

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: P303046

Luminaire Tested: **CTW-F-2575-20L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303046
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-2575-20L830-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1902.3 lumens
Efficiency: N/A
Efficacy: 105.7 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

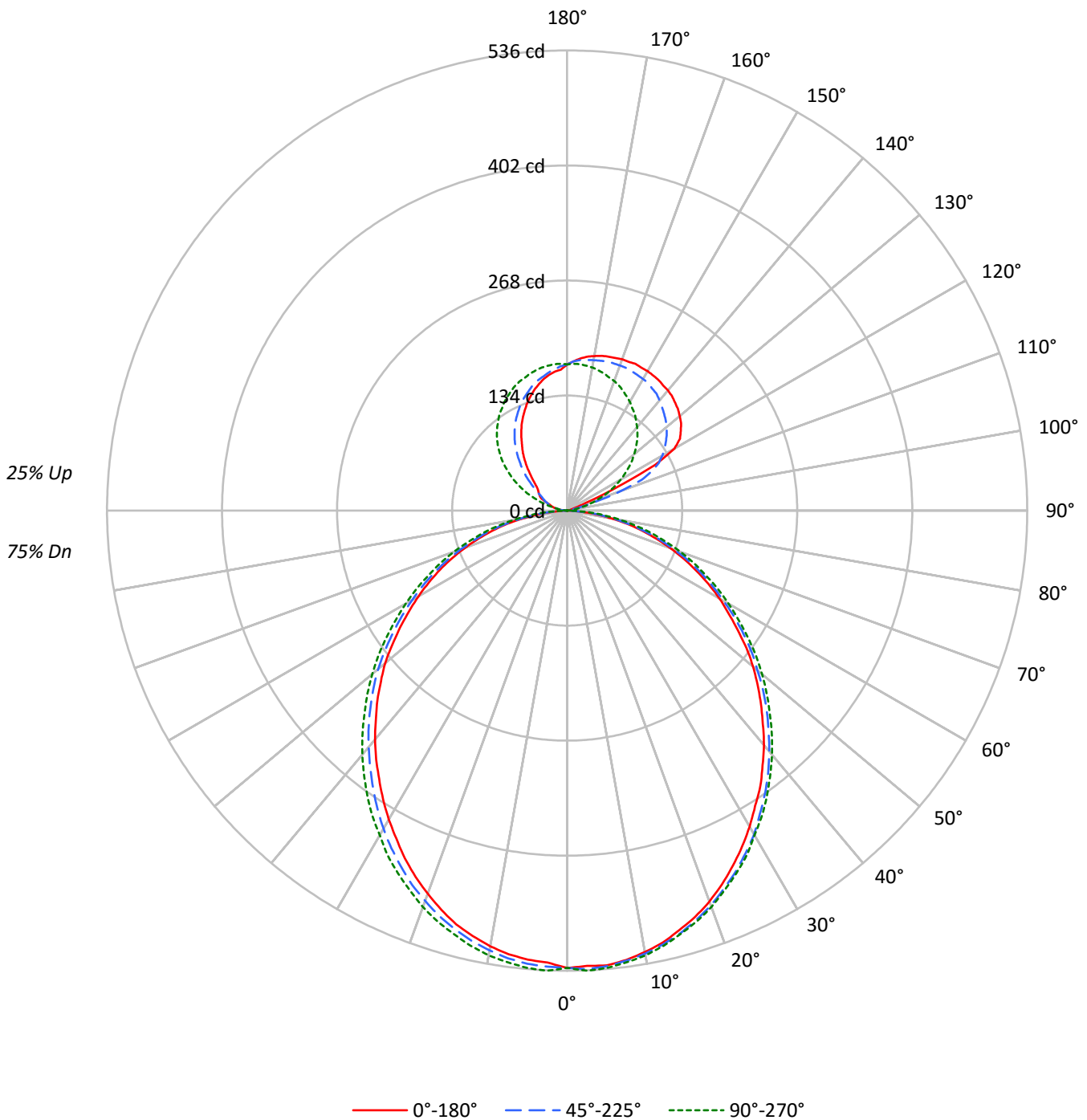
Input Watts (W): 18
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11468	11468	11468
5°	11490	11553	11345
10°	11413	11498	11267
15°	11273	11380	11121
20°	11102	11255	10882
25°	10848	11076	10620
30°	10565	10851	10326
35°	10310	10665	10031
40°	10024	10432	9783
45°	9718	10159	9514
50°	9468	9920	9274
55°	9094	9635	8914
60°	8818	9356	8611
65°	8471	9062	8329
70°	8050	8837	7931
75°	7519	8476	7436
80°	6434	7872	6434
85°	4273	6891	4273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	2.6
10°-20°	142.4	7.5
20°-30°	210.9	11.1
30°-40°	247.5	13.0
40°-50°	250.8	13.2
50°-60°	222.6	11.7
60°-70°	169.7	8.9
70°-80°	100.4	5.3
80°-90°	26.5	1.4
90°-100°	4.9	0.3
100°-110°	21.3	1.1
110°-120°	59.1	3.1
120°-130°	84.6	4.4
130°-140°	91.0	4.8
140°-150°	86.5	4.5
150°-160°	71.0	3.7
160°-170°	46.6	2.4
170°-180°	16.2	0.8
0°-30°	403.6	21.2
0°-40°	651.1	34.2
0°-60°	1124.5	59.1
0°-90°	1421.1	74.7
90°-120°	85.4	4.5
90°-150°	347.5	18.3
90°-180°	481.0	25.3
0°-180°	1902.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	533	533	533	533	533	
5°	532	533	535	530	525	50
15°	506	510	511	505	499	143
25°	457	464	466	458	447	210
35°	392	402	406	394	382	245
45°	319	329	334	324	312	247
55°	242	251	257	247	238	217
65°	166	172	178	170	164	165
75°	90	94	102	94	89	95
85°	17	21	28	21	17	21
90°	0	0	0	1	2	1
95°	1	2	4	7	6	1
105°	6	16	23	16	18	6
115°	62	110	56	30	33	68
125°	162	140	88	48	41	144
135°	178	160	115	77	62	137
145°	186	173	138	107	91	116
155°	188	179	154	132	121	87
165°	186	180	165	152	146	53
175°	178	176	171	165	162	17
180°	170	170	170	170	170	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	530.8	530.8	530.8	531.7	532.7	532.7	532.7	531.7	532.7	535.6	534.6
5°	531.7	530.8	530.8	529.8	530.8	530.8	530.8	529.8	530.8	533.7	532.7
7.5°	527.9	527.9	527.9	526.9	527.9	526.9	526.9	526.0	527.9	529.8	528.8
10°	522.1	521.2	521.2	521.2	522.1	522.1	521.2	521.2	522.1	525.0	524.0
12.5°	515.4	515.4	515.4	514.4	515.4	515.4	515.4	514.4	515.4	518.3	517.3
15°	505.8	506.7	506.7	505.8	507.7	507.7	506.7	506.7	507.7	509.6	509.6
17.5°	496.2	496.2	496.2	496.2	498.1	497.1	497.1	497.1	498.1	500.0	500.0
20°	484.6	484.6	484.6	483.7	485.6	485.6	485.6	485.6	486.5	489.4	489.4
