

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: P303048

Luminaire Tested: **CTW-F-2575-20L930-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-2575-20L930-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
25% UPLIGHT, 75% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

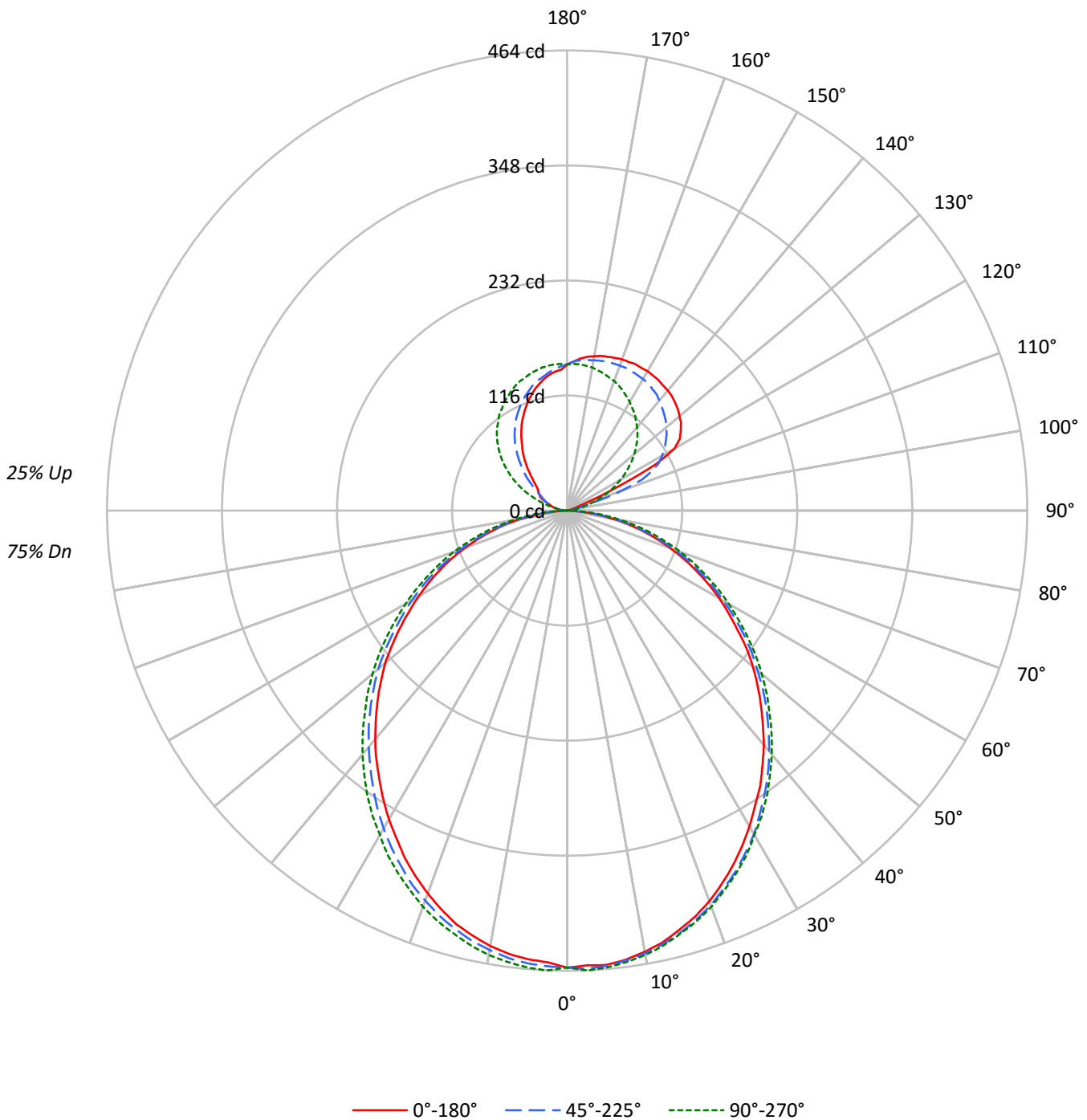
Lumens per Lamp: N/A  
Luminaire Lumens: 1645.5 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 18  
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	103	99	94	91	98	94	90	87	85	82	80	77	75	73	69	68	66	63
2	94	86	79	74	89	82	76	71	74	70	66	67	64	61	61	58	56	52
3	86	76	68	62	81	72	65	59	66	60	55	60	55	51	54	50	47	44
4	78	67	59	52	74	64	56	50	58	52	47	53	48	44	48	44	41	38
5	72	60	51	45	68	57	49	43	52	46	41	48	42	38	43	39	35	33
6	66	54	45	39	63	51	44	38	47	40	36	43	38	33	39	35	31	29
7	61	49	40	34	58	47	39	33	43	36	31	39	34	30	36	31	28	25
8	57	44	36	31	54	42	35	30	39	33	28	36	30	26	33	28	25	23
9	53	41	33	27	51	39	32	27	36	30	25	33	28	24	30	26	22	20
10	50	37	30	25	47	36	29	24	33	27	23	31	25	22	28	24	20	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	9920	9920	9920
5°	9938	9992	9813
10°	9872	9946	9745
15°	9751	9842	9621
20°	9604	9737	9413
25°	9385	9582	9188
30°	9138	9386	8932
35°	8917	9225	8678
40°	8672	9021	8462
45°	8406	8786	8229
50°	8189	8580	8021
55°	7867	8336	7709
60°	7629	8094	7449
65°	7330	7840	7203
70°	6962	7641	6861
75°	6504	7336	6438
80°	5566	6806	5566
85°	3705	5953	3705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.5	2.6
10°-20°	123.2	7.5
20°-30°	182.5	11.1
30°-40°	214.1	13.0
40°-50°	217.0	13.2
50°-60°	192.5	11.7
60°-70°	146.8	8.9
70°-80°	86.8	5.3
80°-90°	22.9	1.4
90°-100°	4.3	0.3
100°-110°	18.4	1.1
110°-120°	51.2	3.1
120°-130°	73.2	4.4
130°-140°	78.8	4.8
140°-150°	74.8	4.5
150°-160°	61.4	3.7
160°-170°	40.3	2.4
170°-180°	14.0	0.8
0°-30°	349.1	21.2
0°-40°	563.2	34.2
0°-60°	972.7	59.1
0°-90°	1229.2	74.7
90°-120°	73.8	4.5
90°-150°	300.6	18.3
90°-180°	416.0	25.3
0°-180°	1645.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	461	461	461	461	461	
5°	460	461	462	458	454	44
15°	438	441	442	437	432	123
25°	395	402	403	396	387	182
35°	339	348	351	341	330	212
45°	276	284	289	280	270	213
55°	210	217	222	214	205	188
65°	144	149	154	147	141	142
75°	78	82	88	82	77	82
85°	15	18	24	18	15	19
90°	0	0	0	1	2	1
95°	1	2	3	6	5	1
105°	5	14	20	14	16	6
115°	53	95	48	26	28	59
125°	140	121	76	42	36	124
135°	154	138	100	66	53	119
145°	160	150	119	92	79	101
155°	163	155	133	114	105	75
165°	160	156	143	131	126	46
175°	154	152	148	143	141	15
180°	147	147	147	147	147	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8
2.5°	459.1	459.1	459.1	459.9	460.8	460.8	460.8	459.9	460.8	463.3	462.4
