

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: P303050

Luminaire Tested: **CTW-F-2575-20L940-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303050  
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-2575-20L940-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
25% UPLIGHT, 75% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

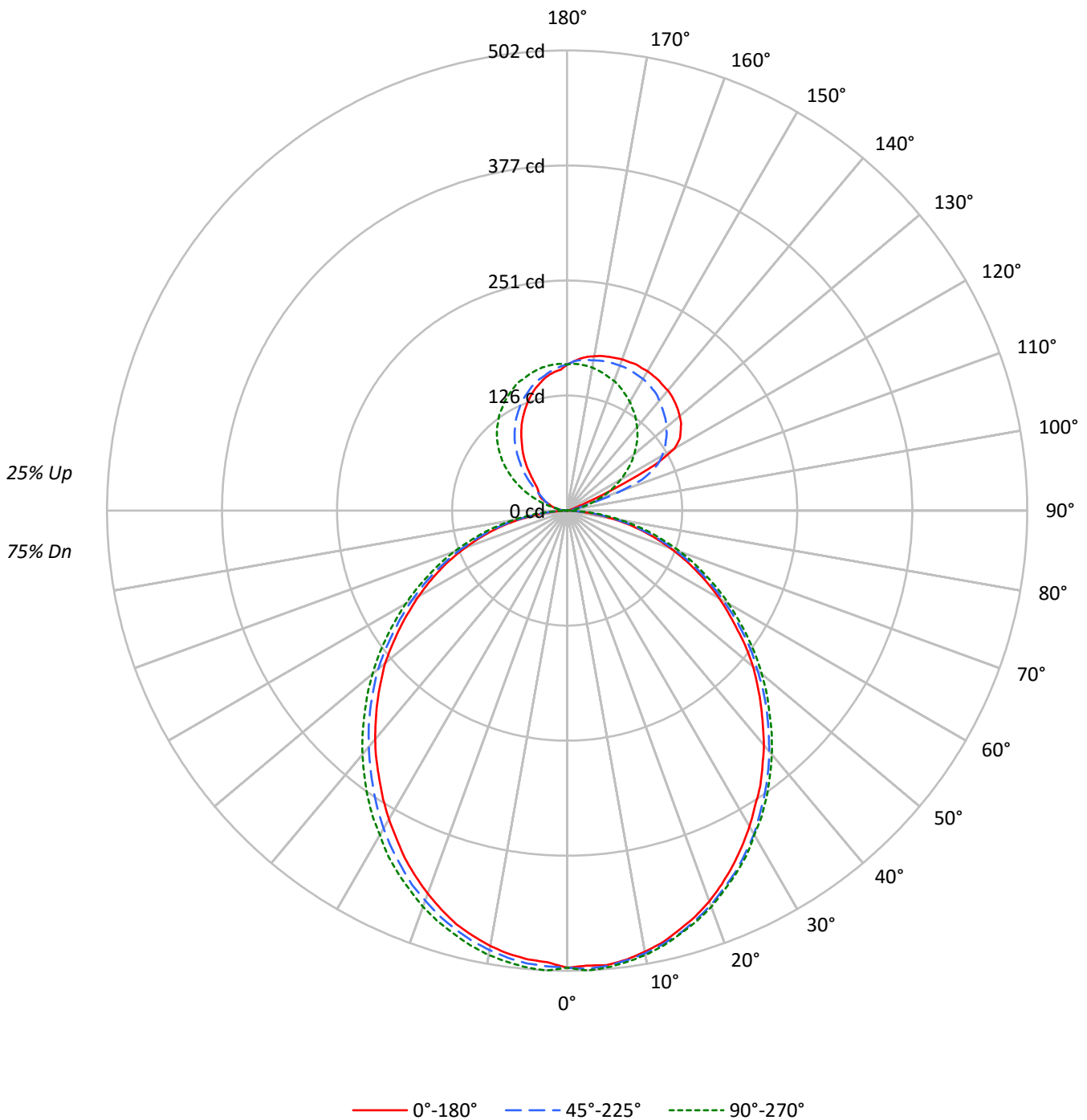
Lumens per Lamp: N/A  
Luminaire Lumens: 1780.6 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Direct

