

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: P303221

Luminaire Tested: **CTW-F-7525-40L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5774.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

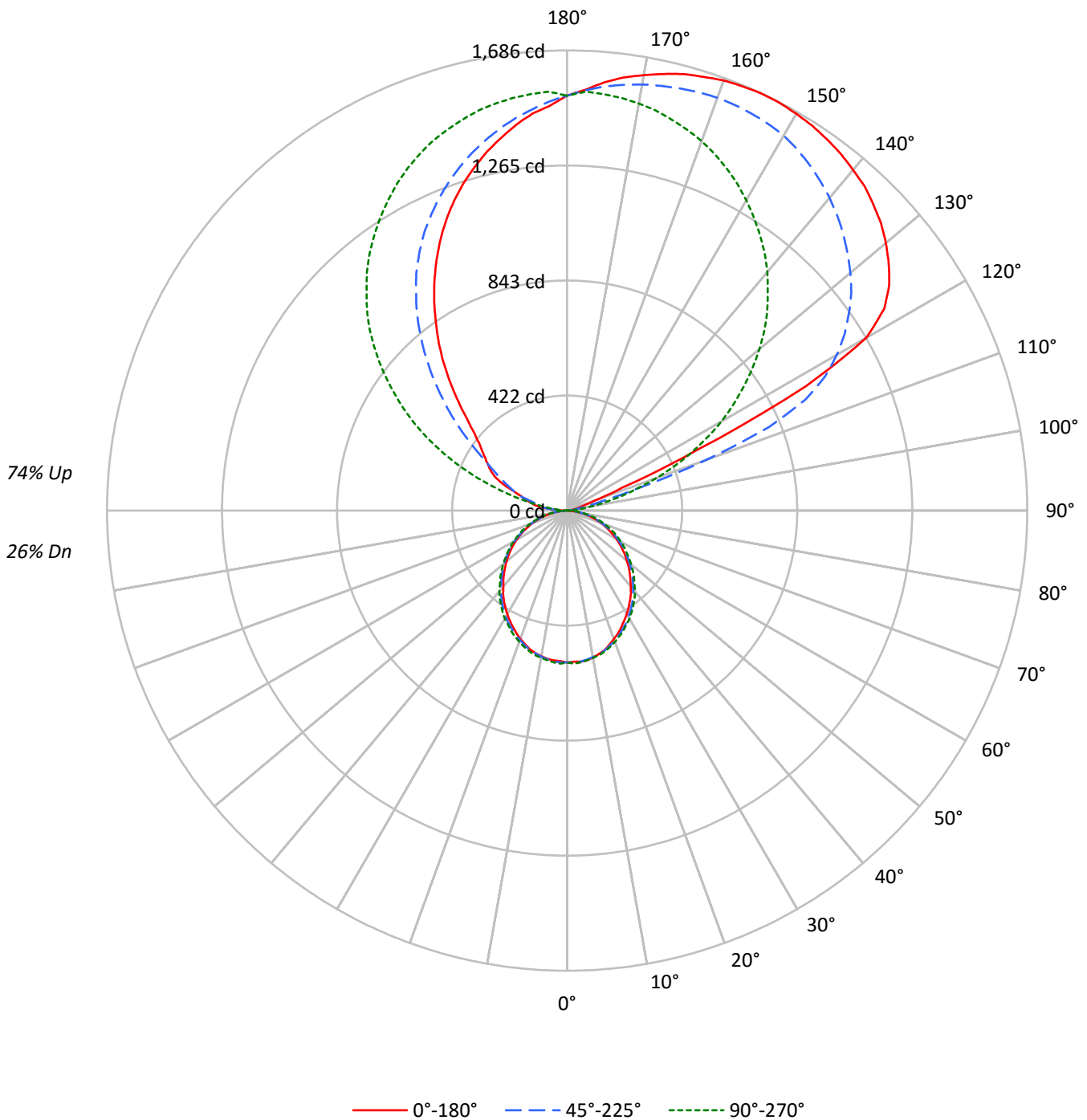
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	21
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	55	68	60	54	50	47	43	39	35	32	30	23	21	20	15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	18	17	15	11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10
7	54	42	35	29	48	38	32	27	30	25	22	22	19	17	15	13	12	9
8	50	38	31	26	45	35	28	24	27	22	19	20	17	15	14	12	10	8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	7990	7990	7990
5°	8000	8042	7938
10°	7966	7988	7903
15°	7864	7930	7821
20°	7644	7820	7644
25°	7446	7698	7446
30°	7242	7577	7267
35°	7026	7404	7075
40°	6782	7241	6810
45°	6586	7027	6645
50°	6377	6828	6473
55°	6208	6641	6315
60°	6002	6499	6128
65°	5732	6367	5926
70°	5447	6173	5690
75°	5041	5917	5357
80°	4413	5480	4769
85°	2849	4989	3326