5°	459.9	459.1	459.1	458.3	459.1	459.1	459.1	458.3	459.1	461.6	460.8
7.5°	456.6	456.6	456.6	455.8	456.6	455.8	455.8	455.0	456.6	458.3	457.5
10°	451.6	450.8	450.8	450.8	451.6	451.6	450.8	450.8	451.6	454.1	453.3
12.5°	445.8	445.8	445.8	445.0	445.8	445.8	445.8	445.0	445.8	448.3	447.5
15°	437.5	438.3	438.3	437.5	439.2	439.2	438.3	438.3	439.2	440.8	440.8
17.5°	429.2	429.2	429.2	429.2	430.8	430.0	430.0	430.0	430.8	432.5	432.5
20°	419.2	419.2	419.2	418.4	420.0	420.0	420.0	420.0	420.9	423.4	423.4
22.5°	407.5	407.5	407.5	407.5	408.4	408.4	408.4	408.4	409.2	411.7	412.5
25°	395.1	395.1	395.1	395.1	395.9	395.9	395.9	396.7	397.6	400.1	401.7
27.5°	381.8	382.6	382.6	382.6	382.6	383.4	383.4	384.3	385.1	386.8	389.2
30°	367.6	367.6	368.5	368.5	369.3	369.3	369.3	370.1	371.8	373.4	376.8
32.5°	352.7	353.5	354.3	354.3	355.1	355.1	356.0	356.0	357.6	358.5	361.8
35°	339.3	339.3	338.5	340.2	340.2	340.2	341.0	341.8	341.8	343.5	347.7
37.5°	323.5	324.4	323.5	325.2	326.0	325.2	326.0	326.9	327.7	328.5	332.7
40°	308.6	308.6	308.6	309.4	310.2	310.2	310.2	311.1	312.7	314.4	316.9
42.5°	291.9	292.8	292.8	293.6	294.4	293.6	294.4	296.1	296.9	298.6	300.3
45°	276.1	277.0	276.1	277.8	278.6	278.6	278.6	280.3	281.1	282.0	284.5
47.5°	260.3	261.2	260.3	261.2	262.8	262.8	262.8	263.7	265.3	266.2	267.8
50°	244.5	244.5	244.5	245.4	246.2	247.0	247.0	247.0	248.7	249.5	250.4
52.5°	227.9	227.9	227.9	229.6	229.6	229.6	230.4	231.2	232.1	233.7	234.5
55°	209.6	209.6	209.6	210.4	211.3	211.3	212.1	212.9	213.8	214.6	217.1
57.5°	193.0	193.8	193.0	193.8	194.6	194.6	196.3	196.3	197.1	198.0	199.6
60°	177.2	177.2	177.2	177.2	178.0	178.0	178.0	178.8	180.5	181.3	182.1
62.5°	160.5	160.5	160.5	161.4	161.4	161.4	162.2	163.0	163.9	164.7	165.5
65°	143.9	143.9	143.9	144.7	144.7	144.7	144.7	146.4	147.2	148.0	148.9
67.5°	127.3	127.3	127.3	128.1	128.1	128.1	128.9	129.7	130.6	131.4	132.2
70°	110.6	111.5	110.6	111.5	111.5	111.5	112.3	113.1	113.1	114.8	114.8
72.5°	94.0	94.0	94.0	94.8	94.8	95.6	95.6	96.5	96.5	97.3	98.1
75°	78.2	77.4	78.2	79.0	78.2	78.2	79.0	79.8	80.7	81.5	81.5
77.5°	61.5	61.5	61.5	62.4	63.2	62.4	63.2	64.0	64.0	65.7	64.9
80°	44.9	44.9	45.7	46.6	46.6	46.6	46.6	47.4	48.2	49.1	49.1
82.5°	29.1	29.9	29.9	30.8	30.8	30.8	31.6	31.6	32.4	33.3	33.3
85°	15.0	15.8	15.0	15.8	15.8	16.6	16.6	16.6	17.5	18.3	18.3
87.5°	3.3	2.5	2.5	3.3	2.5	3.3	3.3	3.3	3.3	4.2	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
95°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
97.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
100°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.3	3.3	3.3	4.2
102.5°	3.3	3.3	3.3	3.3	4.2	4.2	4.2	4.2	5.0	5.8	6.7