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°	10734	10734	10734
5°	10755	10814	10619
10°	10683	10762	10545
15°	10551	10651	10410
20°	10392	10536	10186
25°	10155	10368	9941
30°	9889	10157	9665
35°	9650	9981	9390
40°	9383	9763	9156
45°	9097	9508	8905
50°	8862	9284	8681
55°	8512	9019	8344
60°	8254	8758	8060
65°	7931	8481	7794
70°	7534	8271	7421
75°	7037	7935	6962
80°	6025	7364	6025
85°	4001	6447	4001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	2.6
10°-20°	133.3	7.5
20°-30°	197.4	11.1
30°-40°	231.6	13.0
40°-50°	234.8	13.2
50°-60°	208.3	11.7
60°-70°	158.8	8.9
70°-80°	94.0	5.3
80°-90°	24.8	1.4
90°-100°	4.6	0.3
100°-110°	19.9	1.1
110°-120°	55.4	3.1
120°-130°	79.2	4.4
130°-140°	85.2	4.8
140°-150°	81.0	4.5
150°-160°	66.5	3.7
160°-170°	43.6	2.4
170°-180°	15.1	0.8
0°-30°	377.8	21.2
0°-40°	609.4	34.2
0°-60°	1052.5	59.1
0°-90°	1330.1	74.7
90°-120°	79.9	4.5
90°-150°	325.3	18.3
90°-180°	450.0	25.3
0°-180°	1780.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	499	499	499	499	499	
5°	498	499	500	496	491	47
15°	473	477	478	472	467	134
25°	428	435	436	428	418	197
35°	367	376	380	369	357	229
45°	299	308	312	303	292	231
55°	227	235	240	231	222	204
65°	156	161	166	159	153	154
75°	85	88	95	88	84	89
85°	16	20	26	20	16	20
90°	0	0	0	1	2	1
95°	1	2	4	6	5	1
105°	5	15	22	15	17	6
115°	58	103	52	28	31	64
125°	151	131	82	45	39	135
135°	166	149	108	72	58	129
145°	174	162	129	100	86	109
155°	176	167	144	123	113	81
165°	174	168	155	142	137	49
175°	166	165	160	155	152	16
180°	159	159	159	159	159	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6
2.5°	496.8	496.8	496.8	497.7	498.6	498.6	498.6	497.7	498.6	501.3	500.4
5°	497.7	496.8	496.8	495.9	496.8	496.8	496.8	495.9	496.8	499.5	498.6
7.5°	494.1	494.1	494.1	493.2	494.1	493.2	493.2	492.3	494.1	495.9	495.0
10°	488.7	487.8	487.8	487.8	488.7	488.7	487.8	487.8	488.7	491.4	490.5
12.5°	482.4	482.4	482.4	481.5	482.4	482.4	482.4	481.5	482.4	485.1	484.2
15°	473.4	474.3	474.3	473.4	475.2	475.2	474.3	474.3	475.2	477.0	477.0
17.5°	464.4	464.4	464.4	464.4	466.2	465.3	465.3	465.3	466.2	468.0	468.0
20°	453.6	453.6	453.6	452.7	454.5	454.5	454.5	454.5	455.4	458.1	458.1
22.5°	441.0	441.0	441.0	441.0	441.9	441.9	441.9	441.9	442.8	445.5	446.4
25°	427.5	427.5	427.5	427.5	428.4	428.4	428.4	429.3	430.2	432.9	434.7
27.5°	413.1	414.0	414.0	414.0	414.0	414.9	414.9	415.8	416.7	418.5	421.2
30°	397.8	397.8	398.7	398.7	399.6	399.6	399.6	400.5	402.3	404.1	407.7
32.5°	381.6	382.5	383.4	383.4	384.3	384.3	385.2	385.2	387.0	387.9	391.5
35°	367.2	367.2	366.3	368.1	368.1	368.1	369.0	369.9	369.9	371.7	376.2
37.5°	350.1	351.0	350.1	351.9	352.8	351.9	352.8	353.7	354.6	355.5	360.0
40°	333.9	333.9	333.9	334.8	335.7	335.7	335.7	336.6	338.4	340.2	342.9
42.5°	315.9	316.8	316.8	317.7	318.6	317.7	318.6	320.4	321.3	323.1	324.9
45°	298.8	299.7	298.8	300.6	301.5	301.5	301.5	303.3	304.2	305.1	307.8
47.5°	281.7	282.6	281.7	282.6	284.4	284.4	284.4	285.3	287.1	288.0	289.8
50°	264.6	264.6	264.6	265.5	266.4	267.3	267.3	267.3	269.1	270.0	270.9
52.5°	246.6	246.6	246.6	248.4	248.4	248.4	249.3	250.2	251.1	252.9	253.8
55°	226.8	226.8	226.8	227.7	228.6	228.6	229.5	230.4	231.3	232.2	234.9
