

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: P303047

Luminaire Tested: **CTW-F-2575-20L840-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303047
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-2575-20L840-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

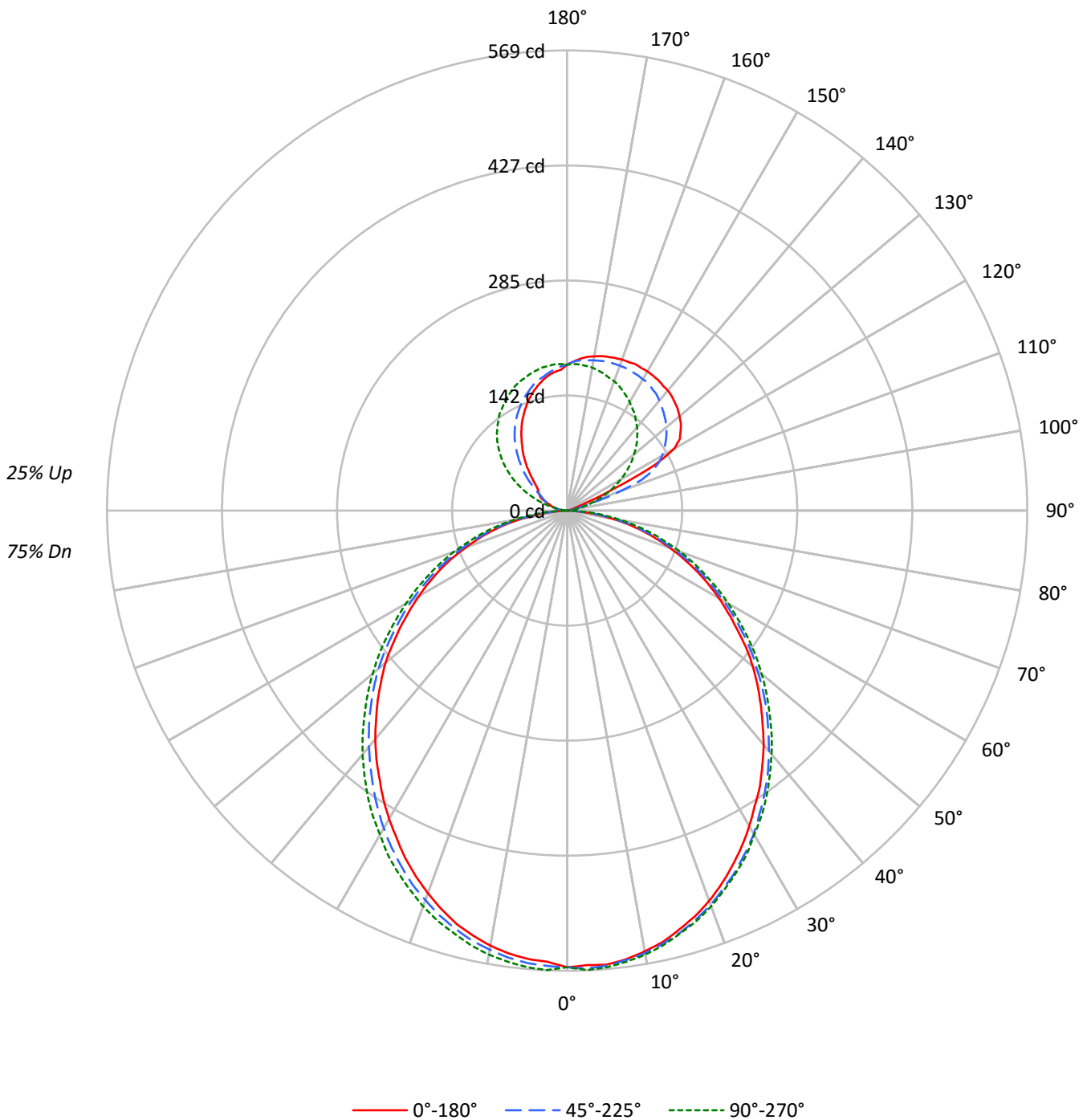
Lumens per Lamp: N/A
Luminaire Lumens: 2016.4 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