105°	5.0	5.0	5.0	5.0	5.0	5.0	5.8	6.7	7.5	10.0	14.1
107.5°	6.7	6.7	6.7	7.5	7.5	8.3	8.3	10.8	15.0	20.8	31.6
110°	10.0	10.8	10.8	12.5	14.1	15.8	17.5	24.1	33.3	46.6	57.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	20.8	22.5	23.3	28.3	34.9	39.1	42.4	54.9	68.2	76.5	81.5
115°	53.2	55.7	59.1	66.5	75.7	79.8	83.2	90.7	95.6	96.5	94.8
117.5°	99.8	100.6	102.3	106.5	109.0	109.8	109.8	110.6	109.8	107.3	104.0
120°	124.8	124.8	123.9	123.9	123.1	123.1	122.3	119.8	117.3	114.8	110.6
122.5°	134.7	133.9	133.1	132.2	131.4	129.7	128.9	126.4	123.9	120.6	116.4
125°	139.7	139.7	138.9	138.1	136.4	135.6	133.9	131.4	128.9	125.6	121.4
127.5°	144.7	143.9	143.1	142.2	140.6	139.7	138.9	136.4	133.1	129.7	126.4
130°	148.0	148.0	147.2	146.4	144.7	143.9	142.2	140.6	137.2	133.9	130.6
132.5°	151.4	151.4	150.5	149.7	148.0	147.2	146.4	143.9	140.6	138.1	134.7
135°	153.9	153.9	153.0	152.2	150.5	149.7	148.9	147.2	143.9	141.4	138.1
137.5°	156.4	155.5	154.7	154.7	153.0	152.2	151.4	149.7	146.4	143.9	141.4
140°	158.0	157.2	157.2	156.4	154.7	154.7	153.9	151.4	149.7	147.2	144.7
142.5°	158.9	158.9	158.9	158.0	156.4	156.4	155.5	153.9	151.4	149.7	148.0
145°	160.5	159.7	159.7	158.9	158.0	158.0	157.2	155.5	153.0	151.4	149.7
147.5°	161.4	161.4	160.5	160.5	159.7	158.9	158.9	157.2	154.7	153.0	152.2
150°	162.2	162.2	161.4	161.4	160.5	159.7	159.7	158.0	155.5	154.7	153.0
152.5°	162.2	162.2	162.2	161.4	161.4	160.5	159.7	158.0	157.2	155.5	153.9
155°	163.0	163.0	162.2	162.2	161.4	160.5	159.7	158.9	157.2	156.4	154.7
157.5°	162.2	163.0	162.2	161.4	161.4	160.5	159.7	158.9	157.2	157.2	155.5
160°	162.2	162.2	162.2	161.4	161.4	160.5	159.7	158.9	158.0	157.2	155.5
162.5°	161.4	161.4	161.4	161.4	160.5	160.5	159.7	158.0	157.2	157.2	155.5
165°	160.5	161.4	160.5	160.5	159.7	159.7	158.9	158.0	157.2	157.2	155.5
167.5°	159.7	159.7	158.9	158.9	158.0	158.0	157.2	156.4	156.4	156.4	154.7
170°	158.0	158.0	157.2	157.2	157.2	156.4	156.4	155.5	155.5	155.5	153.9
172.5°	156.4	156.4	155.5	155.5	155.5	154.7	154.7	153.9	153.9	153.9	153.0
175°	153.9	153.9	153.0	153.0	153.0	153.0	153.0	152.2	152.2	153.0	152.2
177.5°	150.5	149.7	150.5	150.5	150.5	150.5	150.5	149.7	150.5	150.5	150.5
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8
2.5°	459.1	458.3	457.5	459.1	459.9	460.8	461.6	463.3	464.1	464.1	463.3
5°	457.5	456.6	455.8	457.5	458.3	458.3	459.1	461.6	461.6	462.4	461.6
7.5°	454.1	453.3	453.3	454.1	455.0	455.8	456.6	458.3	459.1	459.1	458.3
10°	450.0	449.1	449.1	450.0	450.8	451.6	451.6	453.3	454.1	455.0	454.1
12.5°	445.0	443.3	443.3	444.1	445.0	445.8	446.6	448.3	449.1	449.1	448.3
15°	437.5	435.8	435.8	437.5	438.3	439.2	439.2	440.8	441.6	441.6	441.6
17.5°	430.0	428.3	428.3	429.2	430.0	430.8	430.8	433.3	433.3	434.2	433.3
