

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: P303184

Luminaire Tested: **CTW-F-7525-20L930-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-7525-20L930-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

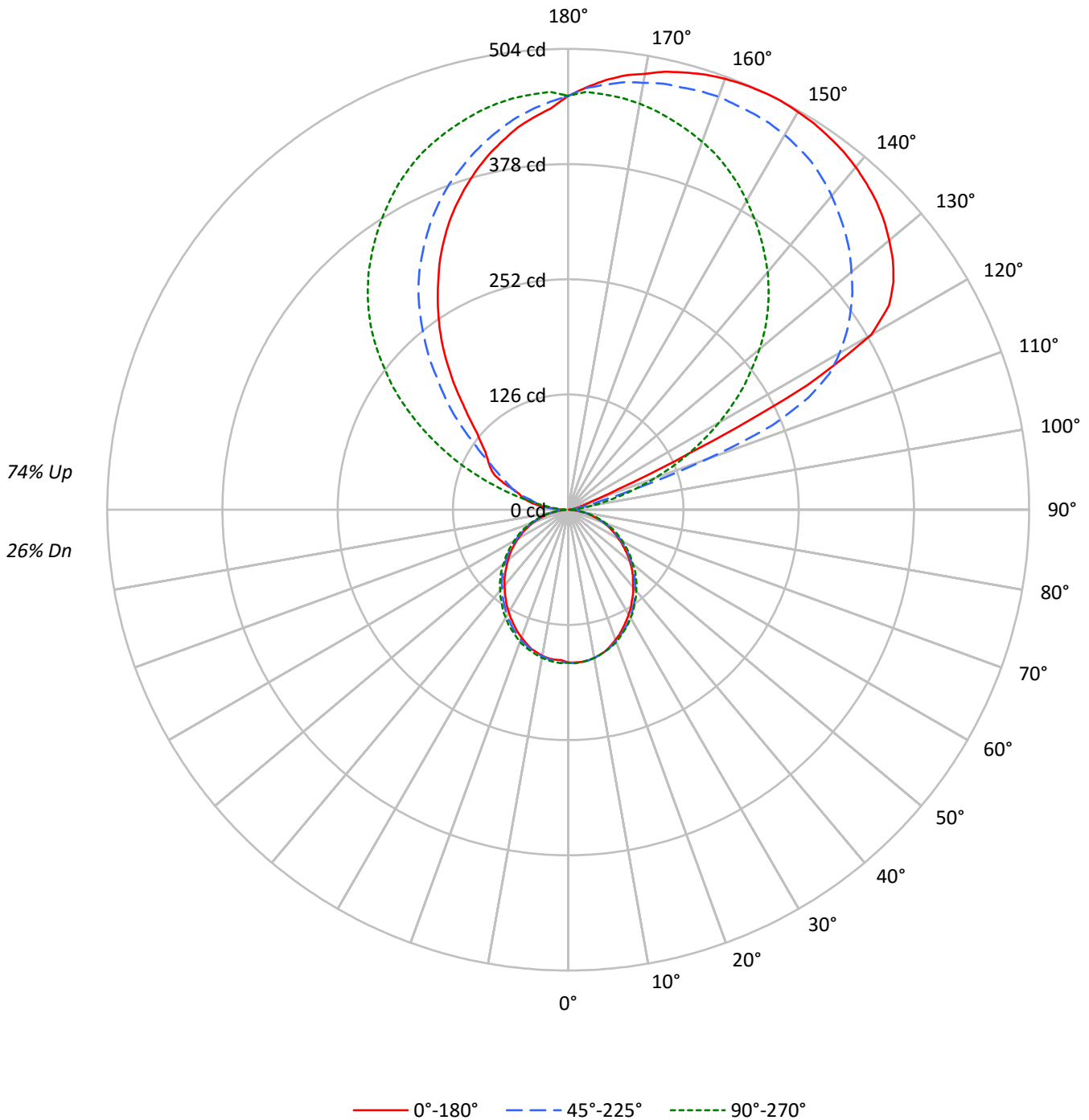
Lumens per Lamp: N/A  
Luminaire Lumens: 1726.4 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 16.8  
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	76	73	61	59	57	45	43	42	30	29	28	22
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	22	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	19	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	23	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°	3599	3599	3599
5°	3613	3613	3559
10°	3600	3600	3546
15°	3559	3559	3504
20°	3468	3526	3411
25°	3378	3458	3318
30°	3286	3391	3227
35°	3190	3322	3125
40°	3108	3249	3038
45°	3038	3191	2962
50°	2954	3091	2870
55°	2841	3029	2811
60°	2756	2936	2721
65°	2669	2883	2628
70°	2568	2776	2511
75°	2354	2628	2354
80°	2058	2479	2058
85°	1433	2248	1655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.8	0.9
10°-20°	44.6	2.6
20°-30°	65.9	3.8
30°-40°	77.3	4.5
40°-50°	78.4	4.5
50°-60°	69.9	4.0
60°-70°	53.6	3.1
70°-80°	31.8	1.8
80°-90°	8.9	0.5
90°-100°	13.6	0.8
100°-110°	55.2	3.2
110°-120°	154.6	9.0
120°-130°	225.5	13.1
130°-140°	242.9	14.1
140°-150°	231.4	13.4
150°-160°	189.9	11.0
160°-170°	124.0	7.2
170°-180°	43.0	2.5
0°-30°	126.3	7.3
0°-40°	203.7	11.8
0°-60°	351.9	20.4
0°-90°	446.3	25.9
90°-120°	223.4	12.9
90°-150°	923.2	53.5
90°-180°	1280.0	74.1
0°-180°	1726.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	167	167	167	167	167	
5°	167	167	167	166	165	16
15°	160	160	160	158	157	45
25°	142	145	146	143	140	66
35°	121	126	126	123	119	76
45°	100	102	105	102	97	77
55°	76	78	81	78	75	68
65°	52	54	57	54	52	52
75°	28	30	32	30	28	30
85°	6	8	9	8	7	7
90°	1	1	1	3	5	1
95°	3	4	10	18	18	4
105°	15	37	60	43	52	17
115°	146	289	146	77	88	173
125°	434	377	234	125	111	385
135°	477	428	309	202	162	368
145°	497	464	366	285	245	312
155°	504	478	412	352	323	233
165°	495	478	441	403	385	140
175°	472	467	456	440	431	45
180°	452	452	452	452	452	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
2.5°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	168.0	168.0
5°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	166.3	167.2	167.2	167.2
7.5°	166.3	166.3	166.3	166.3	166.3	166.3	165.5	165.5	165.5	166.3	166.3
10°	164.7	164.7	164.7	163.9	163.9	164.7	163.9	163.9	164.7	164.7	164.7
12.5°	162.2	162.2	162.2	162.2	162.2	162.2	162.2	161.4	162.2	163.0	162.2
15°	159.7	159.7	159.7	159.7	159.7	159.7	159.7	158.9	159.7	160.5	159.7
