

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: P303185

Luminaire Tested: **CTW-F-7525-20L935-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303185  
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-7525-20L935-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

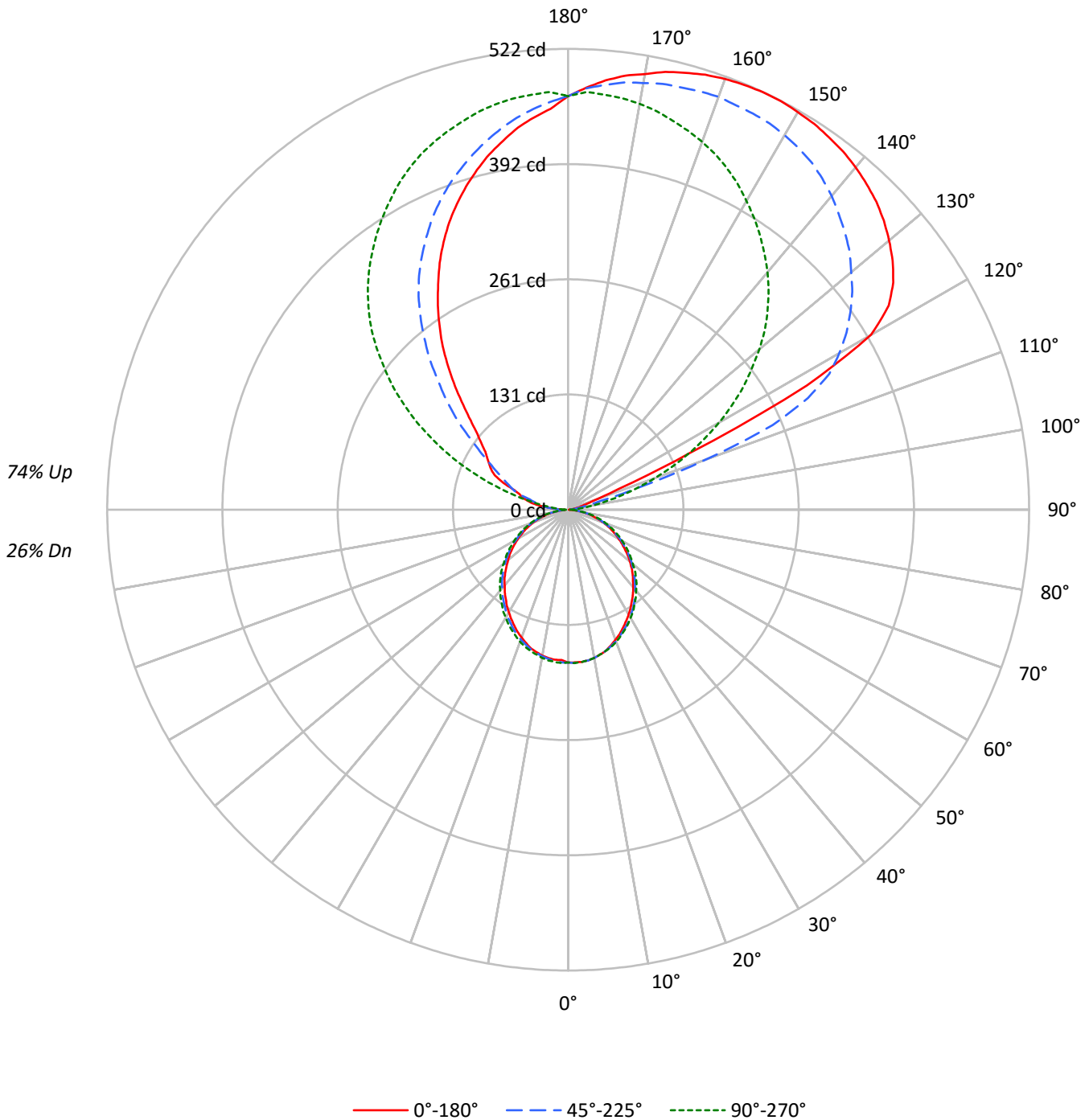
Lumens per Lamp: N/A  
Luminaire Lumens: 1787.2 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

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°	3726	3726	3726
5°	3741	3741	3685
10°	3727	3727	3670
15°	3684	3684	3626
20°	3590	3649	3530
25°	3496	3580	3435
30°	3403	3510	3338
35°	3303	3440	3235
40°	3218	3364	3145
45°	3145	3303	3066
50°	3058	3202	2971
55°	2943	3134	2909
60°	2855	3040	2816
65°	2761	2980	2720
70°	2656	2870	2600
75°	2437	2720	2437
80°	2132	2566	2132
85°	1482	2347	1704



