

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: P303213

Luminaire Tested: **CTW-F-7525-30L930-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303213  
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-7525-30L930-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

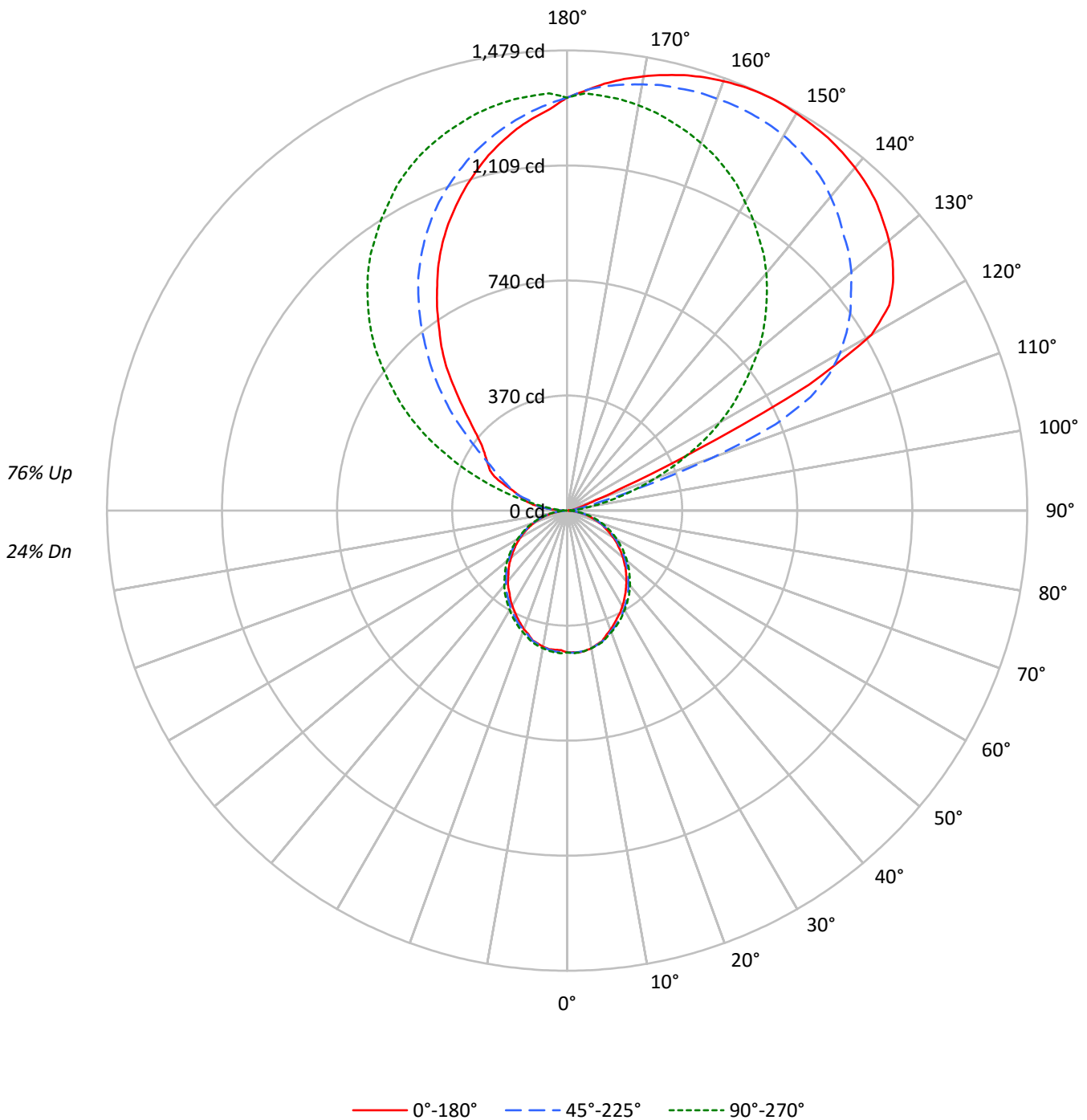
Lumens per Lamp: N/A  
Luminaire Lumens: 4970.7 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31  
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

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°	4906	4906	4906
5°	4943	4943	4853
10°	4909	4909	4854
15°	4839	4875	4801
20°	4668	4764	4649
25°	4524	4682	4505
30°	4404	4590	4384
35°	4284	4503	4240
40°	4161	4418	4161
45°	4052	4305	4052
50°	3927	4207	3927
55°	3778	4089	3840
60°	3653	3974	3724
65°	3474	3856	3601
70°	3298	3770	3509
75°	3115	3597	3319
80°	2678	3298	2988
85°	1643	2878	2470