22.5°	471.2	471.2	471.2	471.2	472.1	472.1	472.1	472.1	473.1	476.0	476.9
25°	456.7	456.7	456.7	456.7	457.7	457.7	457.7	458.7	459.6	462.5	464.4
27.5°	441.3	442.3	442.3	442.3	442.3	443.3	443.3	444.2	445.2	447.1	450.0
30°	425.0	425.0	426.0	426.0	426.9	426.9	426.9	427.9	429.8	431.7	435.6
32.5°	407.7	408.7	409.6	409.6	410.6	410.6	411.5	411.5	413.5	414.4	418.3
35°	392.3	392.3	391.3	393.3	393.3	393.3	394.2	395.2	395.2	397.1	401.9
37.5°	374.0	375.0	374.0	376.0	376.9	376.0	376.9	377.9	378.8	379.8	384.6
40°	356.7	356.7	356.7	357.7	358.7	358.7	358.7	359.6	361.5	363.5	366.3
42.5°	337.5	338.5	338.5	339.4	340.4	339.4	340.4	342.3	343.3	345.2	347.1
45°	319.2	320.2	319.2	321.2	322.1	322.1	322.1	324.0	325.0	326.0	328.8
47.5°	301.0	301.9	301.0	301.9	303.8	303.8	303.8	304.8	306.7	307.7	309.6
50°	282.7	282.7	282.7	283.7	284.6	285.6	285.6	285.6	287.5	288.5	289.4
52.5°	263.5	263.5	263.5	265.4	265.4	265.4	266.3	267.3	268.3	270.2	271.2
55°	242.3	242.3	242.3	243.3	244.2	244.2	245.2	246.2	247.1	248.1	251.0
57.5°	223.1	224.0	223.1	224.0	225.0	225.0	226.9	226.9	227.9	228.8	230.8
60°	204.8	204.8	204.8	204.8	205.8	205.8	205.8	206.7	208.7	209.6	210.6
62.5°	185.6	185.6	185.6	186.5	186.5	186.5	187.5	188.5	189.4	190.4	191.3
65°	166.3	166.3	166.3	167.3	167.3	167.3	167.3	169.2	170.2	171.2	172.1
67.5°	147.1	147.1	147.1	148.1	148.1	148.1	149.0	150.0	151.0	151.9	152.9
70°	127.9	128.8	127.9	128.8	128.8	128.8	129.8	130.8	130.8	132.7	132.7
72.5°	108.7	108.7	108.7	109.6	109.6	110.6	110.6	111.5	111.5	112.5	113.5
75°	90.4	89.4	90.4	91.3	90.4	90.4	91.3	92.3	93.3	94.2	94.2
77.5°	71.2	71.2	71.2	72.1	73.1	72.1	73.1	74.0	74.0	76.0	75.0
80°	51.9	51.9	52.9	53.8	53.8	53.8	53.8	54.8	55.8	56.7	56.7
82.5°	33.7	34.6	34.6	35.6	35.6	35.6	36.5	36.5	37.5	38.5	38.5
85°	17.3	18.3	17.3	18.3	18.3	19.2	19.2	19.2	20.2	21.2	21.2
87.5°	3.8	2.9	2.9	3.8	2.9	3.8	3.8	3.8	3.8	4.8	6.7
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9
97.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
100°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.8	3.8	4.8
102.5°	3.8	3.8	3.8	3.8	4.8	4.8	4.8	4.8	5.8	6.7	7.7
105°	5.8	5.8	5.8	5.8	5.8	5.8	6.7	7.7	8.7	11.5	16.3
107.5°	7.7	7.7	7.7	8.7	8.7	9.6	9.6	12.5	17.3	24.0	36.5
110°	11.5	12.5	12.5	14.4	16.3	18.3	20.2	27.9	38.5	53.8	66.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	24.0	26.0	26.9	32.7	40.4	45.2	49.0	63.5	78.8	88.5	94.2
115°	61.5	64.4	68.3	76.9	87.5	92.3	96.2	104.8	110.6	111.5	109.6
117.5°	115.4	116.3	118.3	123.1	126.0	126.9	126.9	127.9	126.9	124.0	120.2
120°	144.2	144.2	143.3	143.3	142.3	142.3	141.3	138.5	135.6	132.7	127.9
122.5°	155.8	154.8	153.8	152.9	151.9	150.0	149.0	146.2	143.3	139.4	134.6
