

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: P303212

Luminaire Tested: **CTW-F-7525-30L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-30L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

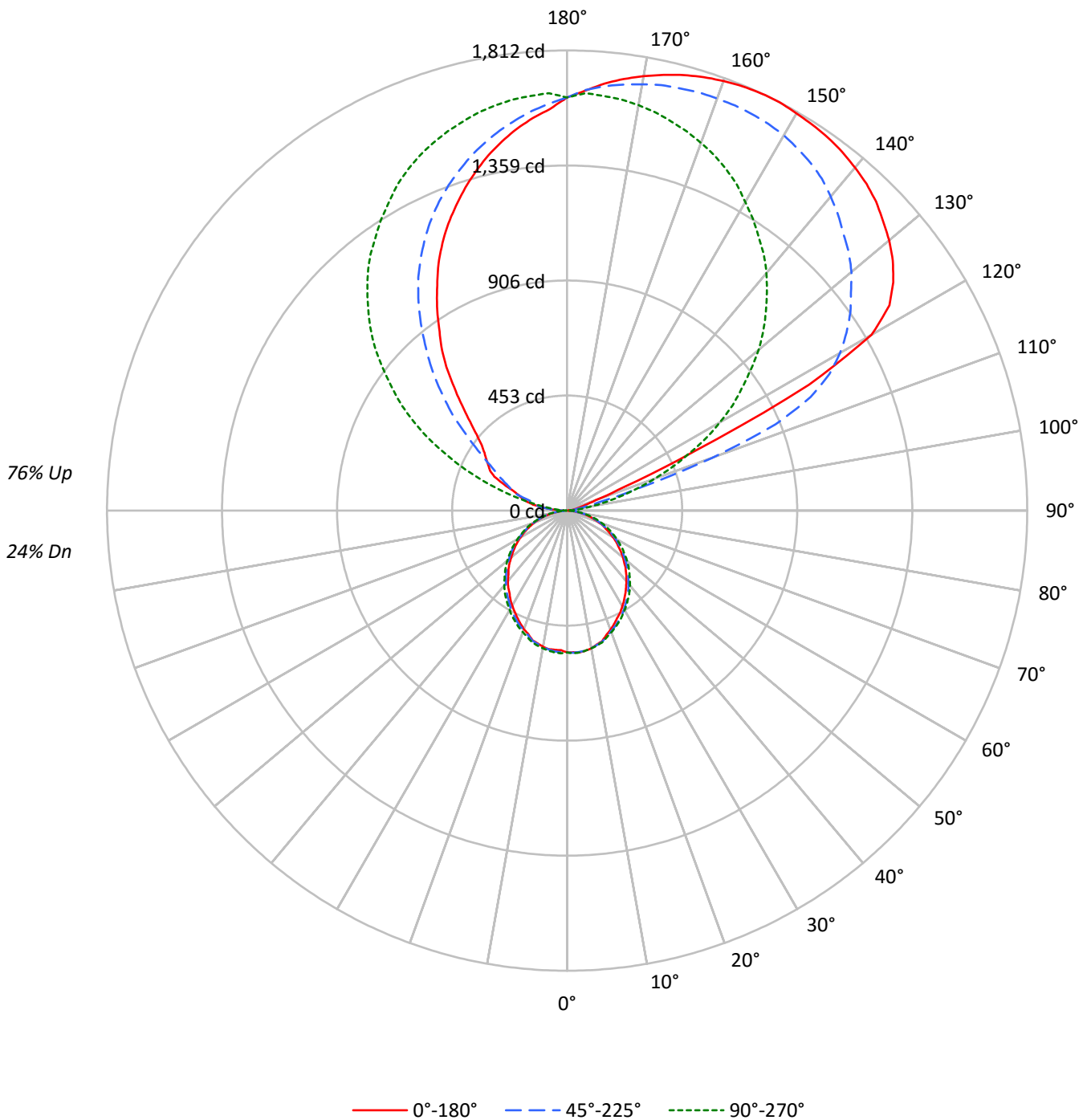
Lumens per Lamp: N/A
Luminaire Lumens: 6091.3 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 42.5
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