17.5°	155.5	155.5	155.5	155.5	156.4	156.4	156.4	155.5	156.4	157.2	156.4
20°	151.4	151.4	151.4	152.2	152.2	152.2	152.2	152.2	152.2	153.0	153.0
22.5°	147.2	147.2	147.2	147.2	148.0	148.0	148.0	147.2	148.0	148.9	148.9
25°	142.2	142.2	142.2	142.2	143.1	143.1	143.1	143.1	143.9	144.7	144.7
27.5°	137.2	137.2	137.2	138.1	138.9	138.9	138.9	138.9	138.9	139.7	140.6
30°	132.2	132.2	132.2	133.1	133.1	133.9	133.9	133.9	133.9	134.7	135.6
32.5°	127.3	127.3	127.3	128.1	128.1	128.1	128.9	128.9	128.9	129.8	130.6
35°	121.4	122.3	122.3	122.3	123.1	123.1	123.1	123.1	123.9	124.8	125.6
37.5°	116.4	116.4	116.4	116.4	117.3	117.3	117.3	118.1	118.1	118.9	119.8
40°	110.6	110.6	110.6	111.5	111.5	111.5	112.3	112.3	113.1	113.9	113.9
42.5°	104.8	104.8	104.8	105.6	105.6	105.6	106.5	107.3	107.3	108.1	108.1
45°	99.8	99.0	99.8	99.8	99.8	99.8	100.6	100.6	101.5	102.3	102.3
47.5°	94.0	93.2	94.0	94.0	94.0	94.0	94.8	94.8	95.6	95.6	96.5
50°	88.2	87.3	88.2	88.2	88.2	88.2	89.0	89.0	89.8	89.8	90.7
52.5°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.2	84.0	84.0	84.8
55°	75.7	75.7	76.5	76.5	76.5	76.5	76.5	77.4	77.4	78.2	78.2
57.5°	69.9	69.9	69.9	70.7	70.7	70.7	70.7	71.5	71.5	72.4	72.4
60°	64.0	64.0	64.0	64.0	64.9	64.9	64.9	64.9	65.7	66.5	66.5
62.5°	58.2	58.2	58.2	58.2	59.1	59.1	58.2	59.1	59.1	59.9	59.9
65°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	53.2	53.2	54.1	54.1
67.5°	46.6	45.7	46.6	46.6	46.6	46.6	46.6	47.4	47.4	47.4	48.2
70°	40.8	39.9	39.9	39.9	40.8	40.8	40.8	41.6	40.8	41.6	41.6
72.5°	34.1	34.1	34.1	34.1	34.1	34.9	34.9	34.9	34.9	35.8	35.8
75°	28.3	28.3	28.3	28.3	28.3	28.3	29.1	29.1	29.1	29.9	29.9
77.5°	22.5	22.5	22.5	22.5	22.5	22.5	23.3	23.3	23.3	23.3	24.1
80°	16.6	16.6	16.6	16.6	16.6	16.6	17.5	17.5	17.5	17.5	18.3
82.5°	10.8	10.8	10.8	11.6	10.8	11.6	11.6	11.6	11.6	11.6	12.5
85°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.7	6.7	7.5
87.5°	1.7	0.8	0.8	1.7	0.8	1.7	1.7	1.7	1.7	1.7	1.7
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	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
95°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.2	4.2
97.5°	5.0	5.0	5.0	5.0	5.0	5.8	5.8	5.8	5.8	6.7	7.5
100°	7.5	7.5	7.5	7.5	8.3	8.3	8.3	9.1	9.1	10.8	11.6
102.5°	10.8	10.8	10.8	10.8	11.6	11.6	12.5	13.3	14.1	16.6	20.8
105°	15.0	15.0	15.0	15.8	16.6	16.6	17.5	19.1	22.5	27.4	36.6
107.5°	20.8	20.8	21.6	22.5	24.1	25.0	26.6	32.4	39.9	53.2	79.8
110°	31.6	31.6	33.3	35.8	40.8	44.1	49.9	65.7	89.0	123.1	159.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	59.9	60.7	67.4	72.4	89.0	101.5	118.9	153.9	189.6	220.4	242.0
115°	146.4	148.9	165.5	174.7	212.1	219.6	238.7	272.0	287.8	291.9	289.4