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.1	0.9
10°-20°	121.3	2.4
20°-30°	178.1	3.6
30°-40°	208.8	4.2
40°-50°	211.6	4.3
50°-60°	188.6	3.8
60°-70°	144.8	2.9
70°-80°	85.9	1.7
80°-90°	24.1	0.5
90°-100°	39.4	0.8
100°-110°	163.4	3.3
110°-120°	459.3	9.2
120°-130°	663.5	13.3
130°-140°	713.4	14.4
140°-150°	678.6	13.7
150°-160°	557.1	11.2
160°-170°	363.8	7.3
170°-180°	126.1	2.5
0°-30°	342.5	6.9
0°-40°	551.3	11.1
0°-60°	951.5	19.1
0°-90°	1206.2	24.3
90°-120°	662.1	13.3
90°-150°	2717.6	54.7
90°-180°	3764.0	75.7
0°-180°	4970.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	456	456	456	456	456	
5°	458	456	458	454	449	43
15°	434	436	438	432	431	121
25°	381	391	394	388	379	176
35°	326	338	343	334	323	204
45°	266	274	283	276	266	205
55°	201	210	218	213	205	181
65°	136	145	151	148	141	136
75°	75	80	86	83	80	78
85°	13	17	23	20	20	17
90°	3	2	2	8	13	2
95°	10	12	28	52	52	11
105°	45	115	178	125	150	53
115°	448	863	431	226	258	522
125°	1279	1111	685	364	324	1134
135°	1404	1256	903	599	477	1083
145°	1462	1364	1073	833	717	917
155°	1479	1406	1209	1033	948	683
165°	1449	1404	1294	1183	1130	411
175°	1377	1369	1337	1289	1266	133
180°	1327	1327	1327	1327	1327	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	455.8	454.1	455.8	455.8	457.5	457.5	457.5	455.8	457.5	459.1	457.5
5°	457.5	457.5	455.8	455.8	455.8	455.8	455.8	454.1	455.8	457.5	455.8
7.5°	454.1	454.1	454.1	452.5	452.5	452.5	452.5	452.5	452.5	454.1	454.1
10°	449.1	449.1	447.5	445.8	447.5	447.5	447.5	445.8	447.5	449.1	449.1
12.5°	440.8	442.5	440.8	440.8	440.8	440.8	440.8	440.8	442.5	444.1	442.5
15°	434.2	434.2	434.2	432.5	432.5	432.5	432.5	430.8	434.2	435.8	435.8
17.5°	419.2	419.2	419.2	420.9	422.5	422.5	422.5	420.9	420.9	425.8	424.2
20°	407.5	407.5	407.5	407.5	409.2	409.2	409.2	409.2	409.2	412.5	412.5
22.5°	394.2	395.9	395.9	395.9	397.6	397.6	397.6	397.6	397.6	400.9	402.6
25°	380.9	382.6	382.6	384.3	384.3	384.3	384.3	385.9	385.9	389.2	390.9
27.5°	369.3	369.3	369.3	371.0	371.0	372.6	372.6	374.3	374.3	375.9	379.3
30°	354.3	354.3	356.0	356.0	357.6	359.3	359.3	361.0	361.0	362.6	366.0
32.5°	341.0	341.0	341.0	342.7	344.3	344.3	344.3	346.0	346.0	347.7	351.0
35°	326.0	326.0	326.0	327.7	327.7	329.4	329.4	331.0	332.7	334.4	337.7
37.5°	311.1	311.1	311.1	312.7	312.7	314.4	316.1	317.7	317.7	319.4	322.7
40°	296.1	296.1	296.1	297.8	299.4	299.4	299.4	301.1	302.7	304.4	306.1
42.5°	281.1	279.5	281.1	281.1	282.8	284.5	284.5	286.1	287.8	289.4	291.1
45°	266.2	264.5	266.2	266.2	267.8	267.8	267.8	271.1	271.1	272.8	274.5
47.5°	249.5	249.5	249.5	249.5	252.8	251.2	252.8	254.5	256.2	257.8	259.5
50°	234.5	232.9	234.5	234.5	236.2	236.2	236.2	237.9	239.5	241.2	242.9
52.5°	217.9	217.9	217.9	217.9	219.6	221.2	221.2	222.9	222.9	224.6	226.2
55°	201.3	201.3	202.9	202.9	204.6	204.6	204.6	206.3	206.3	209.6	209.6
57.5°	186.3	186.3	186.3	186.3	188.0	188.0	189.6	189.6	189.6	193.0	194.6
60°	169.7	169.7	171.3	169.7	173.0	171.3	173.0	173.0	174.7	176.3	178.0
62.5°	153.0	154.7	154.7	154.7	154.7	156.4	156.4	158.0	158.0	159.7	161.4
65°	136.4	136.4	138.1	138.1	139.7	139.7	139.7	141.4	141.4	143.1	144.7
67.5°	123.1	123.1	121.4	121.4	123.1	123.1	124.8	124.8	124.8	126.4	126.4
