

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: P303224

Luminaire Tested: **CTW-F-7525-40L930-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303224
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-7525-40L930-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

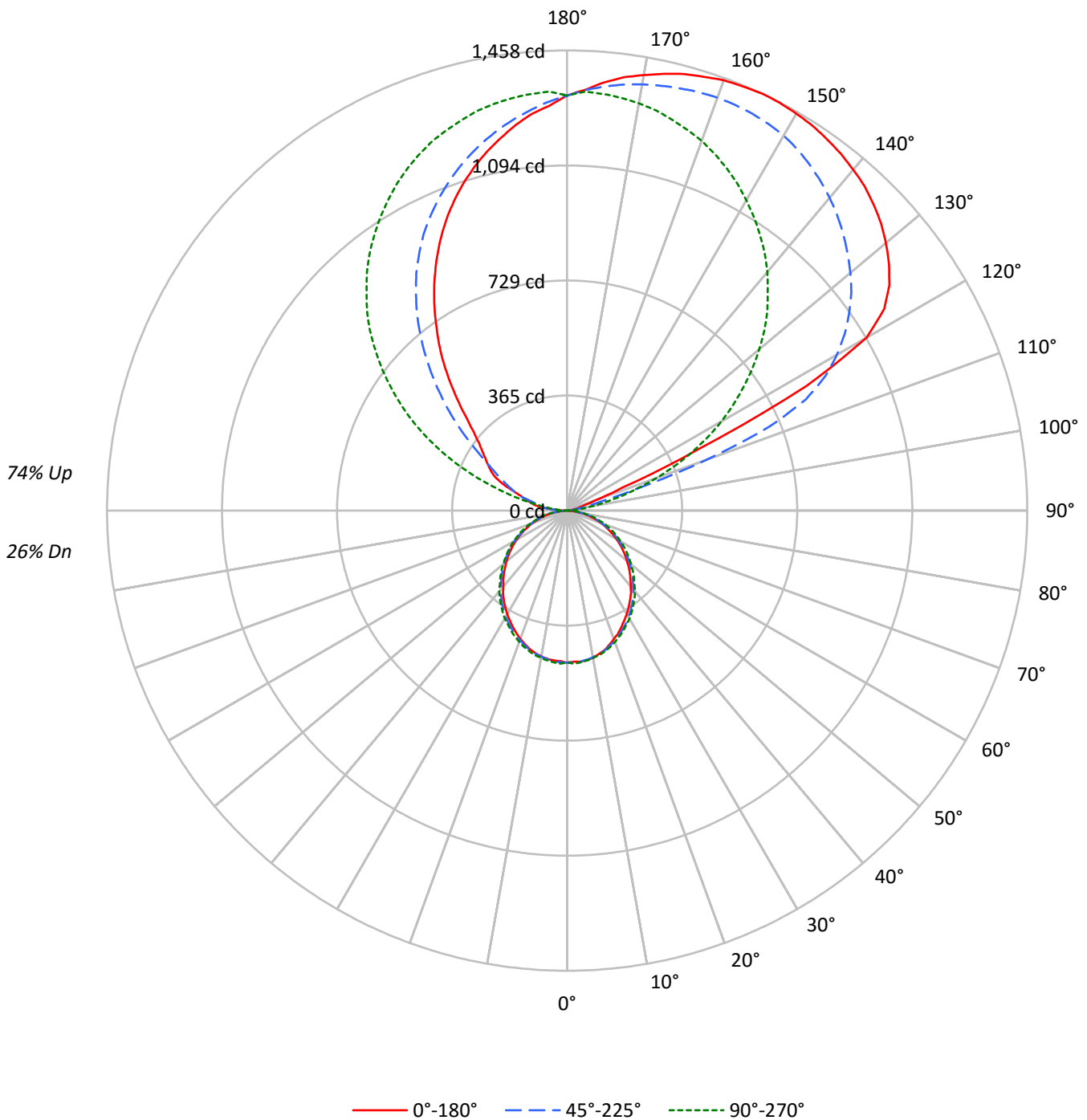
Lumens per Lamp: N/A
Luminaire Lumens: 4994.5 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