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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	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	72	60	58	56	44	42	41	29	28	27	20
2	84	77	71	66	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	20	18	17	12
5	64	53	45	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	13	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	15	13	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	6012	6012	6012
5°	6057	6057	5947
10°	6016	6016	5949
15°	5928	5974	5884
20°	5720	5837	5698
25°	5544	5738	5520
30°	5397	5624	5372
35°	5250	5518	5197
40°	5098	5414	5098
45°	4966	5275	4966
50°	4813	5154	4813
55°	4630	5011	4705
60°	4476	4872	4564
65°	4259	4725	4414
70°	4041	4620	4299
75°	3814	4408	4067
80°	3285	4042	3663
85°	2013	3520	3026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	0.9
10°-20°	148.7	2.4
20°-30°	218.3	3.6
30°-40°	255.9	4.2
40°-50°	259.3	4.3
50°-60°	231.1	3.8
60°-70°	177.4	2.9
70°-80°	105.2	1.7
80°-90°	29.5	0.5
90°-100°	48.3	0.8
100°-110°	200.2	3.3
110°-120°	562.8	9.2
120°-130°	813.0	13.3
130°-140°	874.3	14.4
140°-150°	831.6	13.7
150°-160°	682.7	11.2
160°-170°	445.8	7.3
170°-180°	154.5	2.5
0°-30°	419.7	6.9
0°-40°	675.6	11.1
0°-60°	1165.9	19.1
0°-90°	1478.1	24.3
90°-120°	811.3	13.3
90°-150°	3330.2	54.7
90°-180°	4613.0	75.7
0°-180°	6091.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	558	558	558	558	558	
5°	561	558	561	556	550	53
15°	532	534	536	530	528	149
25°	467	479	483	475	465	215
35°	400	414	420	410	396	250
45°	326	336	346	338	326	251
55°	247	257	267	261	251	221
65°	167	177	186	181	173	167
75°	92	98	106	102	98	96
85°	16	20	28	24	24	21
90°	4	2	2	10	16	2
95°	12	14	35	63	63	14
105°	55	141	218	153	184	65
115°	548	1058	528	277	316	639
125°	1568	1362	840	446	398	1390
135°	1720	1539	1107	734	585	1327
145°	1792	1672	1315	1021	879	1123
155°	1812	1722	1482	1266	1162	837
165°	1776	1720	1586	1449	1384	503
175°	1688	1678	1639	1580	1551	163
180°	1627	1627	1627	1627	1627	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	558.5	556.5	558.5	558.5	560.6	560.6	560.6	558.5	560.6	562.6	560.6
5°	560.6	560.6	558.5	558.5	558.5	558.5	558.5	556.5	558.5	560.6	558.5
7.5°	556.5	556.5	556.5	554.5	554.5	554.5	554.5	554.5	554.5	556.5	556.5
10°	550.4	550.4	548.3	546.3	548.3	548.3	548.3	546.3	548.3	550.4	550.4
12.5°	540.2	542.2	540.2	540.2	540.2	540.2	540.2	540.2	542.2	544.3	542.2
15°	532.0	532.0	532.0	530.0	530.0	530.0	530.0	528.0	532.0	534.1	534.1
17.5°	513.7	513.7	513.7	515.7	517.8	517.8	517.8	515.7	515.7	521.8	519.8
20°	499.4	499.4	499.4	499.4	501.5	501.5	501.5	501.5	501.5	505.5	505.5
22.5°	483.1	485.2	485.2	485.2	487.2	487.2	487.2	487.2	487.2	491.3	493.3
25°	466.8	468.8	468.8	470.9	470.9	470.9	470.9	472.9	472.9	477.0	479.0
27.5°	452.5	452.5	452.5	454.6	454.6	456.6	456.6	458.7	458.7	460.7	464.8
30°	434.2	434.2	436.2	436.2	438.3	440.3	440.3	442.3	442.3	444.4	448.5
32.5°	417.9	417.9	417.9	419.9	422.0	422.0	422.0	424.0	424.0	426.0	430.1
35°	399.5	399.5	399.5	401.6	401.6	403.6	403.6	405.7	407.7	409.7	413.8
37.5°	381.2	381.2	381.2	383.2	383.2	385.3	387.3	389.3	389.3	391.4	395.5
40°	362.8	362.8	362.8	364.9	366.9	366.9	366.9	369.0	371.0	373.0	375.1
42.5°	344.5	342.5	344.5	344.5	346.5	348.6	348.6	350.6	352.7	354.7	356.7
45°	326.2	324.1	326.2	326.2	328.2	328.2	328.2	332.3	332.3	334.3	336.3
47.5°	305.8	305.8	305.8	305.8	309.8	307.8	309.8	311.9	313.9	316.0	318.0
50°	287.4	285.4	287.4	287.4	289.5	289.5	289.5	291.5	293.5	295.6	297.6