70°	104.8	106.5	106.5	106.5	106.5	108.1	108.1	108.1	109.8	109.8	111.5
72.5°	89.8	89.8	89.8	89.8	89.8	91.5	91.5	91.5	93.2	93.2	94.8
75°	74.9	73.2	74.9	73.2	74.9	74.9	74.9	76.5	76.5	76.5	79.8
77.5°	58.2	58.2	58.2	58.2	58.2	58.2	59.9	59.9	61.5	63.2	63.2
80°	43.2	41.6	43.2	43.2	43.2	43.2	43.2	43.2	44.9	46.6	46.6
82.5°	26.6	26.6	26.6	26.6	28.3	28.3	28.3	28.3	29.9	31.6	31.6
85°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	15.0	15.0	16.6	16.6
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.7
92.5°	5.0	5.0	5.0	5.0	5.0	6.7	6.7	5.0	6.7	6.7	6.7
95°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.6	11.6	11.6	11.6
97.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	18.3	18.3	20.0	21.6
100°	23.3	23.3	23.3	23.3	23.3	25.0	25.0	26.6	28.3	31.6	36.6
102.5°	33.3	33.3	33.3	33.3	34.9	36.6	36.6	38.3	43.2	49.9	61.5
105°	44.9	44.9	46.6	46.6	48.2	49.9	51.6	58.2	68.2	84.8	114.8
107.5°	63.2	63.2	64.9	68.2	71.5	74.9	81.5	98.1	128.1	174.7	249.5
110°	98.1	98.1	101.5	113.1	124.8	133.1	153.0	202.9	286.1	387.6	495.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	194.6	198.0	207.9	239.5	281.1	307.7	364.3	474.1	575.6	677.0	725.3
115°	447.5	495.7	509.0	568.9	645.4	682.0	721.9	796.8	851.7	876.6	863.3
117.5°	876.6	916.6	914.9	959.8	979.8	991.4	1001.4	1011.4	991.4	981.4	949.8
120°	1129.5	1139.5	1126.2	1127.8	1124.5	1119.5	1114.5	1097.9	1074.6	1048.0	1013.0
122.5°	1227.6	1224.3	1217.7	1209.3	1196.0	1186.0	1177.7	1156.1	1131.2	1101.2	1064.6
125°	1279.2	1275.9	1269.2	1257.6	1242.6	1234.3	1224.3	1202.7	1176.1	1146.1	1111.2
127.5°	1319.1	1314.1	1307.5	1295.8	1282.5	1272.5	1265.9	1242.6	1216.0	1187.7	1149.5
130°	1350.7	1347.4	1339.1	1330.8	1315.8	1307.5	1299.2	1279.2	1249.3	1222.6	1192.7
132.5°	1377.3	1375.7	1369.0	1360.7	1345.7	1337.4	1330.8	1310.8	1282.5	1254.2	1227.6
135°	1404.0	1400.6	1394.0	1385.7	1370.7	1364.0	1355.7	1339.1	1310.8	1282.5	1255.9
137.5°	1423.9	1418.9	1413.9	1407.3	1392.3	1387.3	1379.0	1360.7	1335.8	1312.5	1289.2
140°	1438.9	1433.9	1428.9	1423.9	1410.6	1405.6	1399.0	1380.7	1355.7	1335.8	1317.5
142.5°	1452.2	1447.2	1443.9	1438.9	1427.2	1422.3	1417.3	1399.0	1377.3	1359.0	1344.1
145°	1462.2	1457.2	1455.5	1450.5	1440.6	1435.6	1430.6	1412.3	1392.3	1374.0	1364.0
147.5°	1468.8	1467.2	1463.8	1458.9	1450.5	1447.2	1442.2	1425.6	1404.0	1390.7	1379.0
150°	1473.8	1473.8	1470.5	1467.2	1458.9	1455.5	1450.5	1433.9	1417.3	1405.6	1392.3
152.5°	1478.8	1478.8	1475.5	1470.5	1463.8	1460.5	1453.9	1438.9	1423.9	1415.6	1400.6
155°	1478.8	1480.5	1477.2	1470.5	1465.5	1460.5	1455.5	1440.6	1427.2	1420.6	1405.6
157.5°	1475.5	1477.2	1472.2	1467.2	1462.2	1458.9	1452.2	1438.9	1428.9	1423.9	1409.0
160°	1468.8	1470.5	1467.2	1462.2	1457.2	1455.5	1448.9	1437.2	1428.9	1423.9	1409.0
162.5°	1460.5	1462.2	1460.5	1455.5	1452.2	1450.5	1443.9	1433.9	1425.6	1422.3	1409.0
165°	1448.9	1450.5	1448.9	1443.9	1442.2	1438.9	1433.9	1423.9	1417.3	1417.3	1404.0
167.5°	1433.9	1435.6	1433.9	1425.6	1425.6	1422.3	1420.6	1412.3	1409.0	1410.6	1400.6
170°	1417.3	1418.9	1415.6	1410.6	1412.3	1409.0	1407.3	1402.3	1399.0	1400.6	1390.7
172.5°	1399.0	1400.6	1399.0	1394.0	1395.6	1394.0	1392.3	1385.7	1384.0	1389.0	1380.7
175°	1377.3	1377.3	1377.3	1372.4	1375.7	1374.0	1372.4	1369.0	1369.0	1374.0	1369.0
