

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: P303222

Luminaire Tested: **CTW-F-7525-40L835-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303222
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-7525-40L835-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6004.9 lumens
Efficiency: N/A
Efficacy: 138.4 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

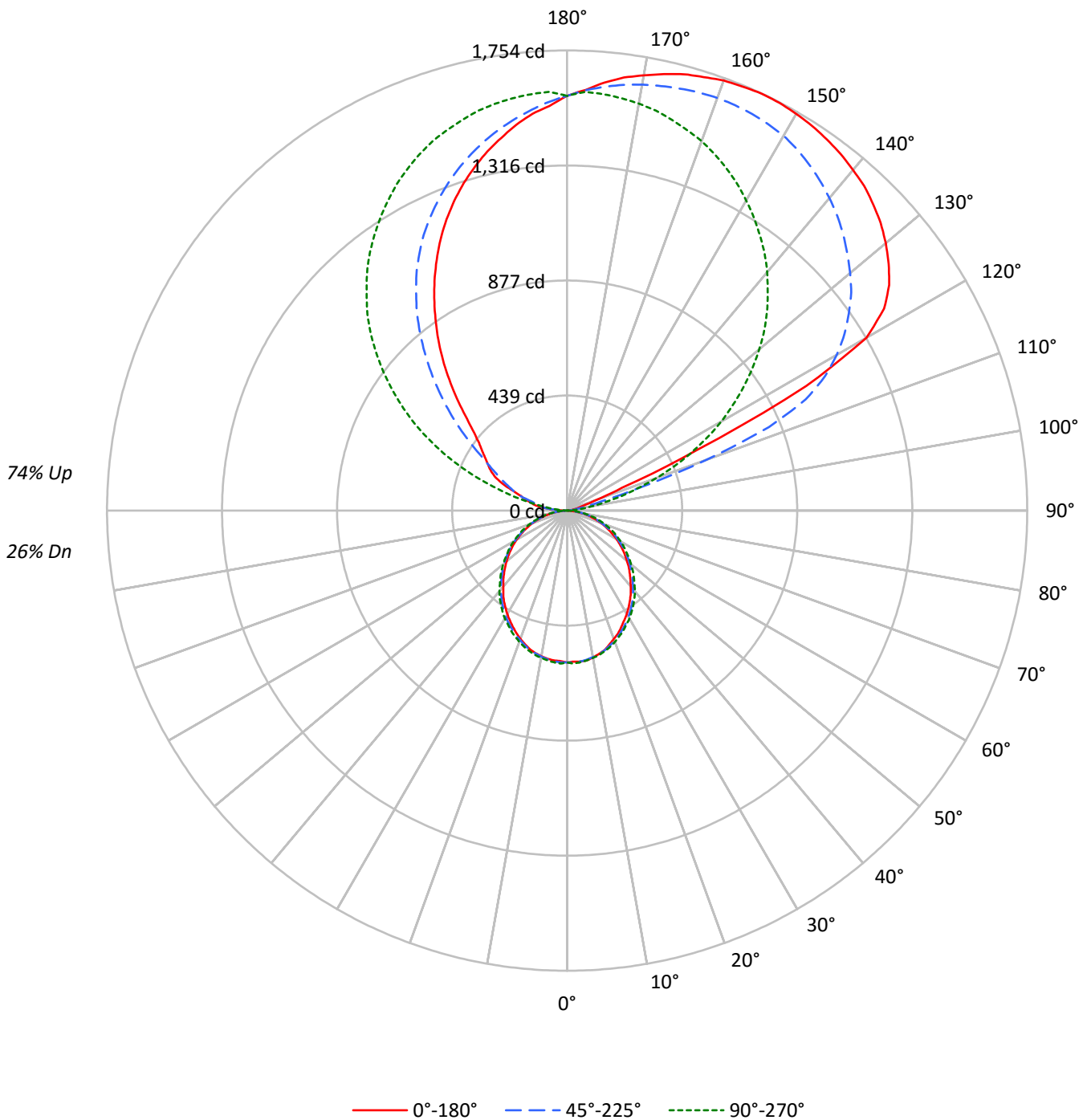
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	8310	8310	8310
5°	8320	8363	8255
10°	8285	8307	8219
15°	8179	8246	8135
20°	7950	8133	7950
25°	7744	8005	7744
30°	7532	7880	7557
35°	7306	7700	7359
40°	7054	7531	7082
45°	6850	7307	6911
50°	6631	7100	6732
55°	6456	6906	6568
60°	6243	6760	6372
65°	5960	6622	6164
70°	5665	6420	5917
75°	5240	6155	5573
80°	4587	5703	4959
85°	2964	5187	3458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	0.9
10°-20°	154.6	2.6
20°-30°	228.3	3.8
30°-40°	267.9	4.5
40°-50°	269.7	4.5
50°-60°	240.5	4.0
60°-70°	184.3	3.1
70°-80°	109.6	1.8
80°-90°	30.3	0.5
90°-100°	44.2	0.7
100°-110°	188.8	3.1
110°-120°	538.6	9.0
120°-130°	787.7	13.1
130°-140°	849.8	14.2
140°-150°	808.7	13.5
150°-160°	663.6	11.1
160°-170°	433.3	7.2
170°-180°	150.1	2.5
0°-30°	437.6	7.3
0°-40°	705.5	11.7
0°-60°	1215.7	20.2
0°-90°	1539.9	25.6
90°-120°	771.7	12.9
90°-150°	3217.9	53.6
90°-180°	4465.0	74.4
0°-180°	6004.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	579	579	579	579	579	
5°	578	578	580	576	573	55
15°	550	552	555	549	548	155
25°	489	500	506	498	489	225
35°	417	432	440	432	420	261
45°	338	351	360	352	340	260
55°	258	268	276	273	262	230
65°	176	184	195	188	182	174
75°	94	100	111	105	100	100
85°	18	22	32	26	21	23
90°	2	2	2	8	14	2
95°	10	14	32	63	58	12
105°	50	135	213	148	165	61
115°	546	1004	522	272	303	616
125°	1498	1311	820	450	394	1327
135°	1650	1488	1078	726	585	1274
145°	1726	1610	1281	1004	872	1083
155°	1754	1668	1438	1234	1142	810
165°	1722	1665	1542	1408	1358	488
175°	1638	1622	1593	1534	1518	158
180°	1581	1581	1581	1581	1581	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	576.0	574.5	577.5	579.0	579.0	580.5	580.5	580.5	580.5	582.0	579.0
5°	577.5	577.5	577.5	577.5	576.0	577.5	577.5	579.0	579.0	580.5	577.5
7.5°	576.0	574.5	574.5	574.5	573.0	573.0	574.5	574.5	573.0	576.0	573.0
10°	568.5	568.5	567.0	567.0	567.0	567.0	567.0	568.5	568.5	570.0	567.0
12.5°	559.5	559.5	559.5	559.5	558.0	558.0	559.5	561.0	561.0	562.5	561.0
15°	550.5	549.0	550.5	552.0	550.5	550.5	550.5	552.0	552.0	553.5	552.0
17.5°	535.5	535.5	537.0	538.5	538.5	537.0	538.5	540.0	540.0	541.5	540.0
20°	520.5	520.5	522.0	523.5	523.5	523.5	525.0	525.0	526.5	526.5	528.0
22.5°	507.0	505.5	507.0	508.5	508.5	507.0	510.0	510.0	511.5	513.0	514.5
25°	489.0	487.5	490.5	492.0	492.0	492.0	493.5	495.0	496.5	498.0	499.5