52.5°	267.0	267.0	267.0	267.0	269.1	271.1	271.1	273.2	273.2	275.2	277.2
55°	246.7	246.7	248.7	248.7	250.7	250.7	250.7	252.8	252.8	256.8	256.8
57.5°	228.3	228.3	228.3	228.3	230.3	230.3	232.4	232.4	232.4	236.5	238.5
60°	207.9	207.9	210.0	207.9	212.0	210.0	212.0	212.0	214.0	216.1	218.1
62.5°	187.5	189.6	189.6	189.6	189.6	191.6	191.6	193.7	193.7	195.7	197.7
65°	167.2	167.2	169.2	169.2	171.2	171.2	171.2	173.3	173.3	175.3	177.3
67.5°	150.8	150.8	148.8	148.8	150.8	150.8	152.9	152.9	152.9	154.9	154.9
70°	128.4	130.5	130.5	130.5	130.5	132.5	132.5	132.5	134.5	134.5	136.6
72.5°	110.1	110.1	110.1	110.1	110.1	112.1	112.1	112.1	114.2	114.2	116.2
75°	91.7	89.7	91.7	89.7	91.7	91.7	91.7	93.8	93.8	93.8	97.8
77.5°	71.3	71.3	71.3	71.3	71.3	71.3	73.4	73.4	75.4	77.5	77.5
80°	53.0	51.0	53.0	53.0	53.0	53.0	53.0	53.0	55.0	57.1	57.1
82.5°	32.6	32.6	32.6	32.6	34.7	34.7	34.7	34.7	36.7	38.7	38.7
85°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	18.3	18.3	20.4	20.4
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	4.1
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.0
92.5°	6.1	6.1	6.1	6.1	6.1	8.2	8.2	6.1	8.2	8.2	8.2
95°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	14.3	14.3	14.3	14.3
97.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	22.4	22.4	24.5	26.5
100°	28.5	28.5	28.5	28.5	28.5	30.6	30.6	32.6	34.7	38.7	44.8
102.5°	40.8	40.8	40.8	40.8	42.8	44.8	44.8	46.9	53.0	61.2	75.4
105°	55.0	55.0	57.1	57.1	59.1	61.2	63.2	71.3	83.6	104.0	140.7
107.5°	77.5	77.5	79.5	83.6	87.7	91.7	99.9	120.3	157.0	214.0	305.8
110°	120.3	120.3	124.3	138.6	152.9	163.1	187.5	248.7	350.6	475.0	607.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	238.5	242.6	254.8	293.5	344.5	377.1	446.4	581.0	705.3	829.7	888.8
115°	548.3	607.5	623.8	697.2	790.9	835.8	884.7	976.4	1043.7	1074.3	1058.0
117.5°	1074.3	1123.2	1121.2	1176.2	1200.7	1214.9	1227.2	1239.4	1214.9	1202.7	1164.0
120°	1384.1	1396.3	1380.0	1382.1	1378.0	1371.9	1365.8	1345.4	1316.8	1284.2	1241.4
122.5°	1504.4	1500.3	1492.2	1482.0	1465.7	1453.4	1443.2	1416.7	1386.2	1349.5	1304.6
125°	1567.6	1563.5	1555.3	1541.1	1522.7	1512.5	1500.3	1473.8	1441.2	1404.5	1361.7
127.5°	1616.5	1610.4	1602.2	1588.0	1571.7	1559.4	1551.3	1522.7	1490.1	1455.5	1408.6
130°	1655.2	1651.2	1641.0	1630.8	1612.4	1602.2	1592.0	1567.6	1530.9	1498.3	1461.6
132.5°	1687.8	1685.8	1677.7	1667.5	1649.1	1638.9	1630.8	1606.3	1571.7	1537.0	1504.4
135°	1720.5	1716.4	1708.2	1698.0	1679.7	1671.5	1661.3	1641.0	1606.3	1571.7	1539.0
137.5°	1744.9	1738.8	1732.7	1724.5	1706.2	1700.1	1689.9	1667.5	1636.9	1608.3	1579.8
140°	1763.3	1757.2	1751.0	1744.9	1728.6	1722.5	1714.3	1691.9	1661.3	1636.9	1614.5
142.5°	1779.6	1773.5	1769.4	1763.3	1749.0	1742.9	1736.8	1714.3	1687.8	1665.4	1647.1
145°	1791.8	1785.7	1783.7	1777.5	1765.3	1759.2	1753.1	1730.7	1706.2	1683.8	1671.5
147.5°	1800.0	1797.9	1793.8	1787.7	1777.5	1773.5	1767.3	1747.0	1720.5	1704.2	1689.9
150°	1806.1	1806.1	1802.0	1797.9	1787.7	1783.7	1777.5	1757.2	1736.8	1722.5	1706.2
152.5°	1812.2	1812.2	1808.1	1802.0	1793.8	1789.8	1781.6	1763.3	1744.9	1734.7	1716.4
155°	1812.2	1814.2	1810.2	1802.0	1795.9	1789.8	1783.7	1765.3	1749.0	1740.8	1722.5
157.5°	1808.1	1810.2	1804.0	1797.9	1791.8	1787.7	1779.6	1763.3	1751.0	1744.9	1726.6
160°	1800.0	1802.0	1797.9	1791.8	1785.7	1783.7	1775.5	1761.2	1751.0	1744.9	1726.6
162.5°	1789.8	1791.8	1789.8	1783.7	1779.6	1777.5	1769.4	1757.2	1747.0	1742.9	1726.6
165°	1775.5	1777.5	1775.5	1769.4	1767.3	1763.3	1757.2	1744.9	1736.8	1736.8	1720.5