177.5°	1350.7	1350.7	1352.4	1350.7	1354.1	1352.4	1352.4	1350.7	1350.7	1357.4	1352.4
180°	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	454.1	452.5	452.5	454.1	454.1	454.1	455.8	457.5	457.5	459.1	457.5
5°	454.1	452.5	450.8	452.5	454.1	454.1	454.1	455.8	455.8	457.5	455.8
7.5°	450.8	449.1	449.1	450.8	450.8	450.8	450.8	452.5	452.5	454.1	452.5
10°	445.8	444.1	444.1	444.1	445.8	445.8	447.5	449.1	449.1	449.1	447.5
12.5°	440.8	439.2	439.2	439.2	440.8	440.8	440.8	442.5	444.1	444.1	442.5
15°	430.8	429.2	429.2	430.8	432.5	432.5	434.2	435.8	437.5	437.5	435.8
17.5°	422.5	420.9	420.9	422.5	422.5	424.2	424.2	425.8	424.2	425.8	424.2
20°	410.9	409.2	409.2	410.9	410.9	412.5	412.5	414.2	415.9	415.9	414.2
22.5°	400.9	397.6	399.2	399.2	400.9	400.9	402.6	404.2	404.2	405.9	404.2
25°	389.2	387.6	387.6	389.2	389.2	390.9	390.9	392.6	394.2	394.2	392.6
27.5°	377.6	375.9	374.3	375.9	377.6	379.3	379.3	380.9	382.6	382.6	380.9
30°	364.3	362.6	362.6	364.3	364.3	366.0	367.6	367.6	371.0	369.3	367.6
32.5°	352.7	351.0	349.3	351.0	352.7	352.7	354.3	356.0	356.0	356.0	354.3
35°	337.7	336.0	336.0	336.0	337.7	339.3	341.0	341.0	342.7	342.7	341.0
37.5°	324.4	322.7	321.0	322.7	324.4	326.0	326.0	327.7	327.7	329.4	327.7
40°	309.4	307.7	307.7	307.7	309.4	311.1	311.1	312.7	314.4	314.4	312.7
42.5°	294.4	292.8	292.8	292.8	294.4	296.1	296.1	297.8	299.4	297.8	297.8
45°	279.5	277.8	277.8	277.8	279.5	279.5	281.1	282.8	282.8	282.8	281.1
47.5°	261.2	262.8	262.8	262.8	262.8	264.5	264.5	266.2	266.2	267.8	266.2
50°	244.5	246.2	246.2	246.2	247.9	247.9	249.5	249.5	249.5	251.2	249.5
52.5°	229.6	229.6	229.6	231.2	231.2	231.2	232.9	234.5	234.5	234.5	232.9
55°	212.9	212.9	214.6	216.2	216.2	216.2	216.2	217.9	217.9	217.9	217.9
57.5°	196.3	196.3	198.0	199.6	199.6	199.6	199.6	201.3	201.3	201.3	199.6
60°	179.7	179.7	181.3	183.0	183.0	183.0	183.0	184.6	184.6	184.6	184.6
62.5°	163.0	163.0	164.7	166.3	166.3	166.3	166.3	168.0	168.0	168.0	168.0
65°	146.4	146.4	148.0	149.7	149.7	149.7	151.4	151.4	153.0	151.4	153.0
67.5°	129.7	131.4	131.4	133.1	133.1	133.1	134.7	134.7	136.4	136.4	136.4
70°	113.1	114.8	114.8	116.4	116.4	116.4	116.4	118.1	119.8	119.8	119.8
72.5°	96.5	96.5	98.1	99.8	99.8	99.8	101.5	101.5	103.1	103.1	103.1
75°	79.8	81.5	81.5	83.2	83.2	83.2	84.8	84.8	86.5	86.5	86.5
77.5°	63.2	64.9	66.5	68.2	66.5	68.2	68.2	69.9	69.9	69.9	71.5
80°	48.2	49.9	49.9	51.6	51.6	51.6	51.6	53.2	54.9	53.2	54.9
82.5°	33.3	33.3	34.9	36.6	36.6	36.6	36.6	38.3	38.3	38.3	39.9
85°	18.3	20.0	20.0	20.0	21.6	21.6	23.3	23.3	23.3	23.3	25.0
87.5°	5.0	5.0	6.7	8.3	8.3	8.3	8.3	10.0	10.0	10.0	11.6
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	6.7	6.7	8.3	8.3	10.0	10.0	13.3	15.0	13.3	10.0	13.3
95°	13.3	16.6	20.0	26.6	29.9	31.6	39.9	39.9	34.9	28.3	26.6
97.5°	26.6	33.3	41.6	56.6	63.2	71.5	79.8	76.5	63.2	51.6	48.2
100°	44.9	59.9	84.8	111.5	123.1	133.1	134.7	123.1	103.1	84.8	76.5
102.5°	83.2	118.1	164.7	206.3	211.3	216.2	206.3	183.0	153.0	126.4	109.8
105°	169.7	239.5	296.1	321.0	319.4	314.4	286.1	251.2	212.9	178.0	149.7
107.5°	349.3	415.9	450.8	439.2	424.2	409.2	366.0	326.0	277.8	234.5	204.6
110°	573.9	592.2	578.9	542.3	519.0	499.0	449.1	399.2	346.0	299.4	257.8





