

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: P303210

Luminaire Tested: **CTW-F-7525-30L830-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303210  
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-7525-30L830-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5746.5 lumens  
Efficiency: N/A  
Efficacy: 135.2 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

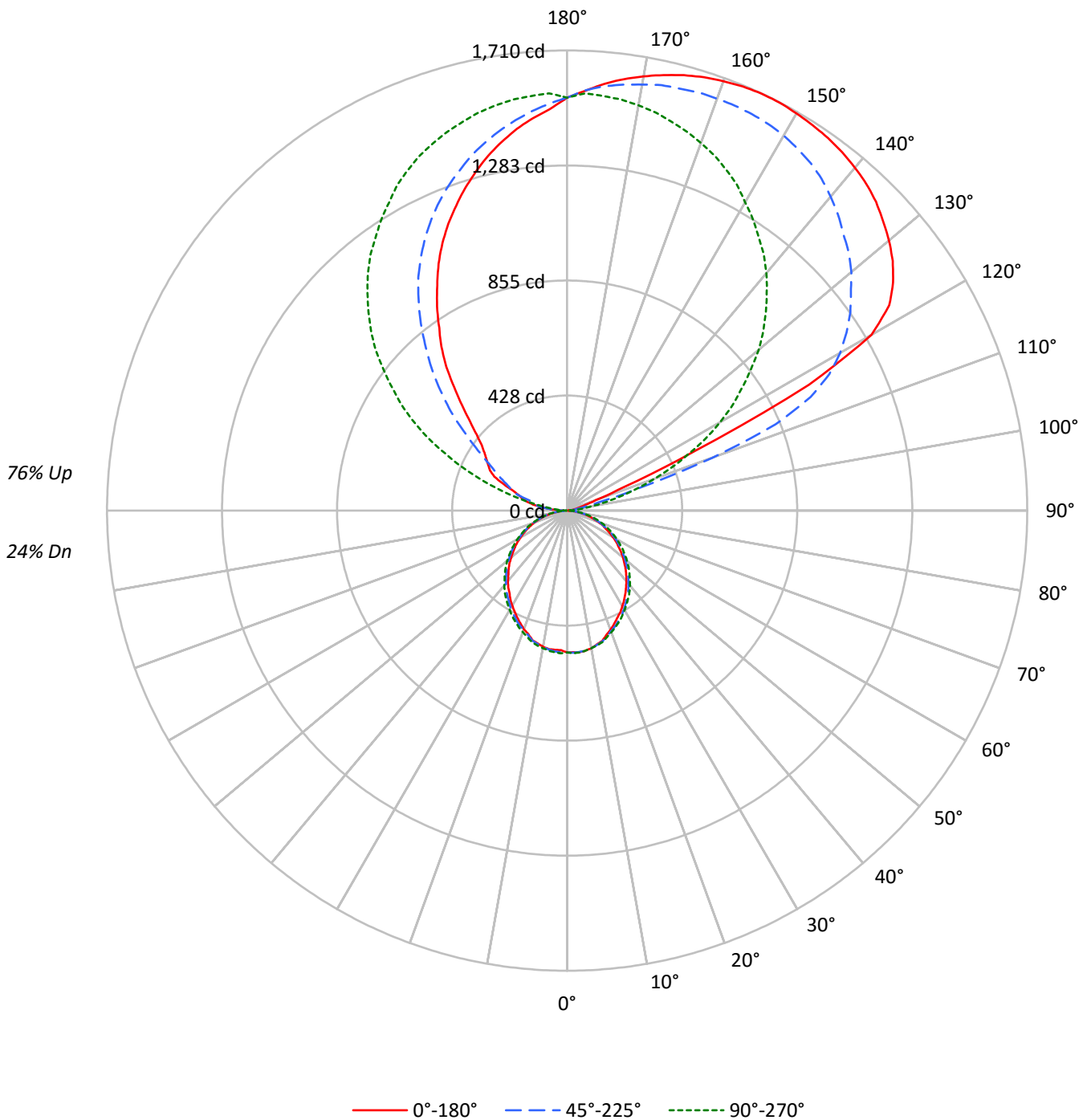
Input Watts (W): 42.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5672	5672	5672
5°	5714	5714	5610
10°	5675	5675	5613
15°	5593	5636	5551
20°	5397	5507	5375
25°	5230	5413	5208
30°	5091	5306	5067
35°	4953	5206	4903
40°	4810	5108	4810
45°	4684	4976	4684
50°	4541	4863	4541
55°	4367	4727	4438
60°	4224	4596	4306
65°	4017	4457	4164
70°	3814	4359	4054
75°	3597	4159	3839
80°	3099	3812	3459
85°	1902	3322	2853