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°	12157	12157	12157
5°	12179	12246	12026
10°	12097	12187	11942
15°	11948	12062	11790
20°	11769	11931	11535
25°	11499	11741	11257
30°	11199	11502	10945
35°	10927	11303	10633
40°	10626	11056	10370
45°	10303	10768	10083
50°	10037	10513	9830
55°	9638	10213	9447
60°	9347	9916	9128
65°	8981	9607	8828
70°	8535	9366	8403
75°	7968	8983	7885
80°	6819	8343	6819
85°	4520	7311	4520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	2.6
10°-20°	150.9	7.5
20°-30°	223.6	11.1
30°-40°	262.3	13.0
40°-50°	265.9	13.2
50°-60°	235.9	11.7
60°-70°	179.9	8.9
70°-80°	106.4	5.3
80°-90°	28.1	1.4
90°-100°	5.2	0.3
100°-110°	22.6	1.1
110°-120°	62.7	3.1
120°-130°	89.7	4.4
130°-140°	96.5	4.8
140°-150°	91.7	4.5
150°-160°	75.3	3.7
160°-170°	49.4	2.4
170°-180°	17.1	0.8
0°-30°	427.8	21.2
0°-40°	690.2	34.2
0°-60°	1192.0	59.1
0°-90°	1506.3	74.7
90°-120°	90.5	4.5
90°-150°	368.4	18.3
90°-180°	510.0	25.3
0°-180°	2016.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	565	565	565	565	565	
5°	564	565	567	562	556	53
15°	536	540	541	535	529	151
25°	484	492	494	485	474	223
35°	416	426	430	418	405	260
45°	338	349	354	344	331	261
55°	257	266	272	262	252	231
65°	176	182	189	180	173	174
75°	96	100	108	100	95	101
85°	18	22	30	22	18	23
90°	0	0	0	1	2	1
95°	1	2	4	7	6	1
105°	6	17	24	17	19	7
115°	65	116	59	32	35	72
125°	171	149	93	51	44	152
135°	189	169	122	82	65	146
145°	197	184	146	113	97	123
155°	200	190	163	140	128	92
165°	197	191	175	161	155	56
175°	189	186	181	175	172	18
180°	180	180	180	180	180	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	562.6	562.6	562.6	563.6	564.7	564.7	564.7	563.6	564.7	567.7	566.7
5°	563.6	562.6	562.6	561.6	562.6	562.6	562.6	561.6	562.6	565.7	564.7
7.5°	559.6	559.6	559.6	558.5	559.6	558.5	558.5	557.5	559.6	561.6	560.6
10°	553.4	552.4	552.4	552.4	553.4	553.4	552.4	552.4	553.4	556.5	555.5
12.5°	546.3	546.3	546.3	545.3	546.3	546.3	546.3	545.3	546.3	549.4	548.3
15°	536.1	537.1	537.1	536.1	538.2	538.2	537.1	537.1	538.2	540.2	540.2
17.5°	525.9	525.9	525.9	525.9	528.0	526.9	526.9	526.9	528.0	530.0	530.0
20°	513.7	513.7	513.7	512.7	514.7	514.7	514.7	514.7	515.7	518.8	518.8
22.5°	499.4	499.4	499.4	499.4	500.4	500.4	500.4	500.4	501.5	504.5	505.5
25°	484.1	484.1	484.1	484.1	485.2	485.2	485.2	486.2	487.2	490.2	492.3
27.5°	467.8	468.8	468.8	468.8	468.8	469.9	469.9	470.9	471.9	473.9	477.0
30°	450.5	450.5	451.5	451.5	452.5	452.5	452.5	453.6	455.6	457.6	461.7
32.5°	432.2	433.2	434.2	434.2	435.2	435.2	436.2	436.2	438.3	439.3	443.4
35°	415.8	415.8	414.8	416.9	416.9	416.9	417.9	418.9	418.9	420.9	426.0
37.5°	396.5	397.5	396.5	398.5	399.5	398.5	399.5	400.6	401.6	402.6	407.7
40°	378.1	378.1	378.1	379.2	380.2	380.2	380.2	381.2	383.2	385.3	388.3
42.5°	357.7	358.8	358.8	359.8	360.8	359.8	360.8	362.8	363.9	365.9	367.9
45°	338.4	339.4	338.4	340.4	341.4	341.4	341.4	343.5	344.5	345.5	348.6
47.5°	319.0	320.0	319.0	320.0	322.1	322.1	322.1	323.1	325.1	326.2	328.2
50°	299.7	299.7	299.7	300.7	301.7	302.7	302.7	302.7	304.7	305.8	306.8
52.5°	279.3	279.3	279.3	281.3	281.3	281.3	282.3	283.3	284.4	286.4	287.4
55°	256.8	256.8	256.8	257.9	258.9	258.9	259.9	260.9	261.9	263.0	266.0