TEST NUMBER: P303213

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	735.2	710.3	670.4	623.8	600.5	575.6	524.0	475.7	414.2	366.0	319.4
115°	836.7	795.1	748.6	698.7	673.7	648.7	598.8	544.0	482.4	430.8	384.3
117.5°	908.2	861.7	816.8	768.5	741.9	717.0	665.4	610.5	548.9	502.4	452.5
120°	969.8	926.5	878.3	830.1	805.1	781.8	728.6	673.7	613.8	567.2	515.7
122.5°	1024.7	981.4	933.2	886.6	863.3	840.0	786.8	731.9	675.4	630.5	577.2
125°	1071.3	1031.3	986.4	938.2	916.6	893.3	840.0	788.5	735.2	685.3	638.8
127.5°	1119.5	1079.6	1036.3	989.8	966.5	941.5	891.6	840.0	790.1	743.6	698.7
130°	1159.4	1119.5	1079.6	1034.7	1011.4	988.1	939.9	890.0	843.4	803.5	755.2
132.5°	1197.7	1159.4	1119.5	1072.9	1051.3	1029.7	986.4	939.9	898.3	855.0	810.1
135°	1232.6	1192.7	1154.4	1109.5	1087.9	1069.6	1026.4	983.1	944.8	903.3	861.7
137.5°	1260.9	1224.3	1182.7	1141.1	1122.8	1106.2	1064.6	1024.7	988.1	949.8	911.6
140°	1287.5	1249.3	1209.3	1171.1	1152.8	1137.8	1099.5	1064.6	1029.7	996.4	958.2
142.5°	1312.5	1272.5	1232.6	1197.7	1182.7	1167.7	1134.5	1101.2	1067.9	1038.0	1001.4
145°	1330.8	1292.5	1254.2	1222.6	1211.0	1196.0	1162.8	1134.5	1104.5	1072.9	1041.3
147.5°	1349.1	1312.5	1277.5	1247.6	1236.0	1222.6	1192.7	1167.7	1139.5	1111.2	1079.6
150°	1364.0	1327.4	1297.5	1270.9	1259.2	1249.3	1219.3	1197.7	1171.1	1144.5	1117.8
152.5°	1372.4	1340.7	1312.5	1290.8	1280.9	1270.9	1245.9	1227.6	1201.0	1181.1	1152.8
155°	1377.3	1350.7	1325.8	1307.5	1299.2	1292.5	1267.6	1250.9	1229.3	1209.3	1184.4
157.5°	1382.3	1357.4	1335.8	1320.8	1314.1	1305.8	1284.2	1270.9	1252.6	1236.0	1212.7
160°	1384.0	1362.4	1344.1	1330.8	1325.8	1319.1	1300.8	1289.2	1272.5	1257.6	1236.0
162.5°	1384.0	1367.4	1350.7	1340.7	1335.8	1329.1	1314.1	1305.8	1290.8	1277.5	1259.2
165°	1384.0	1369.0	1354.1	1347.4	1342.4	1339.1	1325.8	1317.5	1304.2	1294.2	1279.2
167.5°	1380.7	1367.4	1357.4	1352.4	1349.1	1344.1	1334.1	1327.4	1317.5	1310.8	1295.8
170°	1374.0	1364.0	1354.1	1352.4	1350.7	1347.4	1339.1	1335.8	1329.1	1322.5	1310.8
172.5°	1367.4	1357.4	1350.7	1350.7	1349.1	1347.4	1340.7	1340.7	1335.8	1332.4	1320.8
175°	1354.1	1347.4	1342.4	1344.1	1344.1	1342.4	1339.1	1340.7	1339.1	1337.4	1330.8
177.5°	1340.7	1335.8	1334.1	1337.4	1337.4	1337.4	1335.8	1340.7	1340.7	1342.4	1335.8
180°	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4