57.5°	208.8	209.7	208.8	209.7	210.6	210.6	212.4	212.4	213.3	214.2	216.0
60°	191.7	191.7	191.7	191.7	192.6	192.6	192.6	193.5	195.3	196.2	197.1
62.5°	173.7	173.7	173.7	174.6	174.6	174.6	175.5	176.4	177.3	178.2	179.1
65°	155.7	155.7	155.7	156.6	156.6	156.6	156.6	158.4	159.3	160.2	161.1
67.5°	137.7	137.7	137.7	138.6	138.6	138.6	139.5	140.4	141.3	142.2	143.1
70°	119.7	120.6	119.7	120.6	120.6	120.6	121.5	122.4	122.4	124.2	124.2
72.5°	101.7	101.7	101.7	102.6	102.6	103.5	103.5	104.4	104.4	105.3	106.2
75°	84.6	83.7	84.6	85.5	84.6	84.6	85.5	86.4	87.3	88.2	88.2
77.5°	66.6	66.6	66.6	67.5	68.4	67.5	68.4	69.3	69.3	71.1	70.2
80°	48.6	48.6	49.5	50.4	50.4	50.4	50.4	51.3	52.2	53.1	53.1
82.5°	31.5	32.4	32.4	33.3	33.3	33.3	34.2	34.2	35.1	36.0	36.0
85°	16.2	17.1	16.2	17.1	17.1	18.0	18.0	18.0	18.9	19.8	19.8
87.5°	3.6	2.7	2.7	3.6	2.7	3.6	3.6	3.6	3.6	4.5	6.3
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
95°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
97.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
100°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	4.5
102.5°	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5	5.4	6.3	7.2
105°	5.4	5.4	5.4	5.4	5.4	5.4	6.3	7.2	8.1	10.8	15.3
107.5°	7.2	7.2	7.2	8.1	8.1	9.0	9.0	11.7	16.2	22.5	34.2
110°	10.8	11.7	11.7	13.5	15.3	17.1	18.9	26.1	36.0	50.4	62.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	22.5	24.3	25.2	30.6	37.8	42.3	45.9	59.4	73.8	82.8	88.2
115°	57.6	60.3	63.9	72.0	81.9	86.4	90.0	98.1	103.5	104.4	102.6
117.5°	108.0	108.9	110.7	115.2	117.9	118.8	118.8	119.7	118.8	116.1	112.5
120°	135.0	135.0	134.1	134.1	133.2	133.2	132.3	129.6	126.9	124.2	119.7
122.5°	145.8	144.9	144.0	143.1	142.2	140.4	139.5	136.8	134.1	130.5	126.0
125°	151.2	151.2	150.3	149.4	147.6	146.7	144.9	142.2	139.5	135.9	131.4
127.5°	156.6	155.7	154.8	153.9	152.1	151.2	150.3	147.6	144.0	140.4	136.8
130°	160.2	160.2	159.3	158.4	156.6	155.7	153.9	152.1	148.5	144.9	141.3
132.5°	163.8	163.8	162.9	162.0	160.2	159.3	158.4	155.7	152.1	149.4	145.8
135°	166.5	166.5	165.6	164.7	162.9	162.0	161.1	159.3	155.7	153.0	149.4
137.5°	169.2	168.3	167.4	167.4	165.6	164.7	163.8	162.0	158.4	155.7	153.0
140°	171.0	170.1	170.1	169.2	167.4	167.4	166.5	163.8	162.0	159.3	156.6
142.5°	171.9	171.9	171.9	171.0	169.2	169.2	168.3	166.5	163.8	162.0	160.2
145°	173.7	172.8	172.8	171.9	171.0	171.0	170.1	168.3	165.6	163.8	162.0
147.5°	174.6	174.6	173.7	173.7	172.8	171.9	171.9	170.1	167.4	165.6	164.7
150°	175.5	175.5	174.6	174.6	173.7	172.8	172.8	171.0	168.3	167.4	165.6
152.5°	175.5	175.5	175.5	174.6	174.6	173.7	172.8	171.0	170.1	168.3	166.5
155°	176.4	176.4	175.5	175.5	174.6	173.7	172.8	171.9	170.1	169.2	167.4
157.5°	175.5	176.4	175.5	174.6	174.6	173.7	172.8	171.9	170.1	170.1	168.3
160°	175.5	175.5	175.5	174.6	174.6	173.7	172.8	171.9	171.0	170.1	168.3
162.5°	174.6	174.6	174.6	174.6	173.7	173.7	172.8	171.0	170.1	170.1	168.3
165°	173.7	174.6	173.7	173.7	172.8	172.8	171.9	171.0	170.1	170.1	168.3
167.5°	172.8	172.8	171.9	171.9	171.0	171.0	170.1	169.2	169.2	169.2	167.4
170°	171.0	171.0	170.1	170.1	170.1	169.2	169.2	168.3	168.3	168.3	166.5
172.5°	169.2	169.2	168.3	168.3	168.3	167.4	167.4	166.5	166.5	166.5	165.6