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	0.9
10°-20°	140.2	2.4
20°-30°	205.9	3.6
30°-40°	241.4	4.2
40°-50°	244.6	4.3
50°-60°	218.1	3.8
60°-70°	167.4	2.9
70°-80°	99.3	1.7
80°-90°	27.9	0.5
90°-100°	45.6	0.8
100°-110°	188.9	3.3
110°-120°	530.9	9.2
120°-130°	767.0	13.3
130°-140°	824.8	14.4
140°-150°	784.5	13.7
150°-160°	644.1	11.2
160°-170°	420.5	7.3
170°-180°	145.7	2.5
0°-30°	395.9	6.9
0°-40°	637.3	11.1
0°-60°	1100.0	19.1
0°-90°	1394.4	24.3
90°-120°	765.4	13.3
90°-150°	3141.7	54.7
90°-180°	4352.0	75.7
0°-180°	5746.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	527	527	527	527	527	
5°	529	527	529	525	519	50
15°	502	504	506	500	498	140
25°	440	452	456	448	438	203
35°	377	390	396	386	373	236
45°	308	317	327	319	308	237
55°	233	242	252	246	236	209
65°	158	167	175	171	164	157
75°	86	92	100	96	92	90
85°	15	19	27	23	23	20
90°	4	2	2	10	15	2
95°	12	14	33	60	60	13
105°	52	133	206	144	173	61
115°	517	998	498	262	298	603
125°	1479	1285	792	421	375	1312
135°	1623	1452	1044	692	552	1252
145°	1690	1577	1240	964	829	1060
155°	1710	1625	1398	1194	1096	790
165°	1675	1623	1496	1367	1306	475
175°	1592	1583	1546	1490	1464	153
180°	1535	1535	1535	1535	1535	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	526.9	525.0	526.9	526.9	528.8	528.8	528.8	526.9	528.8	530.8	528.8
5°	528.8	528.8	526.9	526.9	526.9	526.9	526.9	525.0	526.9	528.8	526.9
7.5°	525.0	525.0	525.0	523.1	523.1	523.1	523.1	523.1	523.1	525.0	525.0
10°	519.2	519.2	517.3	515.4	517.3	517.3	517.3	515.4	517.3	519.2	519.2
12.5°	509.6	511.5	509.6	509.6	509.6	509.6	509.6	509.6	511.5	513.5	511.5
15°	501.9	501.9	501.9	500.0	500.0	500.0	500.0	498.1	501.9	503.8	503.8
17.5°	484.6	484.6	484.6	486.5	488.5	488.5	488.5	486.5	486.5	492.3	490.4
20°	471.2	471.2	471.2	471.2	473.1	473.1	473.1	473.1	473.1	476.9	476.9
22.5°	455.8	457.7	457.7	457.7	459.6	459.6	459.6	459.6	459.6	463.5	465.4
25°	440.4	442.3	442.3	444.2	444.2	444.2	444.2	446.2	446.2	450.0	451.9
27.5°	426.9	426.9	426.9	428.8	428.8	430.8	430.8	432.7	432.7	434.6	438.5
30°	409.6	409.6	411.5	411.5	413.5	415.4	415.4	417.3	417.3	419.2	423.1
32.5°	394.2	394.2	394.2	396.2	398.1	398.1	398.1	400.0	400.0	401.9	405.8
35°	376.9	376.9	376.9	378.8	378.8	380.8	380.8	382.7	384.6	386.5	390.4
37.5°	359.6	359.6	359.6	361.5	361.5	363.5	365.4	367.3	367.3	369.2	373.1
40°	342.3	342.3	342.3	344.2	346.2	346.2	346.2	348.1	350.0	351.9	353.8
42.5°	325.0	323.1	325.0	325.0	326.9	328.8	328.8	330.8	332.7	334.6	336.5
45°	307.7	305.8	307.7	307.7	309.6	309.6	309.6	313.5	313.5	315.4	317.3
47.5°	288.5	288.5	288.5	288.5	292.3	290.4	292.3	294.2	296.2	298.1	300.0
50°	271.2	269.2	271.2	271.2	273.1	273.1	273.1	275.0	276.9	278.8	280.8
52.5°	251.9	251.9	251.9	251.9	253.8	255.8	255.8	257.7	257.7	259.6	261.5
55°	232.7	232.7	234.6	234.6	236.5	236.5	236.5	238.5	238.5	242.3	242.3
57.5°	215.4	215.4	215.4	215.4	217.3	217.3	219.2	219.2	219.2	223.1	225.0
60°	196.2	196.2	198.1	196.2	200.0	198.1	200.0	200.0	201.9	203.8	205.8
62.5°	176.9	178.8	178.8	178.8	178.8	180.8	180.8	182.7	182.7	184.6	186.5
65°	157.7	157.7	159.6	159.6	161.5	161.5	161.5	163.5	163.5	165.4	167.3
67.5°	142.3	142.3	140.4	140.4	142.3	142.3	144.2	144.2	144.2	146.2	146.2
70°	121.2	123.1	123.1	123.1	123.1	125.0	125.0	125.0	126.9	126.9	128.8