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°	6912	6912	6912
5°	6920	6956	6866
10°	6890	6909	6836
15°	6804	6859	6766
20°	6612	6764	6612
25°	6440	6657	6440
30°	6264	6554	6286
35°	6076	6404	6120
40°	5866	6265	5890
45°	5697	6077	5748
50°	5515	5906	5600
55°	5370	5745	5462
60°	5193	5623	5299
65°	4958	5508	5128
70°	4712	5342	4922
75°	4358	5118	4636
80°	3818	4744	4124
85°	2470	4314	2882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	0.9
10°-20°	128.6	2.6
20°-30°	189.9	3.8
30°-40°	222.8	4.5
40°-50°	224.3	4.5
50°-60°	200.0	4.0
60°-70°	153.3	3.1
70°-80°	91.2	1.8
80°-90°	25.2	0.5
90°-100°	36.8	0.7
100°-110°	157.0	3.1
110°-120°	448.0	9.0
120°-130°	655.1	13.1
130°-140°	706.8	14.2
140°-150°	672.7	13.5
150°-160°	552.0	11.1
160°-170°	360.4	7.2
170°-180°	124.9	2.5
0°-30°	364.0	7.3
0°-40°	586.8	11.7
0°-60°	1011.1	20.2
0°-90°	1280.8	25.6
90°-120°	641.8	12.9
90°-150°	2676.4	53.6
90°-180°	3714.0	74.4
0°-180°	4994.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	482	482	482	482	482	
5°	480	480	483	479	477	46
15°	458	459	462	457	455	129
25°	407	415	420	414	407	187
35°	347	359	366	359	349	217
45°	281	292	299	293	283	217
55°	215	223	230	227	218	192
65°	146	154	162	156	151	145
75°	79	84	92	87	84	83
85°	15	19	26	21	18	19
90°	1	1	1	6	11	1
95°	9	11	26	52	49	10
105°	41	112	177	124	137	51
115°	454	835	434	226	252	512
125°	1246	1090	682	374	328	1104
135°	1372	1238	897	604	487	1060
145°	1436	1339	1065	835	725	901
155°	1458	1387	1196	1027	949	674
165°	1432	1385	1282	1172	1129	406
175°	1362	1349	1325	1276	1263	131
180°	1315	1315	1315	1315	1315	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
2.5°	479.1	477.8	480.3	481.6	481.6	482.8	482.8	482.8	482.8	484.1	481.6
5°	480.3	480.3	480.3	480.3	479.1	480.3	480.3	481.6	481.6	482.8	480.3
7.5°	479.1	477.8	477.8	477.8	476.6	476.6	477.8	477.8	476.6	479.1	476.6
10°	472.8	472.8	471.6	471.6	471.6	471.6	471.6	472.8	472.8	474.1	471.6
12.5°	465.4	465.4	465.4	465.4	464.1	464.1	465.4	466.6	466.6	467.8	466.6
15°	457.9	456.6	457.9	459.1	457.9	457.9	457.9	459.1	459.1	460.4	459.1
17.5°	445.4	445.4	446.6	447.9	447.9	446.6	447.9	449.1	449.1	450.4	449.1
20°	432.9	432.9	434.2	435.4	435.4	435.4	436.7	436.7	437.9	437.9	439.2
22.5°	421.7	420.4	421.7	422.9	422.9	421.7	424.2	424.2	425.4	426.7	427.9
25°	406.7	405.5	408.0	409.2	409.2	409.2	410.5	411.7	413.0	414.2	415.4
27.5°	391.7	391.7	393.0	394.2	395.5	395.5	396.7	399.2	399.2	400.5	403.0
30°	378.0	378.0	379.3	380.5	381.8	381.8	381.8	384.3	386.8	386.8	389.3
32.5°	363.1	361.8	363.1	365.5	365.5	365.5	366.8	369.3	370.5	371.8	374.3
35°	346.8	346.8	348.1	349.3	350.6	350.6	351.8	354.3	355.6	356.8	359.3
37.5°	331.9	330.6	331.9	333.1	334.4	334.4	335.6	338.1	339.3	340.6	343.1
40°	313.1	311.9	313.1	314.4	315.6	315.6	316.9	320.6	321.9	323.1	325.6
42.5°	296.9	295.7	296.9	298.2	299.4	300.7	300.7	301.9	304.4	305.7	308.2
45°	280.7	279.5	279.5	282.0	283.2	283.2	284.5	285.7	288.2	289.4	291.9
47.5°	264.5	263.2	264.5	265.7	265.7	267.0	268.2	268.2	270.7	273.2	274.5
50°	247.0	247.0	247.0	248.3	249.5	250.8	250.8	252.0	253.3	255.8	258.3
52.5°	230.8	229.6	230.8	232.1	233.3	233.3	234.5	234.5	235.8	239.5	240.8
55°	214.6	213.3	213.3	214.6	214.6	215.8	217.1	217.1	218.3	220.8	223.3
57.5°	197.1	197.1	197.1	198.4	198.4	198.4	200.9	200.9	202.1	204.6	205.9
60°	180.9	180.9	179.7	180.9	180.9	182.1	183.4	183.4	184.6	185.9	188.4