175°	166.5	166.5	165.6	165.6	165.6	165.6	165.6	164.7	164.7	165.6	164.7
177.5°	162.9	162.0	162.9	162.9	162.9	162.9	162.9	162.0	162.9	162.9	162.9
180°	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6
2.5°	496.8	495.9	495.0	496.8	497.7	498.6	499.5	501.3	502.2	502.2	501.3
5°	495.0	494.1	493.2	495.0	495.9	495.9	496.8	499.5	499.5	500.4	499.5
7.5°	491.4	490.5	490.5	491.4	492.3	493.2	494.1	495.9	496.8	496.8	495.9
10°	486.9	486.0	486.0	486.9	487.8	488.7	488.7	490.5	491.4	492.3	491.4
12.5°	481.5	479.7	479.7	480.6	481.5	482.4	483.3	485.1	486.0	486.0	485.1
15°	473.4	471.6	471.6	473.4	474.3	475.2	475.2	477.0	477.9	477.9	477.9
17.5°	465.3	463.5	463.5	464.4	465.3	466.2	466.2	468.9	468.9	469.8	468.9
20°	455.4	453.6	453.6	454.5	455.4	456.3	456.3	458.1	459.0	459.9	459.0
22.5°	443.7	442.8	442.8	443.7	444.6	445.5	445.5	447.3	448.2	448.2	448.2
25°	432.0	430.2	430.2	431.1	432.0	432.9	433.8	435.6	436.5	436.5	435.6
27.5°	419.4	417.6	416.7	417.6	419.4	420.3	421.2	423.0	423.9	423.9	423.0
30°	405.9	403.2	402.3	404.1	405.9	406.8	406.8	408.6	409.5	408.6	408.6
32.5°	390.6	389.7	387.9	388.8	390.6	391.5	392.4	394.2	395.1	395.1	393.3
35°	376.2	374.4	373.5	373.5	375.3	376.2	377.1	378.0	378.9	379.8	378.9
37.5°	360.9	359.1	358.2	359.1	360.0	360.9	361.8	362.7	363.6	363.6	362.7
40°	344.7	342.9	342.0	342.9	342.9	343.8	345.6	346.5	348.3	347.4	345.6
42.5°	327.6	325.8	325.8	324.9	326.7	328.5	328.5	329.4	331.2	330.3	329.4
45°	310.5	309.6	308.7	309.6	308.7	310.5	312.3	312.3	313.2	312.3	312.3
47.5°	292.5	291.6	291.6	292.5	292.5	292.5	294.3	295.2	295.2	295.2	295.2
50°	274.5	273.6	274.5	275.4	275.4	275.4	276.3	277.2	277.2	277.2	276.3
52.5°	255.6	257.4	256.5	257.4	257.4	258.3	259.2	259.2	260.1	259.2	258.3
55°	235.8	237.6	238.5	239.4	240.3	239.4	240.3	241.2	242.1	240.3	240.3
57.5°	216.9	217.8	218.7	219.6	220.5	219.6	220.5	221.4	220.5	221.4	220.5
60°	198.9	199.8	199.8	201.6	202.5	201.6	202.5	203.4	203.4	203.4	202.5
62.5°	181.8	181.8	181.8	184.5	183.6	183.6	184.5	185.4	185.4	185.4	184.5
65°	162.9	163.8	163.8	164.7	165.6	165.6	165.6	166.5	167.4	166.5	166.5
67.5°	143.1	145.8	144.9	145.8	146.7	147.6	148.5	148.5	148.5	149.4	148.5
70°	126.0	126.9	126.9	128.7	129.6	129.6	130.5	130.5	131.4	131.4	130.5
72.5°	108.0	108.9	109.8	110.7	110.7	111.6	111.6	111.6	113.4	112.5	112.5
75°	90.0	90.9	91.8	92.7	92.7	93.6	93.6	93.6	94.5	95.4	94.5
77.5°	72.0	72.9	73.8	74.7	74.7	75.6	76.5	75.6	76.5	77.4	76.5
80°	54.9	55.8	55.8	56.7	57.6	57.6	58.5	58.5	58.5	59.4	58.5
82.5°	37.8	38.7	38.7	40.5	40.5	41.4	41.4	41.4	41.4	42.3	41.4
85°	21.6	22.5	22.5	23.4	24.3	24.3	25.2	25.2	25.2	26.1	25.2
87.5°	6.3	7.2	7.2	8.1	9.0	9.0	9.9	9.9	9.9	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
92.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	0.9	1.8
95°	1.8	1.8	2.7	3.6	3.6	4.5	5.4	5.4	4.5	3.6	3.6
97.5°	2.7	3.6	5.4	8.1	9.0	9.9	10.8	9.9	8.1	6.3	6.3
100°	5.4	8.1	11.7	15.3	17.1	18.0	18.0	15.3	12.6	10.8	9.0
102.5°	10.8	16.2	22.5	27.0	27.9	27.9	26.1	22.5	18.9	15.3	13.5
105°	22.5	32.4	38.7	40.5	39.6	38.7	35.1	30.6	26.1	21.6	18.9
107.5°	45.0	54.0	54.9	53.1	51.3	49.5	44.1	38.7	33.3	28.8	25.2
110°	69.3	71.1	69.3	63.9	62.1	58.5	53.1	47.7	41.4	36.0	32.4