72.5°	103.8	103.8	103.8	103.8	103.8	105.8	105.8	105.8	107.7	107.7	109.6
75°	86.5	84.6	86.5	84.6	86.5	86.5	86.5	88.5	88.5	88.5	92.3
77.5°	67.3	67.3	67.3	67.3	67.3	67.3	69.2	69.2	71.2	73.1	73.1
80°	50.0	48.1	50.0	50.0	50.0	50.0	50.0	50.0	51.9	53.8	53.8
82.5°	30.8	30.8	30.8	30.8	32.7	32.7	32.7	32.7	34.6	36.5	36.5
85°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	17.3	17.3	19.2	19.2
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8
90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	1.9
92.5°	5.8	5.8	5.8	5.8	5.8	7.7	7.7	5.8	7.7	7.7	7.7
95°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	13.5	13.5	13.5	13.5
97.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	21.2	21.2	23.1	25.0
100°	26.9	26.9	26.9	26.9	26.9	28.8	28.8	30.8	32.7	36.5	42.3
102.5°	38.5	38.5	38.5	38.5	40.4	42.3	42.3	44.2	50.0	57.7	71.2
105°	51.9	51.9	53.8	53.8	55.8	57.7	59.6	67.3	78.8	98.1	132.7
107.5°	73.1	73.1	75.0	78.8	82.7	86.5	94.2	113.5	148.1	201.9	288.5
110°	113.5	113.5	117.3	130.8	144.2	153.8	176.9	234.6	330.8	448.1	573.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.0	228.8	240.4	276.9	325.0	355.8	421.2	548.1	665.4	782.7	838.5
115°	517.3	573.1	588.5	657.7	746.2	788.5	834.6	921.2	984.6	1013.5	998.1
117.5°	1013.5	1059.6	1057.7	1109.6	1132.7	1146.2	1157.7	1169.2	1146.2	1134.6	1098.1
120°	1305.8	1317.3	1301.9	1303.8	1300.0	1294.2	1288.5	1269.2	1242.3	1211.5	1171.2
122.5°	1419.2	1415.4	1407.7	1398.1	1382.7	1371.2	1361.5	1336.5	1307.7	1273.1	1230.8
125°	1478.8	1475.0	1467.3	1453.8	1436.5	1426.9	1415.4	1390.4	1359.6	1325.0	1284.6
127.5°	1525.0	1519.2	1511.5	1498.1	1482.7	1471.2	1463.5	1436.5	1405.8	1373.1	1328.8
130°	1561.5	1557.7	1548.1	1538.5	1521.2	1511.5	1501.9	1478.8	1444.2	1413.5	1378.8
132.5°	1592.3	1590.4	1582.7	1573.1	1555.8	1546.2	1538.5	1515.4	1482.7	1450.0	1419.2
135°	1623.1	1619.2	1611.5	1601.9	1584.6	1576.9	1567.3	1548.1	1515.4	1482.7	1451.9
137.5°	1646.2	1640.4	1634.6	1626.9	1609.6	1603.8	1594.2	1573.1	1544.2	1517.3	1490.4
140°	1663.5	1657.7	1651.9	1646.2	1630.8	1625.0	1617.3	1596.2	1567.3	1544.2	1523.1
142.5°	1678.8	1673.1	1669.2	1663.5	1650.0	1644.2	1638.5	1617.3	1592.3	1571.2	1553.8
145°	1690.4	1684.6	1682.7	1676.9	1665.4	1659.6	1653.8	1632.7	1609.6	1588.5	1576.9
147.5°	1698.1	1696.2	1692.3	1686.5	1676.9	1673.1	1667.3	1648.1	1623.1	1607.7	1594.2
150°	1703.8	1703.8	1700.0	1696.2	1686.5	1682.7	1676.9	1657.7	1638.5	1625.0	1609.6
152.5°	1709.6	1709.6	1705.8	1700.0	1692.3	1688.5	1680.8	1663.5	1646.2	1636.5	1619.2
155°	1709.6	1711.5	1707.7	1700.0	1694.2	1688.5	1682.7	1665.4	1650.0	1642.3	1625.0
157.5°	1705.8	1707.7	1701.9	1696.2	1690.4	1686.5	1678.8	1663.5	1651.9	1646.2	1628.8
160°	1698.1	1700.0	1696.2	1690.4	1684.6	1682.7	1675.0	1661.5	1651.9	1646.2	1628.8
162.5°	1688.5	1690.4	1688.5	1682.7	1678.8	1676.9	1669.2	1657.7	1648.1	1644.2	1628.8
165°	1675.0	1676.9	1675.0	1669.2	1667.3	1663.5	1657.7	1646.2	1638.5	1638.5	1623.1
167.5°	1657.7	1659.6	1657.7	1648.1	1648.1	1644.2	1642.3	1632.7	1628.8	1630.8	1619.2
170°	1638.5	1640.4	1636.5	1630.8	1632.7	1628.8	1626.9	1621.2	1617.3	1619.2	1607.7
172.5°	1617.3	1619.2	1617.3	1611.5	1613.5	1611.5	1609.6	1601.9	1600.0	1605.8	1596.2