117.5°	294.4	295.3	306.9	314.4	328.5	333.5	335.2	341.0	337.7	331.0	321.9
120°	382.6	380.9	382.6	380.1	380.9	379.3	376.8	371.8	363.5	354.3	342.7
122.5°	415.9	415.0	413.4	408.4	405.9	402.6	398.4	392.6	384.3	372.6	361.0
125°	434.2	433.3	431.7	426.7	422.5	419.2	415.9	409.2	399.2	389.3	376.8
127.5°	447.5	446.6	444.1	440.8	435.8	432.5	429.2	422.5	412.5	402.6	391.7
130°	458.3	457.5	455.0	452.5	447.5	445.0	441.6	435.0	425.0	415.0	404.2
132.5°	468.3	467.4	465.8	463.3	458.3	455.0	452.5	446.6	435.8	425.8	417.5
135°	476.6	474.9	474.9	471.6	466.6	464.1	461.6	455.8	445.8	436.7	428.3
137.5°	483.2	482.4	480.7	478.2	474.1	471.6	469.1	463.3	455.0	445.8	438.3
140°	489.1	488.2	487.4	484.9	480.7	478.2	476.6	469.9	462.4	455.0	448.3
142.5°	494.0	493.2	491.6	489.9	485.7	484.1	482.4	476.6	468.3	462.4	456.6
145°	497.4	497.4	495.7	494.0	490.7	489.1	487.4	480.7	474.1	469.1	464.1
147.5°	500.7	500.7	498.2	497.4	494.9	493.2	491.6	484.9	478.2	474.1	469.1
150°	502.4	502.4	500.7	499.0	496.5	495.7	494.0	488.2	482.4	479.1	473.3
152.5°	504.0	504.0	502.4	500.7	498.2	497.4	494.9	490.7	484.9	481.6	476.6
155°	504.0	504.9	502.4	500.7	499.0	498.2	495.7	490.7	486.6	484.1	478.2
157.5°	503.2	503.2	502.4	500.7	498.2	497.4	494.9	489.9	486.6	485.7	479.1
160°	501.5	501.5	500.7	498.2	497.4	495.7	493.2	489.9	487.4	485.7	480.7
162.5°	499.0	498.2	497.4	495.7	494.9	494.0	492.4	488.2	485.7	484.9	479.9
165°	494.9	494.0	493.2	492.4	491.6	490.7	489.1	484.9	484.1	483.2	478.2
167.5°	490.7	489.1	488.2	486.6	486.6	484.9	484.1	481.6	480.7	480.7	477.4
170°	484.1	483.2	482.4	481.6	481.6	480.7	479.9	476.6	476.6	477.4	474.1
172.5°	479.1	477.4	477.4	476.6	476.6	475.8	474.9	472.4	472.4	473.3	471.6
175°	471.6	470.8	469.9	469.1	469.1	469.1	468.3	466.6	467.4	468.3	466.6
177.5°	462.4	459.9	460.8	460.8	462.4	461.6	461.6	459.9	460.8	462.4	461.6
180°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
2.5°	166.3	166.3	165.5	166.3	166.3	166.3	167.2	167.2	168.0	168.0	168.0
5°	166.3	165.5	165.5	165.5	166.3	166.3	166.3	167.2	167.2	167.2	167.2
7.5°	164.7	164.7	164.7	164.7	164.7	165.5	165.5	165.5	166.3	166.3	165.5
10°	163.9	163.0	163.0	163.0	163.9	163.9	163.9	164.7	164.7	164.7	163.9
12.5°	161.4	161.4	160.5	161.4	161.4	161.4	161.4	162.2	162.2	162.2	162.2
15°	158.9	158.9	158.0	158.9	158.9	158.9	158.9	159.7	160.5	159.7	159.7
17.5°	155.5	155.5	155.5	155.5	155.5	156.4	156.4	157.2	157.2	157.2	156.4
20°	152.2	152.2	152.2	152.2	152.2	152.2	153.0	153.0	153.9	153.9	153.0
22.5°	148.0	148.0	148.0	148.0	148.9	148.9	148.9	149.7	149.7	149.7	148.9
25°	144.7	143.9	143.9	143.9	144.7	144.7	144.7	145.6	145.6	145.6	145.6