62.5°	163.4	163.4	162.2	163.4	164.7	164.7	165.9	165.9	167.2	169.7	170.9
65°	146.0	147.2	146.0	146.0	147.2	147.2	148.5	148.5	149.7	151.0	153.5
67.5°	129.8	129.8	128.5	129.8	129.8	131.0	131.0	132.2	132.2	133.5	134.7
70°	112.3	112.3	112.3	112.3	113.5	113.5	114.8	114.8	114.8	116.0	117.3
72.5°	96.1	96.1	94.8	94.8	96.1	97.3	97.3	98.6	98.6	101.1	101.1
75°	78.6	78.6	78.6	78.6	79.8	79.8	79.8	81.1	82.3	82.3	83.6
77.5°	62.4	61.1	62.4	62.4	62.4	62.4	63.6	64.9	64.9	66.1	67.4
80°	46.2	44.9	46.2	46.2	46.2	46.2	47.4	47.4	48.7	49.9	49.9
82.5°	29.9	28.7	29.9	29.9	29.9	29.9	31.2	31.2	32.4	33.7	33.7
85°	15.0	13.7	15.0	15.0	15.0	15.0	15.0	16.2	17.5	17.5	18.7
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	5.0
90°	1.2	2.5	2.5	2.5	1.2	2.5	1.2	2.5	1.2	1.2	1.2
92.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
95°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.0	10.0	10.0	11.2
97.5°	15.0	13.7	13.7	15.0	15.0	15.0	15.0	16.2	17.5	18.7	21.2
100°	21.2	21.2	21.2	22.5	22.5	23.7	23.7	25.0	27.4	29.9	34.9
102.5°	31.2	31.2	31.2	32.4	32.4	33.7	34.9	37.4	41.2	47.4	58.6
105°	41.2	42.4	43.7	44.9	47.4	49.9	51.2	56.1	64.9	81.1	112.3
107.5°	61.1	61.1	63.6	66.1	71.1	76.1	79.8	94.8	116.0	160.9	235.8
110°	96.1	94.8	98.6	109.8	123.5	137.2	144.7	195.9	254.5	353.1	466.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	188.4	185.9	198.4	224.6	274.5	316.9	335.6	434.2	540.2	632.5	692.4
115°	454.1	447.9	474.1	526.5	613.8	665.0	681.2	762.3	815.9	832.1	834.6
117.5°	854.6	847.1	864.6	893.3	939.4	956.9	953.2	966.9	960.6	945.7	922.0
120°	1095.4	1089.2	1089.2	1087.9	1090.4	1085.4	1079.2	1065.4	1041.7	1018.0	986.8
122.5°	1191.5	1189.0	1182.7	1171.5	1164.0	1157.8	1145.3	1125.3	1101.6	1075.4	1043.0
125°	1246.3	1242.6	1236.4	1226.4	1212.7	1207.7	1194.0	1172.7	1149.0	1122.8	1090.4
127.5°	1285.0	1281.3	1275.0	1267.6	1252.6	1247.6	1235.1	1212.7	1190.2	1165.3	1135.3
130°	1318.7	1315.0	1308.7	1302.5	1290.0	1281.3	1270.1	1248.8	1227.6	1202.7	1171.5
132.5°	1348.7	1343.7	1337.4	1332.4	1321.2	1315.0	1302.5	1282.5	1261.3	1237.6	1205.2
135°	1372.4	1369.9	1362.4	1357.4	1346.2	1338.7	1328.7	1310.0	1290.0	1266.3	1237.6
137.5°	1394.8	1388.6	1384.8	1378.6	1367.4	1359.9	1351.1	1333.7	1315.0	1293.8	1267.6
140°	1409.8	1406.0	1401.1	1397.3	1386.1	1377.3	1369.9	1356.1	1337.4	1317.5	1293.8
142.5°	1424.8	1421.0	1417.3	1411.0	1401.1	1394.8	1387.3	1374.9	1359.9	1339.9	1317.5
145°	1436.0	1432.2	1428.5	1424.8	1414.8	1408.5	1402.3	1392.3	1377.3	1358.6	1338.7
147.5°	1446.0	1443.5	1439.7	1436.0	1427.3	1422.3	1417.3	1407.3	1392.3	1373.6	1357.4
150°	1452.2	1449.7	1446.0	1444.7	1434.7	1429.7	1426.0	1417.3	1403.5	1384.8	1372.4
152.5°	1457.2	1454.7	1451.0	1449.7	1439.7	1436.0	1432.2	1423.5	1409.8	1392.3	1381.1
155°	1458.4	1455.9	1452.2	1449.7	1439.7	1436.0	1433.5	1424.8	1413.5	1398.6	1387.3
157.5°	1454.7	1453.5	1451.0	1446.0	1437.2	1433.5	1432.2	1423.5	1414.8	1402.3	1391.1
160°	1451.0	1448.5	1447.2	1443.5	1436.0	1433.5	1432.2	1424.8	1416.0	1404.8	1392.3
162.5°	1441.0	1441.0	1439.7	1437.2	1431.0	1428.5	1427.3	1421.0	1412.3	1403.5	1389.8
165°	1432.2	1431.0	1428.5	1426.0	1421.0	1419.8	1417.3	1413.5	1404.8	1398.6	1384.8
167.5°	1417.3	1416.0	1413.5	1409.8	1406.0	1406.0	1404.8	1402.3	1394.8	1392.3	1378.6
170°	1401.1	1398.6	1398.6	1396.1	1392.3	1392.3	1392.3	1389.8	1383.6	1382.3	1371.1
