1	1973.1	1975.0	1976.9	1967.3	1957.7	1957.7
20°	1928.8	1923.1	1923.1	1925.0	1925.0	1913.5	1907.7	1907.7
22.5°	1873.1	1867.3	1865.4	1869.2	1869.2	1859.6	1853.8	1851.9
25°	1817.3	1807.7	1807.7	1811.5	1809.6	1801.9	1794.2	1792.3
27.5°	1759.6	1748.1	1751.9	1751.9	1750.0	1738.5	1732.7	1730.8
30°	1696.2	1686.5	1684.6	1688.5	1682.7	1673.1	1669.2	1665.4
32.5°	1630.8	1621.2	1623.1	1621.2	1617.3	1607.7	1600.0	1600.0
35°	1563.5	1551.9	1555.8	1553.8	1546.2	1540.4	1534.6	1530.8
37.5°	1492.3	1482.7	1486.5	1482.7	1476.9	1471.2	1463.5	1461.5
40°	1419.2	1415.4	1415.4	1411.5	1405.8	1398.1	1396.2	1390.4
42.5°	1346.2	1344.2	1344.2	1338.5	1332.7	1326.9	1323.1	1321.2
45°	1275.0	1269.2	1273.1	1267.3	1259.6	1253.8	1250.0	1248.1
47.5°	1201.9	1196.2	1196.2	1192.3	1184.6	1180.8	1176.9	1176.9
50°	1128.8	1121.2	1119.2	1117.3	1111.5	1107.7	1101.9	1103.8
52.5°	1053.8	1050.0	1048.1	1042.3	1036.5	1032.7	1030.8	1032.7
55°	978.8	975.0	971.2	967.3	961.5	957.7	953.8	955.8
57.5°	903.8	896.2	896.2	890.4	886.5	882.7	878.8	878.8
60°	826.9	823.1	819.2	815.4	811.5	807.7	807.7	803.8
62.5°	750.0	746.2	742.3	736.5	734.6	730.8	732.7	728.8
65°	673.1	667.3	667.3	661.5	659.6	655.8	657.7	655.8
67.5°	596.2	592.3	590.4	586.5	582.7	580.8	580.8	580.8
70°	519.2	515.4	513.5	513.5	507.7	501.9	505.8	503.8
72.5°	438.5	436.5	432.7	430.8	426.9	425.0	426.9	425.0
75°	363.5	361.5	359.6	357.7	351.9	351.9	353.8	351.9
77.5°	288.5	286.5	284.6	286.5	278.8	278.8	278.8	276.9
80°	215.4	213.5	209.6	211.5	207.7	203.8	203.8	207.7
82.5°	138.5	138.5	134.6	134.6	134.6	128.8	130.8	132.7
85°	71.2	71.2	69.2	71.2	65.4	65.4	65.4	63.5
87.5°	15.4	15.4	13.5	15.4	13.5	13.5	13.5	15.4
90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
92.5°	9.6	9.6	9.6	11.5	9.6	9.6	9.6	9.6
95°	23.1	25.0	25.0	25.0	23.1	23.1	23.1	21.2
97.5°	38.5	38.5	38.5	38.5	36.5	36.5	36.5	34.6
100°	50.0	51.9	51.9	51.9	51.9	51.9	51.9	50.0
102.5°	61.5	61.5	61.5	63.5	63.5	63.5	63.5	61.5
105°	69.2	71.2	71.2	73.1	75.0	75.0	75.0	73.1
107.5°	82.7	82.7	82.7	82.7	82.7	84.6	82.7	82.7
110°	100.0	98.1	98.1	98.1	96.2	96.2	96.2	96.2



TEST NUMBER: P303091

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	117.3	117.3	117.3	117.3	117.3	115.4	115.4	115.4
115°	126.9	130.8	130.8	130.8	130.8	130.8	132.7	132.7
117.5°	136.5	138.5	140.4	140.4	142.3	142.3	144.2	144.2
120°	146.2	148.1	148.1	150.0	150.0	150.0	151.9	151.9
122.5°	157.7	157.7	157.7	157.7	159.6	157.7	159.6	159.6
125°	173.1	171.2	171.2	169.2	169.2	167.3	167.3	167.3
127.5°	192.3	188.5	186.5	184.6	182.7	180.8	178.8	178.8
130°	217.3	209.6	207.7	205.8	200.0	198.1	196.2	196.2
132.5°	244.2	238.5	234.6	230.8	225.0	221.2	219.2	217.3
135°	276.9	269.2	263.5	259.6	253.8	248.1	244.2	244.2
137.5°	305.8	298.1	294.2	290.4	284.6	278.8	276.9	275.0
140°	336.5	328.8	325.0	321.2	315.4	309.6	305.8	305.8
142.5°	365.4	357.7	355.8	351.9	346.2	340.4	338.5	336.5
145°	396.2	388.5	384.6	382.7	376.9	371.2	367.3	367.3
147.5°	425.0	417.3	415.4	411.5	407.7	400.0	398.1	396.2
150°	453.8	446.2	444.2	442.3	438.5	430.8	426.9	426.9
152.5°	480.8	473.1	471.2	471.2	467.3	461.5	457.7	455.8
155°	509.6	503.8	501.9	501.9	498.1	490.4	484.6	484.6
157.5°	534.6	528.8	526.9	526.9	523.1	519.2	517.3	517.3
160°	559.6	553.8	551.9	551.9	550.0	546.2	544.2	544.2
162.5°	580.8	576.9	575.0	575.0	575.0	571.2	567.3	569.2
165°	601.9	596.2	596.2	594.2	596.2	592.3	590.4	592.3
167.5°	617.3	615.4	613.5	613.5	613.5	611.5	611.5	611.5
170°	634.6	632.7	632.7	630.8	630.8	630.8	626.9	628.8
172.5°	650.0	648.1	648.1	648.1	648.1	646.2	642.3	644.2
175°	665.4	663.5	663.5	663.5	663.5	661.5	655.8	655.8
177.5°	678.8	678.8	676.9	676.9	676.9	673.1	665.4	667.3
180°	688.5	688.5	688.5	688.5	688.5	688.5	688.5	688.5

(END OF REPORT)