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	0.9
10°-20°	148.7	2.6
20°-30°	219.5	3.8
30°-40°	257.6	4.5
40°-50°	259.3	4.5
50°-60°	231.2	4.0
60°-70°	177.2	3.1
70°-80°	105.4	1.8
80°-90°	29.1	0.5
90°-100°	42.5	0.7
100°-110°	181.5	3.1
110°-120°	517.9	9.0
120°-130°	757.4	13.1
130°-140°	817.2	14.2
140°-150°	777.6	13.5
150°-160°	638.1	11.1
160°-170°	416.7	7.2
170°-180°	144.4	2.5
0°-30°	420.8	7.3
0°-40°	678.4	11.7
0°-60°	1168.9	20.2
0°-90°	1480.7	25.6
90°-120°	742.0	12.9
90°-150°	3094.1	53.6
90°-180°	4293.0	74.4
0°-180°	5774.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	557	557	557	557	557	
5°	555	555	558	554	551	53
15°	529	531	534	528	526	149
25°	470	480	486	479	470	217
35°	401	415	423	415	404	251
45°	324	338	346	339	327	250
55°	248	258	265	262	252	221
65°	169	177	188	180	174	168
75°	91	97	107	101	97	96
85°	17	22	30	24	20	22
90°	1	1	1	7	13	2
95°	10	13	30	61	56	12
105°	48	130	205	143	159	58
115°	525	965	502	261	291	592
125°	1441	1261	789	433	379	1276
135°	1586	1431	1037	698	562	1225
145°	1660	1548	1232	965	838	1041
155°	1686	1604	1383	1187	1098	779
165°	1656	1601	1483	1354	1305	469
175°	1575	1559	1532	1476	1460	152
180°	1520	1520	1520	1520	1520	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	553.8	552.4	555.3	556.7	556.7	558.2	558.2	558.2	558.2	559.6	556.7
5°	555.3	555.3	555.3	555.3	553.8	555.3	555.3	556.7	556.7	558.2	555.3
7.5°	553.8	552.4	552.4	552.4	551.0	551.0	552.4	552.4	551.0	553.8	551.0
10°	546.6	546.6	545.2	545.2	545.2	545.2	545.2	546.6	546.6	548.1	545.2
12.5°	538.0	538.0	538.0	538.0	536.5	536.5	538.0	539.4	539.4	540.9	539.4
15°	529.3	527.9	529.3	530.8	529.3	529.3	529.3	530.8	530.8	532.2	530.8
17.5°	514.9	514.9	516.3	517.8	517.8	516.3	517.8	519.2	519.2	520.7	519.2
20°	500.5	500.5	501.9	503.4	503.4	503.4	504.8	504.8	506.3	506.3	507.7
22.5°	487.5	486.1	487.5	488.9	488.9	487.5	490.4	490.4	491.8	493.3	494.7
25°	470.2	468.8	471.6	473.1	473.1	473.1	474.5	476.0	477.4	478.8	480.3
27.5°	452.9	452.9	454.3	455.8	457.2	457.2	458.7	461.5	461.5	463.0	465.9
30°	437.0	437.0	438.5	439.9	441.3	441.3	441.3	444.2	447.1	447.1	450.0
32.5°	419.7	418.3	419.7	422.6	422.6	422.6	424.0	426.9	428.4	429.8	432.7
35°	401.0	401.0	402.4	403.8	405.3	405.3	406.7	409.6	411.1	412.5	415.4
37.5°	383.7	382.2	383.7	385.1	386.5	386.5	388.0	390.9	392.3	393.8	396.6
40°	362.0	360.6	362.0	363.5	364.9	364.9	366.3	370.7	372.1	373.6	376.4
42.5°	343.3	341.8	343.3	344.7	346.2	347.6	347.6	349.0	351.9	353.4	356.3
45°	324.5	323.1	323.1	326.0	327.4	327.4	328.8	330.3	333.2	334.6	337.5
47.5°	305.8	304.3	305.8	307.2	307.2	308.7	310.1	310.1	313.0	315.9	317.3
50°	285.6	285.6	285.6	287.0	288.5	289.9	289.9	291.3	292.8	295.7	298.6
52.5°	266.8	265.4	266.8	268.3	269.7	269.7	271.2	271.2	272.6	276.9	278.4
55°	248.1	246.6	246.6	248.1	248.1	249.5	251.0	251.0	252.4	255.3	258.2
57.5°	227.9	227.9	227.9	229.3	229.3	229.3	232.2	232.2	233.7	236.5	238.0
60°	209.1	209.1	207.7	209.1	209.1	210.6	212.0	212.0	213.5	214.9	217.8
62.5°	188.9	188.9	187.5	188.9	190.4	190.4	191.8	191.8	193.3	196.2	197.6
65°	168.8	170.2	168.8	168.8	170.2	170.2	171.6	171.6	173.1	174.5	177.4
67.5°	150.0	150.0	148.6	150.0	150.0	151.4	151.4	152.9	152.9	154.3	155.8
70°	129.8	129.8	129.8	129.8	131.3	131.3	132.7	132.7	132.7	134.1	135.6