27.5°	471.0	471.0	472.5	474.0	475.5	475.5	477.0	480.0	480.0	481.5	484.5
30°	454.5	454.5	456.0	457.5	459.0	459.0	459.0	462.0	465.0	465.0	468.0
32.5°	436.5	435.0	436.5	439.5	439.5	439.5	441.0	444.0	445.5	447.0	450.0
35°	417.0	417.0	418.5	420.0	421.5	421.5	423.0	426.0	427.5	429.0	432.0
37.5°	399.0	397.5	399.0	400.5	402.0	402.0	403.5	406.5	408.0	409.5	412.5
40°	376.5	375.0	376.5	378.0	379.5	379.5	381.0	385.5	387.0	388.5	391.5
42.5°	357.0	355.5	357.0	358.5	360.0	361.5	361.5	363.0	366.0	367.5	370.5
45°	337.5	336.0	336.0	339.0	340.5	340.5	342.0	343.5	346.5	348.0	351.0
47.5°	318.0	316.5	318.0	319.5	319.5	321.0	322.5	322.5	325.5	328.5	330.0
50°	297.0	297.0	297.0	298.5	300.0	301.5	301.5	303.0	304.5	307.5	310.5
52.5°	277.5	276.0	277.5	279.0	280.5	280.5	282.0	282.0	283.5	288.0	289.5
55°	258.0	256.5	256.5	258.0	258.0	259.5	261.0	261.0	262.5	265.5	268.5
57.5°	237.0	237.0	237.0	238.5	238.5	238.5	241.5	241.5	243.0	246.0	247.5
60°	217.5	217.5	216.0	217.5	217.5	219.0	220.5	220.5	222.0	223.5	226.5
62.5°	196.5	196.5	195.0	196.5	198.0	198.0	199.5	199.5	201.0	204.0	205.5
65°	175.5	177.0	175.5	175.5	177.0	177.0	178.5	178.5	180.0	181.5	184.5
67.5°	156.0	156.0	154.5	156.0	156.0	157.5	157.5	159.0	159.0	160.5	162.0
70°	135.0	135.0	135.0	135.0	136.5	136.5	138.0	138.0	138.0	139.5	141.0
72.5°	115.5	115.5	114.0	114.0	115.5	117.0	117.0	118.5	118.5	121.5	121.5
75°	94.5	94.5	94.5	94.5	96.0	96.0	96.0	97.5	99.0	99.0	100.5
77.5°	75.0	73.5	75.0	75.0	75.0	75.0	76.5	78.0	78.0	79.5	81.0
80°	55.5	54.0	55.5	55.5	55.5	55.5	57.0	57.0	58.5	60.0	60.0
82.5°	36.0	34.5	36.0	36.0	36.0	36.0	37.5	37.5	39.0	40.5	40.5
85°	18.0	16.5	18.0	18.0	18.0	18.0	18.0	19.5	21.0	21.0	22.5
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	6.0
90°	1.5	3.0	3.0	3.0	1.5	3.0	1.5	3.0	1.5	1.5	1.5
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.0	12.0	12.0	13.5
97.5°	18.0	16.5	16.5	18.0	18.0	18.0	18.0	19.5	21.0	22.5	25.5
100°	25.5	25.5	25.5	27.0	27.0	28.5	28.5	30.0	33.0	36.0	42.0
102.5°	37.5	37.5	37.5	39.0	39.0	40.5	42.0	45.0	49.5	57.0	70.5
105°	49.5	51.0	52.5	54.0	57.0	60.0	61.5	67.5	78.0	97.5	135.0
107.5°	73.5	73.5	76.5	79.5	85.5	91.5	96.0	114.0	139.5	193.5	283.5
110°	115.5	114.0	118.5	132.0	148.5	165.0	174.0	235.5	306.0	424.5	561.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	226.5	223.5	238.5	270.0	330.0	381.0	403.5	522.0	649.5	760.5	832.5
115°	546.0	538.5	570.0	633.0	738.0	799.5	819.0	916.5	981.0	1000.5	1003.5
117.5°	1027.5	1018.5	1039.5	1074.0	1129.5	1150.5	1146.0	1162.5	1155.0	1137.0	1108.5
120°	1317.0	1309.5	1309.5	1308.0	1311.0	1305.0	1297.5	1281.0	1252.5	1224.0	1186.5
122.5°	1432.5	1429.5	1422.0	1408.5	1399.5	1392.0	1377.0	1353.0	1324.5	1293.0	1254.0
125°	1498.5	1494.0	1486.5	1474.5	1458.0	1452.0	1435.5	1410.0	1381.5	1350.0	1311.0
127.5°	1545.0	1540.5	1533.0	1524.0	1506.0	1500.0	1485.0	1458.0	1431.0	1401.0	1365.0