172.5°	1384.8	1382.3	1381.1	1379.8	1374.9	1376.1	1376.1	1373.6	1369.9	1372.4	1361.1
175°	1362.4	1361.1	1358.6	1358.6	1356.1	1357.4	1359.9	1358.6	1354.9	1358.6	1348.7
177.5°	1334.9	1333.7	1334.9	1338.7	1336.2	1339.9	1339.9	1341.2	1339.9	1343.7	1333.7
180°	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
2.5°	479.1	480.3	479.1	480.3	480.3	479.1	480.3	481.6	484.1	485.3	484.1
5°	477.8	477.8	477.8	477.8	477.8	477.8	477.8	479.1	481.6	482.8	481.6
7.5°	474.1	475.3	474.1	475.3	475.3	474.1	474.1	476.6	477.8	479.1	477.8
10°	470.3	470.3	469.1	470.3	470.3	470.3	470.3	471.6	472.8	474.1	472.8
12.5°	464.1	464.1	462.9	464.1	464.1	464.1	464.1	465.4	467.8	469.1	467.8
15°	456.6	456.6	456.6	456.6	457.9	456.6	456.6	459.1	460.4	461.6	460.4
17.5°	446.6	447.9	446.6	447.9	447.9	447.9	447.9	450.4	451.6	452.9	451.6
20°	435.4	436.7	436.7	436.7	437.9	437.9	437.9	439.2	441.6	442.9	441.6
22.5°	425.4	426.7	426.7	426.7	426.7	426.7	427.9	429.2	431.7	431.7	431.7
25°	413.0	413.0	414.2	415.4	415.4	415.4	416.7	417.9	419.2	420.4	419.2
27.5°	400.5	400.5	400.5	403.0	403.0	403.0	403.0	404.2	406.7	406.7	406.7
30°	388.0	386.8	388.0	389.3	390.5	390.5	390.5	391.7	394.2	395.5	394.2
32.5°	374.3	373.0	374.3	375.5	375.5	376.8	376.8	378.0	380.5	380.5	380.5
35°	359.3	358.1	359.3	360.6	360.6	361.8	363.1	363.1	365.5	365.5	365.5
37.5°	344.3	343.1	344.3	345.6	345.6	346.8	346.8	348.1	350.6	350.6	350.6
40°	328.1	326.9	326.9	329.4	329.4	329.4	331.9	331.9	334.4	334.4	334.4
42.5°	310.7	309.4	310.7	311.9	311.9	311.9	313.1	314.4	315.6	315.6	315.6
45°	293.2	293.2	294.4	295.7	295.7	295.7	296.9	298.2	299.4	299.4	299.4
47.5°	277.0	277.0	278.2	279.5	279.5	279.5	280.7	280.7	283.2	282.0	282.0
50°	259.5	260.7	262.0	263.2	263.2	263.2	264.5	264.5	265.7	264.5	265.7
52.5°	242.0	243.3	244.5	245.8	245.8	245.8	247.0	247.0	248.3	247.0	248.3
55°	224.6	224.6	227.1	228.3	228.3	228.3	229.6	229.6	230.8	229.6	230.8
57.5°	208.3	208.3	209.6	210.8	210.8	210.8	212.1	213.3	213.3	213.3	213.3
60°	189.6	190.9	192.1	193.4	194.6	194.6	194.6	195.9	195.9	195.9	195.9
62.5°	172.2	173.4	174.7	175.9	177.2	175.9	177.2	178.4	178.4	178.4	178.4
65°	154.7	155.9	157.2	158.4	159.7	158.4	159.7	160.9	160.9	162.2	160.9
67.5°	137.2	137.2	139.7	141.0	141.0	141.0	142.2	143.5	143.5	144.7	144.7
70°	119.8	119.8	122.3	123.5	123.5	123.5	124.8	126.0	127.3	127.3	127.3
72.5°	102.3	103.6	104.8	106.0	107.3	106.0	107.3	108.5	109.8	109.8	109.8
75°	84.8	86.1	87.3	88.6	89.8	88.6	89.8	91.1	91.1	92.3	92.3
77.5°	67.4	68.6	69.9	71.1	72.4	72.4	72.4	73.6	74.9	76.1	74.9
80°	51.2	52.4	53.6	54.9	56.1	54.9	56.1	56.1	57.4	57.4	57.4
82.5°	34.9	37.4	37.4	38.7	38.7	38.7	39.9	39.9	41.2	42.4	41.2
85°	20.0	21.2	22.5	23.7	23.7	23.7	23.7	25.0	25.0	26.2	26.2
87.5°	6.2	6.2	7.5	8.7	8.7	8.7	10.0	10.0	11.2	11.2	11.2
90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
92.5°	5.0	5.0	6.2	7.5	8.7	10.0	12.5	12.5	11.2	10.0	11.2
95°	12.5	15.0	18.7	23.7	28.7	31.2	37.4	36.2	31.2	26.2	25.0
97.5°	25.0	31.2	39.9	53.6	63.6	69.9	77.4	71.1	59.9	51.2	46.2
100°	44.9	58.6	78.6	107.3	122.3	128.5	131.0	117.3	99.8	83.6	73.6
102.5°	81.1	113.5	153.5	193.4	208.3	208.3	200.9	175.9	149.7	126.0	107.3
105°	160.9	215.8	277.0	306.9	313.1	304.4	279.5	245.8	208.3	177.2	151.0
107.5°	325.6	398.0	425.4	424.2	417.9	396.7	363.1	320.6	273.2	234.5	202.1
110°	539.0	560.2	555.2	526.5	510.3	486.6	440.4	398.0	341.8	300.7	259.5