TEST NUMBER: P303050

CATALOG NUMBER: CTW-F-2575-20L940-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	87.3	83.7	79.2	73.8	71.1	68.4	62.1	56.7	49.5	44.1	39.6
115°	99.0	93.6	88.2	82.8	79.2	76.5	70.2	64.8	57.6	52.2	46.8
117.5°	107.1	101.7	96.3	90.9	87.3	84.6	79.2	72.0	65.7	59.4	54.9
120°	114.3	109.8	103.5	98.1	95.4	92.7	86.4	80.1	72.9	67.5	62.1
122.5°	121.5	116.1	110.7	105.3	102.6	99.9	93.6	86.4	81.0	74.7	69.3
125°	126.9	122.4	117.0	111.6	108.9	106.2	99.9	93.6	87.3	81.9	76.5
127.5°	132.3	127.8	122.4	117.0	114.3	111.6	105.3	99.9	94.5	89.1	83.7
130°	137.7	133.2	127.8	122.4	119.7	117.0	111.6	106.2	100.8	95.4	90.0
132.5°	143.1	137.7	133.2	127.8	125.1	122.4	117.0	111.6	107.1	101.7	97.2
135°	146.7	142.2	136.8	132.3	129.6	126.9	122.4	117.0	112.5	108.0	103.5
137.5°	150.3	145.8	140.4	135.9	133.2	131.4	126.9	122.4	117.9	113.4	108.9
140°	153.0	148.5	144.0	139.5	136.8	135.9	131.4	126.9	123.3	118.8	114.3
142.5°	155.7	151.2	146.7	142.2	140.4	139.5	135.0	131.4	127.8	123.3	119.7
145°	158.4	153.9	149.4	145.8	144.0	142.2	138.6	135.0	132.3	128.7	124.2
147.5°	160.2	155.7	152.1	148.5	146.7	145.8	142.2	139.5	135.9	132.3	128.7
150°	162.0	157.5	154.8	151.2	150.3	148.5	144.9	142.2	139.5	136.8	133.2
152.5°	163.8	159.3	156.6	153.9	153.0	151.2	148.5	145.8	144.0	140.4	137.7
155°	163.8	161.1	158.4	155.7	154.8	153.9	151.2	149.4	146.7	144.0	141.3
157.5°	164.7	162.0	159.3	157.5	156.6	155.7	153.0	152.1	149.4	147.6	144.0
160°	165.6	162.9	160.2	159.3	158.4	157.5	155.7	153.9	152.1	150.3	147.6
162.5°	165.6	163.8	161.1	160.2	159.3	159.3	156.6	155.7	153.9	152.1	150.3
165°	165.6	163.8	162.0	161.1	161.1	160.2	158.4	157.5	155.7	154.8	153.0
167.5°	165.6	163.8	162.9	162.0	162.0	161.1	159.3	159.3	157.5	156.6	154.8
170°	164.7	163.8	162.9	162.0	162.0	162.0	160.2	160.2	159.3	158.4	156.6
172.5°	163.8	162.9	162.0	162.0	162.0	161.1	160.2	160.2	160.2	159.3	158.4
175°	162.9	162.0	161.1	161.1	161.1	161.1	160.2	160.2	160.2	160.2	159.3
177.5°	161.1	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
180°	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3