175°	1592.3	1592.3	1592.3	1586.5	1590.4	1588.5	1586.5	1582.7	1582.7	1588.5	1582.7
177.5°	1561.5	1561.5	1563.5	1561.5	1565.4	1563.5	1563.5	1561.5	1561.5	1569.2	1563.5
180°	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	525.0	523.1	523.1	525.0	525.0	525.0	526.9	528.8	528.8	530.8	528.8
5°	525.0	523.1	521.2	523.1	525.0	525.0	525.0	526.9	526.9	528.8	526.9
7.5°	521.2	519.2	519.2	521.2	521.2	521.2	521.2	523.1	523.1	525.0	523.1
10°	515.4	513.5	513.5	513.5	515.4	515.4	517.3	519.2	519.2	519.2	517.3
12.5°	509.6	507.7	507.7	507.7	509.6	509.6	509.6	511.5	513.5	513.5	511.5
15°	498.1	496.2	496.2	498.1	500.0	500.0	501.9	503.8	505.8	505.8	503.8
17.5°	488.5	486.5	486.5	488.5	488.5	490.4	490.4	492.3	490.4	492.3	490.4
20°	475.0	473.1	473.1	475.0	475.0	476.9	476.9	478.8	480.8	480.8	478.8
22.5°	463.5	459.6	461.5	461.5	463.5	463.5	465.4	467.3	467.3	469.2	467.3
25°	450.0	448.1	448.1	450.0	450.0	451.9	451.9	453.8	455.8	455.8	453.8
27.5°	436.5	434.6	432.7	434.6	436.5	438.5	438.5	440.4	442.3	442.3	440.4
30°	421.2	419.2	419.2	421.2	421.2	423.1	425.0	425.0	428.8	426.9	425.0
32.5°	407.7	405.8	403.8	405.8	407.7	407.7	409.6	411.5	411.5	411.5	409.6
35°	390.4	388.5	388.5	388.5	390.4	392.3	394.2	394.2	396.2	396.2	394.2
37.5°	375.0	373.1	371.2	373.1	375.0	376.9	376.9	378.8	378.8	380.8	378.8
40°	357.7	355.8	355.8	355.8	357.7	359.6	359.6	361.5	363.5	363.5	361.5
42.5°	340.4	338.5	338.5	338.5	340.4	342.3	342.3	344.2	346.2	344.2	344.2
45°	323.1	321.2	321.2	321.2	323.1	323.1	325.0	326.9	326.9	326.9	325.0
47.5°	301.9	303.8	303.8	303.8	303.8	305.8	305.8	307.7	307.7	309.6	307.7
50°	282.7	284.6	284.6	284.6	286.5	286.5	288.5	288.5	288.5	290.4	288.5
52.5°	265.4	265.4	265.4	267.3	267.3	267.3	269.2	271.2	271.2	271.2	269.2
55°	246.2	246.2	248.1	250.0	250.0	250.0	250.0	251.9	251.9	251.9	251.9
57.5°	226.9	226.9	228.8	230.8	230.8	230.8	230.8	232.7	232.7	232.7	230.8
60°	207.7	207.7	209.6	211.5	211.5	211.5	211.5	213.5	213.5	213.5	213.5
62.5°	188.5	188.5	190.4	192.3	192.3	192.3	192.3	194.2	194.2	194.2	194.2
65°	169.2	169.2	171.2	173.1	173.1	173.1	175.0	175.0	176.9	175.0	176.9
67.5°	150.0	151.9	151.9	153.8	153.8	153.8	155.8	155.8	157.7	157.7	157.7
70°	130.8	132.7	132.7	134.6	134.6	134.6	134.6	136.5	138.5	138.5	138.5
72.5°	111.5	111.5	113.5	115.4	115.4	115.4	117.3	117.3	119.2	119.2	119.2
75°	92.3	94.2	94.2	96.2	96.2	96.2	98.1	98.1	100.0	100.0	100.0
77.5°	73.1	75.0	76.9	78.8	76.9	78.8	78.8	80.8	80.8	80.8	82.7
80°	55.8	57.7	57.7	59.6	59.6	59.6	59.6	61.5	63.5	61.5	63.5
82.5°	38.5	38.5	40.4	42.3	42.3	42.3	42.3	44.2	44.2	44.2	46.2
85°	21.2	23.1	23.1	23.1	25.0	25.0	26.9	26.9	26.9	26.9	28.8
87.5°	5.8	5.8	7.7	9.6	9.6	9.6	9.6	11.5	11.5	11.5	13.5
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92.5°	7.7	7.7	9.6	9.6	11.5	11.5	15.4	17.3	15.4	11.5	15.4
95°	15.4	19.2	23.1	30.8	34.6	36.5	46.2	46.2	40.4	32.7	30.8
97.5°	30.8	38.5	48.1	65.4	73.1	82.7	92.3	88.5	73.1	59.6	55.8
100°	51.9	69.2	98.1	128.8	142.3	153.8	155.8	142.3	119.2	98.1	88.5
102.5°	96.2	136.5	190.4	238.5	244.2	250.0	238.5	211.5	176.9	146.2	126.9
105°	196.2	276.9	342.3	371.2	369.2	363.5	330.8	290.4	246.2	205.8	173.1
107.5°	403.8	480.8	521.2	507.7	490.4	473.1	423.1	376.9	321.2	271.2	236.5
110°	663.5	684.6	669.2	626.9	600.0	576.9	519.2	461.5	400.0	346.2	298.1