57.5°	236.5	237.5	236.5	237.5	238.5	238.5	240.5	240.5	241.6	242.6	244.6
60°	217.1	217.1	217.1	217.1	218.1	218.1	218.1	219.1	221.2	222.2	223.2
62.5°	196.7	196.7	196.7	197.7	197.7	197.7	198.7	199.8	200.8	201.8	202.8
65°	176.3	176.3	176.3	177.3	177.3	177.3	177.3	179.4	180.4	181.4	182.4
67.5°	155.9	155.9	155.9	157.0	157.0	157.0	158.0	159.0	160.0	161.0	162.1
70°	135.6	136.6	135.6	136.6	136.6	136.6	137.6	138.6	138.6	140.7	140.7
72.5°	115.2	115.2	115.2	116.2	116.2	117.2	117.2	118.2	118.2	119.2	120.3
75°	95.8	94.8	95.8	96.8	95.8	95.8	96.8	97.8	98.9	99.9	99.9
77.5°	75.4	75.4	75.4	76.4	77.5	76.4	77.5	78.5	78.5	80.5	79.5
80°	55.0	55.0	56.1	57.1	57.1	57.1	57.1	58.1	59.1	60.1	60.1
82.5°	35.7	36.7	36.7	37.7	37.7	37.7	38.7	38.7	39.7	40.8	40.8
85°	18.3	19.4	18.3	19.4	19.4	20.4	20.4	20.4	21.4	22.4	22.4
87.5°	4.1	3.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1	5.1	7.1
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	2.0	2.0	2.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1
100°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	5.1
102.5°	4.1	4.1	4.1	4.1	5.1	5.1	5.1	5.1	6.1	7.1	8.2
105°	6.1	6.1	6.1	6.1	6.1	6.1	7.1	8.2	9.2	12.2	17.3
107.5°	8.2	8.2	8.2	9.2	9.2	10.2	10.2	13.2	18.3	25.5	38.7
110°	12.2	13.2	13.2	15.3	17.3	19.4	21.4	29.6	40.8	57.1	70.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	25.5	27.5	28.5	34.7	42.8	47.9	52.0	67.3	83.6	93.8	99.9
115°	65.2	68.3	72.4	81.5	92.7	97.8	101.9	111.1	117.2	118.2	116.2
117.5°	122.3	123.3	125.4	130.5	133.5	134.5	134.5	135.6	134.5	131.5	127.4
120°	152.9	152.9	151.9	151.9	150.8	150.8	149.8	146.8	143.7	140.7	135.6
122.5°	165.1	164.1	163.1	162.1	161.0	159.0	158.0	154.9	151.9	147.8	142.7
125°	171.2	171.2	170.2	169.2	167.2	166.1	164.1	161.0	158.0	153.9	148.8
127.5°	177.3	176.3	175.3	174.3	172.2	171.2	170.2	167.2	163.1	159.0	154.9
130°	181.4	181.4	180.4	179.4	177.3	176.3	174.3	172.2	168.2	164.1	160.0
132.5°	185.5	185.5	184.5	183.5	181.4	180.4	179.4	176.3	172.2	169.2	165.1
135°	188.6	188.6	187.5	186.5	184.5	183.5	182.4	180.4	176.3	173.3	169.2
137.5°	191.6	190.6	189.6	189.6	187.5	186.5	185.5	183.5	179.4	176.3	173.3
140°	193.7	192.6	192.6	191.6	189.6	189.6	188.6	185.5	183.5	180.4	177.3
142.5°	194.7	194.7	194.7	193.7	191.6	191.6	190.6	188.6	185.5	183.5	181.4
145°	196.7	195.7	195.7	194.7	193.7	193.7	192.6	190.6	187.5	185.5	183.5
147.5°	197.7	197.7	196.7	196.7	195.7	194.7	194.7	192.6	189.6	187.5	186.5
150°	198.7	198.7	197.7	197.7	196.7	195.7	195.7	193.7	190.6	189.6	187.5
152.5°	198.7	198.7	198.7	197.7	197.7	196.7	195.7	193.7	192.6	190.6	188.6
155°	199.8	199.8	198.7	198.7	197.7	196.7	195.7	194.7	192.6	191.6	189.6
157.5°	198.7	199.8	198.7	197.7	197.7	196.7	195.7	194.7	192.6	192.6	190.6
160°	198.7	198.7	198.7	197.7	197.7	196.7	195.7	194.7	193.7	192.6	190.6
162.5°	197.7	197.7	197.7	197.7	196.7	196.7	195.7	193.7	192.6	192.6	190.6
165°	196.7	197.7	196.7	196.7	195.7	195.7	194.7	193.7	192.6	192.6	190.6
167.5°	195.7	195.7	194.7	194.7	193.7	193.7	192.6	191.6	191.6	191.6	189.6
170°	193.7	193.7	192.6	192.6	192.6	191.6	191.6	190.6	190.6	190.6	188.6
172.5°	191.6	191.6	190.6	190.6	190.6	189.6	189.6	188.6	188.6	188.6	187.5