125°	161.5	161.5	160.6	159.6	157.7	156.7	154.8	151.9	149.0	145.2	140.4
127.5°	167.3	166.3	165.4	164.4	162.5	161.5	160.6	157.7	153.8	150.0	146.2
130°	171.2	171.2	170.2	169.2	167.3	166.3	164.4	162.5	158.7	154.8	151.0
132.5°	175.0	175.0	174.0	173.1	171.2	170.2	169.2	166.3	162.5	159.6	155.8
135°	177.9	177.9	176.9	176.0	174.0	173.1	172.1	170.2	166.3	163.5	159.6
137.5°	180.8	179.8	178.8	178.8	176.9	176.0	175.0	173.1	169.2	166.3	163.5
140°	182.7	181.7	181.7	180.8	178.8	178.8	177.9	175.0	173.1	170.2	167.3
142.5°	183.7	183.7	183.7	182.7	180.8	180.8	179.8	177.9	175.0	173.1	171.2
145°	185.6	184.6	184.6	183.7	182.7	182.7	181.7	179.8	176.9	175.0	173.1
147.5°	186.5	186.5	185.6	185.6	184.6	183.7	183.7	181.7	178.8	176.9	176.0
150°	187.5	187.5	186.5	186.5	185.6	184.6	184.6	182.7	179.8	178.8	176.9
152.5°	187.5	187.5	187.5	186.5	186.5	185.6	184.6	182.7	181.7	179.8	177.9
155°	188.5	188.5	187.5	187.5	186.5	185.6	184.6	183.7	181.7	180.8	178.8
157.5°	187.5	188.5	187.5	186.5	186.5	185.6	184.6	183.7	181.7	181.7	179.8
160°	187.5	187.5	187.5	186.5	186.5	185.6	184.6	183.7	182.7	181.7	179.8
162.5°	186.5	186.5	186.5	186.5	185.6	185.6	184.6	182.7	181.7	181.7	179.8
165°	185.6	186.5	185.6	185.6	184.6	184.6	183.7	182.7	181.7	181.7	179.8
167.5°	184.6	184.6	183.7	183.7	182.7	182.7	181.7	180.8	180.8	180.8	178.8
170°	182.7	182.7	181.7	181.7	181.7	180.8	180.8	179.8	179.8	179.8	177.9
172.5°	180.8	180.8	179.8	179.8	179.8	178.8	178.8	177.9	177.9	177.9	176.9
175°	177.9	177.9	176.9	176.9	176.9	176.9	176.9	176.0	176.0	176.9	176.0
177.5°	174.0	173.1	174.0	174.0	174.0	174.0	174.0	173.1	174.0	174.0	174.0
180°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	530.8	529.8	528.8	530.8	531.7	532.7	533.7	535.6	536.5	536.5	535.6
5°	528.8	527.9	526.9	528.8	529.8	529.8	530.8	533.7	533.7	534.6	533.7
7.5°	525.0	524.0	524.0	525.0	526.0	526.9	527.9	529.8	530.8	530.8	529.8
10°	520.2	519.2	519.2	520.2	521.2	522.1	522.1	524.0	525.0	526.0	525.0
12.5°	514.4	512.5	512.5	513.5	514.4	515.4	516.3	518.3	519.2	519.2	518.3
15°	505.8	503.8	503.8	505.8	506.7	507.7	507.7	509.6	510.6	510.6	510.6
17.5°	497.1	495.2	495.2	496.2	497.1	498.1	498.1	501.0	501.0	501.9	501.0
20°	486.5	484.6	484.6	485.6	486.5	487.5	487.5	489.4	490.4	491.3	490.4
22.5°	474.0	473.1	473.1	474.0	475.0	476.0	476.0	477.9	478.8	478.8	478.8
25°	461.5	459.6	459.6	460.6	461.5	462.5	463.5	465.4	466.3	466.3	465.4
27.5°	448.1	446.2	445.2	446.2	448.1	449.0	450.0	451.9	452.9	452.9	451.9
30°	433.7	430.8	429.8	431.7	433.7	434.6	434.6	436.5	437.5	436.5	436.5
32.5°	417.3	416.3	414.4	415.4	417.3	418.3	419.2	421.2	422.1	422.1	420.2