130°	1585.5	1581.0	1573.5	1566.0	1551.0	1540.5	1527.0	1501.5	1476.0	1446.0	1408.5
132.5°	1621.5	1615.5	1608.0	1602.0	1588.5	1581.0	1566.0	1542.0	1516.5	1488.0	1449.0
135°	1650.0	1647.0	1638.0	1632.0	1618.5	1609.5	1597.5	1575.0	1551.0	1522.5	1488.0
137.5°	1677.0	1669.5	1665.0	1657.5	1644.0	1635.0	1624.5	1603.5	1581.0	1555.5	1524.0
140°	1695.0	1690.5	1684.5	1680.0	1666.5	1656.0	1647.0	1630.5	1608.0	1584.0	1555.5
142.5°	1713.0	1708.5	1704.0	1696.5	1684.5	1677.0	1668.0	1653.0	1635.0	1611.0	1584.0
145°	1726.5	1722.0	1717.5	1713.0	1701.0	1693.5	1686.0	1674.0	1656.0	1633.5	1609.5
147.5°	1738.5	1735.5	1731.0	1726.5	1716.0	1710.0	1704.0	1692.0	1674.0	1651.5	1632.0
150°	1746.0	1743.0	1738.5	1737.0	1725.0	1719.0	1714.5	1704.0	1687.5	1665.0	1650.0
152.5°	1752.0	1749.0	1744.5	1743.0	1731.0	1726.5	1722.0	1711.5	1695.0	1674.0	1660.5
155°	1753.5	1750.5	1746.0	1743.0	1731.0	1726.5	1723.5	1713.0	1699.5	1681.5	1668.0
157.5°	1749.0	1747.5	1744.5	1738.5	1728.0	1723.5	1722.0	1711.5	1701.0	1686.0	1672.5
160°	1744.5	1741.5	1740.0	1735.5	1726.5	1723.5	1722.0	1713.0	1702.5	1689.0	1674.0
162.5°	1732.5	1732.5	1731.0	1728.0	1720.5	1717.5	1716.0	1708.5	1698.0	1687.5	1671.0
165°	1722.0	1720.5	1717.5	1714.5	1708.5	1707.0	1704.0	1699.5	1689.0	1681.5	1665.0
167.5°	1704.0	1702.5	1699.5	1695.0	1690.5	1690.5	1689.0	1686.0	1677.0	1674.0	1657.5
170°	1684.5	1681.5	1681.5	1678.5	1674.0	1674.0	1674.0	1671.0	1663.5	1662.0	1648.5
172.5°	1665.0	1662.0	1660.5	1659.0	1653.0	1654.5	1654.5	1651.5	1647.0	1650.0	1636.5
175°	1638.0	1636.5	1633.5	1633.5	1630.5	1632.0	1635.0	1633.5	1629.0	1633.5	1621.5
177.5°	1605.0	1603.5	1605.0	1609.5	1606.5	1611.0	1611.0	1612.5	1611.0	1615.5	1603.5
180°	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	576.0	577.5	576.0	577.5	577.5	576.0	577.5	579.0	582.0	583.5	582.0
5°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	576.0	579.0	580.5	579.0
7.5°	570.0	571.5	570.0	571.5	571.5	570.0	570.0	573.0	574.5	576.0	574.5
10°	565.5	565.5	564.0	565.5	565.5	565.5	565.5	567.0	568.5	570.0	568.5
12.5°	558.0	558.0	556.5	558.0	558.0	558.0	558.0	559.5	562.5	564.0	562.5
15°	549.0	549.0	549.0	549.0	550.5	549.0	549.0	552.0	553.5	555.0	553.5
17.5°	537.0	538.5	537.0	538.5	538.5	538.5	538.5	541.5	543.0	544.5	543.0
20°	523.5	525.0	525.0	525.0	526.5	526.5	526.5	528.0	531.0	532.5	531.0
22.5°	511.5	513.0	513.0	513.0	513.0	513.0	514.5	516.0	519.0	519.0	519.0
25°	496.5	496.5	498.0	499.5	499.5	499.5	501.0	502.5	504.0	505.5	504.0
27.5°	481.5	481.5	481.5	484.5	484.5	484.5	484.5	486.0	489.0	489.0	489.0
30°	466.5	465.0	466.5	468.0	469.5	469.5	469.5	471.0	474.0	475.5	474.0
32.5°	450.0	448.5	450.0	451.5	451.5	453.0	453.0	454.5	457.5	457.5	457.5
35°	432.0	430.5	432.0	433.5	433.5	435.0	436.5	436.5	439.5	439.5	439.5
37.5°	414.0	412.5	414.0	415.5	415.5	417.0	417.0	418.5	421.5	421.5	421.5