175°	188.6	188.6	187.5	187.5	187.5	187.5	187.5	186.5	186.5	187.5	186.5
177.5°	184.5	183.5	184.5	184.5	184.5	184.5	184.5	183.5	184.5	184.5	184.5
180°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	562.6	561.6	560.6	562.6	563.6	564.7	565.7	567.7	568.7	568.7	567.7
5°	560.6	559.6	558.5	560.6	561.6	561.6	562.6	565.7	565.7	566.7	565.7
7.5°	556.5	555.5	555.5	556.5	557.5	558.5	559.6	561.6	562.6	562.6	561.6
10°	551.4	550.4	550.4	551.4	552.4	553.4	553.4	555.5	556.5	557.5	556.5
12.5°	545.3	543.2	543.2	544.3	545.3	546.3	547.3	549.4	550.4	550.4	549.4
15°	536.1	534.1	534.1	536.1	537.1	538.2	538.2	540.2	541.2	541.2	541.2
17.5°	526.9	524.9	524.9	525.9	526.9	528.0	528.0	531.0	531.0	532.0	531.0
20°	515.7	513.7	513.7	514.7	515.7	516.7	516.7	518.8	519.8	520.8	519.8
22.5°	502.5	501.5	501.5	502.5	503.5	504.5	504.5	506.6	507.6	507.6	507.6
25°	489.2	487.2	487.2	488.2	489.2	490.2	491.3	493.3	494.3	494.3	493.3
27.5°	475.0	472.9	471.9	472.9	475.0	476.0	477.0	479.0	480.1	480.1	479.0
30°	459.7	456.6	455.6	457.6	459.7	460.7	460.7	462.7	463.7	462.7	462.7
32.5°	442.3	441.3	439.3	440.3	442.3	443.4	444.4	446.4	447.4	447.4	445.4
35°	426.0	424.0	423.0	423.0	425.0	426.0	427.1	428.1	429.1	430.1	429.1
37.5°	408.7	406.7	405.7	406.7	407.7	408.7	409.7	410.7	411.8	411.8	410.7
40°	390.4	388.3	387.3	388.3	388.3	389.3	391.4	392.4	394.4	393.4	391.4
42.5°	371.0	369.0	369.0	367.9	370.0	372.0	372.0	373.0	375.1	374.1	373.0
45°	351.6	350.6	349.6	350.6	349.6	351.6	353.7	353.7	354.7	353.7	353.7
47.5°	331.2	330.2	330.2	331.2	331.2	331.2	333.3	334.3	334.3	334.3	334.3
50°	310.9	309.8	310.9	311.9	311.9	311.9	312.9	313.9	313.9	313.9	312.9
52.5°	289.5	291.5	290.5	291.5	291.5	292.5	293.5	293.5	294.6	293.5	292.5
55°	267.0	269.1	270.1	271.1	272.1	271.1	272.1	273.2	274.2	272.1	272.1
57.5°	245.6	246.7	247.7	248.7	249.7	248.7	249.7	250.7	249.7	250.7	249.7
60°	225.2	226.3	226.3	228.3	229.3	228.3	229.3	230.3	230.3	230.3	229.3
62.5°	205.9	205.9	205.9	208.9	207.9	207.9	208.9	210.0	210.0	210.0	208.9
65°	184.5	185.5	185.5	186.5	187.5	187.5	187.5	188.6	189.6	188.6	188.6
67.5°	162.1	165.1	164.1	165.1	166.1	167.2	168.2	168.2	168.2	169.2	168.2
70°	142.7	143.7	143.7	145.7	146.8	146.8	147.8	147.8	148.8	148.8	147.8
72.5°	122.3	123.3	124.3	125.4	125.4	126.4	126.4	126.4	128.4	127.4	127.4
75°	101.9	102.9	104.0	105.0	105.0	106.0	106.0	106.0	107.0	108.0	107.0
77.5°	81.5	82.6	83.6	84.6	84.6	85.6	86.6	85.6	86.6	87.7	86.6
80°	62.2	63.2	63.2	64.2	65.2	65.2	66.2	66.2	66.2	67.3	66.2
82.5°	42.8	43.8	43.8	45.9	45.9	46.9	46.9	46.9	46.9	47.9	46.9
85°	24.5	25.5	25.5	26.5	27.5	27.5	28.5	28.5	28.5	29.6	28.5
87.5°	7.1	8.2	8.2	9.2	10.2	10.2	11.2	11.2	11.2	12.2	12.2
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	2.0	2.0	2.0	2.0	1.0	2.0
95°	2.0	2.0	3.1	4.1	4.1	5.1	6.1	6.1	5.1	4.1	4.1
97.5°	3.1	4.1	6.1	9.2	10.2	11.2	12.2	11.2	9.2	7.1	7.1
100°	6.1	9.2	13.2	17.3	19.4	20.4	20.4	17.3	14.3	12.2	10.2
102.5°	12.2	18.3	25.5	30.6	31.6	31.6	29.6	25.5	21.4	17.3	15.3
105°	25.5	36.7	43.8	45.9	44.8	43.8	39.7	34.7	29.6	24.5	21.4
107.5°	51.0	61.2	62.2	60.1	58.1	56.1	49.9	43.8	37.7	32.6	28.5
110°	78.5	80.5	78.5	72.4	70.3	66.2	60.1	54.0	46.9	40.8	36.7