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.9
10°-20°	46.2	2.6
20°-30°	68.2	3.8
30°-40°	80.1	4.5
40°-50°	81.1	4.5
50°-60°	72.3	4.0
60°-70°	55.5	3.1
70°-80°	32.9	1.8
80°-90°	9.3	0.5
90°-100°	14.0	0.8
100°-110°	57.1	3.2
110°-120°	160.1	9.0
120°-130°	233.5	13.1
130°-140°	251.4	14.1
140°-150°	239.5	13.4
150°-160°	196.6	11.0
160°-170°	128.4	7.2
170°-180°	44.5	2.5
0°-30°	130.8	7.3
0°-40°	210.8	11.8
0°-60°	364.3	20.4
0°-90°	462.0	25.9
90°-120°	231.2	12.9
90°-150°	955.7	53.5
90°-180°	1325.0	74.1
0°-180°	1787.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	173	173	173	173	173	
5°	173	173	173	172	170	16
15°	165	165	165	164	163	46
25°	147	150	151	148	145	68
35°	126	130	131	127	123	79
45°	103	106	108	105	101	80
55°	78	81	84	81	78	70
65°	54	56	58	56	53	54
75°	29	31	33	31	29	31
85°	6	8	10	8	7	7
90°	1	1	1	3	5	1
95°	3	4	10	19	19	4
105°	16	38	62	45	53	18
115°	152	300	151	80	91	179
125°	449	390	242	129	114	398
135°	493	443	319	209	168	381
145°	515	480	379	295	254	323
155°	522	495	426	364	334	241
165°	512	495	456	417	399	145
175°	488	483	472	456	446	47
180°	468	468	468	468	468	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.9	173.9
5°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	172.2	173.1	173.1	173.1
7.5°	172.2	172.2	172.2	172.2	172.2	172.2	171.3	171.3	171.3	172.2	172.2
10°	170.5	170.5	170.5	169.6	169.6	170.5	169.6	169.6	170.5	170.5	170.5
12.5°	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.0	167.9	168.8	167.9
15°	165.3	165.3	165.3	165.3	165.3	165.3	165.3	164.5	165.3	166.2	165.3
17.5°	161.0	161.0	161.0	161.0	161.9	161.9	161.9	161.0	161.9	162.7	161.9
20°	156.7	156.7	156.7	157.6	157.6	157.6	157.6	157.6	157.6	158.4	158.4
22.5°	152.4	152.4	152.4	152.4	153.3	153.3	153.3	152.4	153.3	154.1	154.1
25°	147.2	147.2	147.2	147.2	148.1	148.1	148.1	148.1	149.0	149.8	149.8
27.5°	142.1	142.1	142.1	142.9	143.8	143.8	143.8	143.8	143.8	144.6	145.5
30°	136.9	136.9	136.9	137.8	137.8	138.6	138.6	138.6	138.6	139.5	140.3
32.5°	131.7	131.7	131.7	132.6	132.6	132.6	133.5	133.5	133.5	134.3	135.2
35°	125.7	126.6	126.6	126.6	127.4	127.4	127.4	127.4	128.3	129.2	130.0
37.5°	120.5	120.5	120.5	120.5	121.4	121.4	121.4	122.3	122.3	123.1	124.0
40°	114.5	114.5	114.5	115.4	115.4	115.4	116.2	116.2	117.1	118.0	118.0
42.5°	108.5	108.5	108.5	109.3	109.3	109.3	110.2	111.1	111.1	111.9	111.9
45°	103.3	102.5	103.3	103.3	103.3	103.3	104.2	104.2	105.0	105.9	105.9
47.5°	97.3	96.4	97.3	97.3	97.3	97.3	98.2	98.2	99.0	99.0	99.9
50°	91.3	90.4	91.3	91.3	91.3	91.3	92.1	92.1	93.0	93.0	93.8
52.5°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.1	87.0	87.0	87.8
55°	78.4	78.4	79.2	79.2	79.2	79.2	79.2	80.1	80.1	80.9	80.9
57.5°	72.3	72.3	72.3	73.2	73.2	73.2	73.2	74.0	74.0	74.9	74.9
60°	66.3	66.3	66.3	66.3	67.2	67.2	67.2	67.2	68.0	68.9	68.9
62.5°	60.3	60.3	60.3	60.3	61.1	61.1	60.3	61.1	61.1	62.0	62.0
65°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	55.1	55.1	56.0	56.0
67.5°	48.2	47.4	48.2	48.2	48.2	48.2	48.2	49.1	49.1	49.1	49.9