20°	420.9	419.2	419.2	420.0	420.9	421.7	421.7	423.4	424.2	425.0	424.2
22.5°	410.0	409.2	409.2	410.0	410.9	411.7	411.7	413.4	414.2	414.2	414.2
25°	399.2	397.6	397.6	398.4	399.2	400.1	400.9	402.6	403.4	403.4	402.6
27.5°	387.6	385.9	385.1	385.9	387.6	388.4	389.2	390.9	391.7	391.7	390.9
30°	375.1	372.6	371.8	373.4	375.1	375.9	375.9	377.6	378.4	377.6	377.6
32.5°	361.0	360.1	358.5	359.3	361.0	361.8	362.6	364.3	365.1	365.1	363.5
35°	347.7	346.0	345.2	345.2	346.8	347.7	348.5	349.3	350.2	351.0	350.2
37.5°	333.5	331.9	331.0	331.9	332.7	333.5	334.4	335.2	336.0	336.0	335.2
40°	318.6	316.9	316.1	316.9	316.9	317.7	319.4	320.2	321.9	321.0	319.4
42.5°	302.7	301.1	301.1	300.3	301.9	303.6	303.6	304.4	306.1	305.2	304.4
45°	286.9	286.1	285.3	286.1	285.3	286.9	288.6	288.6	289.4	288.6	288.6
47.5°	270.3	269.5	269.5	270.3	270.3	270.3	272.0	272.8	272.8	272.8	272.8
50°	253.7	252.8	253.7	254.5	254.5	254.5	255.3	256.2	256.2	256.2	255.3
52.5°	236.2	237.9	237.0	237.9	237.9	238.7	239.5	239.5	240.4	239.5	238.7
55°	217.9	219.6	220.4	221.2	222.1	221.2	222.1	222.9	223.7	222.1	222.1
57.5°	200.4	201.3	202.1	202.9	203.8	202.9	203.8	204.6	203.8	204.6	203.8
60°	183.8	184.6	184.6	186.3	187.1	186.3	187.1	188.0	188.0	188.0	187.1
62.5°	168.0	168.0	168.0	170.5	169.7	169.7	170.5	171.3	171.3	171.3	170.5
65°	150.5	151.4	151.4	152.2	153.0	153.0	153.0	153.9	154.7	153.9	153.9
67.5°	132.2	134.7	133.9	134.7	135.6	136.4	137.2	137.2	137.2	138.1	137.2
70°	116.4	117.3	117.3	118.9	119.8	119.8	120.6	120.6	121.4	121.4	120.6
72.5°	99.8	100.6	101.5	102.3	102.3	103.1	103.1	103.1	104.8	104.0	104.0
75°	83.2	84.0	84.8	85.7	85.7	86.5	86.5	86.5	87.3	88.2	87.3
77.5°	66.5	67.4	68.2	69.0	69.0	69.9	70.7	69.9	70.7	71.5	70.7
80°	50.7	51.6	51.6	52.4	53.2	53.2	54.1	54.1	54.1	54.9	54.1
82.5°	34.9	35.8	35.8	37.4	37.4	38.3	38.3	38.3	38.3	39.1	38.3
85°	20.0	20.8	20.8	21.6	22.5	22.5	23.3	23.3	23.3	24.1	23.3
87.5°	5.8	6.7	6.7	7.5	8.3	8.3	9.1	9.1	9.1	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
92.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	0.8	1.7
95°	1.7	1.7	2.5	3.3	3.3	4.2	5.0	5.0	4.2	3.3	3.3
97.5°	2.5	3.3	5.0	7.5	8.3	9.1	10.0	9.1	7.5	5.8	5.8
100°	5.0	7.5	10.8	14.1	15.8	16.6	16.6	14.1	11.6	10.0	8.3
102.5°	10.0	15.0	20.8	25.0	25.8	25.8	24.1	20.8	17.5	14.1	12.5
105°	20.8	29.9	35.8	37.4	36.6	35.8	32.4	28.3	24.1	20.0	17.5
107.5°	41.6	49.9	50.7	49.1	47.4	45.7	40.8	35.8	30.8	26.6	23.3
110°	64.0	65.7	64.0	59.1	57.4	54.1	49.1	44.1	38.3	33.3	29.9





TEST NUMBER: P303048

CATALOG NUMBER: CTW-F-2575-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	80.7	77.4	73.2	68.2	65.7	63.2	57.4	52.4	45.7	40.8	36.6
115°	91.5	86.5	81.5	76.5	73.2	70.7	64.9	59.9	53.2	48.2	43.2