72.5°	111.1	111.1	109.6	109.6	111.1	112.5	112.5	113.9	113.9	116.8	116.8
75°	90.9	90.9	90.9	90.9	92.3	92.3	92.3	93.8	95.2	95.2	96.6
77.5°	72.1	70.7	72.1	72.1	72.1	72.1	73.6	75.0	75.0	76.4	77.9
80°	53.4	51.9	53.4	53.4	53.4	53.4	54.8	54.8	56.3	57.7	57.7
82.5°	34.6	33.2	34.6	34.6	34.6	34.6	36.1	36.1	37.5	38.9	38.9
85°	17.3	15.9	17.3	17.3	17.3	17.3	17.3	18.8	20.2	20.2	21.6
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	5.8
90°	1.4	2.9	2.9	2.9	1.4	2.9	1.4	2.9	1.4	1.4	1.4
92.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
95°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	11.5	11.5	11.5	13.0
97.5°	17.3	15.9	15.9	17.3	17.3	17.3	17.3	18.8	20.2	21.6	24.5
100°	24.5	24.5	24.5	26.0	26.0	27.4	27.4	28.8	31.7	34.6	40.4
102.5°	36.1	36.1	36.1	37.5	37.5	38.9	40.4	43.3	47.6	54.8	67.8
105°	47.6	49.0	50.5	51.9	54.8	57.7	59.1	64.9	75.0	93.8	129.8
107.5°	70.7	70.7	73.6	76.4	82.2	88.0	92.3	109.6	134.1	186.1	272.6
110°	111.1	109.6	113.9	126.9	142.8	158.7	167.3	226.4	294.2	408.2	539.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	217.8	214.9	229.3	259.6	317.3	366.3	388.0	501.9	624.5	731.3	800.5
115°	525.0	517.8	548.1	608.7	709.6	768.8	787.5	881.3	943.3	962.0	964.9
117.5°	988.0	979.3	999.5	1032.7	1086.1	1106.3	1101.9	1117.8	1110.6	1093.3	1065.9
120°	1266.3	1259.1	1259.1	1257.7	1260.6	1254.8	1247.6	1231.7	1204.3	1176.9	1140.9
122.5°	1377.4	1374.5	1367.3	1354.3	1345.7	1338.5	1324.0	1301.0	1273.6	1243.3	1205.8
125°	1440.9	1436.5	1429.3	1417.8	1401.9	1396.2	1380.3	1355.8	1328.4	1298.1	1260.6
127.5°	1485.6	1481.3	1474.0	1465.4	1448.1	1442.3	1427.9	1401.9	1376.0	1347.1	1312.5
130°	1524.5	1520.2	1513.0	1505.8	1491.3	1481.3	1468.3	1443.8	1419.2	1390.4	1354.3
132.5°	1559.1	1553.4	1546.2	1540.4	1527.4	1520.2	1505.8	1482.7	1458.2	1430.8	1393.3
135°	1586.5	1583.7	1575.0	1569.2	1556.3	1547.6	1536.1	1514.4	1491.3	1463.9	1430.8
137.5°	1612.5	1605.3	1601.0	1593.8	1580.8	1572.1	1562.0	1541.8	1520.2	1495.7	1465.4
140°	1629.8	1625.5	1619.7	1615.4	1602.4	1592.3	1583.7	1567.8	1546.2	1523.1	1495.7
142.5°	1647.1	1642.8	1638.5	1631.3	1619.7	1612.5	1603.8	1589.4	1572.1	1549.0	1523.1
145°	1660.1	1655.8	1651.4	1647.1	1635.6	1628.4	1621.2	1609.6	1592.3	1570.7	1547.6
147.5°	1671.6	1668.8	1664.4	1660.1	1650.0	1644.2	1638.5	1626.9	1609.6	1588.0	1569.2
150°	1678.8	1676.0	1671.6	1670.2	1658.7	1652.9	1648.6	1638.5	1622.6	1601.0	1586.5
152.5°	1684.6	1681.7	1677.4	1676.0	1664.4	1660.1	1655.8	1645.7	1629.8	1609.6	1596.6
155°	1686.1	1683.2	1678.8	1676.0	1664.4	1660.1	1657.2	1647.1	1634.1	1616.8	1603.8
157.5°	1681.7	1680.3	1677.4	1671.6	1661.5	1657.2	1655.8	1645.7	1635.6	1621.2	1608.2
160°	1677.4	1674.5	1673.1	1668.8	1660.1	1657.2	1655.8	1647.1	1637.0	1624.0	1609.6
162.5°	1665.9	1665.9	1664.4	1661.5	1654.3	1651.4	1650.0	1642.8	1632.7	1622.6	1606.7
165°	1655.8	1654.3	1651.4	1648.6	1642.8	1641.3	1638.5	1634.1	1624.0	1616.8	1601.0
167.5°	1638.5	1637.0	1634.1	1629.8	1625.5	1625.5	1624.0	1621.2	1612.5	1609.6	1593.8
170°	1619.7	1616.8	1616.8	1613.9	1609.6	1609.6	1609.6	1606.7	1599.5	1598.1	1585.1
172.5°	1601.0	1598.1	1596.6	1595.2	1589.4	1590.9	1590.9	1588.0	1583.7	1586.5	1573.6
175°	1575.0	1573.6	1570.7	1570.7	1567.8	1569.2	1572.1	1570.7	1566.3	1570.7	1559.1