TEST NUMBER: P303213

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	454.1	452.5	452.5	452.5	452.5	454.1	454.1	452.5	455.8	457.5	455.8
5°	452.5	450.8	450.8	450.8	452.5	452.5	452.5	452.5	454.1	455.8	454.1
7.5°	450.8	447.5	447.5	447.5	449.1	449.1	449.1	447.5	450.8	452.5	449.1
10°	444.1	442.5	442.5	442.5	444.1	444.1	444.1	442.5	444.1	445.8	444.1
12.5°	439.2	437.5	437.5	437.5	437.5	439.2	437.5	437.5	439.2	440.8	437.5
15°	430.8	427.5	427.5	427.5	429.2	429.2	429.2	427.5	432.5	430.8	429.2
17.5°	420.9	417.5	417.5	417.5	419.2	419.2	417.5	415.9	419.2	419.2	417.5
20°	410.9	407.5	407.5	407.5	409.2	409.2	409.2	407.5	409.2	409.2	407.5
22.5°	400.9	397.6	397.6	397.6	399.2	399.2	397.6	395.9	399.2	397.6	395.9
25°	389.2	387.6	387.6	387.6	387.6	387.6	385.9	384.3	387.6	385.9	384.3
27.5°	377.6	375.9	375.9	375.9	375.9	375.9	374.3	372.6	374.3	372.6	372.6
30°	366.0	362.6	362.6	364.3	364.3	362.6	361.0	361.0	362.6	361.0	359.3
32.5°	352.7	351.0	349.3	351.0	351.0	351.0	347.7	347.7	347.7	346.0	346.0
35°	339.3	337.7	336.0	337.7	337.7	336.0	334.4	334.4	334.4	332.7	331.0
37.5°	324.4	322.7	322.7	322.7	322.7	322.7	319.4	321.0	321.0	317.7	317.7
40°	309.4	307.7	307.7	309.4	309.4	307.7	306.1	307.7	306.1	304.4	302.7
42.5°	296.1	292.8	294.4	294.4	294.4	292.8	292.8	292.8	291.1	289.4	287.8
45°	279.5	277.8	279.5	279.5	279.5	277.8	277.8	276.1	276.1	274.5	272.8
47.5°	264.5	262.8	264.5	264.5	264.5	261.2	262.8	261.2	261.2	257.8	257.8
50°	247.9	247.9	249.5	247.9	247.9	246.2	246.2	244.5	244.5	242.9	241.2
52.5°	232.9	232.9	232.9	232.9	232.9	231.2	231.2	229.6	229.6	227.9	226.2
55°	216.2	216.2	217.9	217.9	216.2	214.6	214.6	214.6	212.9	211.3	209.6
57.5°	199.6	201.3	201.3	199.6	201.3	199.6	198.0	198.0	196.3	194.6	194.6
60°	184.6	184.6	184.6	184.6	184.6	183.0	183.0	183.0	179.7	178.0	178.0
62.5°	168.0	169.7	168.0	168.0	168.0	166.3	166.3	166.3	164.7	163.0	163.0
65°	153.0	153.0	153.0	151.4	151.4	151.4	151.4	149.7	148.0	146.4	146.4
67.5°	136.4	136.4	136.4	136.4	134.7	134.7	133.1	133.1	131.4	131.4	129.7
70°	119.8	119.8	119.8	119.8	118.1	118.1	118.1	116.4	114.8	114.8	114.8
72.5°	103.1	103.1	103.1	103.1	103.1	101.5	101.5	99.8	99.8	99.8	98.1
75°	86.5	86.5	86.5	86.5	86.5	84.8	84.8	83.2	83.2	83.2	81.5
77.5°	69.9	69.9	69.9	69.9	69.9	69.9	68.2	68.2	68.2	66.5	66.5
80°	54.9	54.9	53.2	54.9	53.2	53.2	53.2	53.2	51.6	51.6	49.9
82.5°	38.3	39.9	38.3	38.3	38.3	38.3	38.3	36.6	36.6	36.6	34.9
85°	25.0	25.0	25.0	23.3	23.3	23.3	21.6	21.6	20.0	21.6	20.0
87.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.3	10.0	8.3
90°	3.3	5.0	5.0	5.0	6.7	8.3	6.7	8.3	8.3	10.0	10.0
92.5°	20.0	23.3	23.3	23.3	25.0	26.6	25.0	26.6	26.6	26.6	25.0
95°	31.6	36.6	46.6	48.2	51.6	54.9	54.9	53.2	51.6	51.6	49.9
97.5°	44.9	53.2	54.9	58.2	61.5	71.5	76.5	81.5	84.8	84.8	83.2
100°	69.9	68.2	76.5	81.5	78.2	79.8	84.8	94.8	99.8	103.1	106.5
102.5°	99.8	91.5	91.5	94.8	99.8	108.1	101.5	104.8	108.1	113.1	121.4
105°	136.4	123.1	118.1	116.4	118.1	124.8	133.1	129.7	124.8	128.1	131.4
107.5°	179.7	163.0	148.0	144.7	144.7	144.7	151.4	159.7	164.7	159.7	151.4
110°	229.6	204.6	186.3	178.0	174.7	171.3	169.7	178.0	188.0	193.0	194.6