117.5°	99.0	94.0	89.0	84.0	80.7	78.2	73.2	66.5	60.7	54.9	50.7
120°	105.6	101.5	95.6	90.7	88.2	85.7	79.8	74.0	67.4	62.4	57.4
122.5°	112.3	107.3	102.3	97.3	94.8	92.3	86.5	79.8	74.9	69.0	64.0
125°	117.3	113.1	108.1	103.1	100.6	98.1	92.3	86.5	80.7	75.7	70.7
127.5°	122.3	118.1	113.1	108.1	105.6	103.1	97.3	92.3	87.3	82.3	77.4
130°	127.3	123.1	118.1	113.1	110.6	108.1	103.1	98.1	93.2	88.2	83.2
132.5°	132.2	127.3	123.1	118.1	115.6	113.1	108.1	103.1	99.0	94.0	89.8
135°	135.6	131.4	126.4	122.3	119.8	117.3	113.1	108.1	104.0	99.8	95.6
137.5°	138.9	134.7	129.7	125.6	123.1	121.4	117.3	113.1	109.0	104.8	100.6
140°	141.4	137.2	133.1	128.9	126.4	125.6	121.4	117.3	113.9	109.8	105.6
142.5°	143.9	139.7	135.6	131.4	129.7	128.9	124.8	121.4	118.1	113.9	110.6
145°	146.4	142.2	138.1	134.7	133.1	131.4	128.1	124.8	122.3	118.9	114.8
147.5°	148.0	143.9	140.6	137.2	135.6	134.7	131.4	128.9	125.6	122.3	118.9
150°	149.7	145.6	143.1	139.7	138.9	137.2	133.9	131.4	128.9	126.4	123.1
152.5°	151.4	147.2	144.7	142.2	141.4	139.7	137.2	134.7	133.1	129.7	127.3
155°	151.4	148.9	146.4	143.9	143.1	142.2	139.7	138.1	135.6	133.1	130.6
157.5°	152.2	149.7	147.2	145.6	144.7	143.9	141.4	140.6	138.1	136.4	133.1
160°	153.0	150.5	148.0	147.2	146.4	145.6	143.9	142.2	140.6	138.9	136.4
162.5°	153.0	151.4	148.9	148.0	147.2	147.2	144.7	143.9	142.2	140.6	138.9
165°	153.0	151.4	149.7	148.9	148.9	148.0	146.4	145.6	143.9	143.1	141.4
167.5°	153.0	151.4	150.5	149.7	149.7	148.9	147.2	147.2	145.6	144.7	143.1
170°	152.2	151.4	150.5	149.7	149.7	149.7	148.0	148.0	147.2	146.4	144.7
172.5°	151.4	150.5	149.7	149.7	149.7	148.9	148.0	148.0	148.0	147.2	146.4
175°	150.5	149.7	148.9	148.9	148.9	148.9	148.0	148.0	148.0	148.0	147.2
177.5°	148.9	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2



TEST NUMBER: P303048

CATALOG NUMBER: CTW-F-2575-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8
2.5°	460.8	458.3	458.3	458.3	459.1	459.9	459.9	458.3	459.9	462.4	459.9
5°	458.3	455.8	455.8	456.6	456.6	457.5	457.5	455.8	458.3	459.9	457.5
7.5°	455.8	453.3	452.5	453.3	453.3	455.0	454.1	452.5	455.0	455.8	454.1
10°	450.8	448.3	448.3	448.3	449.1	450.0	449.1	447.5	450.0	450.8	449.1
12.5°	445.0	441.6	442.5	442.5	443.3	443.3	442.5	441.6	444.1	445.0	442.5
15°	437.5	435.0	435.0	435.0	435.8	436.7	435.8	434.2	436.7	436.7	434.2
17.5°	429.2	427.5	426.7	426.7	427.5	428.3	427.5	425.0	428.3	428.3	426.7
20°	420.0	418.4	417.5	417.5	418.4	418.4	417.5	415.9	418.4	418.4	415.9
22.5°	410.0	407.5	406.7	407.5	408.4	407.5	406.7	405.1	408.4	406.7	405.1
25°	398.4	397.6	395.9	396.7	396.7	396.7	395.1	394.2	395.9	394.2	392.6
27.5°	387.6	385.1	384.3	385.1	384.3	384.3	382.6	381.8	383.4	381.8	380.1