40°	394.5	393.0	393.0	396.0	396.0	396.0	399.0	399.0	402.0	402.0	402.0
42.5°	373.5	372.0	373.5	375.0	375.0	375.0	376.5	378.0	379.5	379.5	379.5
45°	352.5	352.5	354.0	355.5	355.5	355.5	357.0	358.5	360.0	360.0	360.0
47.5°	333.0	333.0	334.5	336.0	336.0	336.0	337.5	337.5	340.5	339.0	339.0
50°	312.0	313.5	315.0	316.5	316.5	316.5	318.0	318.0	319.5	318.0	319.5
52.5°	291.0	292.5	294.0	295.5	295.5	295.5	297.0	297.0	298.5	297.0	298.5
55°	270.0	270.0	273.0	274.5	274.5	274.5	276.0	276.0	277.5	276.0	277.5
57.5°	250.5	250.5	252.0	253.5	253.5	253.5	255.0	256.5	256.5	256.5	256.5
60°	228.0	229.5	231.0	232.5	234.0	234.0	234.0	235.5	235.5	235.5	235.5
62.5°	207.0	208.5	210.0	211.5	213.0	211.5	213.0	214.5	214.5	214.5	214.5
65°	186.0	187.5	189.0	190.5	192.0	190.5	192.0	193.5	193.5	195.0	193.5
67.5°	165.0	165.0	168.0	169.5	169.5	169.5	171.0	172.5	172.5	174.0	174.0
70°	144.0	144.0	147.0	148.5	148.5	148.5	150.0	151.5	153.0	153.0	153.0
72.5°	123.0	124.5	126.0	127.5	129.0	127.5	129.0	130.5	132.0	132.0	132.0
75°	102.0	103.5	105.0	106.5	108.0	106.5	108.0	109.5	109.5	111.0	111.0
77.5°	81.0	82.5	84.0	85.5	87.0	87.0	87.0	88.5	90.0	91.5	90.0
80°	61.5	63.0	64.5	66.0	67.5	66.0	67.5	67.5	69.0	69.0	69.0
82.5°	42.0	45.0	45.0	46.5	46.5	46.5	48.0	48.0	49.5	51.0	49.5
85°	24.0	25.5	27.0	28.5	28.5	28.5	28.5	30.0	30.0	31.5	31.5
87.5°	7.5	7.5	9.0	10.5	10.5	10.5	12.0	12.0	13.5	13.5	13.5
90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
92.5°	6.0	6.0	7.5	9.0	10.5	12.0	15.0	15.0	13.5	12.0	13.5
95°	15.0	18.0	22.5	28.5	34.5	37.5	45.0	43.5	37.5	31.5	30.0
97.5°	30.0	37.5	48.0	64.5	76.5	84.0	93.0	85.5	72.0	61.5	55.5
100°	54.0	70.5	94.5	129.0	147.0	154.5	157.5	141.0	120.0	100.5	88.5
102.5°	97.5	136.5	184.5	232.5	250.5	250.5	241.5	211.5	180.0	151.5	129.0
105°	193.5	259.5	333.0	369.0	376.5	366.0	336.0	295.5	250.5	213.0	181.5
107.5°	391.5	478.5	511.5	510.0	502.5	477.0	436.5	385.5	328.5	282.0	243.0
110°	648.0	673.5	667.5	633.0	613.5	585.0	529.5	478.5	411.0	361.5	312.0



TEST NUMBER: P303222

CATALOG NUMBER: CTW-F-7525-40L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	849.0	823.5	786.0	733.5	709.5	679.5	622.5	567.0	495.0	442.5	388.5
115°	978.0	930.0	880.5	823.5	798.0	766.5	709.5	648.0	576.0	522.0	466.5
117.5°	1071.0	1014.0	961.5	904.5	880.5	849.0	790.5	726.0	654.0	601.5	546.0
120°	1138.5	1089.0	1035.0	979.5	957.0	925.5	864.0	802.5	735.0	678.0	622.5
122.5°	1206.0	1153.5	1102.5	1050.0	1027.5	996.0	931.5	871.5	805.5	750.0	696.0
125°	1264.5	1213.5	1165.5	1116.0	1092.0	1057.5	997.5	937.5	874.5	820.5	769.5
127.5°	1318.5	1272.0	1222.5	1174.5	1150.5	1114.5	1057.5	999.0	942.0	889.5	838.5
130°	1366.5	1326.0	1278.0	1230.0	1203.0	1170.0	1116.0	1059.0	1005.0	955.5	906.0
132.5°	1411.5	1372.5	1327.5	1276.5	1249.5	1221.0	1168.5	1117.5	1066.5	1020.0	972.0