35°	401.9	400.0	399.0	399.0	401.0	401.9	402.9	403.8	404.8	405.8	404.8
37.5°	385.6	383.7	382.7	383.7	384.6	385.6	386.5	387.5	388.5	388.5	387.5
40°	368.3	366.3	365.4	366.3	366.3	367.3	369.2	370.2	372.1	371.2	369.2
42.5°	350.0	348.1	348.1	347.1	349.0	351.0	351.0	351.9	353.8	352.9	351.9
45°	331.7	330.8	329.8	330.8	329.8	331.7	333.7	333.7	334.6	333.7	333.7
47.5°	312.5	311.5	311.5	312.5	312.5	312.5	314.4	315.4	315.4	315.4	315.4
50°	293.3	292.3	293.3	294.2	294.2	294.2	295.2	296.2	296.2	296.2	295.2
52.5°	273.1	275.0	274.0	275.0	275.0	276.0	276.9	276.9	277.9	276.9	276.0
55°	251.9	253.8	254.8	255.8	256.7	255.8	256.7	257.7	258.7	256.7	256.7
57.5°	231.7	232.7	233.7	234.6	235.6	234.6	235.6	236.5	235.6	236.5	235.6
60°	212.5	213.5	213.5	215.4	216.3	215.4	216.3	217.3	217.3	217.3	216.3
62.5°	194.2	194.2	194.2	197.1	196.2	196.2	197.1	198.1	198.1	198.1	197.1
65°	174.0	175.0	175.0	176.0	176.9	176.9	176.9	177.9	178.8	177.9	177.9
67.5°	152.9	155.8	154.8	155.8	156.7	157.7	158.7	158.7	158.7	159.6	158.7
70°	134.6	135.6	135.6	137.5	138.5	138.5	139.4	139.4	140.4	140.4	139.4
72.5°	115.4	116.3	117.3	118.3	118.3	119.2	119.2	119.2	121.2	120.2	120.2
75°	96.2	97.1	98.1	99.0	99.0	100.0	100.0	100.0	101.0	101.9	101.0
77.5°	76.9	77.9	78.8	79.8	79.8	80.8	81.7	80.8	81.7	82.7	81.7
80°	58.7	59.6	59.6	60.6	61.5	61.5	62.5	62.5	62.5	63.5	62.5
82.5°	40.4	41.3	41.3	43.3	43.3	44.2	44.2	44.2	44.2	45.2	44.2
85°	23.1	24.0	24.0	25.0	26.0	26.0	26.9	26.9	26.9	27.9	26.9
87.5°	6.7	7.7	7.7	8.7	9.6	9.6	10.6	10.6	10.6	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
92.5°	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.0	1.9
95°	1.9	1.9	2.9	3.8	3.8	4.8	5.8	5.8	4.8	3.8	3.8
97.5°	2.9	3.8	5.8	8.7	9.6	10.6	11.5	10.6	8.7	6.7	6.7
100°	5.8	8.7	12.5	16.3	18.3	19.2	19.2	16.3	13.5	11.5	9.6
102.5°	11.5	17.3	24.0	28.8	29.8	29.8	27.9	24.0	20.2	16.3	14.4
105°	24.0	34.6	41.3	43.3	42.3	41.3	37.5	32.7	27.9	23.1	20.2
107.5°	48.1	57.7	58.7	56.7	54.8	52.9	47.1	41.3	35.6	30.8	26.9
110°	74.0	76.0	74.0	68.3	66.3	62.5	56.7	51.0	44.2	38.5	34.6



TEST NUMBER: P303046

CATALOG NUMBER: CTW-F-2575-20L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	93.3	89.4	84.6	78.8	76.0	73.1	66.3	60.6	52.9	47.1	42.3
115°	105.8	100.0	94.2	88.5	84.6	81.7	75.0	69.2	61.5	55.8	50.0
117.5°	114.4	108.7	102.9	97.1	93.3	90.4	84.6	76.9	70.2	63.5	58.7
120°	122.1	117.3	110.6	104.8	101.9	99.0	92.3	85.6	77.9	72.1	66.3
122.5°	129.8	124.0	118.3	112.5	109.6	106.7	100.0	92.3	86.5	79.8	74.0
125°	135.6	130.8	125.0	119.2	116.3	113.5	106.7	100.0	93.3	87.5	81.7
127.5°	141.3	136.5	130.8	125.0	122.1	119.2	112.5	106.7	101.0	95.2	89.4