TEST NUMBER: P303050

CATALOG NUMBER: CTW-F-2575-20L940-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6
2.5°	498.6	495.9	495.9	495.9	496.8	497.7	497.7	495.9	497.7	500.4	497.7
5°	495.9	493.2	493.2	494.1	494.1	495.0	495.0	493.2	495.9	497.7	495.0
7.5°	493.2	490.5	489.6	490.5	490.5	492.3	491.4	489.6	492.3	493.2	491.4
10°	487.8	485.1	485.1	485.1	486.0	486.9	486.0	484.2	486.9	487.8	486.0
12.5°	481.5	477.9	478.8	478.8	479.7	479.7	478.8	477.9	480.6	481.5	478.8
15°	473.4	470.7	470.7	470.7	471.6	472.5	471.6	469.8	472.5	472.5	469.8
17.5°	464.4	462.6	461.7	461.7	462.6	463.5	462.6	459.9	463.5	463.5	461.7
20°	454.5	452.7	451.8	451.8	452.7	452.7	451.8	450.0	452.7	452.7	450.0
22.5°	443.7	441.0	440.1	441.0	441.9	441.0	440.1	438.3	441.9	440.1	438.3
25°	431.1	430.2	428.4	429.3	429.3	429.3	427.5	426.6	428.4	426.6	424.8
27.5°	419.4	416.7	415.8	416.7	415.8	415.8	414.0	413.1	414.9	413.1	411.3
30°	405.0	402.3	402.3	402.3	402.3	401.4	399.6	399.6	400.5	399.6	396.9
32.5°	390.6	387.9	387.0	388.8	387.9	387.0	385.2	385.2	385.2	383.4	380.7
35°	375.3	372.6	372.6	373.5	372.6	371.7	369.9	369.9	369.0	367.2	365.4
37.5°	359.1	357.3	356.4	358.2	357.3	356.4	353.7	354.6	352.8	351.9	350.1
40°	342.9	341.1	340.2	342.0	342.0	339.3	338.4	338.4	336.6	334.8	333.0
42.5°	325.8	324.0	324.9	325.8	325.8	322.2	322.2	321.3	320.4	318.6	316.8
45°	309.6	307.8	307.8	309.6	308.7	306.0	306.0	304.2	303.3	301.5	298.8
47.5°	292.5	290.7	291.6	291.6	291.6	288.9	288.9	287.1	286.2	284.4	282.6
50°	274.5	273.6	274.5	273.6	274.5	271.8	271.8	270.0	269.1	267.3	264.6
52.5°	256.5	256.5	256.5	257.4	256.5	253.8	253.8	252.0	250.2	249.3	247.5
55°	237.6	238.5	238.5	238.5	238.5	234.9	234.0	232.2	231.3	229.5	227.7
57.5°	218.7	219.6	218.7	218.7	218.7	216.9	216.0	215.1	213.3	211.5	210.6
60°	201.6	201.6	200.7	200.7	200.7	198.9	198.0	197.1	195.3	193.5	193.5
62.5°	183.6	183.6	182.7	182.7	181.8	180.9	180.0	179.1	177.3	176.4	175.5
65°	165.6	165.6	164.7	163.8	163.8	162.9	162.0	160.2	159.3	157.5	157.5
67.5°	148.5	147.6	146.7	146.7	146.7	144.9	144.0	142.2	141.3	140.4	140.4
70°	130.5	129.6	128.7	128.7	128.7	126.9	126.0	124.2	123.3	122.4	122.4
72.5°	112.5	111.6	111.6	110.7	109.8	108.9	108.0	107.1	105.3	105.3	104.4
75°	94.5	93.6	92.7	92.7	91.8	90.9	90.0	88.2	88.2	88.2	87.3
77.5°	76.5	75.6	75.6	74.7	74.7	72.9	72.0	72.9	70.2	70.2	69.3
80°	58.5	57.6	58.5	56.7	56.7	55.8	54.9	54.9	53.1	53.1	52.2
82.5°	41.4	40.5	41.4	40.5	39.6	38.7	38.7	37.8	36.0	36.0	35.1
85°	25.2	24.3	25.2	24.3	23.4	22.5	21.6	21.6	19.8	18.9	18.9
87.5°	10.8	9.0	9.0	8.1	8.1	7.2	7.2	7.2	5.4	5.4	4.5
90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
92.5°	1.8	2.7	2.7	2.7	3.6	3.6	3.6	2.7	2.7	2.7	2.7
95°	3.6	4.5	5.4	5.4	5.4	6.3	6.3	6.3	6.3	5.4	5.4
97.5°	5.4	6.3	6.3	7.2	7.2	8.1	9.0	9.0	9.0	9.0	9.0
100°	9.0	8.1	9.0	9.9	9.9	9.9	9.9	10.8	10.8	11.7	11.7
102.5°	12.6	11.7	11.7	11.7	11.7	12.6	12.6	12.6	12.6	13.5	13.5
105°	17.1	15.3	14.4	14.4	14.4	15.3	16.2	16.2	15.3	15.3	15.3
107.5°	22.5	19.8	18.0	18.0	18.0	18.0	18.0	18.9	19.8	18.9	18.9
110°	28.8	25.2	23.4	22.5	21.6	20.7	20.7	21.6	22.5	23.4	23.4