167.5°	1757.2	1759.2	1757.2	1747.0	1747.0	1742.9	1740.8	1730.7	1726.6	1728.6	1716.4
170°	1736.8	1738.8	1734.7	1728.6	1730.7	1726.6	1724.5	1718.4	1714.3	1716.4	1704.2
172.5°	1714.3	1716.4	1714.3	1708.2	1710.3	1708.2	1706.2	1698.0	1696.0	1702.1	1691.9
175°	1687.8	1687.8	1687.8	1681.7	1685.8	1683.8	1681.7	1677.7	1677.7	1683.8	1677.7
177.5°	1655.2	1655.2	1657.3	1655.2	1659.3	1657.3	1657.3	1655.2	1655.2	1663.4	1657.3
180°	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	556.5	554.5	554.5	556.5	556.5	556.5	558.5	560.6	560.6	562.6	560.6
5°	556.5	554.5	552.4	554.5	556.5	556.5	556.5	558.5	558.5	560.6	558.5
7.5°	552.4	550.4	550.4	552.4	552.4	552.4	552.4	554.5	554.5	556.5	554.5
10°	546.3	544.3	544.3	544.3	546.3	546.3	548.3	550.4	550.4	550.4	548.3
12.5°	540.2	538.2	538.2	538.2	540.2	540.2	540.2	542.2	544.3	544.3	542.2
15°	528.0	525.9	525.9	528.0	530.0	530.0	532.0	534.1	536.1	536.1	534.1
17.5°	517.8	515.7	515.7	517.8	517.8	519.8	519.8	521.8	519.8	521.8	519.8
20°	503.5	501.5	501.5	503.5	503.5	505.5	505.5	507.6	509.6	509.6	507.6
22.5°	491.3	487.2	489.2	489.2	491.3	491.3	493.3	495.3	495.3	497.4	495.3
25°	477.0	475.0	475.0	477.0	477.0	479.0	479.0	481.1	483.1	483.1	481.1
27.5°	462.7	460.7	458.7	460.7	462.7	464.8	464.8	466.8	468.8	468.8	466.8
30°	446.4	444.4	444.4	446.4	446.4	448.5	450.5	450.5	454.6	452.5	450.5
32.5°	432.2	430.1	428.1	430.1	432.2	432.2	434.2	436.2	436.2	436.2	434.2
35°	413.8	411.8	411.8	411.8	413.8	415.8	417.9	417.9	419.9	419.9	417.9
37.5°	397.5	395.5	393.4	395.5	397.5	399.5	399.5	401.6	401.6	403.6	401.6
40°	379.2	377.1	377.1	377.1	379.2	381.2	381.2	383.2	385.3	385.3	383.2
42.5°	360.8	358.8	358.8	358.8	360.8	362.8	362.8	364.9	366.9	364.9	364.9
45°	342.5	340.4	340.4	340.4	342.5	342.5	344.5	346.5	346.5	346.5	344.5
47.5°	320.0	322.1	322.1	322.1	322.1	324.1	324.1	326.2	326.2	328.2	326.2
50°	299.7	301.7	301.7	301.7	303.7	303.7	305.8	305.8	305.8	307.8	305.8
52.5°	281.3	281.3	281.3	283.3	283.3	283.3	285.4	287.4	287.4	287.4	285.4
55°	260.9	260.9	263.0	265.0	265.0	265.0	265.0	267.0	267.0	267.0	267.0
57.5°	240.5	240.5	242.6	244.6	244.6	244.6	244.6	246.7	246.7	246.7	244.6
60°	220.2	220.2	222.2	224.2	224.2	224.2	224.2	226.3	226.3	226.3	226.3
62.5°	199.8	199.8	201.8	203.8	203.8	203.8	203.8	205.9	205.9	205.9	205.9
65°	179.4	179.4	181.4	183.5	183.5	183.5	185.5	185.5	187.5	185.5	187.5
67.5°	159.0	161.0	161.0	163.1	163.1	163.1	165.1	165.1	167.2	167.2	167.2
70°	138.6	140.7	140.7	142.7	142.7	142.7	142.7	144.7	146.8	146.8	146.8
72.5°	118.2	118.2	120.3	122.3	122.3	122.3	124.3	124.3	126.4	126.4	126.4
75°	97.8	99.9	99.9	101.9	101.9	101.9	104.0	104.0	106.0	106.0	106.0
77.5°	77.5	79.5	81.5	83.6	81.5	83.6	83.6	85.6	85.6	85.6	87.7
80°	59.1	61.2	61.2	63.2	63.2	63.2	63.2	65.2	67.3	65.2	67.3
82.5°	40.8	40.8	42.8	44.8	44.8	44.8	44.8	46.9	46.9	46.9	48.9
85°	22.4	24.5	24.5	24.5	26.5	26.5	28.5	28.5	28.5	28.5	30.6
87.5°	6.1	6.1	8.2	10.2	10.2	10.2	10.2	12.2	12.2	12.2	14.3
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	8.2	8.2	10.2	10.2	12.2	12.2	16.3	18.3	16.3	12.2	16.3
95°	16.3	20.4	24.5	32.6	36.7	38.7	48.9	48.9	42.8	34.7	32.6
97.5°	32.6	40.8	51.0	69.3	77.5	87.7	97.8	93.8	77.5	63.2	59.1
100°	55.0	73.4	104.0	136.6	150.8	163.1	165.1	150.8	126.4	104.0	93.8
102.5°	101.9	144.7	201.8	252.8	258.9	265.0	252.8	224.2	187.5	154.9	134.5
105°	207.9	293.5	362.8	393.4	391.4	385.3	350.6	307.8	260.9	218.1	183.5
107.5°	428.1	509.6	552.4	538.2	519.8	501.5	448.5	399.5	340.4	287.4	250.7
110°	703.3	725.7	709.4	664.5	636.0	611.5	550.4	489.2	424.0	366.9	316.0