30°	374.3	371.8	371.8	371.8	371.8	371.0	369.3	369.3	370.1	369.3	366.8
32.5°	361.0	358.5	357.6	359.3	358.5	357.6	356.0	356.0	356.0	354.3	351.8
35°	346.8	344.3	344.3	345.2	344.3	343.5	341.8	341.8	341.0	339.3	337.7
37.5°	331.9	330.2	329.4	331.0	330.2	329.4	326.9	327.7	326.0	325.2	323.5
40°	316.9	315.2	314.4	316.1	316.1	313.6	312.7	312.7	311.1	309.4	307.7
42.5°	301.1	299.4	300.3	301.1	301.1	297.8	297.8	296.9	296.1	294.4	292.8
45°	286.1	284.5	284.5	286.1	285.3	282.8	282.8	281.1	280.3	278.6	276.1
47.5°	270.3	268.6	269.5	269.5	269.5	267.0	267.0	265.3	264.5	262.8	261.2
50°	253.7	252.8	253.7	252.8	253.7	251.2	251.2	249.5	248.7	247.0	244.5
52.5°	237.0	237.0	237.0	237.9	237.0	234.5	234.5	232.9	231.2	230.4	228.7
55°	219.6	220.4	220.4	220.4	220.4	217.1	216.2	214.6	213.8	212.1	210.4
57.5°	202.1	202.9	202.1	202.1	202.1	200.4	199.6	198.8	197.1	195.5	194.6
60°	186.3	186.3	185.5	185.5	185.5	183.8	183.0	182.1	180.5	178.8	178.8
62.5°	169.7	169.7	168.8	168.8	168.0	167.2	166.3	165.5	163.9	163.0	162.2
65°	153.0	153.0	152.2	151.4	151.4	150.5	149.7	148.0	147.2	145.6	145.6
67.5°	137.2	136.4	135.6	135.6	135.6	133.9	133.1	131.4	130.6	129.7	129.7
70°	120.6	119.8	118.9	118.9	118.9	117.3	116.4	114.8	113.9	113.1	113.1
72.5°	104.0	103.1	103.1	102.3	101.5	100.6	99.8	99.0	97.3	97.3	96.5
75°	87.3	86.5	85.7	85.7	84.8	84.0	83.2	81.5	81.5	81.5	80.7
77.5°	70.7	69.9	69.9	69.0	69.0	67.4	66.5	67.4	64.9	64.9	64.0
80°	54.1	53.2	54.1	52.4	52.4	51.6	50.7	50.7	49.1	49.1	48.2
82.5°	38.3	37.4	38.3	37.4	36.6	35.8	35.8	34.9	33.3	33.3	32.4
85°	23.3	22.5	23.3	22.5	21.6	20.8	20.0	20.0	18.3	17.5	17.5
87.5°	10.0	8.3	8.3	7.5	7.5	6.7	6.7	6.7	5.0	5.0	4.2
90°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
92.5°	1.7	2.5	2.5	2.5	3.3	3.3	3.3	2.5	2.5	2.5	2.5
95°	3.3	4.2	5.0	5.0	5.0	5.8	5.8	5.8	5.8	5.0	5.0
97.5°	5.0	5.8	5.8	6.7	6.7	7.5	8.3	8.3	8.3	8.3	8.3
100°	8.3	7.5	8.3	9.1	9.1	9.1	9.1	10.0	10.0	10.8	10.8
102.5°	11.6	10.8	10.8	10.8	10.8	11.6	11.6	11.6	11.6	12.5	12.5
105°	15.8	14.1	13.3	13.3	13.3	14.1	15.0	15.0	14.1	14.1	14.1
107.5°	20.8	18.3	16.6	16.6	16.6	16.6	16.6	17.5	18.3	17.5	17.5
110°	26.6	23.3	21.6	20.8	20.0	19.1	19.1	20.0	20.8	21.6	21.6



TEST NUMBER: P303048

CATALOG NUMBER: CTW-F-2575-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	32.4	29.1	26.6	25.8	24.1	23.3	22.5	22.5	23.3	24.1	24.1
115°	39.1	35.8	31.6	30.8	29.1	27.4	25.8	25.8	25.8	25.8	26.6
117.5°	45.7	41.6	38.3	36.6	34.9	32.4	29.9	29.1	28.3	28.3	29.1
120°	52.4	49.1	44.1	42.4	40.8	38.3	34.9	33.3	31.6	31.6	31.6
122.5°	59.1	55.7	51.6	49.1	47.4	44.1	40.8	38.3	36.6	34.9	34.1
125°	65.7	62.4	58.2	55.7	54.1	49.9	46.6	44.1	41.6	39.9	38.3
127.5°	72.4	68.2	64.9	63.2	60.7	56.6	53.2	50.7	47.4	44.9	43.2