177.5°	1543.3	1541.8	1543.3	1547.6	1544.7	1549.0	1549.0	1550.5	1549.0	1553.4	1541.8
180°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	553.8	555.3	553.8	555.3	555.3	553.8	555.3	556.7	559.6	561.1	559.6
5°	552.4	552.4	552.4	552.4	552.4	552.4	552.4	553.8	556.7	558.2	556.7
7.5°	548.1	549.5	548.1	549.5	549.5	548.1	548.1	551.0	552.4	553.8	552.4
10°	543.8	543.8	542.3	543.8	543.8	543.8	543.8	545.2	546.6	548.1	546.6
12.5°	536.5	536.5	535.1	536.5	536.5	536.5	536.5	538.0	540.9	542.3	540.9
15°	527.9	527.9	527.9	527.9	529.3	527.9	527.9	530.8	532.2	533.7	532.2
17.5°	516.3	517.8	516.3	517.8	517.8	517.8	517.8	520.7	522.1	523.6	522.1
20°	503.4	504.8	504.8	504.8	506.3	506.3	506.3	507.7	510.6	512.0	510.6
22.5°	491.8	493.3	493.3	493.3	493.3	493.3	494.7	496.2	499.0	499.0	499.0
25°	477.4	477.4	478.8	480.3	480.3	480.3	481.7	483.2	484.6	486.1	484.6
27.5°	463.0	463.0	463.0	465.9	465.9	465.9	465.9	467.3	470.2	470.2	470.2
30°	448.6	447.1	448.6	450.0	451.4	451.4	451.4	452.9	455.8	457.2	455.8
32.5°	432.7	431.3	432.7	434.1	434.1	435.6	435.6	437.0	439.9	439.9	439.9
35°	415.4	413.9	415.4	416.8	416.8	418.3	419.7	419.7	422.6	422.6	422.6
37.5°	398.1	396.6	398.1	399.5	399.5	401.0	401.0	402.4	405.3	405.3	405.3
40°	379.3	377.9	377.9	380.8	380.8	380.8	383.7	383.7	386.5	386.5	386.5
42.5°	359.1	357.7	359.1	360.6	360.6	360.6	362.0	363.5	364.9	364.9	364.9
45°	338.9	338.9	340.4	341.8	341.8	341.8	343.3	344.7	346.2	346.2	346.2
47.5°	320.2	320.2	321.6	323.1	323.1	323.1	324.5	324.5	327.4	326.0	326.0
50°	300.0	301.4	302.9	304.3	304.3	304.3	305.8	305.8	307.2	305.8	307.2
52.5°	279.8	281.3	282.7	284.1	284.1	284.1	285.6	285.6	287.0	285.6	287.0
55°	259.6	259.6	262.5	263.9	263.9	263.9	265.4	265.4	266.8	265.4	266.8
57.5°	240.9	240.9	242.3	243.8	243.8	243.8	245.2	246.6	246.6	246.6	246.6
60°	219.2	220.7	222.1	223.6	225.0	225.0	225.0	226.4	226.4	226.4	226.4
62.5°	199.0	200.5	201.9	203.4	204.8	203.4	204.8	206.3	206.3	206.3	206.3
65°	178.8	180.3	181.7	183.2	184.6	183.2	184.6	186.1	186.1	187.5	186.1
67.5°	158.7	158.7	161.5	163.0	163.0	163.0	164.4	165.9	165.9	167.3	167.3
70°	138.5	138.5	141.3	142.8	142.8	142.8	144.2	145.7	147.1	147.1	147.1
72.5°	118.3	119.7	121.2	122.6	124.0	122.6	124.0	125.5	126.9	126.9	126.9
75°	98.1	99.5	101.0	102.4	103.8	102.4	103.8	105.3	105.3	106.7	106.7
77.5°	77.9	79.3	80.8	82.2	83.7	83.7	83.7	85.1	86.5	88.0	86.5
80°	59.1	60.6	62.0	63.5	64.9	63.5	64.9	64.9	66.3	66.3	66.3
82.5°	40.4	43.3	43.3	44.7	44.7	44.7	46.2	46.2	47.6	49.0	47.6
85°	23.1	24.5	26.0	27.4	27.4	27.4	27.4	28.8	28.8	30.3	30.3
87.5°	7.2	7.2	8.7	10.1	10.1	10.1	11.5	11.5	13.0	13.0	13.0
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°	5.8	5.8	7.2	8.7	10.1	11.5	14.4	14.4	13.0	11.5	13.0
95°	14.4	17.3	21.6	27.4	33.2	36.1	43.3	41.8	36.1	30.3	28.8
97.5°	28.8	36.1	46.2	62.0	73.6	80.8	89.4	82.2	69.2	59.1	53.4
100°	51.9	67.8	90.9	124.0	141.3	148.6	151.4	135.6	115.4	96.6	85.1
102.5°	93.8	131.3	177.4	223.6	240.9	240.9	232.2	203.4	173.1	145.7	124.0
105°	186.1	249.5	320.2	354.8	362.0	351.9	323.1	284.1	240.9	204.8	174.5
107.5°	376.4	460.1	491.8	490.4	483.2	458.7	419.7	370.7	315.9	271.2	233.7
110°	623.1	647.6	641.8	608.7	589.9	562.5	509.1	460.1	395.2	347.6	300.0