130°	147.1	142.3	136.5	130.8	127.9	125.0	119.2	113.5	107.7	101.9	96.2
132.5°	152.9	147.1	142.3	136.5	133.7	130.8	125.0	119.2	114.4	108.7	103.8
135°	156.7	151.9	146.2	141.3	138.5	135.6	130.8	125.0	120.2	115.4	110.6
137.5°	160.6	155.8	150.0	145.2	142.3	140.4	135.6	130.8	126.0	121.2	116.3
140°	163.5	158.7	153.8	149.0	146.2	145.2	140.4	135.6	131.7	126.9	122.1
142.5°	166.3	161.5	156.7	151.9	150.0	149.0	144.2	140.4	136.5	131.7	127.9
145°	169.2	164.4	159.6	155.8	153.8	151.9	148.1	144.2	141.3	137.5	132.7
147.5°	171.2	166.3	162.5	158.7	156.7	155.8	151.9	149.0	145.2	141.3	137.5
150°	173.1	168.3	165.4	161.5	160.6	158.7	154.8	151.9	149.0	146.2	142.3
152.5°	175.0	170.2	167.3	164.4	163.5	161.5	158.7	155.8	153.8	150.0	147.1
155°	175.0	172.1	169.2	166.3	165.4	164.4	161.5	159.6	156.7	153.8	151.0
157.5°	176.0	173.1	170.2	168.3	167.3	166.3	163.5	162.5	159.6	157.7	153.8
160°	176.9	174.0	171.2	170.2	169.2	168.3	166.3	164.4	162.5	160.6	157.7
162.5°	176.9	175.0	172.1	171.2	170.2	170.2	167.3	166.3	164.4	162.5	160.6
165°	176.9	175.0	173.1	172.1	172.1	171.2	169.2	168.3	166.3	165.4	163.5
167.5°	176.9	175.0	174.0	173.1	173.1	172.1	170.2	170.2	168.3	167.3	165.4
170°	176.0	175.0	174.0	173.1	173.1	173.1	171.2	171.2	170.2	169.2	167.3
172.5°	175.0	174.0	173.1	173.1	173.1	172.1	171.2	171.2	171.2	170.2	169.2
175°	174.0	173.1	172.1	172.1	172.1	172.1	171.2	171.2	171.2	171.2	170.2
177.5°	172.1	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
180°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2



TEST NUMBER: P303046

CATALOG NUMBER: CTW-F-2575-20L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	532.7	529.8	529.8	529.8	530.8	531.7	531.7	529.8	531.7	534.6	531.7
5°	529.8	526.9	526.9	527.9	527.9	528.8	528.8	526.9	529.8	531.7	528.8
7.5°	526.9	524.0	523.1	524.0	524.0	526.0	525.0	523.1	526.0	526.9	525.0
10°	521.2	518.3	518.3	518.3	519.2	520.2	519.2	517.3	520.2	521.2	519.2
12.5°	514.4	510.6	511.5	511.5	512.5	512.5	511.5	510.6	513.5	514.4	511.5
15°	505.8	502.9	502.9	502.9	503.8	504.8	503.8	501.9	504.8	504.8	501.9
17.5°	496.2	494.2	493.3	493.3	494.2	495.2	494.2	491.3	495.2	495.2	493.3
20°	485.6	483.7	482.7	482.7	483.7	483.7	482.7	480.8	483.7	483.7	480.8
22.5°	474.0	471.2	470.2	471.2	472.1	471.2	470.2	468.3	472.1	470.2	468.3
25°	460.6	459.6	457.7	458.7	458.7	458.7	456.7	455.8	457.7	455.8	453.8
27.5°	448.1	445.2	444.2	445.2	444.2	444.2	442.3	441.3	443.3	441.3	439.4
30°	432.7	429.8	429.8	429.8	429.8	428.8	426.9	426.9	427.9	426.9	424.0
32.5°	417.3	414.4	413.5	415.4	414.4	413.5	411.5	411.5	411.5	409.6	406.7
35°	401.0	398.1	398.1	399.0	398.1	397.1	395.2	395.2	394.2	392.3	390.4