TEST NUMBER: P303210

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	850.0	821.2	775.0	721.2	694.2	665.4	605.8	550.0	478.8	423.1	369.2
115°	967.3	919.2	865.4	807.7	778.8	750.0	692.3	628.8	557.7	498.1	444.2
117.5°	1050.0	996.2	944.2	888.5	857.7	828.8	769.2	705.8	634.6	580.8	523.1
120°	1121.2	1071.2	1015.4	959.6	930.8	903.8	842.3	778.8	709.6	655.8	596.2
122.5°	1184.6	1134.6	1078.8	1025.0	998.1	971.2	909.6	846.2	780.8	728.8	667.3
125°	1238.5	1192.3	1140.4	1084.6	1059.6	1032.7	971.2	911.5	850.0	792.3	738.5
127.5°	1294.2	1248.1	1198.1	1144.2	1117.3	1088.5	1030.8	971.2	913.5	859.6	807.7
130°	1340.4	1294.2	1248.1	1196.2	1169.2	1142.3	1086.5	1028.8	975.0	928.8	873.1
132.5°	1384.6	1340.4	1294.2	1240.4	1215.4	1190.4	1140.4	1086.5	1038.5	988.5	936.5
135°	1425.0	1378.8	1334.6	1282.7	1257.7	1236.5	1186.5	1136.5	1092.3	1044.2	996.2
137.5°	1457.7	1415.4	1367.3	1319.2	1298.1	1278.8	1230.8	1184.6	1142.3	1098.1	1053.8
140°	1488.5	1444.2	1398.1	1353.8	1332.7	1315.4	1271.2	1230.8	1190.4	1151.9	1107.7
142.5°	1517.3	1471.2	1425.0	1384.6	1367.3	1350.0	1311.5	1273.1	1234.6	1200.0	1157.7
145°	1538.5	1494.2	1450.0	1413.5	1400.0	1382.7	1344.2	1311.5	1276.9	1240.4	1203.8
147.5°	1559.6	1517.3	1476.9	1442.3	1428.8	1413.5	1378.8	1350.0	1317.3	1284.6	1248.1
150°	1576.9	1534.6	1500.0	1469.2	1455.8	1444.2	1409.6	1384.6	1353.8	1323.1	1292.3
152.5°	1586.5	1550.0	1517.3	1492.3	1480.8	1469.2	1440.4	1419.2	1388.5	1365.4	1332.7
155°	1592.3	1561.5	1532.7	1511.5	1501.9	1494.2	1465.4	1446.2	1421.2	1398.1	1369.2
157.5°	1598.1	1569.2	1544.2	1526.9	1519.2	1509.6	1484.6	1469.2	1448.1	1428.8	1401.9
160°	1600.0	1575.0	1553.8	1538.5	1532.7	1525.0	1503.8	1490.4	1471.2	1453.8	1428.8
162.5°	1600.0	1580.8	1561.5	1550.0	1544.2	1536.5	1519.2	1509.6	1492.3	1476.9	1455.8
165°	1600.0	1582.7	1565.4	1557.7	1551.9	1548.1	1532.7	1523.1	1507.7	1496.2	1478.8
167.5°	1596.2	1580.8	1569.2	1563.5	1559.6	1553.8	1542.3	1534.6	1523.1	1515.4	1498.1
170°	1588.5	1576.9	1565.4	1563.5	1561.5	1557.7	1548.1	1544.2	1536.5	1528.8	1515.4
172.5°	1580.8	1569.2	1561.5	1561.5	1559.6	1557.7	1550.0	1550.0	1544.2	1540.4	1526.9
175°	1565.4	1557.7	1551.9	1553.8	1553.8	1551.9	1548.1	1550.0	1548.1	1546.2	1538.5
177.5°	1550.0	1544.2	1542.3	1546.2	1546.2	1546.2	1544.2	1550.0	1550.0	1551.9	1544.2
180°	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6