TEST NUMBER: P303213

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	284.5	252.8	229.6	221.2	211.3	201.3	198.0	199.6	202.9	214.6	219.6
115°	346.0	309.4	277.8	267.8	257.8	236.2	227.9	224.6	226.2	229.6	237.9
117.5°	407.5	371.0	332.7	317.7	306.1	282.8	261.2	254.5	251.2	252.8	254.5
120°	474.1	434.2	392.6	374.3	359.3	334.4	304.4	287.8	279.5	277.8	276.1
122.5°	535.6	497.4	460.8	437.5	417.5	385.9	356.0	332.7	317.7	306.1	302.7
125°	595.5	557.3	522.3	504.0	484.1	449.1	412.5	385.9	364.3	346.0	334.4
127.5°	653.7	617.1	580.5	563.9	547.3	509.0	474.1	447.5	419.2	395.9	377.6
130°	710.3	673.7	640.4	625.5	603.8	567.2	534.0	504.0	480.7	455.8	429.2
132.5°	766.9	731.9	700.3	683.7	665.4	627.1	593.9	565.6	537.3	515.7	494.0
135°	818.4	783.5	753.5	740.2	718.6	685.3	653.7	627.1	598.8	573.9	553.9
137.5°	868.3	835.1	805.1	791.8	773.5	741.9	712.0	687.0	657.1	632.1	613.8
140°	914.9	881.6	853.4	840.0	825.1	795.1	765.2	745.2	715.3	692.0	672.0
142.5°	961.5	929.9	901.6	890.0	875.0	846.7	818.4	801.8	775.2	753.5	731.9
145°	1003.1	971.5	946.5	936.5	923.2	894.9	870.0	853.4	833.4	811.8	790.1
147.5°	1043.0	1013.0	989.8	981.4	969.8	944.8	919.9	904.9	890.0	866.7	846.7
150°	1082.9	1051.3	1031.3	1023.0	1013.0	991.4	968.1	951.5	939.9	916.6	899.9
152.5°	1119.5	1092.9	1071.3	1061.3	1053.0	1034.7	1011.4	994.7	988.1	968.1	949.8
155°	1152.8	1126.2	1109.5	1097.9	1092.9	1072.9	1054.6	1036.3	1033.0	1011.4	998.1
157.5°	1181.1	1157.8	1139.5	1132.8	1126.2	1111.2	1092.9	1077.9	1074.6	1056.3	1041.3
160°	1209.3	1186.0	1172.7	1166.1	1159.4	1142.8	1127.8	1112.9	1112.9	1099.5	1086.2
162.5°	1232.6	1212.7	1201.0	1196.0	1191.0	1179.4	1162.8	1147.8	1147.8	1137.8	1126.2
165°	1254.2	1236.0	1226.0	1222.6	1216.0	1207.7	1196.0	1181.1	1182.7	1172.7	1162.8
167.5°	1275.9	1257.6	1249.3	1245.9	1242.6	1234.3	1224.3	1211.0	1212.7	1207.7	1196.0
170°	1292.5	1275.9	1269.2	1265.9	1264.2	1257.6	1250.9	1239.3	1240.9	1237.6	1227.6
172.5°	1304.2	1290.8	1287.5	1284.2	1284.2	1279.2	1274.2	1264.2	1265.9	1267.6	1255.9
175°	1314.1	1302.5	1300.8	1299.2	1299.2	1297.5	1294.2	1285.9	1289.2	1292.5	1282.5
177.5°	1322.5	1314.1	1314.1	1314.1	1314.1	1314.1	1312.5	1305.8	1309.1	1315.8	1305.8
180°	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4