TEST NUMBER: P303212

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	901.0	870.4	821.5	764.4	735.9	705.3	642.1	583.0	507.6	448.5	391.4
115°	1025.3	974.4	917.3	856.2	825.6	795.0	733.8	666.6	591.2	528.0	470.9
117.5°	1113.0	1055.9	1000.9	941.8	909.2	878.6	815.4	748.1	672.7	615.6	554.5
120°	1188.4	1135.4	1076.3	1017.2	986.6	958.1	892.8	825.6	752.2	695.1	631.9
122.5°	1255.7	1202.7	1143.6	1086.5	1058.0	1029.4	964.2	896.9	827.6	772.6	707.3
125°	1312.8	1263.8	1208.8	1149.7	1123.2	1094.7	1029.4	966.2	901.0	839.8	782.8
127.5°	1371.9	1323.0	1270.0	1212.9	1184.3	1153.8	1092.6	1029.4	968.3	911.2	856.2
130°	1420.8	1371.9	1323.0	1267.9	1239.4	1210.8	1151.7	1090.6	1033.5	984.6	925.5
132.5°	1467.7	1420.8	1371.9	1314.8	1288.3	1261.8	1208.8	1151.7	1100.8	1047.8	992.7
135°	1510.5	1461.6	1414.7	1359.7	1333.2	1310.7	1257.7	1204.7	1157.8	1106.9	1055.9
137.5°	1545.2	1500.3	1449.3	1398.4	1376.0	1355.6	1304.6	1255.7	1210.8	1164.0	1117.1
140°	1577.8	1530.9	1482.0	1435.1	1412.7	1394.3	1347.4	1304.6	1261.8	1221.0	1174.2
142.5°	1608.3	1559.4	1510.5	1467.7	1449.3	1431.0	1390.2	1349.5	1308.7	1272.0	1227.2
145°	1630.8	1583.9	1537.0	1498.3	1484.0	1465.7	1424.9	1390.2	1353.5	1314.8	1276.1
147.5°	1653.2	1608.3	1565.5	1528.8	1514.6	1498.3	1461.6	1431.0	1396.3	1361.7	1323.0
150°	1671.5	1626.7	1590.0	1557.4	1543.1	1530.9	1494.2	1467.7	1435.1	1402.5	1369.8
152.5°	1681.7	1643.0	1608.3	1581.8	1569.6	1557.4	1526.8	1504.4	1471.8	1447.3	1412.7
155°	1687.8	1655.2	1624.7	1602.2	1592.0	1583.9	1553.3	1532.9	1506.4	1482.0	1451.4
157.5°	1694.0	1663.4	1636.9	1618.5	1610.4	1600.2	1573.7	1557.4	1535.0	1514.6	1486.0
160°	1696.0	1669.5	1647.1	1630.8	1624.7	1616.5	1594.1	1579.8	1559.4	1541.1	1514.6
162.5°	1696.0	1675.6	1655.2	1643.0	1636.9	1628.7	1610.4	1600.2	1581.8	1565.5	1543.1
165°	1696.0	1677.7	1659.3	1651.2	1645.0	1641.0	1624.7	1614.5	1598.2	1585.9	1567.6
167.5°	1691.9	1675.6	1663.4	1657.3	1653.2	1647.1	1634.8	1626.7	1614.5	1606.3	1588.0
170°	1683.8	1671.5	1659.3	1657.3	1655.2	1651.2	1641.0	1636.9	1628.7	1620.6	1606.3
172.5°	1675.6	1663.4	1655.2	1655.2	1653.2	1651.2	1643.0	1643.0	1636.9	1632.8	1618.5
175°	1659.3	1651.2	1645.0	1647.1	1647.1	1645.0	1641.0	1643.0	1641.0	1638.9	1630.8
177.5°	1643.0	1636.9	1634.8	1638.9	1638.9	1638.9	1636.9	1643.0	1643.0	1645.0	1636.9
180°	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7