TEST NUMBER: P303047

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	98.9	94.8	89.7	83.6	80.5	77.5	70.3	64.2	56.1	49.9	44.8
115°	112.1	106.0	99.9	93.8	89.7	86.6	79.5	73.4	65.2	59.1	53.0
117.5°	121.3	115.2	109.1	102.9	98.9	95.8	89.7	81.5	74.4	67.3	62.2
120°	129.4	124.3	117.2	111.1	108.0	105.0	97.8	90.7	82.6	76.4	70.3
122.5°	137.6	131.5	125.4	119.2	116.2	113.1	106.0	97.8	91.7	84.6	78.5
125°	143.7	138.6	132.5	126.4	123.3	120.3	113.1	106.0	98.9	92.7	86.6
127.5°	149.8	144.7	138.6	132.5	129.4	126.4	119.2	113.1	107.0	100.9	94.8
130°	155.9	150.8	144.7	138.6	135.6	132.5	126.4	120.3	114.2	108.0	101.9
132.5°	162.1	155.9	150.8	144.7	141.7	138.6	132.5	126.4	121.3	115.2	110.1
135°	166.1	161.0	154.9	149.8	146.8	143.7	138.6	132.5	127.4	122.3	117.2
137.5°	170.2	165.1	159.0	153.9	150.8	148.8	143.7	138.6	133.5	128.4	123.3
140°	173.3	168.2	163.1	158.0	154.9	153.9	148.8	143.7	139.6	134.5	129.4
142.5°	176.3	171.2	166.1	161.0	159.0	158.0	152.9	148.8	144.7	139.6	135.6
145°	179.4	174.3	169.2	165.1	163.1	161.0	157.0	152.9	149.8	145.7	140.7
147.5°	181.4	176.3	172.2	168.2	166.1	165.1	161.0	158.0	153.9	149.8	145.7
150°	183.5	178.4	175.3	171.2	170.2	168.2	164.1	161.0	158.0	154.9	150.8
152.5°	185.5	180.4	177.3	174.3	173.3	171.2	168.2	165.1	163.1	159.0	155.9
155°	185.5	182.4	179.4	176.3	175.3	174.3	171.2	169.2	166.1	163.1	160.0
157.5°	186.5	183.5	180.4	178.4	177.3	176.3	173.3	172.2	169.2	167.2	163.1
160°	187.5	184.5	181.4	180.4	179.4	178.4	176.3	174.3	172.2	170.2	167.2
162.5°	187.5	185.5	182.4	181.4	180.4	180.4	177.3	176.3	174.3	172.2	170.2
165°	187.5	185.5	183.5	182.4	182.4	181.4	179.4	178.4	176.3	175.3	173.3
167.5°	187.5	185.5	184.5	183.5	183.5	182.4	180.4	180.4	178.4	177.3	175.3
170°	186.5	185.5	184.5	183.5	183.5	183.5	181.4	181.4	180.4	179.4	177.3
172.5°	185.5	184.5	183.5	183.5	183.5	182.4	181.4	181.4	181.4	180.4	179.4
175°	184.5	183.5	182.4	182.4	182.4	182.4	181.4	181.4	181.4	181.4	180.4
177.5°	182.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4	181.4
180°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4