70°	42.2	41.3	41.3	41.3	42.2	42.2	42.2	43.1	42.2	43.1	43.1
72.5°	35.3	35.3	35.3	35.3	35.3	36.2	36.2	36.2	36.2	37.0	37.0
75°	29.3	29.3	29.3	29.3	29.3	29.3	30.1	30.1	30.1	31.0	31.0
77.5°	23.2	23.2	23.2	23.2	23.2	23.2	24.1	24.1	24.1	24.1	25.0
80°	17.2	17.2	17.2	17.2	17.2	17.2	18.1	18.1	18.1	18.1	18.9
82.5°	11.2	11.2	11.2	12.1	11.2	12.1	12.1	12.1	12.1	12.1	12.9
85°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.9	6.9	7.7
87.5°	1.7	0.9	0.9	1.7	0.9	1.7	1.7	1.7	1.7	1.7	1.7
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
95°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.3	4.3
97.5°	5.2	5.2	5.2	5.2	5.2	6.0	6.0	6.0	6.0	6.9	7.7
100°	7.7	7.7	7.7	7.7	8.6	8.6	8.6	9.5	9.5	11.2	12.1
102.5°	11.2	11.2	11.2	11.2	12.1	12.1	12.9	13.8	14.6	17.2	21.5
105°	15.5	15.5	15.5	16.4	17.2	17.2	18.1	19.8	23.2	28.4	37.9
107.5°	21.5	21.5	22.4	23.2	25.0	25.8	27.6	33.6	41.3	55.1	82.7
110°	32.7	32.7	34.4	37.0	42.2	45.6	51.7	68.0	92.1	127.4	165.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.0	62.9	69.7	74.9	92.1	105.0	123.1	159.3	196.3	228.2	250.6
115°	151.5	154.1	171.3	180.8	219.6	227.3	247.1	281.5	297.9	302.2	299.6
117.5°	304.8	305.7	317.7	325.5	340.1	345.3	347.0	353.0	349.6	342.7	333.2
120°	396.1	394.3	396.1	393.5	394.3	392.6	390.0	384.9	376.3	366.8	354.7
122.5°	430.5	429.6	427.9	422.8	420.2	416.7	412.4	406.4	397.8	385.7	373.7
125°	449.4	448.6	446.9	441.7	437.4	433.9	430.5	423.6	413.3	402.9	390.0
127.5°	463.2	462.4	459.8	456.3	451.2	447.7	444.3	437.4	427.1	416.7	405.5
130°	474.4	473.6	471.0	468.4	463.2	460.6	457.2	450.3	440.0	429.6	418.4
132.5°	484.7	483.9	482.2	479.6	474.4	471.0	468.4	462.4	451.2	440.8	432.2
135°	493.4	491.6	491.6	488.2	483.0	480.4	477.9	471.8	461.5	452.0	443.4
137.5°	500.2	499.4	497.7	495.1	490.8	488.2	485.6	479.6	471.0	461.5	453.7
140°	506.3	505.4	504.5	502.0	497.7	495.1	493.4	486.5	478.7	471.0	464.1
142.5°	511.4	510.6	508.9	507.1	502.8	501.1	499.4	493.4	484.7	478.7	472.7
145°	514.9	514.9	513.2	511.4	508.0	506.3	504.5	497.7	490.8	485.6	480.4
147.5°	518.3	518.3	515.7	514.9	512.3	510.6	508.9	502.0	495.1	490.8	485.6
150°	520.0	520.0	518.3	516.6	514.0	513.2	511.4	505.4	499.4	495.9	489.9
152.5°	521.8	521.8	520.0	518.3	515.7	514.9	512.3	508.0	502.0	498.5	493.4
155°	521.8	522.6	520.0	518.3	516.6	515.7	513.2	508.0	503.7	501.1	495.1
157.5°	520.9	520.9	520.0	518.3	515.7	514.9	512.3	507.1	503.7	502.8	495.9
160°	519.2	519.2	518.3	515.7	514.9	513.2	510.6	507.1	504.5	502.8	497.7
162.5°	516.6	515.7	514.9	513.2	512.3	511.4	509.7	505.4	502.8	502.0	496.8
165°	512.3	511.4	510.6	509.7	508.9	508.0	506.3	502.0	501.1	500.2	495.1
167.5°	508.0	506.3	505.4	503.7	503.7	502.0	501.1	498.5	497.7	497.7	494.2
170°	501.1	500.2	499.4	498.5	498.5	497.7	496.8	493.4	493.4	494.2	490.8
172.5°	495.9	494.2	494.2	493.4	493.4	492.5	491.6	489.0	489.0	489.9	488.2
175°	488.2	487.3	486.5	485.6	485.6	485.6	484.7	483.0	483.9	484.7	483.0
177.5°	478.7	476.1	477.0	477.0	478.7	477.9	477.9	476.1	477.0	478.7	477.9