37.5°	383.7	381.7	380.8	382.7	381.7	380.8	377.9	378.8	376.9	376.0	374.0
40°	366.3	364.4	363.5	365.4	365.4	362.5	361.5	361.5	359.6	357.7	355.8
42.5°	348.1	346.2	347.1	348.1	348.1	344.2	344.2	343.3	342.3	340.4	338.5
45°	330.8	328.8	328.8	330.8	329.8	326.9	326.9	325.0	324.0	322.1	319.2
47.5°	312.5	310.6	311.5	311.5	311.5	308.7	308.7	306.7	305.8	303.8	301.9
50°	293.3	292.3	293.3	292.3	293.3	290.4	290.4	288.5	287.5	285.6	282.7
52.5°	274.0	274.0	274.0	275.0	274.0	271.2	271.2	269.2	267.3	266.3	264.4
55°	253.8	254.8	254.8	254.8	254.8	251.0	250.0	248.1	247.1	245.2	243.3
57.5°	233.7	234.6	233.7	233.7	233.7	231.7	230.8	229.8	227.9	226.0	225.0
60°	215.4	215.4	214.4	214.4	214.4	212.5	211.5	210.6	208.7	206.7	206.7
62.5°	196.2	196.2	195.2	195.2	194.2	193.3	192.3	191.3	189.4	188.5	187.5
65°	176.9	176.9	176.0	175.0	175.0	174.0	173.1	171.2	170.2	168.3	168.3
67.5°	158.7	157.7	156.7	156.7	156.7	154.8	153.8	151.9	151.0	150.0	150.0
70°	139.4	138.5	137.5	137.5	137.5	135.6	134.6	132.7	131.7	130.8	130.8
72.5°	120.2	119.2	119.2	118.3	117.3	116.3	115.4	114.4	112.5	112.5	111.5
75°	101.0	100.0	99.0	99.0	98.1	97.1	96.2	94.2	94.2	94.2	93.3
77.5°	81.7	80.8	80.8	79.8	79.8	77.9	76.9	77.9	75.0	75.0	74.0
80°	62.5	61.5	62.5	60.6	60.6	59.6	58.7	58.7	56.7	56.7	55.8
82.5°	44.2	43.3	44.2	43.3	42.3	41.3	41.3	40.4	38.5	38.5	37.5
85°	26.9	26.0	26.9	26.0	25.0	24.0	23.1	23.1	21.2	20.2	20.2
87.5°	11.5	9.6	9.6	8.7	8.7	7.7	7.7	7.7	5.8	5.8	4.8
90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
92.5°	1.9	2.9	2.9	2.9	3.8	3.8	3.8	2.9	2.9	2.9	2.9
95°	3.8	4.8	5.8	5.8	5.8	6.7	6.7	6.7	6.7	5.8	5.8
97.5°	5.8	6.7	6.7	7.7	7.7	8.7	9.6	9.6	9.6	9.6	9.6
100°	9.6	8.7	9.6	10.6	10.6	10.6	10.6	11.5	11.5	12.5	12.5
102.5°	13.5	12.5	12.5	12.5	12.5	13.5	13.5	13.5	13.5	14.4	14.4
105°	18.3	16.3	15.4	15.4	15.4	16.3	17.3	17.3	16.3	16.3	16.3
107.5°	24.0	21.2	19.2	19.2	19.2	19.2	19.2	20.2	21.2	20.2	20.2
110°	30.8	26.9	25.0	24.0	23.1	22.1	22.1	23.1	24.0	25.0	25.0



TEST NUMBER: P303046

CATALOG NUMBER: CTW-F-2575-20L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	37.5	33.7	30.8	29.8	27.9	26.9	26.0	26.0	26.9	27.9	27.9
115°	45.2	41.3	36.5	35.6	33.7	31.7	29.8	29.8	29.8	29.8	30.8
117.5°	52.9	48.1	44.2	42.3	40.4	37.5	34.6	33.7	32.7	32.7	33.7
120°	60.6	56.7	51.0	49.0	47.1	44.2	40.4	38.5	36.5	36.5	36.5
122.5°	68.3	64.4	59.6	56.7	54.8	51.0	47.1	44.2	42.3	40.4	39.4
125°	76.0	72.1	67.3	64.4	62.5	57.7	53.8	51.0	48.1	46.2	44.2
127.5°	83.7	78.8	75.0	73.1	70.2	65.4	61.5	58.7	54.8	51.9	50.0
130°	90.4	86.5	82.7	79.8	77.9	73.1	69.2	65.4	62.5	59.6	56.7
132.5°	98.1	93.3	89.4	87.5	85.6	80.8	76.9	73.1	70.2	67.3	64.4