TEST NUMBER: P303047

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	564.7	561.6	561.6	561.6	562.6	563.6	563.6	561.6	563.6	566.7	563.6
5°	561.6	558.5	558.5	559.6	559.6	560.6	560.6	558.5	561.6	563.6	560.6
7.5°	558.5	555.5	554.5	555.5	555.5	557.5	556.5	554.5	557.5	558.5	556.5
10°	552.4	549.4	549.4	549.4	550.4	551.4	550.4	548.3	551.4	552.4	550.4
12.5°	545.3	541.2	542.2	542.2	543.2	543.2	542.2	541.2	544.3	545.3	542.2
15°	536.1	533.1	533.1	533.1	534.1	535.1	534.1	532.0	535.1	535.1	532.0
17.5°	525.9	523.9	522.9	522.9	523.9	524.9	523.9	520.8	524.9	524.9	522.9
20°	514.7	512.7	511.7	511.7	512.7	512.7	511.7	509.6	512.7	512.7	509.6
22.5°	502.5	499.4	498.4	499.4	500.4	499.4	498.4	496.4	500.4	498.4	496.4
25°	488.2	487.2	485.2	486.2	486.2	486.2	484.1	483.1	485.2	483.1	481.1
27.5°	475.0	471.9	470.9	471.9	470.9	470.9	468.8	467.8	469.9	467.8	465.8
30°	458.7	455.6	455.6	455.6	455.6	454.6	452.5	452.5	453.6	452.5	449.5
32.5°	442.3	439.3	438.3	440.3	439.3	438.3	436.2	436.2	436.2	434.2	431.1
35°	425.0	422.0	422.0	423.0	422.0	420.9	418.9	418.9	417.9	415.8	413.8
37.5°	406.7	404.6	403.6	405.7	404.6	403.6	400.6	401.6	399.5	398.5	396.5
40°	388.3	386.3	385.3	387.3	387.3	384.2	383.2	383.2	381.2	379.2	377.1
42.5°	369.0	366.9	367.9	369.0	369.0	364.9	364.9	363.9	362.8	360.8	358.8
45°	350.6	348.6	348.6	350.6	349.6	346.5	346.5	344.5	343.5	341.4	338.4
47.5°	331.2	329.2	330.2	330.2	330.2	327.2	327.2	325.1	324.1	322.1	320.0
50°	310.9	309.8	310.9	309.8	310.9	307.8	307.8	305.8	304.7	302.7	299.7
52.5°	290.5	290.5	290.5	291.5	290.5	287.4	287.4	285.4	283.3	282.3	280.3
55°	269.1	270.1	270.1	270.1	270.1	266.0	265.0	263.0	261.9	259.9	257.9
57.5°	247.7	248.7	247.7	247.7	247.7	245.6	244.6	243.6	241.6	239.5	238.5
60°	228.3	228.3	227.3	227.3	227.3	225.2	224.2	223.2	221.2	219.1	219.1
62.5°	207.9	207.9	206.9	206.9	205.9	204.9	203.8	202.8	200.8	199.8	198.7
65°	187.5	187.5	186.5	185.5	185.5	184.5	183.5	181.4	180.4	178.4	178.4
67.5°	168.2	167.2	166.1	166.1	166.1	164.1	163.1	161.0	160.0	159.0	159.0
70°	147.8	146.8	145.7	145.7	145.7	143.7	142.7	140.7	139.6	138.6	138.6
72.5°	127.4	126.4	126.4	125.4	124.3	123.3	122.3	121.3	119.2	119.2	118.2
75°	107.0	106.0	105.0	105.0	104.0	102.9	101.9	99.9	99.9	99.9	98.9
77.5°	86.6	85.6	85.6	84.6	84.6	82.6	81.5	82.6	79.5	79.5	78.5
80°	66.2	65.2	66.2	64.2	64.2	63.2	62.2	62.2	60.1	60.1	59.1
82.5°	46.9	45.9	46.9	45.9	44.8	43.8	43.8	42.8	40.8	40.8	39.7
85°	28.5	27.5	28.5	27.5	26.5	25.5	24.5	24.5	22.4	21.4	21.4
87.5°	12.2	10.2	10.2	9.2	9.2	8.2	8.2	8.2	6.1	6.1	5.1
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°	2.0	3.1	3.1	3.1	4.1	4.1	4.1	3.1	3.1	3.1	3.1
95°	4.1	5.1	6.1	6.1	6.1	7.1	7.1	7.1	7.1	6.1	6.1
97.5°	6.1	7.1	7.1	8.2	8.2	9.2	10.2	10.2	10.2	10.2	10.2
100°	10.2	9.2	10.2	11.2	11.2	11.2	11.2	12.2	12.2	13.2	13.2
102.5°	14.3	13.2	13.2	13.2	13.2	14.3	14.3	14.3	14.3	15.3	15.3
105°	19.4	17.3	16.3	16.3	16.3	17.3	18.3	18.3	17.3	17.3	17.3
107.5°	25.5	22.4	20.4	20.4	20.4	20.4	20.4	21.4	22.4	21.4	21.4
110°	32.6	28.5	26.5	25.5	24.5	23.4	23.4	24.5	25.5	26.5	26.5