TEST NUMBER: P303210

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	525.0	523.1	523.1	523.1	523.1	525.0	525.0	523.1	526.9	528.8	526.9
5°	523.1	521.2	521.2	521.2	523.1	523.1	523.1	523.1	525.0	526.9	525.0
7.5°	521.2	517.3	517.3	517.3	519.2	519.2	519.2	517.3	521.2	523.1	519.2
10°	513.5	511.5	511.5	511.5	513.5	513.5	513.5	511.5	513.5	515.4	513.5
12.5°	507.7	505.8	505.8	505.8	505.8	507.7	505.8	505.8	507.7	509.6	505.8
15°	498.1	494.2	494.2	494.2	496.2	496.2	496.2	494.2	500.0	498.1	496.2
17.5°	486.5	482.7	482.7	482.7	484.6	484.6	482.7	480.8	484.6	484.6	482.7
20°	475.0	471.2	471.2	471.2	473.1	473.1	473.1	471.2	473.1	473.1	471.2
22.5°	463.5	459.6	459.6	459.6	461.5	461.5	459.6	457.7	461.5	459.6	457.7
25°	450.0	448.1	448.1	448.1	448.1	448.1	446.2	444.2	448.1	446.2	444.2
27.5°	436.5	434.6	434.6	434.6	434.6	434.6	432.7	430.8	432.7	430.8	430.8
30°	423.1	419.2	419.2	421.2	421.2	419.2	417.3	417.3	419.2	417.3	415.4
32.5°	407.7	405.8	403.8	405.8	405.8	405.8	401.9	401.9	401.9	400.0	400.0
35°	392.3	390.4	388.5	390.4	390.4	388.5	386.5	386.5	386.5	384.6	382.7
37.5°	375.0	373.1	373.1	373.1	373.1	373.1	369.2	371.2	371.2	367.3	367.3
40°	357.7	355.8	355.8	357.7	357.7	355.8	353.8	355.8	353.8	351.9	350.0
42.5°	342.3	338.5	340.4	340.4	340.4	338.5	338.5	338.5	336.5	334.6	332.7
45°	323.1	321.2	323.1	323.1	323.1	321.2	321.2	319.2	319.2	317.3	315.4
47.5°	305.8	303.8	305.8	305.8	305.8	301.9	303.8	301.9	301.9	298.1	298.1
50°	286.5	286.5	288.5	286.5	286.5	284.6	284.6	282.7	282.7	280.8	278.8
52.5°	269.2	269.2	269.2	269.2	269.2	267.3	267.3	265.4	265.4	263.5	261.5
55°	250.0	250.0	251.9	251.9	250.0	248.1	248.1	248.1	246.2	244.2	242.3
57.5°	230.8	232.7	232.7	230.8	232.7	230.8	228.8	228.8	226.9	225.0	225.0
60°	213.5	213.5	213.5	213.5	213.5	211.5	211.5	211.5	207.7	205.8	205.8
62.5°	194.2	196.2	194.2	194.2	194.2	192.3	192.3	192.3	190.4	188.5	188.5
65°	176.9	176.9	176.9	175.0	175.0	175.0	175.0	173.1	171.2	169.2	169.2
67.5°	157.7	157.7	157.7	157.7	155.8	155.8	153.8	153.8	151.9	151.9	150.0
70°	138.5	138.5	138.5	138.5	136.5	136.5	136.5	134.6	132.7	132.7	132.7
72.5°	119.2	119.2	119.2	119.2	119.2	117.3	117.3	115.4	115.4	115.4	113.5
75°	100.0	100.0	100.0	100.0	100.0	98.1	98.1	96.2	96.2	96.2	94.2
77.5°	80.8	80.8	80.8	80.8	80.8	80.8	78.8	78.8	78.8	76.9	76.9
80°	63.5	63.5	61.5	63.5	61.5	61.5	61.5	61.5	59.6	59.6	57.7
82.5°	44.2	46.2	44.2	44.2	44.2	44.2	44.2	42.3	42.3	42.3	40.4
85°	28.8	28.8	28.8	26.9	26.9	26.9	25.0	25.0	23.1	25.0	23.1
87.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	9.6	11.5	9.6
90°	3.8	5.8	5.8	5.8	7.7	9.6	7.7	9.6	9.6	11.5	11.5
92.5°	23.1	26.9	26.9	26.9	28.8	30.8	28.8	30.8	30.8	30.8	28.8
95°	36.5	42.3	53.8	55.8	59.6	63.5	63.5	61.5	59.6	59.6	57.7
97.5°	51.9	61.5	63.5	67.3	71.2	82.7	88.5	94.2	98.1	98.1	96.2
100°	80.8	78.8	88.5	94.2	90.4	92.3	98.1	109.6	115.4	119.2	123.1
102.5°	115.4	105.8	105.8	109.6	115.4	125.0	117.3	121.2	125.0	130.8	140.4
105°	157.7	142.3	136.5	134.6	136.5	144.2	153.8	150.0	144.2	148.1	151.9
107.5°	207.7	188.5	171.2	167.3	167.3	167.3	175.0	184.6	190.4	184.6	175.0
110°	265.4	236.5	215.4	205.8	201.9	198.1	196.2	205.8	217.3	223.1	225.0