180°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	172.2	172.2	171.3	172.2	172.2	172.2	173.1	173.1	173.9	173.9	173.9
5°	172.2	171.3	171.3	171.3	172.2	172.2	172.2	173.1	173.1	173.1	173.1
7.5°	170.5	170.5	170.5	170.5	170.5	171.3	171.3	171.3	172.2	172.2	171.3
10°	169.6	168.8	168.8	168.8	169.6	169.6	169.6	170.5	170.5	170.5	169.6
12.5°	167.0	167.0	166.2	167.0	167.0	167.0	167.0	167.9	167.9	167.9	167.9
15°	164.5	164.5	163.6	164.5	164.5	164.5	164.5	165.3	166.2	165.3	165.3
17.5°	161.0	161.0	161.0	161.0	161.0	161.9	161.9	162.7	162.7	162.7	161.9
20°	157.6	157.6	157.6	157.6	157.6	157.6	158.4	158.4	159.3	159.3	158.4
22.5°	153.3	153.3	153.3	153.3	154.1	154.1	154.1	155.0	155.0	155.0	154.1
25°	149.8	149.0	149.0	149.0	149.8	149.8	149.8	150.7	150.7	150.7	150.7
27.5°	144.6	144.6	143.8	144.6	144.6	145.5	145.5	146.4	146.4	146.4	145.5
30°	140.3	139.5	139.5	139.5	140.3	140.3	141.2	141.2	142.1	141.2	141.2
32.5°	135.2	135.2	134.3	135.2	135.2	135.2	136.0	136.0	136.9	136.9	136.0
35°	130.0	129.2	129.2	130.0	130.0	130.0	130.9	130.9	131.7	130.9	130.9
37.5°	124.8	124.0	124.0	124.0	124.0	124.8	125.7	125.7	125.7	125.7	125.7
40°	118.8	118.8	118.8	118.8	118.8	118.8	119.7	119.7	120.5	119.7	119.7
42.5°	113.7	112.8	112.8	112.8	112.8	113.7	113.7	114.5	114.5	114.5	113.7
45°	107.6	107.6	107.6	106.8	106.8	107.6	108.5	108.5	108.5	108.5	107.6
47.5°	101.6	100.7	101.6	101.6	100.7	101.6	102.5	102.5	102.5	102.5	101.6
50°	94.7	94.7	94.7	95.6	94.7	95.6	96.4	96.4	96.4	95.6	95.6
52.5°	87.8	88.7	89.5	89.5	88.7	89.5	89.5	89.5	89.5	89.5	89.5
55°	81.8	82.7	82.7	82.7	82.7	83.5	83.5	83.5	83.5	83.5	83.5
57.5°	75.8	75.8	76.6	76.6	76.6	76.6	76.6	77.5	76.6	76.6	76.6
60°	68.9	69.7	70.6	70.6	70.6	70.6	70.6	71.5	70.6	70.6	70.6
62.5°	62.9	62.9	63.7	64.6	63.7	64.6	64.6	64.6	64.6	64.6	64.6
65°	56.8	56.8	57.7	57.7	57.7	57.7	57.7	58.5	57.7	58.5	58.5
67.5°	49.9	50.8	50.8	51.7	51.7	51.7	51.7	52.5	52.5	51.7	51.7
70°	43.9	43.9	44.8	44.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6
72.5°	37.0	37.9	37.9	38.7	38.7	38.7	38.7	39.6	39.6	39.6	39.6
75°	31.0	31.9	31.9	32.7	31.9	32.7	32.7	32.7	33.6	32.7	33.6
77.5°	25.0	25.8	25.8	25.8	26.7	26.7	26.7	26.7	26.7	26.7	26.7
80°	18.9	19.8	19.8	19.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7
82.5°	12.9	13.8	13.8	13.8	13.8	14.6	14.6	14.6	14.6	14.6	14.6
85°	7.7	7.7	7.7	8.6	8.6	8.6	8.6	9.5	9.5	9.5	9.5
87.5°	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4	3.4	4.3	4.3
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°	2.6	2.6	2.6	2.6	3.4	3.4	5.2	5.2	4.3	4.3	4.3
95°	5.2	5.2	6.9	8.6	10.3	12.1	13.8	13.8	12.1	10.3	9.5
97.5°	8.6	11.2	14.6	19.8	22.4	25.8	28.4	25.8	22.4	18.9	17.2
100°	15.5	20.7	29.3	39.6	43.9	47.4	48.2	43.1	36.2	29.3	26.7
102.5°	29.3	39.6	57.7	71.5	74.9	77.5	73.2	63.7	54.2	43.9	38.7
105°	56.0	79.2	104.2	111.1	112.8	111.1	101.6	87.8	74.9	62.0	54.2
107.5°	114.5	141.2	156.7	153.3	149.0	143.8	130.0	113.7	98.2	81.8	72.3
110°	190.3	201.5	200.6	188.6	179.9	172.2	157.6	139.5	121.4	104.2	92.1