TEST NUMBER: P303221

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	816.3	791.8	755.8	705.3	682.2	653.4	598.6	545.2	476.0	425.5	373.6
115°	940.4	894.2	846.6	791.8	767.3	737.0	682.2	623.1	553.8	501.9	448.6
117.5°	1029.8	975.0	924.5	869.7	846.6	816.3	760.1	698.1	628.8	578.4	525.0
120°	1094.7	1047.1	995.2	941.8	920.2	889.9	830.8	771.6	706.7	651.9	598.6
122.5°	1159.6	1109.1	1060.1	1009.6	988.0	957.7	895.7	838.0	774.5	721.2	669.2
125°	1215.9	1166.8	1120.7	1073.1	1050.0	1016.8	959.1	901.4	840.9	788.9	739.9
127.5°	1267.8	1223.1	1175.5	1129.3	1106.3	1071.6	1016.8	960.6	905.8	855.3	806.3
130°	1313.9	1275.0	1228.8	1182.7	1156.7	1125.0	1073.1	1018.3	966.3	918.8	871.2
132.5°	1357.2	1319.7	1276.4	1227.4	1201.4	1174.0	1123.6	1074.5	1025.5	980.8	934.6
135°	1399.0	1358.7	1315.4	1267.8	1244.7	1220.2	1171.2	1122.1	1080.3	1037.0	993.8
137.5°	1436.5	1391.8	1350.0	1305.3	1283.7	1260.6	1214.4	1169.7	1130.8	1087.5	1047.1
140°	1466.8	1422.1	1383.2	1338.5	1319.7	1299.5	1254.8	1213.0	1178.4	1140.9	1100.5
142.5°	1491.3	1448.1	1412.0	1371.6	1354.3	1334.1	1292.3	1256.3	1224.5	1188.5	1149.5
145°	1511.5	1472.6	1438.0	1400.5	1384.6	1367.3	1328.4	1296.6	1264.9	1231.7	1195.7
147.5°	1531.7	1494.2	1463.9	1429.3	1414.9	1399.0	1361.5	1334.1	1305.3	1273.6	1240.4
150°	1547.6	1514.4	1484.1	1453.8	1439.4	1425.0	1391.8	1364.4	1341.3	1312.5	1282.2
152.5°	1559.1	1531.7	1504.3	1476.9	1462.5	1449.5	1422.1	1397.6	1377.4	1350.0	1321.2
155°	1567.8	1544.7	1520.2	1497.1	1484.1	1472.6	1446.6	1426.4	1406.3	1383.2	1355.8
157.5°	1575.0	1554.8	1533.2	1510.1	1501.4	1489.9	1466.8	1451.0	1433.7	1413.5	1388.9
160°	1579.3	1563.5	1541.8	1524.5	1515.9	1507.2	1485.6	1471.2	1458.2	1440.9	1417.8
162.5°	1580.8	1566.3	1549.0	1534.6	1527.4	1518.8	1500.0	1489.9	1476.9	1462.5	1440.9
165°	1579.3	1569.2	1553.4	1541.8	1536.1	1527.4	1513.0	1504.3	1495.7	1482.7	1463.9
167.5°	1576.4	1566.3	1556.3	1546.2	1540.4	1534.6	1523.1	1517.3	1510.1	1501.4	1485.6
170°	1570.7	1564.9	1554.8	1549.0	1544.7	1538.9	1528.8	1526.0	1523.1	1514.4	1501.4
172.5°	1562.0	1557.7	1550.5	1546.2	1543.3	1538.9	1531.7	1531.7	1530.3	1524.5	1513.0
175°	1549.0	1547.6	1541.8	1540.4	1538.9	1534.6	1531.7	1533.2	1534.6	1531.7	1523.1
177.5°	1534.6	1536.1	1531.7	1533.2	1531.7	1528.8	1528.8	1533.2	1536.1	1536.1	1530.3
180°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2