TEST NUMBER: P303210

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	328.8	292.3	265.4	255.8	244.2	232.7	228.8	230.8	234.6	248.1	253.8
115°	400.0	357.7	321.2	309.6	298.1	273.1	263.5	259.6	261.5	265.4	275.0
117.5°	471.2	428.8	384.6	367.3	353.8	326.9	301.9	294.2	290.4	292.3	294.2
120°	548.1	501.9	453.8	432.7	415.4	386.5	351.9	332.7	323.1	321.2	319.2
122.5°	619.2	575.0	532.7	505.8	482.7	446.2	411.5	384.6	367.3	353.8	350.0
125°	688.5	644.2	603.8	582.7	559.6	519.2	476.9	446.2	421.2	400.0	386.5
127.5°	755.8	713.5	671.2	651.9	632.7	588.5	548.1	517.3	484.6	457.7	436.5
130°	821.2	778.8	740.4	723.1	698.1	655.8	617.3	582.7	555.8	526.9	496.2
132.5°	886.5	846.2	809.6	790.4	769.2	725.0	686.5	653.8	621.2	596.2	571.2
135°	946.2	905.8	871.2	855.8	830.8	792.3	755.8	725.0	692.3	663.5	640.4
137.5°	1003.8	965.4	930.8	915.4	894.2	857.7	823.1	794.2	759.6	730.8	709.6
140°	1057.7	1019.2	986.5	971.2	953.8	919.2	884.6	861.5	826.9	800.0	776.9
142.5°	1111.5	1075.0	1042.3	1028.8	1011.5	978.8	946.2	926.9	896.2	871.2	846.2
145°	1159.6	1123.1	1094.2	1082.7	1067.3	1034.6	1005.8	986.5	963.5	938.5	913.5
147.5°	1205.8	1171.2	1144.2	1134.6	1121.2	1092.3	1063.5	1046.2	1028.8	1001.9	978.8
150°	1251.9	1215.4	1192.3	1182.7	1171.2	1146.2	1119.2	1100.0	1086.5	1059.6	1040.4
152.5°	1294.2	1263.5	1238.5	1226.9	1217.3	1196.2	1169.2	1150.0	1142.3	1119.2	1098.1
155°	1332.7	1301.9	1282.7	1269.2	1263.5	1240.4	1219.2	1198.1	1194.2	1169.2	1153.8
157.5°	1365.4	1338.5	1317.3	1309.6	1301.9	1284.6	1263.5	1246.2	1242.3	1221.2	1203.8
160°	1398.1	1371.2	1355.8	1348.1	1340.4	1321.2	1303.8	1286.5	1286.5	1271.2	1255.8
162.5°	1425.0	1401.9	1388.5	1382.7	1376.9	1363.5	1344.2	1326.9	1326.9	1315.4	1301.9
165°	1450.0	1428.8	1417.3	1413.5	1405.8	1396.2	1382.7	1365.4	1367.3	1355.8	1344.2
167.5°	1475.0	1453.8	1444.2	1440.4	1436.5	1426.9	1415.4	1400.0	1401.9	1396.2	1382.7
170°	1494.2	1475.0	1467.3	1463.5	1461.5	1453.8	1446.2	1432.7	1434.6	1430.8	1419.2
172.5°	1507.7	1492.3	1488.5	1484.6	1484.6	1478.8	1473.1	1461.5	1463.5	1465.4	1451.9
175°	1519.2	1505.8	1503.8	1501.9	1501.9	1500.0	1496.2	1486.5	1490.4	1494.2	1482.7
177.5°	1528.8	1519.2	1519.2	1519.2	1519.2	1519.2	1517.3	1509.6	1513.5	1521.2	1509.6
180°	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6