135°	1455.0	1413.0	1368.0	1318.5	1294.5	1269.0	1218.0	1167.0	1123.5	1078.5	1033.5
137.5°	1494.0	1447.5	1404.0	1357.5	1335.0	1311.0	1263.0	1216.5	1176.0	1131.0	1089.0
140°	1525.5	1479.0	1438.5	1392.0	1372.5	1351.5	1305.0	1261.5	1225.5	1186.5	1144.5
142.5°	1551.0	1506.0	1468.5	1426.5	1408.5	1387.5	1344.0	1306.5	1273.5	1236.0	1195.5
145°	1572.0	1531.5	1495.5	1456.5	1440.0	1422.0	1381.5	1348.5	1315.5	1281.0	1243.5
147.5°	1593.0	1554.0	1522.5	1486.5	1471.5	1455.0	1416.0	1387.5	1357.5	1324.5	1290.0
150°	1609.5	1575.0	1543.5	1512.0	1497.0	1482.0	1447.5	1419.0	1395.0	1365.0	1333.5
152.5°	1621.5	1593.0	1564.5	1536.0	1521.0	1507.5	1479.0	1453.5	1432.5	1404.0	1374.0
155°	1630.5	1606.5	1581.0	1557.0	1543.5	1531.5	1504.5	1483.5	1462.5	1438.5	1410.0
157.5°	1638.0	1617.0	1594.5	1570.5	1561.5	1549.5	1525.5	1509.0	1491.0	1470.0	1444.5
160°	1642.5	1626.0	1603.5	1585.5	1576.5	1567.5	1545.0	1530.0	1516.5	1498.5	1474.5
162.5°	1644.0	1629.0	1611.0	1596.0	1588.5	1579.5	1560.0	1549.5	1536.0	1521.0	1498.5
165°	1642.5	1632.0	1615.5	1603.5	1597.5	1588.5	1573.5	1564.5	1555.5	1542.0	1522.5
167.5°	1639.5	1629.0	1618.5	1608.0	1602.0	1596.0	1584.0	1578.0	1570.5	1561.5	1545.0
170°	1633.5	1627.5	1617.0	1611.0	1606.5	1600.5	1590.0	1587.0	1584.0	1575.0	1561.5
172.5°	1624.5	1620.0	1612.5	1608.0	1605.0	1600.5	1593.0	1593.0	1591.5	1585.5	1573.5
175°	1611.0	1609.5	1603.5	1602.0	1600.5	1596.0	1593.0	1594.5	1596.0	1593.0	1584.0
177.5°	1596.0	1597.5	1593.0	1594.5	1593.0	1590.0	1590.0	1594.5	1597.5	1597.5	1591.5
180°	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0



TEST NUMBER: P303222

CATALOG NUMBER: CTW-F-7525-40L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	580.5	577.5	576.0	577.5	576.0	574.5	574.5	576.0	579.0	582.0	579.0
5°	577.5	574.5	574.5	574.5	574.5	573.0	573.0	573.0	576.0	580.5	576.0
7.5°	573.0	570.0	570.0	570.0	570.0	568.5	568.5	568.5	571.5	574.5	571.5
10°	567.0	565.5	564.0	564.0	564.0	562.5	561.0	562.5	565.5	568.5	564.0
12.5°	559.5	558.0	556.5	556.5	556.5	555.0	555.0	555.0	558.0	559.5	556.5
15°	550.5	549.0	547.5	549.0	547.5	546.0	546.0	546.0	549.0	550.5	547.5
17.5°	540.0	538.5	537.0	537.0	537.0	534.0	534.0	534.0	538.5	538.5	535.5
20°	528.0	525.0	525.0	525.0	523.5	522.0	522.0	522.0	525.0	525.0	522.0
22.5°	516.0	514.5	511.5	511.5	511.5	510.0	508.5	508.5	513.0	510.0	508.5
25°	502.5	499.5	498.0	498.0	496.5	495.0	493.5	493.5	498.0	495.0	492.0
27.5°	486.0	484.5	483.0	483.0	481.5	478.5	478.5	478.5	483.0	478.5	477.0
30°	471.0	469.5	468.0	468.0	466.5	463.5	463.5	465.0	468.0	463.5	462.0
32.5°	454.5	453.0	450.0	450.0	448.5	447.0	447.0	448.5	450.0	445.5	444.0
35°	436.5	435.0	433.5	433.5	432.0	430.5	430.5	432.0	432.0	427.5	426.0
37.5°	418.5	417.0	415.5	414.0	412.5	412.5	412.5	414.0	412.5	409.5	406.5
40°	400.5	399.0	396.0	396.0	394.5	393.0	393.0	396.0	393.0	390.0	385.5