TEST NUMBER: P303050

CATALOG NUMBER: CTW-F-2575-20L940-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	35.1	31.5	28.8	27.9	26.1	25.2	24.3	24.3	25.2	26.1	26.1
115°	42.3	38.7	34.2	33.3	31.5	29.7	27.9	27.9	27.9	27.9	28.8
117.5°	49.5	45.0	41.4	39.6	37.8	35.1	32.4	31.5	30.6	30.6	31.5
120°	56.7	53.1	47.7	45.9	44.1	41.4	37.8	36.0	34.2	34.2	34.2
122.5°	63.9	60.3	55.8	53.1	51.3	47.7	44.1	41.4	39.6	37.8	36.9
125°	71.1	67.5	63.0	60.3	58.5	54.0	50.4	47.7	45.0	43.2	41.4
127.5°	78.3	73.8	70.2	68.4	65.7	61.2	57.6	54.9	51.3	48.6	46.8
130°	84.6	81.0	77.4	74.7	72.9	68.4	64.8	61.2	58.5	55.8	53.1
132.5°	91.8	87.3	83.7	81.9	80.1	75.6	72.0	68.4	65.7	63.0	60.3
135°	98.1	93.6	90.0	88.2	86.4	82.8	78.3	75.6	72.0	70.2	67.5
137.5°	103.5	99.9	96.3	94.5	92.7	89.1	85.5	82.8	79.2	76.5	73.8
140°	109.8	105.3	102.6	100.8	99.0	95.4	92.7	90.0	86.4	83.7	81.0
142.5°	115.2	111.6	108.0	106.2	105.3	101.7	98.1	96.3	93.6	90.9	88.2
145°	119.7	116.1	113.4	111.6	109.8	107.1	104.4	102.6	99.9	97.2	94.5
147.5°	124.2	120.6	117.9	117.0	115.2	112.5	109.8	108.0	106.2	104.4	101.7
150°	128.7	125.1	123.3	122.4	120.6	118.8	115.2	114.3	112.5	109.8	108.0
152.5°	133.2	130.5	127.8	126.9	126.0	123.3	120.6	118.8	117.9	115.2	113.4
155°	137.7	134.1	132.3	131.4	130.5	128.7	126.0	124.2	123.3	121.5	119.7
157.5°	140.4	137.7	135.9	135.0	134.1	132.3	130.5	128.7	128.7	126.0	125.1
160°	144.0	141.3	139.5	138.6	138.6	136.8	135.0	133.2	133.2	131.4	130.5
162.5°	146.7	144.9	143.1	143.1	142.2	140.4	139.5	137.7	137.7	136.8	135.0
165°	150.3	147.6	146.7	145.8	145.8	144.9	143.1	141.3	142.2	141.3	139.5
167.5°	152.1	150.3	149.4	149.4	148.5	147.6	146.7	144.9	145.8	144.9	144.0
170°	154.8	152.1	152.1	151.2	151.2	151.2	150.3	148.5	148.5	148.5	147.6
172.5°	155.7	153.9	153.9	153.9	153.9	153.0	153.0	151.2	152.1	152.1	151.2
175°	157.5	155.7	155.7	155.7	155.7	155.7	154.8	153.9	154.8	154.8	153.9
177.5°	158.4	157.5	157.5	157.5	157.5	157.5	157.5	156.6	157.5	158.4	156.6
180°	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3