TEST NUMBER: P303212

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	556.5	554.5	554.5	554.5	554.5	556.5	556.5	554.5	558.5	560.6	558.5
5°	554.5	552.4	552.4	552.4	554.5	554.5	554.5	554.5	556.5	558.5	556.5
7.5°	552.4	548.3	548.3	548.3	550.4	550.4	550.4	548.3	552.4	554.5	550.4
10°	544.3	542.2	542.2	542.2	544.3	544.3	544.3	542.2	544.3	546.3	544.3
12.5°	538.2	536.1	536.1	536.1	536.1	538.2	536.1	536.1	538.2	540.2	536.1
15°	528.0	523.9	523.9	523.9	525.9	525.9	525.9	523.9	530.0	528.0	525.9
17.5°	515.7	511.7	511.7	511.7	513.7	513.7	511.7	509.6	513.7	513.7	511.7
20°	503.5	499.4	499.4	499.4	501.5	501.5	501.5	499.4	501.5	501.5	499.4
22.5°	491.3	487.2	487.2	487.2	489.2	489.2	487.2	485.2	489.2	487.2	485.2
25°	477.0	475.0	475.0	475.0	475.0	475.0	472.9	470.9	475.0	472.9	470.9
27.5°	462.7	460.7	460.7	460.7	460.7	460.7	458.7	456.6	458.7	456.6	456.6
30°	448.5	444.4	444.4	446.4	446.4	444.4	442.3	442.3	444.4	442.3	440.3
32.5°	432.2	430.1	428.1	430.1	430.1	430.1	426.0	426.0	426.0	424.0	424.0
35°	415.8	413.8	411.8	413.8	413.8	411.8	409.7	409.7	409.7	407.7	405.7
37.5°	397.5	395.5	395.5	395.5	395.5	395.5	391.4	393.4	393.4	389.3	389.3
40°	379.2	377.1	377.1	379.2	379.2	377.1	375.1	377.1	375.1	373.0	371.0
42.5°	362.8	358.8	360.8	360.8	360.8	358.8	358.8	358.8	356.7	354.7	352.7
45°	342.5	340.4	342.5	342.5	342.5	340.4	340.4	338.4	338.4	336.3	334.3
47.5°	324.1	322.1	324.1	324.1	324.1	320.0	322.1	320.0	320.0	316.0	316.0
50°	303.7	303.7	305.8	303.7	303.7	301.7	301.7	299.7	299.7	297.6	295.6
52.5°	285.4	285.4	285.4	285.4	285.4	283.3	283.3	281.3	281.3	279.3	277.2
55°	265.0	265.0	267.0	267.0	265.0	263.0	263.0	263.0	260.9	258.9	256.8
57.5°	244.6	246.7	246.7	244.6	246.7	244.6	242.6	242.6	240.5	238.5	238.5
60°	226.3	226.3	226.3	226.3	226.3	224.2	224.2	224.2	220.2	218.1	218.1
62.5°	205.9	207.9	205.9	205.9	205.9	203.8	203.8	203.8	201.8	199.8	199.8
65°	187.5	187.5	187.5	185.5	185.5	185.5	185.5	183.5	181.4	179.4	179.4
67.5°	167.2	167.2	167.2	167.2	165.1	165.1	163.1	163.1	161.0	161.0	159.0
70°	146.8	146.8	146.8	146.8	144.7	144.7	144.7	142.7	140.7	140.7	140.7
72.5°	126.4	126.4	126.4	126.4	126.4	124.3	124.3	122.3	122.3	122.3	120.3
75°	106.0	106.0	106.0	106.0	106.0	104.0	104.0	101.9	101.9	101.9	99.9
77.5°	85.6	85.6	85.6	85.6	85.6	85.6	83.6	83.6	83.6	81.5	81.5
80°	67.3	67.3	65.2	67.3	65.2	65.2	65.2	65.2	63.2	63.2	61.2
82.5°	46.9	48.9	46.9	46.9	46.9	46.9	46.9	44.8	44.8	44.8	42.8
85°	30.6	30.6	30.6	28.5	28.5	28.5	26.5	26.5	24.5	26.5	24.5
87.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.2	12.2	10.2
90°	4.1	6.1	6.1	6.1	8.2	10.2	8.2	10.2	10.2	12.2	12.2
92.5°	24.5	28.5	28.5	28.5	30.6	32.6	30.6	32.6	32.6	32.6	30.6
95°	38.7	44.8	57.1	59.1	63.2	67.3	67.3	65.2	63.2	63.2	61.2
97.5°	55.0	65.2	67.3	71.3	75.4	87.7	93.8	99.9	104.0	104.0	101.9
100°	85.6	83.6	93.8	99.9	95.8	97.8	104.0	116.2	122.3	126.4	130.5
102.5°	122.3	112.1	112.1	116.2	122.3	132.5	124.3	128.4	132.5	138.6	148.8
105°	167.2	150.8	144.7	142.7	144.7	152.9	163.1	159.0	152.9	157.0	161.0
107.5°	220.2	199.8	181.4	177.3	177.3	177.3	185.5	195.7	201.8	195.7	185.5
110°	281.3	250.7	228.3	218.1	214.0	210.0	207.9	218.1	230.3	236.5	238.5