42.5°	378.0	376.5	373.5	373.5	372.0	372.0	373.5	375.0	372.0	369.0	366.0
45°	358.5	357.0	355.5	355.5	354.0	354.0	354.0	354.0	352.5	351.0	348.0
47.5°	339.0	337.5	336.0	336.0	336.0	334.5	334.5	334.5	333.0	330.0	328.5
50°	319.5	318.0	316.5	316.5	315.0	313.5	315.0	313.5	313.5	310.5	307.5
52.5°	298.5	297.0	297.0	295.5	297.0	295.5	294.0	294.0	292.5	289.5	288.0
55°	277.5	277.5	276.0	276.0	276.0	274.5	274.5	273.0	273.0	270.0	267.0
57.5°	258.0	256.5	256.5	256.5	256.5	253.5	253.5	252.0	252.0	249.0	247.5
60°	237.0	235.5	235.5	235.5	235.5	234.0	232.5	232.5	229.5	228.0	226.5
62.5°	216.0	214.5	214.5	214.5	214.5	213.0	211.5	211.5	208.5	207.0	205.5
65°	195.0	193.5	193.5	193.5	193.5	192.0	190.5	190.5	187.5	186.0	186.0
67.5°	174.0	172.5	172.5	172.5	172.5	171.0	169.5	169.5	166.5	166.5	165.0
70°	153.0	153.0	153.0	151.5	151.5	150.0	148.5	148.5	145.5	145.5	144.0
72.5°	132.0	132.0	130.5	129.0	130.5	130.5	127.5	127.5	126.0	126.0	124.5
75°	111.0	111.0	109.5	109.5	109.5	108.0	106.5	106.5	105.0	105.0	103.5
77.5°	90.0	90.0	88.5	88.5	90.0	88.5	87.0	87.0	85.5	85.5	84.0
80°	69.0	70.5	69.0	70.5	69.0	69.0	67.5	66.0	66.0	66.0	64.5
82.5°	49.5	51.0	49.5	51.0	49.5	49.5	48.0	46.5	45.0	45.0	43.5
85°	31.5	31.5	30.0	31.5	30.0	30.0	28.5	27.0	25.5	25.5	25.5
87.5°	13.5	13.5	12.0	13.5	12.0	12.0	10.5	10.5	9.0	9.0	9.0
90°	3.0	4.5	6.0	6.0	6.0	6.0	7.5	7.5	7.5	7.5	9.0
92.5°	19.5	25.5	28.5	28.5	27.0	28.5	30.0	28.5	28.5	27.0	27.0
95°	34.5	39.0	46.5	51.0	55.5	61.5	64.5	63.0	63.0	60.0	60.0
97.5°	52.5	58.5	64.5	63.0	64.5	73.5	81.0	88.5	93.0	96.0	97.5
100°	82.5	79.5	84.0	88.5	90.0	88.5	91.5	99.0	106.5	109.5	115.5
102.5°	118.5	109.5	106.5	108.0	111.0	121.5	117.0	118.5	120.0	123.0	130.5
105°	162.0	147.0	139.5	138.0	136.5	141.0	151.5	154.5	148.5	147.0	150.0
107.5°	214.5	192.0	180.0	174.0	171.0	171.0	174.0	183.0	190.5	187.5	184.5
110°	277.5	244.5	226.5	216.0	208.5	204.0	205.5	208.5	216.0	223.5	229.5



TEST NUMBER: P303222

CATALOG NUMBER: CTW-F-7525-40L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	346.5	306.0	277.5	265.5	255.0	241.5	238.5	238.5	241.5	249.0	256.5
115°	423.0	373.5	337.5	321.0	309.0	286.5	276.0	270.0	271.5	273.0	279.0
117.5°	499.5	448.5	406.5	385.5	369.0	340.5	319.5	309.0	304.5	303.0	306.0
120°	573.0	525.0	480.0	457.5	436.5	402.0	373.5	351.0	342.0	334.5	333.0
122.5°	645.0	598.5	552.0	528.0	507.0	469.5	441.0	411.0	390.0	373.5	364.5
125°	721.5	670.5	624.0	603.0	580.5	540.0	504.0	477.0	450.0	427.5	411.0
127.5°	789.0	742.5	696.0	675.0	655.5	612.0	574.5	544.5	516.0	487.5	463.5
130°	858.0	813.0	768.0	745.5	724.5	685.5	646.5	613.5	585.0	556.5	529.5
132.5°	924.0	880.5	837.0	814.5	796.5	757.5	717.0	685.5	654.0	627.0	600.0
135°	987.0	942.0	903.0	880.5	859.5	825.0	787.5	759.0	726.0	697.5	672.0
137.5°	1047.0	1002.0	966.0	945.0	928.5	894.0	859.5	829.5	798.0	769.5	742.5