TEST NUMBER: P303224

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	706.1	684.9	653.7	610.1	590.1	565.2	517.8	471.6	411.7	368.0	323.1
115°	813.4	773.5	732.3	684.9	663.7	637.5	590.1	539.0	479.1	434.2	388.0
117.5°	890.8	843.4	799.7	752.3	732.3	706.1	657.5	603.8	544.0	500.3	454.1
120°	946.9	905.8	860.8	814.7	796.0	769.8	718.6	667.5	611.3	563.9	517.8
122.5°	1003.1	959.4	917.0	873.3	854.6	828.4	774.8	724.9	670.0	623.8	578.9
125°	1051.7	1009.3	969.4	928.2	908.3	879.6	829.7	779.7	727.3	682.4	640.0
127.5°	1096.6	1058.0	1016.8	976.9	956.9	927.0	879.6	830.9	783.5	739.8	697.4
130°	1136.6	1102.9	1063.0	1023.0	1000.6	973.1	928.2	880.8	835.9	794.7	753.5
132.5°	1174.0	1141.6	1104.1	1061.7	1039.2	1015.5	971.9	929.5	887.0	848.4	808.4
135°	1210.2	1175.2	1137.8	1096.6	1076.7	1055.5	1013.0	970.6	934.4	897.0	859.6
137.5°	1242.6	1203.9	1167.8	1129.1	1110.4	1090.4	1050.5	1011.8	978.1	940.7	905.8
140°	1268.8	1230.1	1196.4	1157.8	1141.6	1124.1	1085.4	1049.2	1019.3	986.8	951.9
142.5°	1290.0	1252.6	1221.4	1186.5	1171.5	1154.0	1117.8	1086.7	1059.2	1028.0	994.3
145°	1307.5	1273.8	1243.9	1211.4	1197.7	1182.7	1149.0	1121.6	1094.1	1065.4	1034.3
147.5°	1324.9	1292.5	1266.3	1236.4	1223.9	1210.2	1177.7	1154.0	1129.1	1101.6	1072.9
150°	1338.7	1310.0	1283.8	1257.6	1245.1	1232.6	1203.9	1180.2	1160.3	1135.3	1109.1
152.5°	1348.7	1324.9	1301.2	1277.5	1265.1	1253.8	1230.1	1208.9	1191.5	1167.8	1142.8
155°	1356.1	1336.2	1315.0	1295.0	1283.8	1273.8	1251.3	1233.9	1216.4	1196.4	1172.7
157.5°	1362.4	1344.9	1326.2	1306.2	1298.7	1288.8	1268.8	1255.1	1240.1	1222.6	1201.4
160°	1366.1	1352.4	1333.7	1318.7	1311.2	1303.7	1285.0	1272.5	1261.3	1246.3	1226.4
162.5°	1367.4	1354.9	1339.9	1327.4	1321.2	1313.7	1297.5	1288.8	1277.5	1265.1	1246.3
165°	1366.1	1357.4	1343.7	1333.7	1328.7	1321.2	1308.7	1301.2	1293.8	1282.5	1266.3
167.5°	1363.6	1354.9	1346.2	1337.4	1332.4	1327.4	1317.5	1312.5	1306.2	1298.7	1285.0
170°	1358.6	1353.6	1344.9	1339.9	1336.2	1331.2	1322.5	1320.0	1317.5	1310.0	1298.7
172.5°	1351.1	1347.4	1341.2	1337.4	1334.9	1331.2	1324.9	1324.9	1323.7	1318.7	1308.7
175°	1339.9	1338.7	1333.7	1332.4	1331.2	1327.4	1324.9	1326.2	1327.4	1324.9	1317.5
177.5°	1327.4	1328.7	1324.9	1326.2	1324.9	1322.5	1322.5	1326.2	1328.7	1328.7	1323.7
180°	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0