135°	104.8	100.0	96.2	94.2	92.3	88.5	83.7	80.8	76.9	75.0	72.1
137.5°	110.6	106.7	102.9	101.0	99.0	95.2	91.3	88.5	84.6	81.7	78.8
140°	117.3	112.5	109.6	107.7	105.8	101.9	99.0	96.2	92.3	89.4	86.5
142.5°	123.1	119.2	115.4	113.5	112.5	108.7	104.8	102.9	100.0	97.1	94.2
145°	127.9	124.0	121.2	119.2	117.3	114.4	111.5	109.6	106.7	103.8	101.0
147.5°	132.7	128.8	126.0	125.0	123.1	120.2	117.3	115.4	113.5	111.5	108.7
150°	137.5	133.7	131.7	130.8	128.8	126.9	123.1	122.1	120.2	117.3	115.4
152.5°	142.3	139.4	136.5	135.6	134.6	131.7	128.8	126.9	126.0	123.1	121.2
155°	147.1	143.3	141.3	140.4	139.4	137.5	134.6	132.7	131.7	129.8	127.9
157.5°	150.0	147.1	145.2	144.2	143.3	141.3	139.4	137.5	137.5	134.6	133.7
160°	153.8	151.0	149.0	148.1	148.1	146.2	144.2	142.3	142.3	140.4	139.4
162.5°	156.7	154.8	152.9	152.9	151.9	150.0	149.0	147.1	147.1	146.2	144.2
165°	160.6	157.7	156.7	155.8	155.8	154.8	152.9	151.0	151.9	151.0	149.0
167.5°	162.5	160.6	159.6	159.6	158.7	157.7	156.7	154.8	155.8	154.8	153.8
170°	165.4	162.5	162.5	161.5	161.5	161.5	160.6	158.7	158.7	158.7	157.7
172.5°	166.3	164.4	164.4	164.4	164.4	163.5	163.5	161.5	162.5	162.5	161.5
175°	168.3	166.3	166.3	166.3	166.3	166.3	165.4	164.4	165.4	165.4	164.4
177.5°	169.2	168.3	168.3	168.3	168.3	168.3	168.3	167.3	168.3	169.2	167.3
180°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2



TEST NUMBER: P303046

CATALOG NUMBER: CTW-F-2575-20L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	531.7	531.7	530.8	530.8	531.7	528.8	526.9	526.9
5°	528.8	527.9	527.9	527.9	528.8	526.9	525.0	525.0
7.5°	525.0	524.0	523.1	524.0	525.0	523.1	521.2	521.2
10°	519.2	518.3	517.3	517.3	518.3	516.3	515.4	515.4
12.5°	511.5	509.6	508.7	509.6	510.6	508.7	507.7	507.7
15°	501.9	501.0	501.0	501.0	501.9	500.0	498.1	499.0
17.5°	492.3	491.3	490.4	491.3	491.3	489.4	487.5	487.5
20°	479.8	478.8	477.9	478.8	478.8	476.9	475.0	475.0
22.5°	466.3	465.4	464.4	465.4	465.4	463.5	461.5	461.5
25°	451.9	450.0	450.0	451.0	450.0	449.0	447.1	447.1
27.5°	437.5	435.6	435.6	436.5	435.6	432.7	431.7	430.8
30°	422.1	419.2	419.2	420.2	419.2	416.3	415.4	415.4
32.5°	404.8	402.9	403.8	403.8	402.9	400.0	399.0	399.0
35°	388.5	386.5	387.5	387.5	385.6	383.7	382.7	381.7
37.5°	371.2	370.2	371.2	370.2	369.2	366.3	365.4	365.4
40°	352.9	352.9	353.8	351.9	351.0	349.0	347.1	348.1
42.5°	335.6	334.6	335.6	334.6	333.7	331.7	329.8	329.8
45°	317.3	317.3	316.3	316.3	315.4	313.5	311.5	312.5
47.5°	299.0	299.0	299.0	298.1	297.1	295.2	294.2	294.2
50°	280.8	280.8	279.8	279.8	277.9	276.0	276.0	276.9
52.5°	262.5	261.5	261.5	260.6	260.6	258.7	256.7	256.7
55°	242.3	241.3	240.4	240.4	239.4	238.5	236.5	237.5