27.5°	139.7	139.7	138.9	139.7	139.7	140.6	140.6	141.4	141.4	141.4	140.6
30°	135.6	134.7	134.7	134.7	135.6	135.6	136.4	136.4	137.2	136.4	136.4
32.5°	130.6	130.6	129.8	130.6	130.6	130.6	131.4	131.4	132.2	132.2	131.4
35°	125.6	124.8	124.8	125.6	125.6	125.6	126.4	126.4	127.3	126.4	126.4
37.5°	120.6	119.8	119.8	119.8	119.8	120.6	121.4	121.4	121.4	121.4	121.4
40°	114.8	114.8	114.8	114.8	114.8	114.8	115.6	115.6	116.4	115.6	115.6
42.5°	109.8	109.0	109.0	109.0	109.0	109.8	109.8	110.6	110.6	110.6	109.8
45°	104.0	104.0	104.0	103.1	103.1	104.0	104.8	104.8	104.8	104.8	104.0
47.5°	98.1	97.3	98.1	98.1	97.3	98.1	99.0	99.0	99.0	99.0	98.1
50°	91.5	91.5	91.5	92.3	91.5	92.3	93.2	93.2	93.2	92.3	92.3
52.5°	84.8	85.7	86.5	86.5	85.7	86.5	86.5	86.5	86.5	86.5	86.5
55°	79.0	79.8	79.8	79.8	79.8	80.7	80.7	80.7	80.7	80.7	80.7
57.5°	73.2	73.2	74.0	74.0	74.0	74.0	74.0	74.9	74.0	74.0	74.0
60°	66.5	67.4	68.2	68.2	68.2	68.2	68.2	69.0	68.2	68.2	68.2
62.5°	60.7	60.7	61.5	62.4	61.5	62.4	62.4	62.4	62.4	62.4	62.4
65°	54.9	54.9	55.7	55.7	55.7	55.7	55.7	56.6	55.7	56.6	56.6
67.5°	48.2	49.1	49.1	49.9	49.9	49.9	49.9	50.7	50.7	49.9	49.9
70°	42.4	42.4	43.3	43.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1
72.5°	35.8	36.6	36.6	37.4	37.4	37.4	37.4	38.3	38.3	38.3	38.3
75°	29.9	30.8	30.8	31.6	30.8	31.6	31.6	31.6	32.4	31.6	32.4
77.5°	24.1	25.0	25.0	25.0	25.8	25.8	25.8	25.8	25.8	25.8	25.8
80°	18.3	19.1	19.1	19.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	12.5	13.3	13.3	13.3	13.3	14.1	14.1	14.1	14.1	14.1	14.1
85°	7.5	7.5	7.5	8.3	8.3	8.3	8.3	9.1	9.1	9.1	9.1
87.5°	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	3.3	4.2	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°	2.5	2.5	2.5	2.5	3.3	3.3	5.0	5.0	4.2	4.2	4.2
95°	5.0	5.0	6.7	8.3	10.0	11.6	13.3	13.3	11.6	10.0	9.1
97.5°	8.3	10.8	14.1	19.1	21.6	25.0	27.4	25.0	21.6	18.3	16.6
100°	15.0	20.0	28.3	38.3	42.4	45.7	46.6	41.6	34.9	28.3	25.8
102.5°	28.3	38.3	55.7	69.0	72.4	74.9	70.7	61.5	52.4	42.4	37.4
105°	54.1	76.5	100.6	107.3	109.0	107.3	98.1	84.8	72.4	59.9	52.4
107.5°	110.6	136.4	151.4	148.0	143.9	138.9	125.6	109.8	94.8	79.0	69.9
110°	183.8	194.6	193.8	182.1	173.8	166.3	152.2	134.7	117.3	100.6	89.0





TEST NUMBER: P303184

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	244.5	238.7	227.1	210.4	201.3	192.1	177.2	159.7	140.6	123.1	110.6
115°	281.1	268.6	252.8	237.9	228.7	218.7	201.3	183.0	163.9	145.6	132.2
117.5°	306.9	292.8	277.8	261.2	252.0	242.9	226.2	205.4	186.3	168.0	153.9
120°	327.7	312.7	296.9	282.0	273.6	265.3	247.9	228.7	207.9	190.5	174.7
122.5°	346.8	331.9	317.7	301.9	292.8	285.3	267.0	248.7	230.4	212.1	195.5