TEST NUMBER: P303224

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
2.5°	482.8	480.3	479.1	480.3	479.1	477.8	477.8	479.1	481.6	484.1	481.6
5°	480.3	477.8	477.8	477.8	477.8	476.6	476.6	476.6	479.1	482.8	479.1
7.5°	476.6	474.1	474.1	474.1	474.1	472.8	472.8	472.8	475.3	477.8	475.3
10°	471.6	470.3	469.1	469.1	469.1	467.8	466.6	467.8	470.3	472.8	469.1
12.5°	465.4	464.1	462.9	462.9	462.9	461.6	461.6	461.6	464.1	465.4	462.9
15°	457.9	456.6	455.4	456.6	455.4	454.1	454.1	454.1	456.6	457.9	455.4
17.5°	449.1	447.9	446.6	446.6	446.6	444.1	444.1	444.1	447.9	447.9	445.4
20°	439.2	436.7	436.7	436.7	435.4	434.2	434.2	434.2	436.7	436.7	434.2
22.5°	429.2	427.9	425.4	425.4	425.4	424.2	422.9	422.9	426.7	424.2	422.9
25°	417.9	415.4	414.2	414.2	413.0	411.7	410.5	410.5	414.2	411.7	409.2
27.5°	404.2	403.0	401.7	401.7	400.5	398.0	398.0	398.0	401.7	398.0	396.7
30°	391.7	390.5	389.3	389.3	388.0	385.5	385.5	386.8	389.3	385.5	384.3
32.5°	378.0	376.8	374.3	374.3	373.0	371.8	371.8	373.0	374.3	370.5	369.3
35°	363.1	361.8	360.6	360.6	359.3	358.1	358.1	359.3	359.3	355.6	354.3
37.5°	348.1	346.8	345.6	344.3	343.1	343.1	343.1	344.3	343.1	340.6	338.1
40°	333.1	331.9	329.4	329.4	328.1	326.9	326.9	329.4	326.9	324.4	320.6
42.5°	314.4	313.1	310.7	310.7	309.4	309.4	310.7	311.9	309.4	306.9	304.4
45°	298.2	296.9	295.7	295.7	294.4	294.4	294.4	294.4	293.2	291.9	289.4
47.5°	282.0	280.7	279.5	279.5	279.5	278.2	278.2	278.2	277.0	274.5	273.2
50°	265.7	264.5	263.2	263.2	262.0	260.7	262.0	260.7	260.7	258.3	255.8
52.5°	248.3	247.0	247.0	245.8	247.0	245.8	244.5	244.5	243.3	240.8	239.5
55°	230.8	230.8	229.6	229.6	229.6	228.3	228.3	227.1	227.1	224.6	222.1
57.5°	214.6	213.3	213.3	213.3	213.3	210.8	210.8	209.6	209.6	207.1	205.9
60°	197.1	195.9	195.9	195.9	195.9	194.6	193.4	193.4	190.9	189.6	188.4
62.5°	179.7	178.4	178.4	178.4	178.4	177.2	175.9	175.9	173.4	172.2	170.9
65°	162.2	160.9	160.9	160.9	160.9	159.7	158.4	158.4	155.9	154.7	154.7
67.5°	144.7	143.5	143.5	143.5	143.5	142.2	141.0	141.0	138.5	138.5	137.2
70°	127.3	127.3	127.3	126.0	126.0	124.8	123.5	123.5	121.0	121.0	119.8
72.5°	109.8	109.8	108.5	107.3	108.5	108.5	106.0	106.0	104.8	104.8	103.6
75°	92.3	92.3	91.1	91.1	91.1	89.8	88.6	88.6	87.3	87.3	86.1
77.5°	74.9	74.9	73.6	73.6	74.9	73.6	72.4	72.4	71.1	71.1	69.9
80°	57.4	58.6	57.4	58.6	57.4	57.4	56.1	54.9	54.9	54.9	53.6
82.5°	41.2	42.4	41.2	42.4	41.2	41.2	39.9	38.7	37.4	37.4	36.2
85°	26.2	26.2	25.0	26.2	25.0	25.0	23.7	22.5	21.2	21.2	21.2
87.5°	11.2	11.2	10.0	11.2	10.0	10.0	8.7	8.7	7.5	7.5	7.5
90°	2.5	3.7	5.0	5.0	5.0	5.0	6.2	6.2	6.2	6.2	7.5
92.5°	16.2	21.2	23.7	23.7	22.5	23.7	25.0	23.7	23.7	22.5	22.5
95°	28.7	32.4	38.7	42.4	46.2	51.2	53.6	52.4	52.4	49.9	49.9
97.5°	43.7	48.7	53.6	52.4	53.6	61.1	67.4	73.6	77.4	79.8	81.1
100°	68.6	66.1	69.9	73.6	74.9	73.6	76.1	82.3	88.6	91.1	96.1
102.5°	98.6	91.1	88.6	89.8	92.3	101.1	97.3	98.6	99.8	102.3	108.5
105°	134.7	122.3	116.0	114.8	113.5	117.3	126.0	128.5	123.5	122.3	124.8
107.5°	178.4	159.7	149.7	144.7	142.2	142.2	144.7	152.2	158.4	155.9	153.5
110°	230.8	203.4	188.4	179.7	173.4	169.7	170.9	173.4	179.7	185.9	190.9