140°	1102.5	1060.5	1021.5	1005.0	985.5	955.5	924.0	898.5	868.5	838.5	814.5
142.5°	1156.5	1116.0	1083.0	1062.0	1047.0	1015.5	985.5	964.5	939.0	907.5	885.0
145°	1204.5	1167.0	1137.0	1119.0	1099.5	1071.0	1044.0	1024.5	1003.5	975.0	952.5
147.5°	1254.0	1218.0	1186.5	1173.0	1155.0	1128.0	1104.0	1084.5	1069.5	1041.0	1020.0
150°	1300.5	1266.0	1234.5	1221.0	1206.0	1180.5	1158.0	1141.5	1128.0	1102.5	1083.0
152.5°	1344.0	1309.5	1282.5	1269.0	1254.0	1231.5	1209.0	1192.5	1185.0	1159.5	1140.0
155°	1381.5	1350.0	1326.0	1315.5	1300.5	1276.5	1257.0	1242.0	1234.5	1213.5	1197.0
157.5°	1417.5	1386.0	1365.0	1356.0	1342.5	1320.0	1303.5	1287.0	1282.5	1266.0	1248.0
160°	1449.0	1422.0	1404.0	1395.0	1383.0	1360.5	1345.5	1332.0	1327.5	1315.5	1299.0
162.5°	1477.5	1453.5	1438.5	1428.0	1417.5	1401.0	1384.5	1372.5	1369.5	1362.0	1344.0
165°	1504.5	1482.0	1467.0	1459.5	1452.0	1435.5	1420.5	1411.5	1408.5	1404.0	1386.0
167.5°	1528.5	1507.5	1494.0	1489.5	1480.5	1467.0	1455.0	1446.0	1444.5	1443.0	1426.5
170°	1546.5	1528.5	1519.5	1512.0	1507.5	1495.5	1485.0	1477.5	1477.5	1479.0	1462.5
172.5°	1563.0	1548.0	1539.0	1534.5	1530.0	1519.5	1512.0	1504.5	1507.5	1510.5	1497.0
175°	1575.0	1563.0	1555.5	1552.5	1549.5	1540.5	1534.5	1531.5	1534.5	1540.5	1527.0
177.5°	1584.0	1575.0	1570.5	1569.0	1566.0	1560.0	1557.0	1554.0	1560.0	1567.5	1555.5
180°	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0



TEST NUMBER: P303222

CATALOG NUMBER: CTW-F-7525-40L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	580.5	580.5	579.0	579.0	577.5	576.0	574.5	574.5
5°	577.5	576.0	576.0	576.0	574.5	574.5	573.0	573.0
7.5°	571.5	571.5	571.5	570.0	571.5	570.0	570.0	570.0
10°	565.5	564.0	564.0	564.0	564.0	562.5	562.5	564.0
12.5°	558.0	556.5	555.0	555.0	555.0	555.0	555.0	556.5
15°	547.5	547.5	547.5	546.0	546.0	546.0	546.0	547.5
17.5°	535.5	534.0	534.0	534.0	534.0	534.0	534.0	534.0
20°	522.0	520.5	520.5	519.0	519.0	519.0	519.0	520.5
22.5°	508.5	505.5	505.5	504.0	505.5	505.5	504.0	505.5
25°	492.0	490.5	490.5	489.0	489.0	487.5	487.5	489.0
27.5°	477.0	475.5	474.0	474.0	472.5	471.0	471.0	472.5
30°	460.5	459.0	457.5	456.0	456.0	454.5	454.5	456.0
32.5°	442.5	441.0	439.5	439.5	438.0	436.5	436.5	438.0
35°	424.5	423.0	421.5	421.5	420.0	418.5	418.5	420.0
37.5°	406.5	403.5	403.5	403.5	402.0	400.5	399.0	400.5
40°	384.0	382.5	381.0	379.5	379.5	378.0	378.0	378.0
42.5°	364.5	363.0	363.0	361.5	360.0	358.5	358.5	360.0
45°	345.0	345.0	343.5	342.0	340.5	340.5	340.5	340.5
47.5°	325.5	324.0	324.0	324.0	321.0	321.0	319.5	321.0
50°	306.0	304.5	304.5	304.5	301.5	301.5	301.5	301.5
52.5°	286.5	285.0	285.0	283.5	283.5	282.0	280.5	282.0
55°	265.5	265.5	264.0	264.0	262.5	261.0	261.0	262.5
57.5°	246.0	244.5	244.5	244.5	243.0	241.5	241.5	243.0
60°	225.0	225.0	225.0	223.5	222.0	222.0	222.0	222.0