TEST NUMBER: P303185

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	253.1	247.1	235.1	217.8	208.4	198.9	183.4	165.3	145.5	127.4	114.5
115°	291.0	278.1	261.7	246.2	236.8	226.4	208.4	189.4	169.6	150.7	136.9
117.5°	317.7	303.1	287.6	270.4	260.9	251.4	234.2	212.7	192.9	173.9	159.3
120°	339.2	323.7	307.4	291.9	283.3	274.7	256.6	236.8	215.3	197.2	180.8
122.5°	359.0	343.5	328.9	312.5	303.1	295.3	276.4	257.4	238.5	219.6	202.3
125°	377.1	363.3	346.1	330.6	322.9	314.3	296.2	277.2	260.0	241.9	225.6
127.5°	393.5	379.7	364.2	347.0	339.2	331.5	312.5	295.3	279.8	261.7	246.2
130°	408.1	394.3	379.7	363.3	356.5	347.8	330.6	313.4	298.8	282.4	266.0
132.5°	421.9	408.1	393.5	378.0	370.2	362.5	347.8	330.6	316.8	302.2	285.9
135°	433.9	420.2	405.5	390.0	383.1	376.3	361.6	347.0	332.3	319.4	303.9
137.5°	444.3	431.4	416.7	402.1	396.1	389.2	375.4	361.6	348.7	335.8	321.2
140°	453.7	440.8	426.2	412.4	406.4	401.2	387.5	375.4	364.2	351.3	337.5
142.5°	462.4	448.6	434.8	421.9	416.7	411.6	399.5	388.3	378.0	365.1	353.0
145°	469.2	455.5	442.6	430.5	427.1	421.0	409.8	400.4	390.0	378.8	367.6
147.5°	476.1	463.2	450.3	439.1	435.7	430.5	421.0	411.6	402.1	391.8	381.4
150°	480.4	468.4	457.2	447.7	444.3	439.1	429.6	421.9	414.1	403.8	393.5
152.5°	483.9	472.7	462.4	454.6	452.0	447.7	439.1	433.1	424.5	415.9	406.4
155°	486.5	476.1	467.5	460.6	458.1	455.5	446.9	441.7	433.9	426.2	417.6
157.5°	488.2	478.7	471.0	465.8	463.2	460.6	452.9	448.6	442.6	435.7	427.1
160°	489.0	480.4	474.4	470.1	467.5	464.9	459.8	454.6	448.6	443.4	436.5
162.5°	489.0	482.2	476.1	472.7	471.0	469.2	464.1	459.8	455.5	450.3	444.3
165°	489.0	483.0	477.9	475.3	473.6	472.7	467.5	464.9	460.6	456.3	451.2
167.5°	487.3	482.2	478.7	477.0	475.3	474.4	471.0	467.5	464.9	462.4	457.2
170°	485.6	481.3	477.9	477.0	476.1	475.3	472.7	471.0	469.2	466.7	462.4
172.5°	483.0	479.6	477.0	476.1	476.1	475.3	473.6	472.7	471.8	470.1	466.7
175°	478.7	476.1	473.6	474.4	474.4	474.4	472.7	473.6	472.7	471.8	469.2
177.5°	473.6	471.8	471.0	471.8	471.8	471.8	471.8	472.7	473.6	473.6	471.0
180°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4