TEST NUMBER: P303224

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	288.2	254.5	230.8	220.8	212.1	200.9	198.4	198.4	200.9	207.1	213.3
115°	351.8	310.7	280.7	267.0	257.0	238.3	229.6	224.6	225.8	227.1	232.1
117.5°	415.4	373.0	338.1	320.6	306.9	283.2	265.7	257.0	253.3	252.0	254.5
120°	476.6	436.7	399.2	380.5	363.1	334.4	310.7	291.9	284.5	278.2	277.0
122.5°	536.5	497.8	459.1	439.2	421.7	390.5	366.8	341.8	324.4	310.7	303.2
125°	600.1	557.7	519.0	501.5	482.8	449.1	419.2	396.7	374.3	355.6	341.8
127.5°	656.2	617.6	578.9	561.4	545.2	509.0	477.8	452.9	429.2	405.5	385.5
130°	713.6	676.2	638.8	620.1	602.6	570.2	537.7	510.3	486.6	462.9	440.4
132.5°	768.5	732.3	696.2	677.4	662.5	630.0	596.4	570.2	544.0	521.5	499.0
135°	820.9	783.5	751.1	732.3	714.9	686.2	655.0	631.3	603.8	580.1	558.9
137.5°	870.8	833.4	803.5	786.0	772.3	743.6	714.9	689.9	663.7	640.0	617.6
140°	917.0	882.1	849.6	835.9	819.7	794.7	768.5	747.3	722.4	697.4	677.4
142.5°	961.9	928.2	900.8	883.3	870.8	844.6	819.7	802.2	781.0	754.8	736.1
145°	1001.8	970.6	945.7	930.7	914.5	890.8	868.3	852.1	834.6	810.9	792.2
147.5°	1043.0	1013.0	986.8	975.6	960.6	938.2	918.2	902.0	889.5	865.8	848.4
150°	1081.7	1053.0	1026.8	1015.5	1003.1	981.9	963.1	949.4	938.2	917.0	900.8
152.5°	1117.8	1089.2	1066.7	1055.5	1043.0	1024.3	1005.6	991.8	985.6	964.4	948.2
155°	1149.0	1122.8	1102.9	1094.1	1081.7	1061.7	1045.5	1033.0	1026.8	1009.3	995.6
157.5°	1179.0	1152.8	1135.3	1127.8	1116.6	1097.9	1084.2	1070.4	1066.7	1053.0	1038.0
160°	1205.2	1182.7	1167.8	1160.3	1150.3	1131.6	1119.1	1107.9	1104.1	1094.1	1080.4
162.5°	1228.9	1208.9	1196.4	1187.7	1179.0	1165.3	1151.5	1141.6	1139.1	1132.8	1117.8
165°	1251.3	1232.6	1220.1	1213.9	1207.7	1194.0	1181.5	1174.0	1171.5	1167.8	1152.8
167.5°	1271.3	1253.8	1242.6	1238.9	1231.4	1220.1	1210.2	1202.7	1201.4	1200.2	1186.5
170°	1286.3	1271.3	1263.8	1257.6	1253.8	1243.9	1235.1	1228.9	1228.9	1230.1	1216.4
172.5°	1300.0	1287.5	1280.0	1276.3	1272.5	1263.8	1257.6	1251.3	1253.8	1256.3	1245.1
175°	1310.0	1300.0	1293.8	1291.3	1288.8	1281.3	1276.3	1273.8	1276.3	1281.3	1270.1
177.5°	1317.5	1310.0	1306.2	1305.0	1302.5	1297.5	1295.0	1292.5	1297.5	1303.7	1293.8
180°	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0