TEST NUMBER: P303212

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	348.6	309.8	281.3	271.1	258.9	246.7	242.6	244.6	248.7	263.0	269.1
115°	424.0	379.2	340.4	328.2	316.0	289.5	279.3	275.2	277.2	281.3	291.5
117.5°	499.4	454.6	407.7	389.3	375.1	346.5	320.0	311.9	307.8	309.8	311.9
120°	581.0	532.0	481.1	458.7	440.3	409.7	373.0	352.7	342.5	340.4	338.4
122.5°	656.4	609.5	564.7	536.1	511.7	472.9	436.2	407.7	389.3	375.1	371.0
125°	729.8	682.9	640.1	617.7	593.2	550.4	505.5	472.9	446.4	424.0	409.7
127.5°	801.1	756.3	711.4	691.0	670.7	623.8	581.0	548.3	513.7	485.2	462.7
130°	870.4	825.6	784.8	766.5	740.0	695.1	654.3	617.7	589.1	558.5	525.9
132.5°	939.7	896.9	858.2	837.8	815.4	768.5	727.7	693.1	658.4	631.9	605.4
135°	1002.9	960.1	923.4	907.1	880.6	839.8	801.1	768.5	733.8	703.3	678.8
137.5°	1064.1	1023.3	986.6	970.3	947.9	909.2	872.5	841.9	805.2	774.6	752.2
140°	1121.2	1080.4	1045.7	1029.4	1011.1	974.4	937.7	913.2	876.5	848.0	823.5
142.5°	1178.2	1139.5	1104.8	1090.6	1072.2	1037.6	1002.9	982.5	949.9	923.4	896.9
145°	1229.2	1190.5	1159.9	1147.7	1131.3	1096.7	1066.1	1045.7	1021.3	994.8	968.3
147.5°	1278.1	1241.4	1212.9	1202.7	1188.4	1157.8	1127.3	1108.9	1090.6	1062.0	1037.6
150°	1327.0	1288.3	1263.8	1253.7	1241.4	1214.9	1186.4	1166.0	1151.7	1123.2	1102.8
152.5°	1371.9	1339.3	1312.8	1300.5	1290.3	1267.9	1239.4	1219.0	1210.8	1186.4	1164.0
155°	1412.7	1380.0	1359.7	1345.4	1339.3	1314.8	1292.4	1270.0	1265.9	1239.4	1223.1
157.5°	1447.3	1418.8	1396.3	1388.2	1380.0	1361.7	1339.3	1320.9	1316.8	1294.4	1276.1
160°	1482.0	1453.4	1437.1	1429.0	1420.8	1400.4	1382.1	1363.7	1363.7	1347.4	1331.1
162.5°	1510.5	1486.0	1471.8	1465.7	1459.5	1445.3	1424.9	1406.5	1406.5	1394.3	1380.0
165°	1537.0	1514.6	1502.3	1498.3	1490.1	1479.9	1465.7	1447.3	1449.3	1437.1	1424.9
167.5°	1563.5	1541.1	1530.9	1526.8	1522.7	1512.5	1500.3	1484.0	1486.0	1479.9	1465.7
170°	1583.9	1563.5	1555.3	1551.3	1549.2	1541.1	1532.9	1518.7	1520.7	1516.6	1504.4
172.5°	1598.2	1581.8	1577.8	1573.7	1573.7	1567.6	1561.5	1549.2	1551.3	1553.3	1539.0
175°	1610.4	1596.1	1594.1	1592.0	1592.0	1590.0	1585.9	1575.7	1579.8	1583.9	1571.7
177.5°	1620.6	1610.4	1610.4	1610.4	1610.4	1610.4	1608.3	1600.2	1604.3	1612.4	1600.2
180°	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7