TEST NUMBER: P303185

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	172.2	171.3	171.3	171.3	172.2	172.2	172.2	172.2	173.1	173.1	173.1
5°	171.3	170.5	170.5	170.5	171.3	171.3	171.3	171.3	172.2	172.2	172.2
7.5°	170.5	169.6	169.6	169.6	169.6	170.5	170.5	169.6	170.5	171.3	170.5
10°	168.8	167.9	167.9	167.9	167.9	168.8	168.8	167.9	168.8	168.8	168.8
12.5°	166.2	165.3	165.3	165.3	166.2	166.2	166.2	165.3	166.2	167.0	166.2
15°	163.6	162.7	162.7	162.7	162.7	163.6	163.6	162.7	163.6	163.6	162.7
17.5°	161.0	160.1	159.3	159.3	160.1	160.1	160.1	159.3	160.1	160.1	159.3
20°	156.7	155.8	155.8	155.8	156.7	156.7	155.8	155.8	156.7	155.8	155.8
22.5°	153.3	152.4	152.4	152.4	152.4	152.4	152.4	151.5	152.4	151.5	151.5
25°	149.0	148.1	148.1	148.1	148.1	148.1	147.2	147.2	148.1	147.2	146.4
27.5°	144.6	143.8	143.8	143.8	143.8	143.8	142.9	142.9	142.9	142.1	142.1
30°	139.5	139.5	138.6	138.6	138.6	138.6	137.8	137.8	138.6	137.8	136.9
32.5°	135.2	134.3	134.3	134.3	134.3	133.5	132.6	132.6	132.6	132.6	131.7
35°	129.2	129.2	129.2	129.2	128.3	128.3	127.4	128.3	127.4	126.6	126.6
37.5°	124.0	124.0	123.1	123.1	123.1	123.1	122.3	123.1	122.3	121.4	120.5
40°	118.8	118.0	118.0	118.0	118.0	117.1	117.1	117.1	116.2	115.4	115.4
42.5°	112.8	112.8	111.9	112.8	111.9	111.9	111.1	111.9	111.1	110.2	109.3
45°	106.8	106.8	106.8	106.8	106.8	105.9	105.9	105.9	105.0	104.2	103.3
47.5°	100.7	100.7	100.7	101.6	100.7	99.9	99.9	99.9	99.0	98.2	97.3
50°	94.7	94.7	94.7	94.7	94.7	93.8	93.8	93.0	93.0	92.1	91.3
52.5°	88.7	88.7	88.7	89.5	88.7	87.8	87.8	87.8	87.0	86.1	85.2
55°	82.7	82.7	83.5	82.7	82.7	82.7	81.8	81.8	80.9	80.1	79.2
57.5°	76.6	76.6	76.6	76.6	76.6	75.8	75.8	75.8	74.9	74.0	73.2
60°	70.6	70.6	70.6	70.6	69.7	69.7	69.7	68.9	68.0	67.2	67.2
62.5°	63.7	64.6	64.6	63.7	63.7	63.7	62.9	62.9	62.0	62.0	61.1
65°	57.7	58.5	57.7	57.7	57.7	57.7	56.8	56.8	56.0	55.1	55.1
67.5°	51.7	51.7	51.7	51.7	51.7	50.8	50.8	49.9	49.9	49.1	49.1
70°	45.6	45.6	44.8	44.8	45.6	44.8	43.9	43.9	43.9	43.1	43.1
72.5°	39.6	39.6	38.7	38.7	38.7	38.7	37.9	37.9	37.0	37.0	36.2
75°	32.7	32.7	32.7	32.7	32.7	31.9	31.9	31.9	31.0	31.0	30.1
77.5°	26.7	26.7	26.7	26.7	26.7	25.8	25.8	25.8	25.8	25.0	25.0
80°	20.7	20.7	20.7	20.7	20.7	19.8	19.8	19.8	18.9	18.9	18.1
82.5°	14.6	14.6	14.6	14.6	14.6	13.8	13.8	13.8	12.9	12.9	12.9
85°	9.5	8.6	8.6	8.6	8.6	8.6	7.7	7.7	7.7	7.7	6.9
87.5°	4.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.6	3.4
90°	0.9	1.7	1.7	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4
92.5°	6.9	8.6	8.6	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
95°	11.2	12.9	16.4	17.2	18.1	19.8	19.8	19.8	18.9	18.9	18.9
97.5°	16.4	18.9	18.9	20.7	21.5	25.0	27.6	28.4	30.1	30.1	30.1
100°	25.0	24.1	26.7	28.4	28.4	28.4	30.1	33.6	35.3	37.0	37.9
102.5°	36.2	32.7	32.7	33.6	35.3	38.7	36.2	37.0	38.7	40.5	43.1
105°	48.2	44.8	42.2	41.3	42.2	44.8	47.4	46.5	44.8	45.6	47.4
107.5°	63.7	57.7	52.5	51.7	51.7	51.7	54.2	56.8	58.5	56.8	55.1
110°	81.8	72.3	67.2	62.9	62.0	61.1	61.1	62.9	66.3	68.9	69.7