TEST NUMBER: P303221

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	558.2	555.3	553.8	555.3	553.8	552.4	552.4	553.8	556.7	559.6	556.7
5°	555.3	552.4	552.4	552.4	552.4	551.0	551.0	551.0	553.8	558.2	553.8
7.5°	551.0	548.1	548.1	548.1	548.1	546.6	546.6	546.6	549.5	552.4	549.5
10°	545.2	543.8	542.3	542.3	542.3	540.9	539.4	540.9	543.8	546.6	542.3
12.5°	538.0	536.5	535.1	535.1	535.1	533.7	533.7	533.7	536.5	538.0	535.1
15°	529.3	527.9	526.4	527.9	526.4	525.0	525.0	525.0	527.9	529.3	526.4
17.5°	519.2	517.8	516.3	516.3	516.3	513.5	513.5	513.5	517.8	517.8	514.9
20°	507.7	504.8	504.8	504.8	503.4	501.9	501.9	501.9	504.8	504.8	501.9
22.5°	496.2	494.7	491.8	491.8	491.8	490.4	488.9	488.9	493.3	490.4	488.9
25°	483.2	480.3	478.8	478.8	477.4	476.0	474.5	474.5	478.8	476.0	473.1
27.5°	467.3	465.9	464.4	464.4	463.0	460.1	460.1	460.1	464.4	460.1	458.7
30°	452.9	451.4	450.0	450.0	448.6	445.7	445.7	447.1	450.0	445.7	444.2
32.5°	437.0	435.6	432.7	432.7	431.3	429.8	429.8	431.3	432.7	428.4	426.9
35°	419.7	418.3	416.8	416.8	415.4	413.9	413.9	415.4	415.4	411.1	409.6
37.5°	402.4	401.0	399.5	398.1	396.6	396.6	396.6	398.1	396.6	393.8	390.9
40°	385.1	383.7	380.8	380.8	379.3	377.9	377.9	380.8	377.9	375.0	370.7
42.5°	363.5	362.0	359.1	359.1	357.7	357.7	359.1	360.6	357.7	354.8	351.9
45°	344.7	343.3	341.8	341.8	340.4	340.4	340.4	340.4	338.9	337.5	334.6
47.5°	326.0	324.5	323.1	323.1	323.1	321.6	321.6	321.6	320.2	317.3	315.9
50°	307.2	305.8	304.3	304.3	302.9	301.4	302.9	301.4	301.4	298.6	295.7
52.5°	287.0	285.6	285.6	284.1	285.6	284.1	282.7	282.7	281.3	278.4	276.9
55°	266.8	266.8	265.4	265.4	265.4	263.9	263.9	262.5	262.5	259.6	256.7
57.5°	248.1	246.6	246.6	246.6	246.6	243.8	243.8	242.3	242.3	239.4	238.0
60°	227.9	226.4	226.4	226.4	226.4	225.0	223.6	223.6	220.7	219.2	217.8
62.5°	207.7	206.3	206.3	206.3	206.3	204.8	203.4	203.4	200.5	199.0	197.6
65°	187.5	186.1	186.1	186.1	186.1	184.6	183.2	183.2	180.3	178.8	178.8
67.5°	167.3	165.9	165.9	165.9	165.9	164.4	163.0	163.0	160.1	160.1	158.7
70°	147.1	147.1	147.1	145.7	145.7	144.2	142.8	142.8	139.9	139.9	138.5
72.5°	126.9	126.9	125.5	124.0	125.5	125.5	122.6	122.6	121.2	121.2	119.7
75°	106.7	106.7	105.3	105.3	105.3	103.8	102.4	102.4	101.0	101.0	99.5
77.5°	86.5	86.5	85.1	85.1	86.5	85.1	83.7	83.7	82.2	82.2	80.8
80°	66.3	67.8	66.3	67.8	66.3	66.3	64.9	63.5	63.5	63.5	62.0
82.5°	47.6	49.0	47.6	49.0	47.6	47.6	46.2	44.7	43.3	43.3	41.8
85°	30.3	30.3	28.8	30.3	28.8	28.8	27.4	26.0	24.5	24.5	24.5
87.5°	13.0	13.0	11.5	13.0	11.5	11.5	10.1	10.1	8.7	8.7	8.7
90°	2.9	4.3	5.8	5.8	5.8	5.8	7.2	7.2	7.2	7.2	8.7
92.5°	18.8	24.5	27.4	27.4	26.0	27.4	28.8	27.4	27.4	26.0	26.0
95°	33.2	37.5	44.7	49.0	53.4	59.1	62.0	60.6	60.6	57.7	57.7
97.5°	50.5	56.3	62.0	60.6	62.0	70.7	77.9	85.1	89.4	92.3	93.8
100°	79.3	76.4	80.8	85.1	86.5	85.1	88.0	95.2	102.4	105.3	111.1
102.5°	113.9	105.3	102.4	103.8	106.7	116.8	112.5	113.9	115.4	118.3	125.5
105°	155.8	141.3	134.1	132.7	131.3	135.6	145.7	148.6	142.8	141.3	144.2
107.5°	206.3	184.6	173.1	167.3	164.4	164.4	167.3	176.0	183.2	180.3	177.4
110°	266.8	235.1	217.8	207.7	200.5	196.2	197.6	200.5	207.7	214.9	220.7