125°	364.3	351.0	334.4	319.4	311.9	303.6	286.1	267.8	251.2	233.7	217.9
127.5°	380.1	366.8	351.8	335.2	327.7	320.2	301.9	285.3	270.3	252.8	237.9
130°	394.2	380.9	366.8	351.0	344.3	336.0	319.4	302.8	288.6	272.8	257.0
132.5°	407.5	394.2	380.1	365.1	357.6	350.2	336.0	319.4	306.1	291.9	276.1
135°	419.2	405.9	391.7	376.8	370.1	363.5	349.3	335.2	321.0	308.6	293.6
137.5°	429.2	416.7	402.6	388.4	382.6	375.9	362.6	349.3	336.9	324.4	310.2
140°	438.3	425.8	411.7	398.4	392.6	387.6	374.3	362.6	351.8	339.3	326.0
142.5°	446.6	433.3	420.0	407.5	402.6	397.6	385.9	375.1	365.1	352.7	341.0
145°	453.3	440.0	427.5	415.9	412.5	406.7	395.9	386.8	376.8	366.0	355.1
147.5°	459.9	447.5	435.0	424.2	420.9	415.9	406.7	397.6	388.4	378.4	368.5
150°	464.1	452.5	441.6	432.5	429.2	424.2	415.0	407.5	400.1	390.1	380.1
152.5°	467.4	456.6	446.6	439.2	436.7	432.5	424.2	418.4	410.0	401.7	392.6
155°	469.9	459.9	451.6	445.0	442.5	440.0	431.7	426.7	419.2	411.7	403.4
157.5°	471.6	462.4	455.0	450.0	447.5	445.0	437.5	433.3	427.5	420.9	412.5
160°	472.4	464.1	458.3	454.1	451.6	449.1	444.1	439.2	433.3	428.3	421.7
162.5°	472.4	465.8	459.9	456.6	455.0	453.3	448.3	444.1	440.0	435.0	429.2
165°	472.4	466.6	461.6	459.1	457.5	456.6	451.6	449.1	445.0	440.8	435.8
167.5°	470.8	465.8	462.4	460.8	459.1	458.3	455.0	451.6	449.1	446.6	441.6
170°	469.1	464.9	461.6	460.8	459.9	459.1	456.6	455.0	453.3	450.8	446.6
172.5°	466.6	463.3	460.8	459.9	459.9	459.1	457.5	456.6	455.8	454.1	450.8
175°	462.4	459.9	457.5	458.3	458.3	458.3	456.6	457.5	456.6	455.8	453.3
177.5°	457.5	455.8	455.0	455.8	455.8	455.8	455.8	456.6	457.5	457.5	455.0
180°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5



TEST NUMBER: P303184

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
2.5°	166.3	165.5	165.5	165.5	166.3	166.3	166.3	166.3	167.2	167.2	167.2
5°	165.5	164.7	164.7	164.7	165.5	165.5	165.5	165.5	166.3	166.3	166.3
7.5°	164.7	163.9	163.9	163.9	163.9	164.7	164.7	163.9	164.7	165.5	164.7
10°	163.0	162.2	162.2	162.2	162.2	163.0	163.0	162.2	163.0	163.0	163.0
12.5°	160.5	159.7	159.7	159.7	160.5	160.5	160.5	159.7	160.5	161.4	160.5
15°	158.0	157.2	157.2	157.2	157.2	158.0	158.0	157.2	158.0	158.0	157.2
17.5°	155.5	154.7	153.9	153.9	154.7	154.7	154.7	153.9	154.7	154.7	153.9
20°	151.4	150.5	150.5	150.5	151.4	151.4	150.5	150.5	151.4	150.5	150.5
22.5°	148.0	147.2	147.2	147.2	147.2	147.2	147.2	146.4	147.2	146.4	146.4
25°	143.9	143.1	143.1	143.1	143.1	143.1	142.2	142.2	143.1	142.2	141.4
27.5°	139.7	138.9	138.9	138.9	138.9	138.9	138.1	138.1	138.1	137.2	137.2
30°	134.7	134.7	133.9	133.9	133.9	133.9	133.1	133.1	133.9	133.1	132.2