TEST NUMBER: P303224

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
2.5°	482.8	482.8	481.6	481.6	480.3	479.1	477.8	477.8
5°	480.3	479.1	479.1	479.1	477.8	477.8	476.6	476.6
7.5°	475.3	475.3	475.3	474.1	475.3	474.1	474.1	474.1
10°	470.3	469.1	469.1	469.1	469.1	467.8	467.8	469.1
12.5°	464.1	462.9	461.6	461.6	461.6	461.6	461.6	462.9
15°	455.4	455.4	455.4	454.1	454.1	454.1	454.1	455.4
17.5°	445.4	444.1	444.1	444.1	444.1	444.1	444.1	444.1
20°	434.2	432.9	432.9	431.7	431.7	431.7	431.7	432.9
22.5°	422.9	420.4	420.4	419.2	420.4	420.4	419.2	420.4
25°	409.2	408.0	408.0	406.7	406.7	405.5	405.5	406.7
27.5°	396.7	395.5	394.2	394.2	393.0	391.7	391.7	393.0
30°	383.0	381.8	380.5	379.3	379.3	378.0	378.0	379.3
32.5°	368.0	366.8	365.5	365.5	364.3	363.1	363.1	364.3
35°	353.1	351.8	350.6	350.6	349.3	348.1	348.1	349.3
37.5°	338.1	335.6	335.6	335.6	334.4	333.1	331.9	333.1
40°	319.4	318.1	316.9	315.6	315.6	314.4	314.4	314.4
42.5°	303.2	301.9	301.9	300.7	299.4	298.2	298.2	299.4
45°	286.9	286.9	285.7	284.5	283.2	283.2	283.2	283.2
47.5°	270.7	269.5	269.5	269.5	267.0	267.0	265.7	267.0
50°	254.5	253.3	253.3	253.3	250.8	250.8	250.8	250.8
52.5°	238.3	237.0	237.0	235.8	235.8	234.5	233.3	234.5
55°	220.8	220.8	219.6	219.6	218.3	217.1	217.1	218.3
57.5°	204.6	203.4	203.4	203.4	202.1	200.9	200.9	202.1
60°	187.1	187.1	187.1	185.9	184.6	184.6	184.6	184.6
62.5°	170.9	169.7	169.7	169.7	169.7	168.4	167.2	167.2
65°	153.5	152.2	152.2	152.2	151.0	152.2	151.0	151.0
67.5°	136.0	136.0	136.0	134.7	134.7	134.7	133.5	133.5
70°	119.8	118.5	119.8	118.5	118.5	118.5	117.3	117.3
72.5°	103.6	102.3	102.3	101.1	102.3	101.1	101.1	99.8
75°	86.1	86.1	84.8	84.8	84.8	84.8	83.6	83.6
77.5°	69.9	69.9	68.6	68.6	68.6	67.4	67.4	66.1
80°	52.4	52.4	52.4	51.2	51.2	51.2	51.2	49.9
82.5°	36.2	36.2	36.2	34.9	34.9	33.7	33.7	32.4
85°	20.0	20.0	20.0	18.7	18.7	18.7	18.7	17.5
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
90°	7.5	8.7	7.5	8.7	10.0	10.0	10.0	11.2
92.5°	22.5	22.5	22.5	23.7	23.7	22.5	22.5	22.5
95°	49.9	49.9	49.9	49.9	49.9	48.7	48.7	48.7
97.5°	82.3	82.3	82.3	83.6	82.3	79.8	79.8	79.8
100°	98.6	101.1	102.3	103.6	104.8	106.0	106.0	106.0
102.5°	113.5	114.8	116.0	117.3	118.5	118.5	118.5	118.5
105°	127.3	128.5	128.5	129.8	133.5	136.0	137.2	137.2
107.5°	152.2	152.2	152.2	153.5	153.5	153.5	153.5	153.5
110°	193.4	187.1	185.9	180.9	182.1	180.9	180.9	180.9



TEST NUMBER: P303224

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	219.6	223.3	224.6	225.8	225.8	224.6	222.1	220.8
115°	239.5	243.3	245.8	245.8	249.5	252.0	252.0	252.0
117.5°	258.3	262.0	263.2	265.7	268.2	270.7	272.0	272.0
120°	278.2	282.0	282.0	284.5	285.7	288.2	289.4	289.4
122.5°	300.7	303.2	303.2	303.2	305.7	305.7	306.9	306.9
125°	334.4	331.9	330.6	329.4	329.4	328.1	329.4	328.1
127.5°	373.0	366.8	363.1	359.3	356.8	353.1	353.1	351.8
130°	420.4	413.0	404.2	400.5	394.2	390.5	388.0	385.5
132.5°	477.8	467.8	459.1	452.9	444.1	436.7	432.9	430.4
135°	540.2	524.0	514.0	510.3	500.3	491.6	489.1	486.6
137.5°	598.8	583.9	575.1	571.4	561.4	552.7	548.9	546.4
140°	656.2	641.3	631.3	630.0	620.1	612.6	610.1	607.6
142.5°	714.9	702.4	691.2	687.4	678.7	673.7	668.7	667.5
145°	772.3	758.5	748.6	746.1	737.3	731.1	727.3	724.9
147.5°	829.7	817.2	807.2	804.7	796.0	791.0	786.0	783.5
150°	884.5	869.6	863.3	860.8	852.1	848.4	843.4	840.9
152.5°	935.7	922.0	917.0	913.2	907.0	899.5	898.3	895.8
155°	981.9	969.4	965.6	961.9	955.7	951.9	950.7	949.4
157.5°	1028.0	1016.8	1011.8	1008.1	1003.1	999.3	998.1	999.3
160°	1072.9	1061.7	1058.0	1055.5	1048.0	1045.5	1045.5	1045.5
162.5°	1112.9	1104.1	1100.4	1097.9	1094.1	1090.4	1087.9	1089.2
165°	1149.0	1141.6	1139.1	1135.3	1131.6	1130.3	1129.1	1129.1
167.5°	1182.7	1175.2	1172.7	1169.0	1167.8	1165.3	1164.0	1166.5
170°	1215.2	1207.7	1206.4	1202.7	1200.2	1198.9	1196.4	1200.2
172.5°	1243.9	1238.9	1236.4	1233.9	1233.9	1232.6	1231.4	1233.9
175°	1270.1	1266.3	1263.8	1260.1	1261.3	1260.1	1260.1	1262.6
177.5°	1295.0	1292.5	1290.0	1288.8	1287.5	1285.0	1282.5	1283.8
180°	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0	1315.0

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