TEST NUMBER: P303047

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	39.7	35.7	32.6	31.6	29.6	28.5	27.5	27.5	28.5	29.6	29.6
115°	47.9	43.8	38.7	37.7	35.7	33.6	31.6	31.6	31.6	31.6	32.6
117.5°	56.1	51.0	46.9	44.8	42.8	39.7	36.7	35.7	34.7	34.7	35.7
120°	64.2	60.1	54.0	52.0	49.9	46.9	42.8	40.8	38.7	38.7	38.7
122.5°	72.4	68.3	63.2	60.1	58.1	54.0	49.9	46.9	44.8	42.8	41.8
125°	80.5	76.4	71.3	68.3	66.2	61.2	57.1	54.0	51.0	48.9	46.9
127.5°	88.7	83.6	79.5	77.5	74.4	69.3	65.2	62.2	58.1	55.0	53.0
130°	95.8	91.7	87.7	84.6	82.6	77.5	73.4	69.3	66.2	63.2	60.1
132.5°	104.0	98.9	94.8	92.7	90.7	85.6	81.5	77.5	74.4	71.3	68.3
135°	111.1	106.0	101.9	99.9	97.8	93.8	88.7	85.6	81.5	79.5	76.4
137.5°	117.2	113.1	109.1	107.0	105.0	100.9	96.8	93.8	89.7	86.6	83.6
140°	124.3	119.2	116.2	114.2	112.1	108.0	105.0	101.9	97.8	94.8	91.7
142.5°	130.5	126.4	122.3	120.3	119.2	115.2	111.1	109.1	106.0	102.9	99.9
145°	135.6	131.5	128.4	126.4	124.3	121.3	118.2	116.2	113.1	110.1	107.0
147.5°	140.7	136.6	133.5	132.5	130.5	127.4	124.3	122.3	120.3	118.2	115.2
150°	145.7	141.7	139.6	138.6	136.6	134.5	130.5	129.4	127.4	124.3	122.3
152.5°	150.8	147.8	144.7	143.7	142.7	139.6	136.6	134.5	133.5	130.5	128.4
155°	155.9	151.9	149.8	148.8	147.8	145.7	142.7	140.7	139.6	137.6	135.6
157.5°	159.0	155.9	153.9	152.9	151.9	149.8	147.8	145.7	145.7	142.7	141.7
160°	163.1	160.0	158.0	157.0	157.0	154.9	152.9	150.8	150.8	148.8	147.8
162.5°	166.1	164.1	162.1	162.1	161.0	159.0	158.0	155.9	155.9	154.9	152.9
165°	170.2	167.2	166.1	165.1	165.1	164.1	162.1	160.0	161.0	160.0	158.0
167.5°	172.2	170.2	169.2	169.2	168.2	167.2	166.1	164.1	165.1	164.1	163.1
170°	175.3	172.2	172.2	171.2	171.2	171.2	170.2	168.2	168.2	168.2	167.2
172.5°	176.3	174.3	174.3	174.3	174.3	173.3	173.3	171.2	172.2	172.2	171.2
175°	178.4	176.3	176.3	176.3	176.3	176.3	175.3	174.3	175.3	175.3	174.3
177.5°	179.4	178.4	178.4	178.4	178.4	178.4	178.4	177.3	178.4	179.4	177.3
180°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4