62.5°	205.5	204.0	204.0	204.0	204.0	202.5	201.0	201.0
65°	184.5	183.0	183.0	183.0	181.5	183.0	181.5	181.5
67.5°	163.5	163.5	163.5	162.0	162.0	162.0	160.5	160.5
70°	144.0	142.5	144.0	142.5	142.5	142.5	141.0	141.0
72.5°	124.5	123.0	123.0	121.5	123.0	121.5	121.5	120.0
75°	103.5	103.5	102.0	102.0	102.0	102.0	100.5	100.5
77.5°	84.0	84.0	82.5	82.5	82.5	81.0	81.0	79.5
80°	63.0	63.0	63.0	61.5	61.5	61.5	61.5	60.0
82.5°	43.5	43.5	43.5	42.0	42.0	40.5	40.5	39.0
85°	24.0	24.0	24.0	22.5	22.5	22.5	22.5	21.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
90°	9.0	10.5	9.0	10.5	12.0	12.0	12.0	13.5
92.5°	27.0	27.0	27.0	28.5	28.5	27.0	27.0	27.0
95°	60.0	60.0	60.0	60.0	60.0	58.5	58.5	58.5
97.5°	99.0	99.0	99.0	100.5	99.0	96.0	96.0	96.0
100°	118.5	121.5	123.0	124.5	126.0	127.5	127.5	127.5
102.5°	136.5	138.0	139.5	141.0	142.5	142.5	142.5	142.5
105°	153.0	154.5	154.5	156.0	160.5	163.5	165.0	165.0
107.5°	183.0	183.0	183.0	184.5	184.5	184.5	184.5	184.5
110°	232.5	225.0	223.5	217.5	219.0	217.5	217.5	217.5



TEST NUMBER: P303222

CATALOG NUMBER: CTW-F-7525-40L835-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	264.0	268.5	270.0	271.5	271.5	270.0	267.0	265.5
115°	288.0	292.5	295.5	295.5	300.0	303.0	303.0	303.0
117.5°	310.5	315.0	316.5	319.5	322.5	325.5	327.0	327.0
120°	334.5	339.0	339.0	342.0	343.5	346.5	348.0	348.0
122.5°	361.5	364.5	364.5	364.5	367.5	367.5	369.0	369.0
125°	402.0	399.0	397.5	396.0	396.0	394.5	396.0	394.5
127.5°	448.5	441.0	436.5	432.0	429.0	424.5	424.5	423.0
130°	505.5	496.5	486.0	481.5	474.0	469.5	466.5	463.5
132.5°	574.5	562.5	552.0	544.5	534.0	525.0	520.5	517.5
135°	649.5	630.0	618.0	613.5	601.5	591.0	588.0	585.0
137.5°	720.0	702.0	691.5	687.0	675.0	664.5	660.0	657.0
140°	789.0	771.0	759.0	757.5	745.5	736.5	733.5	730.5
142.5°	859.5	844.5	831.0	826.5	816.0	810.0	804.0	802.5
145°	928.5	912.0	900.0	897.0	886.5	879.0	874.5	871.5
147.5°	997.5	982.5	970.5	967.5	957.0	951.0	945.0	942.0
150°	1063.5	1045.5	1038.0	1035.0	1024.5	1020.0	1014.0	1011.0
152.5°	1125.0	1108.5	1102.5	1098.0	1090.5	1081.5	1080.0	1077.0
155°	1180.5	1165.5	1161.0	1156.5	1149.0	1144.5	1143.0	1141.5
157.5°	1236.0	1222.5	1216.5	1212.0	1206.0	1201.5	1200.0	1201.5
160°	1290.0	1276.5	1272.0	1269.0	1260.0	1257.0	1257.0	1257.0
162.5°	1338.0	1327.5	1323.0	1320.0	1315.5	1311.0	1308.0	1309.5
165°	1381.5	1372.5	1369.5	1365.0	1360.5	1359.0	1357.5	1357.5
167.5°	1422.0	1413.0	1410.0	1405.5	1404.0	1401.0	1399.5	1402.5
170°	1461.0	1452.0	1450.5	1446.0	1443.0	1441.5	1438.5	1443.0
172.5°	1495.5	1489.5	1486.5	1483.5	1483.5	1482.0	1480.5	1483.5
175°	1527.0	1522.5	1519.5	1515.0	1516.5	1515.0	1515.0	1518.0
177.5°	1557.0	1554.0	1551.0	1549.5	1548.0	1545.0	1542.0	1543.5
180°	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0	1581.0

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