TEST NUMBER: P303185

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	101.6	90.4	81.8	77.5	74.9	71.5	70.6	70.6	72.3	75.8	78.4
115°	122.3	110.2	99.0	94.7	90.4	84.4	81.8	80.1	80.1	81.8	84.4
117.5°	143.8	130.9	118.8	111.9	108.5	99.9	93.8	90.4	89.5	89.5	91.3
120°	165.3	153.3	139.5	131.7	127.4	118.0	109.3	102.5	99.9	99.0	98.2
122.5°	186.8	173.9	161.0	153.3	148.1	136.9	128.3	118.0	113.7	109.3	108.5
125°	208.4	195.4	181.7	175.6	168.8	156.7	147.2	136.9	129.2	123.1	118.8
127.5°	230.7	216.1	202.3	198.0	190.3	178.2	167.9	157.6	149.0	140.3	134.3
130°	250.6	238.5	225.6	218.7	211.8	199.8	187.7	177.4	169.6	161.0	153.3
132.5°	270.4	258.3	246.2	241.9	235.1	221.3	210.1	198.0	189.4	180.8	173.9
135°	288.4	276.4	265.2	260.9	254.9	242.8	232.5	220.4	209.2	201.5	194.6
137.5°	305.7	294.5	283.3	279.0	273.8	262.6	253.1	242.8	232.5	224.7	214.4
140°	322.9	311.7	301.4	297.0	291.9	281.5	271.2	263.5	253.1	245.4	237.6
142.5°	339.2	328.0	317.7	313.4	310.0	299.6	290.2	283.3	274.7	266.0	259.2
145°	354.7	342.7	334.1	329.8	326.3	316.8	308.2	302.2	295.3	286.7	279.8
147.5°	368.5	357.3	348.7	346.1	342.7	334.9	326.3	319.4	314.3	306.5	299.6
150°	381.4	371.1	363.3	360.8	358.2	349.6	341.8	335.8	331.5	324.6	317.7
152.5°	395.2	384.9	378.0	375.4	372.0	365.1	358.2	351.3	347.8	342.7	335.8
155°	406.4	397.8	390.9	388.3	384.9	379.7	372.0	366.8	364.2	358.2	352.1
157.5°	417.6	409.0	402.9	400.4	397.8	392.6	385.7	380.6	378.8	373.7	368.5
160°	427.1	419.3	413.3	410.7	409.0	404.7	398.6	393.5	392.6	389.2	384.0
162.5°	435.7	427.9	423.6	421.0	419.3	416.7	410.7	405.5	404.7	402.1	397.8
165°	442.6	435.7	432.2	430.5	429.6	427.1	421.9	416.7	416.7	415.0	409.8
167.5°	450.3	443.4	440.0	439.1	438.2	435.7	432.2	427.9	427.9	426.2	421.9
170°	456.3	450.3	447.7	446.9	446.0	444.3	441.7	437.4	438.2	436.5	433.1
172.5°	460.6	456.3	454.6	452.9	452.9	452.0	450.3	446.9	447.7	446.9	443.4
175°	464.1	459.8	459.8	458.1	458.9	458.9	456.3	453.7	455.5	456.3	452.9
177.5°	466.7	463.2	463.2	463.2	464.1	464.1	463.2	460.6	462.4	464.1	460.6
180°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4