TEST NUMBER: P303212

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	558.5	558.5	558.5	558.5	558.5	558.5	558.5	558.5
2.5°	558.5	558.5	558.5	558.5	558.5	554.5	552.4	550.4
5°	556.5	556.5	554.5	554.5	556.5	554.5	552.4	550.4
7.5°	550.4	550.4	550.4	550.4	552.4	550.4	548.3	550.4
10°	544.3	544.3	542.2	542.2	544.3	544.3	542.2	544.3
12.5°	536.1	536.1	534.1	536.1	536.1	536.1	536.1	536.1
15°	525.9	523.9	523.9	523.9	525.9	525.9	525.9	528.0
17.5°	511.7	511.7	509.6	511.7	513.7	511.7	509.6	509.6
20°	499.4	497.4	497.4	497.4	499.4	497.4	497.4	497.4
22.5°	485.2	483.1	483.1	483.1	485.2	483.1	481.1	481.1
25°	468.8	468.8	468.8	468.8	468.8	466.8	464.8	464.8
27.5°	454.6	454.6	452.5	454.6	452.5	450.5	448.5	448.5
30°	438.3	438.3	436.2	438.3	436.2	434.2	432.2	432.2
32.5°	422.0	419.9	419.9	422.0	419.9	417.9	415.8	415.8
35°	403.6	403.6	403.6	403.6	401.6	399.5	397.5	395.5
37.5°	387.3	385.3	385.3	385.3	383.2	381.2	381.2	381.2
40°	369.0	366.9	366.9	369.0	364.9	362.8	362.8	362.8
42.5°	350.6	350.6	348.6	348.6	346.5	344.5	342.5	342.5
45°	330.2	332.3	330.2	330.2	328.2	326.2	324.1	326.2
47.5°	311.9	311.9	311.9	311.9	309.8	307.8	305.8	307.8
50°	293.5	293.5	293.5	293.5	289.5	289.5	287.4	287.4
52.5°	275.2	275.2	273.2	273.2	271.1	271.1	269.1	269.1
55°	254.8	254.8	254.8	254.8	252.8	250.7	250.7	250.7
57.5°	236.5	236.5	234.4	234.4	232.4	232.4	230.3	232.4
60°	216.1	216.1	216.1	216.1	214.0	214.0	212.0	212.0
62.5°	197.7	195.7	195.7	195.7	193.7	193.7	193.7	193.7
65°	177.3	177.3	175.3	177.3	175.3	175.3	173.3	173.3
67.5°	159.0	157.0	157.0	157.0	157.0	154.9	154.9	154.9
70°	138.6	136.6	136.6	136.6	136.6	136.6	134.5	136.6
72.5°	118.2	118.2	118.2	118.2	116.2	116.2	116.2	116.2
75°	99.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8
77.5°	81.5	79.5	79.5	79.5	79.5	77.5	77.5	77.5
80°	61.2	61.2	61.2	59.1	59.1	59.1	59.1	59.1
82.5°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	38.7
85°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
87.5°	10.2	10.2	10.2	10.2	12.2	12.2	12.2	12.2
90°	12.2	12.2	14.3	14.3	14.3	14.3	16.3	16.3
92.5°	32.6	32.6	34.7	34.7	32.6	32.6	34.7	34.7
95°	63.2	63.2	63.2	63.2	61.2	61.2	63.2	63.2
97.5°	101.9	99.9	101.9	99.9	97.8	97.8	97.8	95.8
100°	134.5	134.5	136.6	136.6	136.6	136.6	138.6	136.6
102.5°	152.9	154.9	157.0	157.0	159.0	161.0	161.0	161.0
105°	165.1	167.2	171.2	173.3	179.4	181.4	183.5	183.5
107.5°	189.6	189.6	191.6	193.7	193.7	195.7	197.7	197.7
110°	234.4	226.3	224.2	224.2	220.2	220.2	222.2	224.2



TEST NUMBER: P303212

CATALOG NUMBER: CTW-F-7525-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	275.2	277.2	277.2	279.3	271.1	267.0	269.1	269.1
115°	301.7	305.8	305.8	309.8	309.8	311.9	316.0	316.0
117.5°	320.0	326.2	328.2	330.2	336.3	338.4	342.5	342.5
120°	342.5	346.5	348.6	350.6	352.7	354.7	356.7	358.8
122.5°	371.0	369.0	371.0	371.0	373.0	375.1	375.1	377.1
125°	403.6	401.6	399.5	401.6	397.5	395.5	395.5	397.5
127.5°	448.5	440.3	436.2	432.2	430.1	428.1	426.0	424.0
130°	505.5	493.3	485.2	483.1	472.9	466.8	462.7	464.8
132.5°	581.0	562.6	554.5	550.4	532.0	521.8	517.8	517.8
135°	656.4	636.0	627.8	617.7	605.4	595.2	585.0	585.0
137.5°	727.7	713.5	703.3	693.1	680.8	670.7	660.5	658.4
140°	799.1	782.8	772.6	764.4	754.2	744.0	733.8	740.0
142.5°	872.5	854.1	843.9	841.9	827.6	817.4	811.3	813.3
145°	943.8	925.5	917.3	913.2	901.0	888.8	882.7	878.6
147.5°	1015.2	998.8	990.7	986.6	974.4	962.2	956.0	954.0
150°	1082.4	1068.2	1060.0	1053.9	1045.7	1035.5	1023.3	1023.3
152.5°	1147.7	1133.4	1123.2	1123.2	1115.0	1102.8	1090.6	1096.7
155°	1206.8	1194.5	1188.4	1186.4	1178.2	1168.0	1157.8	1161.9
157.5°	1263.8	1249.6	1245.5	1241.4	1237.3	1229.2	1219.0	1223.1
160°	1318.9	1306.7	1302.6	1298.5	1294.4	1286.3	1276.1	1278.1
162.5°	1371.9	1363.7	1355.6	1353.5	1351.5	1341.3	1331.1	1333.2
165°	1416.7	1408.6	1402.5	1400.4	1400.4	1392.3	1382.1	1384.1
167.5°	1459.5	1449.3	1445.3	1441.2	1443.2	1437.1	1429.0	1433.0
170°	1498.3	1492.2	1488.1	1486.0	1488.1	1479.9	1473.8	1475.8
172.5°	1535.0	1530.9	1526.8	1524.8	1528.8	1522.7	1514.6	1516.6
175°	1567.6	1563.5	1561.5	1559.4	1561.5	1553.3	1549.2	1551.3
177.5°	1598.2	1596.1	1594.1	1592.0	1596.1	1585.9	1577.8	1581.8
180°	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7	1626.7

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