TEST NUMBER: P303213

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	455.8	455.8	455.8	455.8	455.8	452.5	450.8	449.1
5°	454.1	454.1	452.5	452.5	454.1	452.5	450.8	449.1
7.5°	449.1	449.1	449.1	449.1	450.8	449.1	447.5	449.1
10°	444.1	444.1	442.5	442.5	444.1	444.1	442.5	444.1
12.5°	437.5	437.5	435.8	437.5	437.5	437.5	437.5	437.5
15°	429.2	427.5	427.5	427.5	429.2	429.2	429.2	430.8
17.5°	417.5	417.5	415.9	417.5	419.2	417.5	415.9	415.9
20°	407.5	405.9	405.9	405.9	407.5	405.9	405.9	405.9
22.5°	395.9	394.2	394.2	394.2	395.9	394.2	392.6	392.6
25°	382.6	382.6	382.6	382.6	382.6	380.9	379.3	379.3
27.5°	371.0	371.0	369.3	371.0	369.3	367.6	366.0	366.0
30°	357.6	357.6	356.0	357.6	356.0	354.3	352.7	352.7
32.5°	344.3	342.7	342.7	344.3	342.7	341.0	339.3	339.3
35°	329.4	329.4	329.4	329.4	327.7	326.0	324.4	322.7
37.5°	316.1	314.4	314.4	314.4	312.7	311.1	311.1	311.1
40°	301.1	299.4	299.4	301.1	297.8	296.1	296.1	296.1
42.5°	286.1	286.1	284.5	284.5	282.8	281.1	279.5	279.5
45°	269.5	271.1	269.5	269.5	267.8	266.2	264.5	266.2
47.5°	254.5	254.5	254.5	254.5	252.8	251.2	249.5	251.2
50°	239.5	239.5	239.5	239.5	236.2	236.2	234.5	234.5
52.5°	224.6	224.6	222.9	222.9	221.2	221.2	219.6	219.6
55°	207.9	207.9	207.9	207.9	206.3	204.6	204.6	204.6
57.5°	193.0	193.0	191.3	191.3	189.6	189.6	188.0	189.6
60°	176.3	176.3	176.3	176.3	174.7	174.7	173.0	173.0
62.5°	161.4	159.7	159.7	159.7	158.0	158.0	158.0	158.0
65°	144.7	144.7	143.1	144.7	143.1	143.1	141.4	141.4
67.5°	129.7	128.1	128.1	128.1	128.1	126.4	126.4	126.4
70°	113.1	111.5	111.5	111.5	111.5	111.5	109.8	111.5
72.5°	96.5	96.5	96.5	96.5	94.8	94.8	94.8	94.8
75°	81.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8
77.5°	66.5	64.9	64.9	64.9	64.9	63.2	63.2	63.2
80°	49.9	49.9	49.9	48.2	48.2	48.2	48.2	48.2
82.5°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	31.6
85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
87.5°	8.3	8.3	8.3	8.3	10.0	10.0	10.0	10.0
90°	10.0	10.0	11.6	11.6	11.6	11.6	13.3	13.3
92.5°	26.6	26.6	28.3	28.3	26.6	26.6	28.3	28.3
95°	51.6	51.6	51.6	51.6	49.9	49.9	51.6	51.6
97.5°	83.2	81.5	83.2	81.5	79.8	79.8	79.8	78.2
100°	109.8	109.8	111.5	111.5	111.5	111.5	113.1	111.5
102.5°	124.8	126.4	128.1	128.1	129.7	131.4	131.4	131.4
105°	134.7	136.4	139.7	141.4	146.4	148.0	149.7	149.7
107.5°	154.7	154.7	156.4	158.0	158.0	159.7	161.4	161.4
110°	191.3	184.6	183.0	183.0	179.7	179.7	181.3	183.0



TEST NUMBER: P303213

CATALOG NUMBER: CTW-F-7525-30L930-UNV-STD-8

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	224.6	226.2	226.2	227.9	221.2	217.9	219.6	219.6
115°	246.2	249.5	249.5	252.8	252.8	254.5	257.8	257.8
117.5°	261.2	266.2	267.8	269.5	274.5	276.1	279.5	279.5
120°	279.5	282.8	284.5	286.1	287.8	289.4	291.1	292.8
122.5°	302.7	301.1	302.7	302.7	304.4	306.1	306.1	307.7
125°	329.4	327.7	326.0	327.7	324.4	322.7	322.7	324.4
127.5°	366.0	359.3	356.0	352.7	351.0	349.3	347.7	346.0
130°	412.5	402.6	395.9	394.2	385.9	380.9	377.6	379.3
132.5°	474.1	459.1	452.5	449.1	434.2	425.8	422.5	422.5
135°	535.6	519.0	512.3	504.0	494.0	485.7	477.4	477.4
137.5°	593.9	582.2	573.9	565.6	555.6	547.3	539.0	537.3
140°	652.1	638.8	630.5	623.8	615.5	607.2	598.8	603.8
142.5°	712.0	697.0	688.7	687.0	675.4	667.0	662.1	663.7
145°	770.2	755.2	748.6	745.2	735.2	725.3	720.3	717.0
147.5°	828.4	815.1	808.4	805.1	795.1	785.2	780.2	778.5
150°	883.3	871.7	865.0	860.0	853.4	845.0	835.1	835.1
152.5°	936.5	924.9	916.6	916.6	909.9	899.9	890.0	894.9
155°	984.8	974.8	969.8	968.1	961.5	953.2	944.8	948.2
157.5°	1031.3	1019.7	1016.4	1013.0	1009.7	1003.1	994.7	998.1
160°	1076.3	1066.3	1063.0	1059.6	1056.3	1049.6	1041.3	1043.0
162.5°	1119.5	1112.9	1106.2	1104.5	1102.9	1094.6	1086.2	1087.9
165°	1156.1	1149.5	1144.5	1142.8	1142.8	1136.1	1127.8	1129.5
167.5°	1191.0	1182.7	1179.4	1176.1	1177.7	1172.7	1166.1	1169.4
170°	1222.6	1217.7	1214.3	1212.7	1214.3	1207.7	1202.7	1204.3
172.5°	1252.6	1249.3	1245.9	1244.3	1247.6	1242.6	1236.0	1237.6
175°	1279.2	1275.9	1274.2	1272.5	1274.2	1267.6	1264.2	1265.9
177.5°	1304.2	1302.5	1300.8	1299.2	1302.5	1294.2	1287.5	1290.8
180°	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4

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