130°	78.2	74.9	71.5	69.0	67.4	63.2	59.9	56.6	54.1	51.6	49.1
132.5°	84.8	80.7	77.4	75.7	74.0	69.9	66.5	63.2	60.7	58.2	55.7
135°	90.7	86.5	83.2	81.5	79.8	76.5	72.4	69.9	66.5	64.9	62.4
137.5°	95.6	92.3	89.0	87.3	85.7	82.3	79.0	76.5	73.2	70.7	68.2
140°	101.5	97.3	94.8	93.2	91.5	88.2	85.7	83.2	79.8	77.4	74.9
142.5°	106.5	103.1	99.8	98.1	97.3	94.0	90.7	89.0	86.5	84.0	81.5
145°	110.6	107.3	104.8	103.1	101.5	99.0	96.5	94.8	92.3	89.8	87.3
147.5°	114.8	111.5	109.0	108.1	106.5	104.0	101.5	99.8	98.1	96.5	94.0
150°	118.9	115.6	113.9	113.1	111.5	109.8	106.5	105.6	104.0	101.5	99.8
152.5°	123.1	120.6	118.1	117.3	116.4	113.9	111.5	109.8	109.0	106.5	104.8
155°	127.3	123.9	122.3	121.4	120.6	118.9	116.4	114.8	113.9	112.3	110.6
157.5°	129.7	127.3	125.6	124.8	123.9	122.3	120.6	118.9	118.9	116.4	115.6
160°	133.1	130.6	128.9	128.1	128.1	126.4	124.8	123.1	123.1	121.4	120.6
162.5°	135.6	133.9	132.2	132.2	131.4	129.7	128.9	127.3	127.3	126.4	124.8
165°	138.9	136.4	135.6	134.7	134.7	133.9	132.2	130.6	131.4	130.6	128.9
167.5°	140.6	138.9	138.1	138.1	137.2	136.4	135.6	133.9	134.7	133.9	133.1
170°	143.1	140.6	140.6	139.7	139.7	139.7	138.9	137.2	137.2	137.2	136.4
172.5°	143.9	142.2	142.2	142.2	142.2	141.4	141.4	139.7	140.6	140.6	139.7
175°	145.6	143.9	143.9	143.9	143.9	143.9	143.1	142.2	143.1	143.1	142.2
177.5°	146.4	145.6	145.6	145.6	145.6	145.6	145.6	144.7	145.6	146.4	144.7
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2



TEST NUMBER: P303048

CATALOG NUMBER: CTW-F-2575-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	460.8	460.8	460.8	460.8	460.8	460.8	460.8	460.8
2.5°	459.9	459.9	459.1	459.1	459.9	457.5	455.8	455.8
5°	457.5	456.6	456.6	456.6	457.5	455.8	454.1	454.1
7.5°	454.1	453.3	452.5	453.3	454.1	452.5	450.8	450.8
10°	449.1	448.3	447.5	447.5	448.3	446.6	445.8	445.8
12.5°	442.5	440.8	440.0	440.8	441.6	440.0	439.2	439.2
15°	434.2	433.3	433.3	433.3	434.2	432.5	430.8	431.7
17.5°	425.8	425.0	424.2	425.0	425.0	423.4	421.7	421.7
20°	415.0	414.2	413.4	414.2	414.2	412.5	410.9	410.9
22.5°	403.4	402.6	401.7	402.6	402.6	400.9	399.2	399.2
25°	390.9	389.2	389.2	390.1	389.2	388.4	386.8	386.8
27.5°	378.4	376.8	376.8	377.6	376.8	374.3	373.4	372.6
30°	365.1	362.6	362.6	363.5	362.6	360.1	359.3	359.3
32.5°	350.2	348.5	349.3	349.3	348.5	346.0	345.2	345.2
35°	336.0	334.4	335.2	335.2	333.5	331.9	331.0	330.2
37.5°	321.0	320.2	321.0	320.2	319.4	316.9	316.1	316.1
40°	305.2	305.2	306.1	304.4	303.6	301.9	300.3	301.1
42.5°	290.3	289.4	290.3	289.4	288.6	286.9	285.3	285.3
45°	274.5	274.5	273.6	273.6	272.8	271.1	269.5	270.3
47.5°	258.7	258.7	258.7	257.8	257.0	255.3	254.5	254.5
50°	242.9	242.9	242.0	242.0	240.4	238.7	238.7	239.5
52.5°	227.1	226.2	226.2	225.4	225.4	223.7	222.1	222.1