TEST NUMBER: P303210

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	526.9	526.9	526.9	526.9	526.9	523.1	521.2	519.2
5°	525.0	525.0	523.1	523.1	525.0	523.1	521.2	519.2
7.5°	519.2	519.2	519.2	519.2	521.2	519.2	517.3	519.2
10°	513.5	513.5	511.5	511.5	513.5	513.5	511.5	513.5
12.5°	505.8	505.8	503.8	505.8	505.8	505.8	505.8	505.8
15°	496.2	494.2	494.2	494.2	496.2	496.2	496.2	498.1
17.5°	482.7	482.7	480.8	482.7	484.6	482.7	480.8	480.8
20°	471.2	469.2	469.2	469.2	471.2	469.2	469.2	469.2
22.5°	457.7	455.8	455.8	455.8	457.7	455.8	453.8	453.8
25°	442.3	442.3	442.3	442.3	442.3	440.4	438.5	438.5
27.5°	428.8	428.8	426.9	428.8	426.9	425.0	423.1	423.1
30°	413.5	413.5	411.5	413.5	411.5	409.6	407.7	407.7
32.5°	398.1	396.2	396.2	398.1	396.2	394.2	392.3	392.3
35°	380.8	380.8	380.8	380.8	378.8	376.9	375.0	373.1
37.5°	365.4	363.5	363.5	363.5	361.5	359.6	359.6	359.6
40°	348.1	346.2	346.2	348.1	344.2	342.3	342.3	342.3
42.5°	330.8	330.8	328.8	328.8	326.9	325.0	323.1	323.1
45°	311.5	313.5	311.5	311.5	309.6	307.7	305.8	307.7
47.5°	294.2	294.2	294.2	294.2	292.3	290.4	288.5	290.4
50°	276.9	276.9	276.9	276.9	273.1	273.1	271.2	271.2
52.5°	259.6	259.6	257.7	257.7	255.8	255.8	253.8	253.8
55°	240.4	240.4	240.4	240.4	238.5	236.5	236.5	236.5
57.5°	223.1	223.1	221.2	221.2	219.2	219.2	217.3	219.2
60°	203.8	203.8	203.8	203.8	201.9	201.9	200.0	200.0
62.5°	186.5	184.6	184.6	184.6	182.7	182.7	182.7	182.7
65°	167.3	167.3	165.4	167.3	165.4	165.4	163.5	163.5
67.5°	150.0	148.1	148.1	148.1	148.1	146.2	146.2	146.2
70°	130.8	128.8	128.8	128.8	128.8	128.8	126.9	128.8
72.5°	111.5	111.5	111.5	111.5	109.6	109.6	109.6	109.6
75°	94.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
77.5°	76.9	75.0	75.0	75.0	75.0	73.1	73.1	73.1
80°	57.7	57.7	57.7	55.8	55.8	55.8	55.8	55.8
82.5°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	36.5
85°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
87.5°	9.6	9.6	9.6	9.6	11.5	11.5	11.5	11.5
90°	11.5	11.5	13.5	13.5	13.5	13.5	15.4	15.4
92.5°	30.8	30.8	32.7	32.7	30.8	30.8	32.7	32.7
95°	59.6	59.6	59.6	59.6	57.7	57.7	59.6	59.6
97.5°	96.2	94.2	96.2	94.2	92.3	92.3	92.3	90.4
100°	126.9	126.9	128.8	128.8	128.8	128.8	130.8	128.8
102.5°	144.2	146.2	148.1	148.1	150.0	151.9	151.9	151.9
105°	155.8	157.7	161.5	163.5	169.2	171.2	173.1	173.1
107.5°	178.8	178.8	180.8	182.7	182.7	184.6	186.5	186.5
110°	221.2	213.5	211.5	211.5	207.7	207.7	209.6	211.5



TEST NUMBER: P303210

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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	259.6	261.5	261.5	263.5	255.8	251.9	253.8	253.8
115°	284.6	288.5	288.5	292.3	292.3	294.2	298.1	298.1
117.5°	301.9	307.7	309.6	311.5	317.3	319.2	323.1	323.1
120°	323.1	326.9	328.8	330.8	332.7	334.6	336.5	338.5
122.5°	350.0	348.1	350.0	350.0	351.9	353.8	353.8	355.8
125°	380.8	378.8	376.9	378.8	375.0	373.1	373.1	375.0
127.5°	423.1	415.4	411.5	407.7	405.8	403.8	401.9	400.0
130°	476.9	465.4	457.7	455.8	446.2	440.4	436.5	438.5
132.5°	548.1	530.8	523.1	519.2	501.9	492.3	488.5	488.5
135°	619.2	600.0	592.3	582.7	571.2	561.5	551.9	551.9
137.5°	686.5	673.1	663.5	653.8	642.3	632.7	623.1	621.2
140°	753.8	738.5	728.8	721.2	711.5	701.9	692.3	698.1
142.5°	823.1	805.8	796.2	794.2	780.8	771.2	765.4	767.3
145°	890.4	873.1	865.4	861.5	850.0	838.5	832.7	828.8
147.5°	957.7	942.3	934.6	930.8	919.2	907.7	901.9	900.0
150°	1021.2	1007.7	1000.0	994.2	986.5	976.9	965.4	965.4
152.5°	1082.7	1069.2	1059.6	1059.6	1051.9	1040.4	1028.8	1034.6
155°	1138.5	1126.9	1121.2	1119.2	1111.5	1101.9	1092.3	1096.2
157.5°	1192.3	1178.8	1175.0	1171.2	1167.3	1159.6	1150.0	1153.8
160°	1244.2	1232.7	1228.8	1225.0	1221.2	1213.5	1203.8	1205.8
162.5°	1294.2	1286.5	1278.8	1276.9	1275.0	1265.4	1255.8	1257.7
165°	1336.5	1328.8	1323.1	1321.2	1321.2	1313.5	1303.8	1305.8
167.5°	1376.9	1367.3	1363.5	1359.6	1361.5	1355.8	1348.1	1351.9
170°	1413.5	1407.7	1403.8	1401.9	1403.8	1396.2	1390.4	1392.3
172.5°	1448.1	1444.2	1440.4	1438.5	1442.3	1436.5	1428.8	1430.8
175°	1478.8	1475.0	1473.1	1471.2	1473.1	1465.4	1461.5	1463.5
177.5°	1507.7	1505.8	1503.8	1501.9	1505.8	1496.2	1488.5	1492.3
180°	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6	1534.6

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