32.5°	130.6	129.8	129.8	129.8	129.8	128.9	128.1	128.1	128.1	128.1	127.3
35°	124.8	124.8	124.8	124.8	123.9	123.9	123.1	123.9	123.1	122.3	122.3
37.5°	119.8	119.8	118.9	118.9	118.9	118.9	118.1	118.9	118.1	117.3	116.4
40°	114.8	113.9	113.9	113.9	113.9	113.1	113.1	113.1	112.3	111.5	111.5
42.5°	109.0	109.0	108.1	109.0	108.1	108.1	107.3	108.1	107.3	106.5	105.6
45°	103.1	103.1	103.1	103.1	103.1	102.3	102.3	102.3	101.5	100.6	99.8
47.5°	97.3	97.3	97.3	98.1	97.3	96.5	96.5	96.5	95.6	94.8	94.0
50°	91.5	91.5	91.5	91.5	91.5	90.7	90.7	89.8	89.8	89.0	88.2
52.5°	85.7	85.7	85.7	86.5	85.7	84.8	84.8	84.8	84.0	83.2	82.3
55°	79.8	79.8	80.7	79.8	79.8	79.8	79.0	79.0	78.2	77.4	76.5
57.5°	74.0	74.0	74.0	74.0	74.0	73.2	73.2	73.2	72.4	71.5	70.7
60°	68.2	68.2	68.2	68.2	67.4	67.4	67.4	66.5	65.7	64.9	64.9
62.5°	61.5	62.4	62.4	61.5	61.5	61.5	60.7	60.7	59.9	59.9	59.1
65°	55.7	56.6	55.7	55.7	55.7	55.7	54.9	54.9	54.1	53.2	53.2
67.5°	49.9	49.9	49.9	49.9	49.9	49.1	49.1	48.2	48.2	47.4	47.4
70°	44.1	44.1	43.3	43.3	44.1	43.3	42.4	42.4	42.4	41.6	41.6
72.5°	38.3	38.3	37.4	37.4	37.4	37.4	36.6	36.6	35.8	35.8	34.9
75°	31.6	31.6	31.6	31.6	31.6	30.8	30.8	30.8	29.9	29.9	29.1
77.5°	25.8	25.8	25.8	25.8	25.8	25.0	25.0	25.0	25.0	24.1	24.1
80°	20.0	20.0	20.0	20.0	20.0	19.1	19.1	19.1	18.3	18.3	17.5
82.5°	14.1	14.1	14.1	14.1	14.1	13.3	13.3	13.3	12.5	12.5	12.5
85°	9.1	8.3	8.3	8.3	8.3	8.3	7.5	7.5	7.5	7.5	6.7
87.5°	4.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.5	3.3
90°	0.8	1.7	1.7	2.5	2.5	2.5	2.5	3.3	3.3	3.3	3.3
92.5°	6.7	8.3	8.3	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
95°	10.8	12.5	15.8	16.6	17.5	19.1	19.1	19.1	18.3	18.3	18.3
97.5°	15.8	18.3	18.3	20.0	20.8	24.1	26.6	27.4	29.1	29.1	29.1
100°	24.1	23.3	25.8	27.4	27.4	27.4	29.1	32.4	34.1	35.8	36.6
102.5°	34.9	31.6	31.6	32.4	34.1	37.4	34.9	35.8	37.4	39.1	41.6
105°	46.6	43.3	40.8	39.9	40.8	43.3	45.7	44.9	43.3	44.1	45.7
107.5°	61.5	55.7	50.7	49.9	49.9	49.9	52.4	54.9	56.6	54.9	53.2
110°	79.0	69.9	64.9	60.7	59.9	59.1	59.1	60.7	64.0	66.5	67.4



TEST NUMBER: P303184

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	98.1	87.3	79.0	74.9	72.4	69.0	68.2	68.2	69.9	73.2	75.7
115°	118.1	106.5	95.6	91.5	87.3	81.5	79.0	77.4	77.4	79.0	81.5
117.5°	138.9	126.4	114.8	108.1	104.8	96.5	90.7	87.3	86.5	86.5	88.2
120°	159.7	148.0	134.7	127.3	123.1	113.9	105.6	99.0	96.5	95.6	94.8
122.5°	180.5	168.0	155.5	148.0	143.1	132.2	123.9	113.9	109.8	105.6	104.8
125°	201.3	188.8	175.5	169.7	163.0	151.4	142.2	132.2	124.8	118.9	114.8
127.5°	222.9	208.8	195.5	191.3	183.8	172.2	162.2	152.2	143.9	135.6	129.8
130°	242.0	230.4	217.9	211.3	204.6	193.0	181.3	171.3	163.9	155.5	148.0