TEST NUMBER: P303221

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	333.2	294.2	266.8	255.3	245.2	232.2	229.3	229.3	232.2	239.4	246.6
115°	406.7	359.1	324.5	308.7	297.1	275.5	265.4	259.6	261.1	262.5	268.3
117.5°	480.3	431.3	390.9	370.7	354.8	327.4	307.2	297.1	292.8	291.3	294.2
120°	551.0	504.8	461.5	439.9	419.7	386.5	359.1	337.5	328.8	321.6	320.2
122.5°	620.2	575.5	530.8	507.7	487.5	451.4	424.0	395.2	375.0	359.1	350.5
125°	693.8	644.7	600.0	579.8	558.2	519.2	484.6	458.7	432.7	411.1	395.2
127.5°	758.7	713.9	669.2	649.0	630.3	588.5	552.4	523.6	496.2	468.8	445.7
130°	825.0	781.7	738.5	716.8	696.6	659.1	621.6	589.9	562.5	535.1	509.1
132.5°	888.5	846.6	804.8	783.2	765.9	728.4	689.4	659.1	628.8	602.9	576.9
135°	949.0	905.8	868.3	846.6	826.4	793.3	757.2	729.8	698.1	670.7	646.2
137.5°	1006.7	963.5	928.8	908.7	892.8	859.6	826.4	797.6	767.3	739.9	713.9
140°	1060.1	1019.7	982.2	966.3	947.6	918.8	888.5	863.9	835.1	806.3	783.2
142.5°	1112.0	1073.1	1041.3	1021.2	1006.7	976.4	947.6	927.4	902.9	872.6	851.0
145°	1158.2	1122.1	1093.3	1076.0	1057.2	1029.8	1003.8	985.1	964.9	937.5	915.9
147.5°	1205.8	1171.2	1140.9	1127.9	1110.6	1084.6	1061.5	1042.8	1028.4	1001.0	980.8
150°	1250.5	1217.3	1187.0	1174.0	1159.6	1135.1	1113.5	1097.6	1084.6	1060.1	1041.3
152.5°	1292.3	1259.1	1233.2	1220.2	1205.8	1184.1	1162.5	1146.6	1139.4	1114.9	1096.2
155°	1328.4	1298.1	1275.0	1264.9	1250.5	1227.4	1208.7	1194.2	1187.0	1166.8	1151.0
157.5°	1363.0	1332.7	1312.5	1303.8	1290.9	1269.2	1253.4	1237.5	1233.2	1217.3	1200.0
160°	1393.3	1367.3	1350.0	1341.3	1329.8	1308.2	1293.8	1280.8	1276.4	1264.9	1249.0
162.5°	1420.7	1397.6	1383.2	1373.1	1363.0	1347.1	1331.3	1319.7	1316.8	1309.6	1292.3
165°	1446.6	1425.0	1410.6	1403.4	1396.2	1380.3	1365.9	1357.2	1354.3	1350.0	1332.7
167.5°	1469.7	1449.5	1436.5	1432.2	1423.6	1410.6	1399.0	1390.4	1388.9	1387.5	1371.6
170°	1487.0	1469.7	1461.1	1453.8	1449.5	1438.0	1427.9	1420.7	1420.7	1422.1	1406.3
172.5°	1502.9	1488.5	1479.8	1475.5	1471.2	1461.1	1453.8	1446.6	1449.5	1452.4	1439.4
175°	1514.4	1502.9	1495.7	1492.8	1489.9	1481.3	1475.5	1472.6	1475.5	1481.3	1468.3
177.5°	1523.1	1514.4	1510.1	1508.7	1505.8	1500.0	1497.1	1494.2	1500.0	1507.2	1495.7
180°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2