55°	209.6	208.8	207.9	207.9	207.1	206.3	204.6	205.4
57.5°	193.8	192.1	193.0	191.3	191.3	189.6	188.8	188.8
60°	177.2	176.3	176.3	175.5	174.7	173.8	173.0	173.0
62.5°	161.4	159.7	159.7	158.9	158.9	158.0	157.2	157.2
65°	144.7	143.1	143.1	142.2	143.1	141.4	141.4	141.4
67.5°	128.1	127.3	127.3	126.4	126.4	125.6	124.8	125.6
70°	112.3	111.5	110.6	109.8	110.6	109.8	109.8	109.0
72.5°	95.6	94.8	94.8	94.8	94.0	93.2	93.2	93.2
75°	79.8	79.0	79.0	78.2	78.2	77.4	76.5	77.4
77.5°	64.0	63.2	62.4	62.4	62.4	61.5	62.4	61.5
80°	48.2	46.6	46.6	46.6	46.6	45.7	46.6	44.9
82.5°	32.4	30.8	30.8	30.8	29.9	29.9	29.9	29.1
85°	16.6	16.6	16.6	15.8	15.8	15.8	15.8	15.0
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
92.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
95°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
97.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
100°	10.8	10.8	10.8	10.8	11.6	10.8	10.8	10.8
102.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
105°	15.0	15.0	15.0	15.0	15.8	15.8	15.8	15.8
107.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
110°	21.6	20.8	20.8	20.8	20.0	20.0	20.0	20.0



TEST NUMBER: P303048

CATALOG NUMBER: CTW-F-2575-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	25.0	25.0	25.0	25.0	25.0	25.0	24.1	24.1
115°	27.4	27.4	28.3	28.3	28.3	28.3	28.3	28.3
117.5°	29.1	29.9	29.9	29.9	30.8	30.8	30.8	30.8
120°	31.6	31.6	31.6	31.6	32.4	32.4	32.4	32.4
122.5°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
125°	37.4	36.6	36.6	36.6	36.6	36.6	35.8	35.8
127.5°	41.6	40.8	39.9	39.9	39.1	39.1	38.3	38.3
130°	46.6	45.7	44.9	44.1	43.2	43.2	42.4	42.4
132.5°	53.2	51.6	50.7	49.9	49.1	48.2	47.4	47.4
135°	59.9	58.2	57.4	56.6	54.9	54.1	53.2	53.2
137.5°	66.5	64.9	64.0	63.2	61.5	60.7	59.9	59.9
140°	73.2	71.5	70.7	69.9	68.2	67.4	66.5	66.5
142.5°	79.0	77.4	77.4	76.5	74.9	74.0	73.2	73.2
145°	85.7	84.0	83.2	83.2	81.5	79.8	79.8	79.0
147.5°	91.5	90.7	89.8	89.0	88.2	86.5	86.5	85.7
150°	98.1	96.5	95.6	95.6	94.0	93.2	92.3	92.3
152.5°	104.0	102.3	101.5	101.5	100.6	99.8	99.0	99.0
155°	109.0	107.3	107.3	107.3	106.5	105.6	104.8	104.8
157.5°	113.9	113.1	112.3	112.3	112.3	110.6	110.6	110.6
160°	118.9	118.1	118.1	118.1	117.3	116.4	116.4	116.4
162.5°	123.9	123.1	123.1	123.1	122.3	121.4	121.4	121.4
165°	128.1	127.3	127.3	127.3	127.3	126.4	126.4	126.4
167.5°	132.2	131.4	131.4	131.4	131.4	130.6	130.6	130.6
170°	135.6	135.6	134.7	134.7	134.7	134.7	133.9	134.7
172.5°	138.9	138.9	138.1	138.1	138.9	138.1	137.2	138.1
175°	142.2	142.2	141.4	141.4	141.4	140.6	139.7	140.6
177.5°	145.6	144.7	144.7	144.7	144.7	143.9	142.2	142.2
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2

(END OF REPORT)