132.5°	261.2	249.5	237.9	233.7	227.1	213.8	202.9	191.3	183.0	174.7	168.0
135°	278.6	267.0	256.2	252.0	246.2	234.5	224.6	212.9	202.1	194.6	188.0
137.5°	295.3	284.5	273.6	269.5	264.5	253.7	244.5	234.5	224.6	217.1	207.1
140°	311.9	301.1	291.1	286.9	282.0	272.0	262.0	254.5	244.5	237.0	229.6
142.5°	327.7	316.9	306.9	302.8	299.4	289.4	280.3	273.6	265.3	257.0	250.4
145°	342.7	331.0	322.7	318.6	315.2	306.1	297.8	291.9	285.3	277.0	270.3
147.5°	356.0	345.2	336.9	334.4	331.0	323.5	315.2	308.6	303.6	296.1	289.4
150°	368.5	358.5	351.0	348.5	346.0	337.7	330.2	324.4	320.2	313.6	306.9
152.5°	381.8	371.8	365.1	362.6	359.3	352.7	346.0	339.3	336.0	331.0	324.4
155°	392.6	384.3	377.6	375.1	371.8	366.8	359.3	354.3	351.8	346.0	340.2
157.5°	403.4	395.1	389.3	386.8	384.3	379.3	372.6	367.6	366.0	361.0	356.0
160°	412.5	405.1	399.2	396.7	395.1	390.9	385.1	380.1	379.3	375.9	371.0
162.5°	420.9	413.4	409.2	406.7	405.1	402.6	396.7	391.7	390.9	388.4	384.3
165°	427.5	420.9	417.5	415.9	415.0	412.5	407.5	402.6	402.6	400.9	395.9
167.5°	435.0	428.3	425.0	424.2	423.4	420.9	417.5	413.4	413.4	411.7	407.5
170°	440.8	435.0	432.5	431.7	430.8	429.2	426.7	422.5	423.4	421.7	418.4
172.5°	445.0	440.8	439.2	437.5	437.5	436.7	435.0	431.7	432.5	431.7	428.3
175°	448.3	444.1	444.1	442.5	443.3	443.3	440.8	438.3	440.0	440.8	437.5
177.5°	450.8	447.5	447.5	447.5	448.3	448.3	447.5	445.0	446.6	448.3	445.0
180°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5



TEST NUMBER: P303184

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
2.5°	167.2	167.2	167.2	166.3	167.2	165.5	164.7	164.7
5°	165.5	165.5	165.5	165.5	165.5	165.5	164.7	164.7
7.5°	164.7	164.7	163.9	163.9	164.7	164.7	163.9	163.9
10°	162.2	162.2	162.2	162.2	163.0	162.2	162.2	162.2
12.5°	160.5	159.7	159.7	159.7	160.5	159.7	159.7	159.7
15°	157.2	157.2	157.2	157.2	158.0	157.2	157.2	157.2
17.5°	153.9	153.9	153.9	153.9	154.7	153.9	153.0	153.0
20°	150.5	149.7	149.7	149.7	149.7	149.7	148.9	148.9
22.5°	145.6	145.6	145.6	145.6	145.6	144.7	144.7	144.7
25°	141.4	140.6	140.6	141.4	140.6	140.6	139.7	139.7
27.5°	136.4	136.4	136.4	136.4	136.4	135.6	134.7	134.7
30°	132.2	131.4	131.4	131.4	131.4	130.6	129.8	129.8
32.5°	127.3	126.4	126.4	126.4	126.4	124.8	124.8	124.8
35°	121.4	121.4	121.4	121.4	120.6	119.8	119.8	118.9
37.5°	116.4	115.6	115.6	115.6	114.8	114.8	113.9	113.9
40°	110.6	110.6	110.6	110.6	109.8	109.0	108.1	108.1
42.5°	104.8	104.8	104.8	104.8	104.0	103.1	103.1	103.1
45°	99.8	99.0	99.0	99.0	98.1	98.1	97.3	97.3
47.5°	94.0	94.0	93.2	93.2	93.2	92.3	91.5	91.5
50°	88.2	88.2	88.2	87.3	86.5	86.5	86.5	85.7
52.5°	82.3	82.3	82.3	81.5	81.5	80.7	80.7	80.7