TEST NUMBER: P303221

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	558.2	558.2	556.7	556.7	555.3	553.8	552.4	552.4
5°	555.3	553.8	553.8	553.8	552.4	552.4	551.0	551.0
7.5°	549.5	549.5	549.5	548.1	549.5	548.1	548.1	548.1
10°	543.8	542.3	542.3	542.3	542.3	540.9	540.9	542.3
12.5°	536.5	535.1	533.7	533.7	533.7	533.7	533.7	535.1
15°	526.4	526.4	526.4	525.0	525.0	525.0	525.0	526.4
17.5°	514.9	513.5	513.5	513.5	513.5	513.5	513.5	513.5
20°	501.9	500.5	500.5	499.0	499.0	499.0	499.0	500.5
22.5°	488.9	486.1	486.1	484.6	486.1	486.1	484.6	486.1
25°	473.1	471.6	471.6	470.2	470.2	468.8	468.8	470.2
27.5°	458.7	457.2	455.8	455.8	454.3	452.9	452.9	454.3
30°	442.8	441.3	439.9	438.5	438.5	437.0	437.0	438.5
32.5°	425.5	424.0	422.6	422.6	421.2	419.7	419.7	421.2
35°	408.2	406.7	405.3	405.3	403.8	402.4	402.4	403.8
37.5°	390.9	388.0	388.0	388.0	386.5	385.1	383.7	385.1
40°	369.2	367.8	366.3	364.9	364.9	363.5	363.5	363.5
42.5°	350.5	349.0	349.0	347.6	346.2	344.7	344.7	346.2
45°	331.7	331.7	330.3	328.8	327.4	327.4	327.4	327.4
47.5°	313.0	311.5	311.5	311.5	308.7	308.7	307.2	308.7
50°	294.2	292.8	292.8	292.8	289.9	289.9	289.9	289.9
52.5°	275.5	274.0	274.0	272.6	272.6	271.2	269.7	271.2
55°	255.3	255.3	253.8	253.8	252.4	251.0	251.0	252.4
57.5°	236.5	235.1	235.1	235.1	233.7	232.2	232.2	233.7
60°	216.3	216.3	216.3	214.9	213.5	213.5	213.5	213.5
62.5°	197.6	196.2	196.2	196.2	196.2	194.7	193.3	193.3
65°	177.4	176.0	176.0	176.0	174.5	176.0	174.5	174.5
67.5°	157.2	157.2	157.2	155.8	155.8	155.8	154.3	154.3
70°	138.5	137.0	138.5	137.0	137.0	137.0	135.6	135.6
72.5°	119.7	118.3	118.3	116.8	118.3	116.8	116.8	115.4
75°	99.5	99.5	98.1	98.1	98.1	98.1	96.6	96.6
77.5°	80.8	80.8	79.3	79.3	79.3	77.9	77.9	76.4
80°	60.6	60.6	60.6	59.1	59.1	59.1	59.1	57.7
82.5°	41.8	41.8	41.8	40.4	40.4	38.9	38.9	37.5
85°	23.1	23.1	23.1	21.6	21.6	21.6	21.6	20.2
87.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
90°	8.7	10.1	8.7	10.1	11.5	11.5	11.5	13.0
92.5°	26.0	26.0	26.0	27.4	27.4	26.0	26.0	26.0
95°	57.7	57.7	57.7	57.7	57.7	56.3	56.3	56.3
97.5°	95.2	95.2	95.2	96.6	95.2	92.3	92.3	92.3
100°	113.9	116.8	118.3	119.7	121.2	122.6	122.6	122.6
102.5°	131.3	132.7	134.1	135.6	137.0	137.0	137.0	137.0
105°	147.1	148.6	148.6	150.0	154.3	157.2	158.7	158.7
107.5°	176.0	176.0	176.0	177.4	177.4	177.4	177.4	177.4
110°	223.6	216.3	214.9	209.1	210.6	209.1	209.1	209.1



TEST NUMBER: P303221

CATALOG NUMBER: CTW-F-7525-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	253.8	258.2	259.6	261.1	261.1	259.6	256.7	255.3
115°	276.9	281.3	284.1	284.1	288.5	291.3	291.3	291.3
117.5°	298.6	302.9	304.3	307.2	310.1	313.0	314.4	314.4
120°	321.6	326.0	326.0	328.8	330.3	333.2	334.6	334.6
122.5°	347.6	350.5	350.5	350.5	353.4	353.4	354.8	354.8
125°	386.5	383.7	382.2	380.8	380.8	379.3	380.8	379.3
127.5°	431.3	424.0	419.7	415.4	412.5	408.2	408.2	406.7
130°	486.1	477.4	467.3	463.0	455.8	451.4	448.6	445.7
132.5°	552.4	540.9	530.8	523.6	513.5	504.8	500.5	497.6
135°	624.5	605.8	594.2	589.9	578.4	568.3	565.4	562.5
137.5°	692.3	675.0	664.9	660.6	649.0	638.9	634.6	631.7
140°	758.7	741.3	729.8	728.4	716.8	708.2	705.3	702.4
142.5°	826.4	812.0	799.0	794.7	784.6	778.8	773.1	771.6
145°	892.8	876.9	865.4	862.5	852.4	845.2	840.9	838.0
147.5°	959.1	944.7	933.2	930.3	920.2	914.4	908.7	905.8
150°	1022.6	1005.3	998.1	995.2	985.1	980.8	975.0	972.1
152.5°	1081.7	1065.9	1060.1	1055.8	1048.6	1039.9	1038.5	1035.6
155°	1135.1	1120.7	1116.3	1112.0	1104.8	1100.5	1099.0	1097.6
157.5°	1188.5	1175.5	1169.7	1165.4	1159.6	1155.3	1153.8	1155.3
160°	1240.4	1227.4	1223.1	1220.2	1211.5	1208.7	1208.7	1208.7
162.5°	1286.5	1276.4	1272.1	1269.2	1264.9	1260.6	1257.7	1259.1
165°	1328.4	1319.7	1316.8	1312.5	1308.2	1306.7	1305.3	1305.3
167.5°	1367.3	1358.7	1355.8	1351.4	1350.0	1347.1	1345.7	1348.6
170°	1404.8	1396.2	1394.7	1390.4	1387.5	1386.1	1383.2	1387.5
172.5°	1438.0	1432.2	1429.3	1426.4	1426.4	1425.0	1423.6	1426.4
175°	1468.3	1463.9	1461.1	1456.7	1458.2	1456.7	1456.7	1459.6
177.5°	1497.1	1494.2	1491.3	1489.9	1488.5	1485.6	1482.7	1484.1
180°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2

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