TEST NUMBER: P303047

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	563.6	563.6	562.6	562.6	563.6	560.6	558.5	558.5
5°	560.6	559.6	559.6	559.6	560.6	558.5	556.5	556.5
7.5°	556.5	555.5	554.5	555.5	556.5	554.5	552.4	552.4
10°	550.4	549.4	548.3	548.3	549.4	547.3	546.3	546.3
12.5°	542.2	540.2	539.2	540.2	541.2	539.2	538.2	538.2
15°	532.0	531.0	531.0	531.0	532.0	530.0	528.0	529.0
17.5°	521.8	520.8	519.8	520.8	520.8	518.8	516.7	516.7
20°	508.6	507.6	506.6	507.6	507.6	505.5	503.5	503.5
22.5°	494.3	493.3	492.3	493.3	493.3	491.3	489.2	489.2
25°	479.0	477.0	477.0	478.0	477.0	476.0	473.9	473.9
27.5°	463.7	461.7	461.7	462.7	461.7	458.7	457.6	456.6
30°	447.4	444.4	444.4	445.4	444.4	441.3	440.3	440.3
32.5°	429.1	427.1	428.1	428.1	427.1	424.0	423.0	423.0
35°	411.8	409.7	410.7	410.7	408.7	406.7	405.7	404.6
37.5°	393.4	392.4	393.4	392.4	391.4	388.3	387.3	387.3
40°	374.1	374.1	375.1	373.0	372.0	370.0	367.9	369.0
42.5°	355.7	354.7	355.7	354.7	353.7	351.6	349.6	349.6
45°	336.3	336.3	335.3	335.3	334.3	332.3	330.2	331.2
47.5°	317.0	317.0	317.0	316.0	314.9	312.9	311.9	311.9
50°	297.6	297.6	296.6	296.6	294.6	292.5	292.5	293.5
52.5°	278.2	277.2	277.2	276.2	276.2	274.2	272.1	272.1
55°	256.8	255.8	254.8	254.8	253.8	252.8	250.7	251.7
57.5°	237.5	235.4	236.5	234.4	234.4	232.4	231.4	231.4
60°	217.1	216.1	216.1	215.1	214.0	213.0	212.0	212.0
62.5°	197.7	195.7	195.7	194.7	194.7	193.7	192.6	192.6
65°	177.3	175.3	175.3	174.3	175.3	173.3	173.3	173.3
67.5°	157.0	155.9	155.9	154.9	154.9	153.9	152.9	153.9
70°	137.6	136.6	135.6	134.5	135.6	134.5	134.5	133.5
72.5°	117.2	116.2	116.2	116.2	115.2	114.2	114.2	114.2
75°	97.8	96.8	96.8	95.8	95.8	94.8	93.8	94.8
77.5°	78.5	77.5	76.4	76.4	76.4	75.4	76.4	75.4
80°	59.1	57.1	57.1	57.1	57.1	56.1	57.1	55.0
82.5°	39.7	37.7	37.7	37.7	36.7	36.7	36.7	35.7
85°	20.4	20.4	20.4	19.4	19.4	19.4	19.4	18.3
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
95°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
97.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
100°	13.2	13.2	13.2	13.2	14.3	13.2	13.2	13.2
102.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
105°	18.3	18.3	18.3	18.3	19.4	19.4	19.4	19.4
107.5°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
110°	26.5	25.5	25.5	25.5	24.5	24.5	24.5	24.5



TEST NUMBER: P303047

CATALOG NUMBER: CTW-F-2575-20L840-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	30.6	30.6	30.6	30.6	30.6	30.6	29.6	29.6
115°	33.6	33.6	34.7	34.7	34.7	34.7	34.7	34.7
117.5°	35.7	36.7	36.7	36.7	37.7	37.7	37.7	37.7
120°	38.7	38.7	38.7	38.7	39.7	39.7	39.7	39.7
122.5°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
125°	45.9	44.8	44.8	44.8	44.8	44.8	43.8	43.8
127.5°	51.0	49.9	48.9	48.9	47.9	47.9	46.9	46.9
130°	57.1	56.1	55.0	54.0	53.0	53.0	52.0	52.0
132.5°	65.2	63.2	62.2	61.2	60.1	59.1	58.1	58.1
135°	73.4	71.3	70.3	69.3	67.3	66.2	65.2	65.2
137.5°	81.5	79.5	78.5	77.5	75.4	74.4	73.4	73.4
140°	89.7	87.7	86.6	85.6	83.6	82.6	81.5	81.5
142.5°	96.8	94.8	94.8	93.8	91.7	90.7	89.7	89.7
145°	105.0	102.9	101.9	101.9	99.9	97.8	97.8	96.8
147.5°	112.1	111.1	110.1	109.1	108.0	106.0	106.0	105.0
150°	120.3	118.2	117.2	117.2	115.2	114.2	113.1	113.1
152.5°	127.4	125.4	124.3	124.3	123.3	122.3	121.3	121.3
155°	133.5	131.5	131.5	131.5	130.5	129.4	128.4	128.4
157.5°	139.6	138.6	137.6	137.6	137.6	135.6	135.6	135.6
160°	145.7	144.7	144.7	144.7	143.7	142.7	142.7	142.7
162.5°	151.9	150.8	150.8	150.8	149.8	148.8	148.8	148.8
165°	157.0	155.9	155.9	155.9	155.9	154.9	154.9	154.9
167.5°	162.1	161.0	161.0	161.0	161.0	160.0	160.0	160.0
170°	166.1	166.1	165.1	165.1	165.1	165.1	164.1	165.1
172.5°	170.2	170.2	169.2	169.2	170.2	169.2	168.2	169.2
175°	174.3	174.3	173.3	173.3	173.3	172.2	171.2	172.2
177.5°	178.4	177.3	177.3	177.3	177.3	176.3	174.3	174.3
180°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4

(END OF REPORT)