TEST NUMBER: P303050

CATALOG NUMBER: CTW-F-2575-20L940-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	498.6	498.6	498.6	498.6	498.6	498.6	498.6	498.6
2.5°	497.7	497.7	496.8	496.8	497.7	495.0	493.2	493.2
5°	495.0	494.1	494.1	494.1	495.0	493.2	491.4	491.4
7.5°	491.4	490.5	489.6	490.5	491.4	489.6	487.8	487.8
10°	486.0	485.1	484.2	484.2	485.1	483.3	482.4	482.4
12.5°	478.8	477.0	476.1	477.0	477.9	476.1	475.2	475.2
15°	469.8	468.9	468.9	468.9	469.8	468.0	466.2	467.1
17.5°	460.8	459.9	459.0	459.9	459.9	458.1	456.3	456.3
20°	449.1	448.2	447.3	448.2	448.2	446.4	444.6	444.6
22.5°	436.5	435.6	434.7	435.6	435.6	433.8	432.0	432.0
25°	423.0	421.2	421.2	422.1	421.2	420.3	418.5	418.5
27.5°	409.5	407.7	407.7	408.6	407.7	405.0	404.1	403.2
30°	395.1	392.4	392.4	393.3	392.4	389.7	388.8	388.8
32.5°	378.9	377.1	378.0	378.0	377.1	374.4	373.5	373.5
35°	363.6	361.8	362.7	362.7	360.9	359.1	358.2	357.3
37.5°	347.4	346.5	347.4	346.5	345.6	342.9	342.0	342.0
40°	330.3	330.3	331.2	329.4	328.5	326.7	324.9	325.8
42.5°	314.1	313.2	314.1	313.2	312.3	310.5	308.7	308.7
45°	297.0	297.0	296.1	296.1	295.2	293.4	291.6	292.5
47.5°	279.9	279.9	279.9	279.0	278.1	276.3	275.4	275.4
50°	262.8	262.8	261.9	261.9	260.1	258.3	258.3	259.2
52.5°	245.7	244.8	244.8	243.9	243.9	242.1	240.3	240.3
55°	226.8	225.9	225.0	225.0	224.1	223.2	221.4	222.3
57.5°	209.7	207.9	208.8	207.0	207.0	205.2	204.3	204.3
60°	191.7	190.8	190.8	189.9	189.0	188.1	187.2	187.2
62.5°	174.6	172.8	172.8	171.9	171.9	171.0	170.1	170.1
65°	156.6	154.8	154.8	153.9	154.8	153.0	153.0	153.0
67.5°	138.6	137.7	137.7	136.8	136.8	135.9	135.0	135.9
70°	121.5	120.6	119.7	118.8	119.7	118.8	118.8	117.9
72.5°	103.5	102.6	102.6	102.6	101.7	100.8	100.8	100.8
75°	86.4	85.5	85.5	84.6	84.6	83.7	82.8	83.7
77.5°	69.3	68.4	67.5	67.5	67.5	66.6	67.5	66.6
80°	52.2	50.4	50.4	50.4	50.4	49.5	50.4	48.6
82.5°	35.1	33.3	33.3	33.3	32.4	32.4	32.4	31.5
85°	18.0	18.0	18.0	17.1	17.1	17.1	17.1	16.2
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
92.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
95°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
100°	11.7	11.7	11.7	11.7	12.6	11.7	11.7	11.7
102.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
105°	16.2	16.2	16.2	16.2	17.1	17.1	17.1	17.1
107.5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
110°	23.4	22.5	22.5	22.5	21.6	21.6	21.6	21.6



TEST NUMBER: P303050

CATALOG NUMBER: CTW-F-2575-20L940-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	27.0	27.0	27.0	27.0	27.0	27.0	26.1	26.1
115°	29.7	29.7	30.6	30.6	30.6	30.6	30.6	30.6
117.5°	31.5	32.4	32.4	32.4	33.3	33.3	33.3	33.3
120°	34.2	34.2	34.2	34.2	35.1	35.1	35.1	35.1
122.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
125°	40.5	39.6	39.6	39.6	39.6	39.6	38.7	38.7
127.5°	45.0	44.1	43.2	43.2	42.3	42.3	41.4	41.4
130°	50.4	49.5	48.6	47.7	46.8	46.8	45.9	45.9
132.5°	57.6	55.8	54.9	54.0	53.1	52.2	51.3	51.3
135°	64.8	63.0	62.1	61.2	59.4	58.5	57.6	57.6
137.5°	72.0	70.2	69.3	68.4	66.6	65.7	64.8	64.8
140°	79.2	77.4	76.5	75.6	73.8	72.9	72.0	72.0
142.5°	85.5	83.7	83.7	82.8	81.0	80.1	79.2	79.2
145°	92.7	90.9	90.0	90.0	88.2	86.4	86.4	85.5
147.5°	99.0	98.1	97.2	96.3	95.4	93.6	93.6	92.7
150°	106.2	104.4	103.5	103.5	101.7	100.8	99.9	99.9
152.5°	112.5	110.7	109.8	109.8	108.9	108.0	107.1	107.1
155°	117.9	116.1	116.1	116.1	115.2	114.3	113.4	113.4
157.5°	123.3	122.4	121.5	121.5	121.5	119.7	119.7	119.7
160°	128.7	127.8	127.8	127.8	126.9	126.0	126.0	126.0
162.5°	134.1	133.2	133.2	133.2	132.3	131.4	131.4	131.4
165°	138.6	137.7	137.7	137.7	137.7	136.8	136.8	136.8
167.5°	143.1	142.2	142.2	142.2	142.2	141.3	141.3	141.3
170°	146.7	146.7	145.8	145.8	145.8	145.8	144.9	145.8
172.5°	150.3	150.3	149.4	149.4	150.3	149.4	148.5	149.4
175°	153.9	153.9	153.0	153.0	153.0	152.1	151.2	152.1
177.5°	157.5	156.6	156.6	156.6	156.6	155.7	153.9	153.9
180°	159.3	159.3	159.3	159.3	159.3	159.3	159.3	159.3

(END OF REPORT)