57.5°	224.0	222.1	223.1	221.2	221.2	219.2	218.3	218.3
60°	204.8	203.8	203.8	202.9	201.9	201.0	200.0	200.0
62.5°	186.5	184.6	184.6	183.7	183.7	182.7	181.7	181.7
65°	167.3	165.4	165.4	164.4	165.4	163.5	163.5	163.5
67.5°	148.1	147.1	147.1	146.2	146.2	145.2	144.2	145.2
70°	129.8	128.8	127.9	126.9	127.9	126.9	126.9	126.0
72.5°	110.6	109.6	109.6	109.6	108.7	107.7	107.7	107.7
75°	92.3	91.3	91.3	90.4	90.4	89.4	88.5	89.4
77.5°	74.0	73.1	72.1	72.1	72.1	71.2	72.1	71.2
80°	55.8	53.8	53.8	53.8	53.8	52.9	53.8	51.9
82.5°	37.5	35.6	35.6	35.6	34.6	34.6	34.6	33.7
85°	19.2	19.2	19.2	18.3	18.3	18.3	18.3	17.3
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
95°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
97.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
100°	12.5	12.5	12.5	12.5	13.5	12.5	12.5	12.5
102.5°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
105°	17.3	17.3	17.3	17.3	18.3	18.3	18.3	18.3
107.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
110°	25.0	24.0	24.0	24.0	23.1	23.1	23.1	23.1



TEST NUMBER: P303046

CATALOG NUMBER: CTW-F-2575-20L830-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	28.8	28.8	28.8	28.8	28.8	28.8	27.9	27.9
115°	31.7	31.7	32.7	32.7	32.7	32.7	32.7	32.7
117.5°	33.7	34.6	34.6	34.6	35.6	35.6	35.6	35.6
120°	36.5	36.5	36.5	36.5	37.5	37.5	37.5	37.5
122.5°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
125°	43.3	42.3	42.3	42.3	42.3	42.3	41.3	41.3
127.5°	48.1	47.1	46.2	46.2	45.2	45.2	44.2	44.2
130°	53.8	52.9	51.9	51.0	50.0	50.0	49.0	49.0
132.5°	61.5	59.6	58.7	57.7	56.7	55.8	54.8	54.8
135°	69.2	67.3	66.3	65.4	63.5	62.5	61.5	61.5
137.5°	76.9	75.0	74.0	73.1	71.2	70.2	69.2	69.2
140°	84.6	82.7	81.7	80.8	78.8	77.9	76.9	76.9
142.5°	91.3	89.4	89.4	88.5	86.5	85.6	84.6	84.6
145°	99.0	97.1	96.2	96.2	94.2	92.3	92.3	91.3
147.5°	105.8	104.8	103.8	102.9	101.9	100.0	100.0	99.0
150°	113.5	111.5	110.6	110.6	108.7	107.7	106.7	106.7
152.5°	120.2	118.3	117.3	117.3	116.3	115.4	114.4	114.4
155°	126.0	124.0	124.0	124.0	123.1	122.1	121.2	121.2
157.5°	131.7	130.8	129.8	129.8	129.8	127.9	127.9	127.9
160°	137.5	136.5	136.5	136.5	135.6	134.6	134.6	134.6
162.5°	143.3	142.3	142.3	142.3	141.3	140.4	140.4	140.4
165°	148.1	147.1	147.1	147.1	147.1	146.2	146.2	146.2
167.5°	152.9	151.9	151.9	151.9	151.9	151.0	151.0	151.0
170°	156.7	156.7	155.8	155.8	155.8	155.8	154.8	155.8
172.5°	160.6	160.6	159.6	159.6	160.6	159.6	158.7	159.6
175°	164.4	164.4	163.5	163.5	163.5	162.5	161.5	162.5
177.5°	168.3	167.3	167.3	167.3	167.3	166.3	164.4	164.4
180°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2

(END OF REPORT)