TEST NUMBER: P303185

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	173.1	173.1	173.1	173.1	173.1	173.1	173.1	173.1
2.5°	173.1	173.1	173.1	172.2	173.1	171.3	170.5	170.5
5°	171.3	171.3	171.3	171.3	171.3	171.3	170.5	170.5
7.5°	170.5	170.5	169.6	169.6	170.5	170.5	169.6	169.6
10°	167.9	167.9	167.9	167.9	168.8	167.9	167.9	167.9
12.5°	166.2	165.3	165.3	165.3	166.2	165.3	165.3	165.3
15°	162.7	162.7	162.7	162.7	163.6	162.7	162.7	162.7
17.5°	159.3	159.3	159.3	159.3	160.1	159.3	158.4	158.4
20°	155.8	155.0	155.0	155.0	155.0	155.0	154.1	154.1
22.5°	150.7	150.7	150.7	150.7	150.7	149.8	149.8	149.8
25°	146.4	145.5	145.5	146.4	145.5	145.5	144.6	144.6
27.5°	141.2	141.2	141.2	141.2	141.2	140.3	139.5	139.5
30°	136.9	136.0	136.0	136.0	136.0	135.2	134.3	134.3
32.5°	131.7	130.9	130.9	130.9	130.9	129.2	129.2	129.2
35°	125.7	125.7	125.7	125.7	124.8	124.0	124.0	123.1
37.5°	120.5	119.7	119.7	119.7	118.8	118.8	118.0	118.0
40°	114.5	114.5	114.5	114.5	113.7	112.8	111.9	111.9
42.5°	108.5	108.5	108.5	108.5	107.6	106.8	106.8	106.8
45°	103.3	102.5	102.5	102.5	101.6	101.6	100.7	100.7
47.5°	97.3	97.3	96.4	96.4	96.4	95.6	94.7	94.7
50°	91.3	91.3	91.3	90.4	89.5	89.5	89.5	88.7
52.5°	85.2	85.2	85.2	84.4	84.4	83.5	83.5	83.5
55°	79.2	79.2	79.2	78.4	78.4	77.5	77.5	77.5
57.5°	73.2	73.2	73.2	72.3	72.3	71.5	71.5	71.5
60°	67.2	67.2	66.3	66.3	66.3	65.4	65.4	65.4
62.5°	61.1	60.3	60.3	60.3	60.3	59.4	59.4	59.4
65°	55.1	54.2	54.2	54.2	54.2	53.4	53.4	53.4
67.5°	49.1	48.2	48.2	48.2	48.2	47.4	47.4	47.4
70°	42.2	42.2	42.2	42.2	42.2	41.3	41.3	41.3
72.5°	36.2	36.2	36.2	36.2	35.3	35.3	35.3	35.3
75°	30.1	30.1	30.1	30.1	29.3	29.3	29.3	29.3
77.5°	24.1	24.1	24.1	24.1	24.1	23.2	23.2	24.1
80°	18.1	18.1	18.1	18.1	18.1	17.2	17.2	17.2
82.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.2
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
87.5°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4
90°	3.4	4.3	4.3	4.3	4.3	5.2	5.2	5.2
92.5°	9.5	10.3	10.3	9.5	10.3	10.3	10.3	10.3
95°	18.1	18.9	18.9	18.1	18.9	18.9	18.9	18.9
97.5°	30.1	30.1	30.1	29.3	30.1	29.3	29.3	29.3
100°	38.7	38.7	39.6	39.6	40.5	40.5	39.6	40.5
102.5°	43.9	44.8	45.6	45.6	46.5	46.5	47.4	47.4
105°	48.2	49.1	49.9	49.9	51.7	52.5	53.4	53.4
107.5°	55.1	55.1	56.0	56.0	56.8	56.8	56.8	57.7
110°	68.9	66.3	65.4	65.4	64.6	64.6	64.6	64.6



TEST NUMBER: P303185

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	80.1	80.1	80.9	80.9	80.9	80.1	78.4	79.2
115°	87.0	88.7	88.7	89.5	89.5	90.4	90.4	91.3
117.5°	92.1	93.8	94.7	95.6	97.3	98.2	98.2	98.2
120°	99.0	99.9	100.7	100.7	101.6	102.5	103.3	103.3
122.5°	107.6	106.8	107.6	107.6	107.6	108.5	108.5	108.5
125°	117.1	116.2	115.4	115.4	114.5	114.5	114.5	114.5
127.5°	130.0	127.4	126.6	125.7	124.0	124.0	123.1	124.0
130°	147.2	142.9	141.2	139.5	136.0	136.0	134.3	134.3
132.5°	167.0	161.9	159.3	157.6	153.3	151.5	149.8	149.8
135°	188.6	183.4	179.9	178.2	173.1	171.3	169.6	167.9
137.5°	209.2	204.1	201.5	200.6	195.4	193.7	190.3	189.4
140°	231.6	226.4	223.9	222.1	216.1	213.5	211.8	210.9
142.5°	253.1	247.1	244.5	243.7	239.4	236.8	234.2	233.3
145°	273.8	267.8	265.2	265.2	260.0	258.3	255.7	254.0
147.5°	294.5	288.4	285.9	285.9	281.5	278.1	276.4	274.7
150°	313.4	308.2	305.7	305.7	301.4	297.9	295.3	294.5
152.5°	330.6	326.3	324.6	324.6	321.2	317.7	316.0	315.1
155°	347.8	344.4	341.8	341.8	339.2	335.8	334.9	334.1
157.5°	365.1	361.6	359.0	359.9	356.5	353.9	352.1	352.1
160°	380.6	378.0	375.4	375.4	373.7	371.1	367.6	368.5
162.5°	396.1	392.6	390.9	390.9	390.0	386.6	383.1	384.0
165°	407.3	405.5	404.7	404.7	403.8	401.2	398.6	398.6
167.5°	419.3	417.6	416.7	416.7	415.9	414.1	411.6	412.4
170°	431.4	429.6	428.8	427.9	427.9	426.2	424.5	424.5
172.5°	442.6	440.8	440.0	440.0	440.8	439.1	436.5	436.5
175°	452.0	451.2	449.4	449.4	449.4	447.7	446.0	446.0
177.5°	460.6	459.8	459.8	458.9	459.8	457.2	454.6	454.6
180°	468.4	468.4	468.4	468.4	468.4	468.4	468.4	468.4

(END OF REPORT)