55°	76.5	76.5	76.5	75.7	75.7	74.9	74.9	74.9
57.5°	70.7	70.7	70.7	69.9	69.9	69.0	69.0	69.0
60°	64.9	64.9	64.0	64.0	64.0	63.2	63.2	63.2
62.5°	59.1	58.2	58.2	58.2	58.2	57.4	57.4	57.4
65°	53.2	52.4	52.4	52.4	52.4	51.6	51.6	51.6
67.5°	47.4	46.6	46.6	46.6	46.6	45.7	45.7	45.7
70°	40.8	40.8	40.8	40.8	40.8	39.9	39.9	39.9
72.5°	34.9	34.9	34.9	34.9	34.1	34.1	34.1	34.1
75°	29.1	29.1	29.1	29.1	28.3	28.3	28.3	28.3
77.5°	23.3	23.3	23.3	23.3	23.3	22.5	22.5	23.3
80°	17.5	17.5	17.5	17.5	17.5	16.6	16.6	16.6
82.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	10.8
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
90°	3.3	4.2	4.2	4.2	4.2	5.0	5.0	5.0
92.5°	9.1	10.0	10.0	9.1	10.0	10.0	10.0	10.0
95°	17.5	18.3	18.3	17.5	18.3	18.3	18.3	18.3
97.5°	29.1	29.1	29.1	28.3	29.1	28.3	28.3	28.3
100°	37.4	37.4	38.3	38.3	39.1	39.1	38.3	39.1
102.5°	42.4	43.3	44.1	44.1	44.9	44.9	45.7	45.7
105°	46.6	47.4	48.2	48.2	49.9	50.7	51.6	51.6
107.5°	53.2	53.2	54.1	54.1	54.9	54.9	54.9	55.7
110°	66.5	64.0	63.2	63.2	62.4	62.4	62.4	62.4



TEST NUMBER: P303184

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	77.4	77.4	78.2	78.2	78.2	77.4	75.7	76.5
115°	84.0	85.7	85.7	86.5	86.5	87.3	87.3	88.2
117.5°	89.0	90.7	91.5	92.3	94.0	94.8	94.8	94.8
120°	95.6	96.5	97.3	97.3	98.1	99.0	99.8	99.8
122.5°	104.0	103.1	104.0	104.0	104.0	104.8	104.8	104.8
125°	113.1	112.3	111.5	111.5	110.6	110.6	110.6	110.6
127.5°	125.6	123.1	122.3	121.4	119.8	119.8	118.9	119.8
130°	142.2	138.1	136.4	134.7	131.4	131.4	129.8	129.8
132.5°	161.4	156.4	153.9	152.2	148.0	146.4	144.7	144.7
135°	182.1	177.2	173.8	172.2	167.2	165.5	163.9	162.2
137.5°	202.1	197.1	194.6	193.8	188.8	187.1	183.8	183.0
140°	223.7	218.7	216.3	214.6	208.8	206.3	204.6	203.8
142.5°	244.5	238.7	236.2	235.4	231.2	228.7	226.2	225.4
145°	264.5	258.7	256.2	256.2	251.2	249.5	247.0	245.4
147.5°	284.5	278.6	276.1	276.1	272.0	268.6	267.0	265.3
150°	302.8	297.8	295.3	295.3	291.1	287.8	285.3	284.5
152.5°	319.4	315.2	313.6	313.6	310.2	306.9	305.2	304.4
155°	336.0	332.7	330.2	330.2	327.7	324.4	323.5	322.7
157.5°	352.7	349.3	346.8	347.7	344.3	341.8	340.2	340.2
160°	367.6	365.1	362.6	362.6	361.0	358.5	355.1	356.0
162.5°	382.6	379.3	377.6	377.6	376.8	373.4	370.1	371.0
165°	393.4	391.7	390.9	390.9	390.1	387.6	385.1	385.1
167.5°	405.1	403.4	402.6	402.6	401.7	400.1	397.6	398.4
170°	416.7	415.0	414.2	413.4	413.4	411.7	410.0	410.0
172.5°	427.5	425.8	425.0	425.0	425.8	424.2	421.7	421.7
175°	436.7	435.8	434.2	434.2	434.2	432.5	430.8	430.8
177.5°	445.0	444.1	444.1	443.3	444.1	441.6	439.2	439.2
180°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5

(END OF REPORT)