

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: P303191

Luminaire Tested: **CTW-F-7525-20L935-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303191
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-6
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

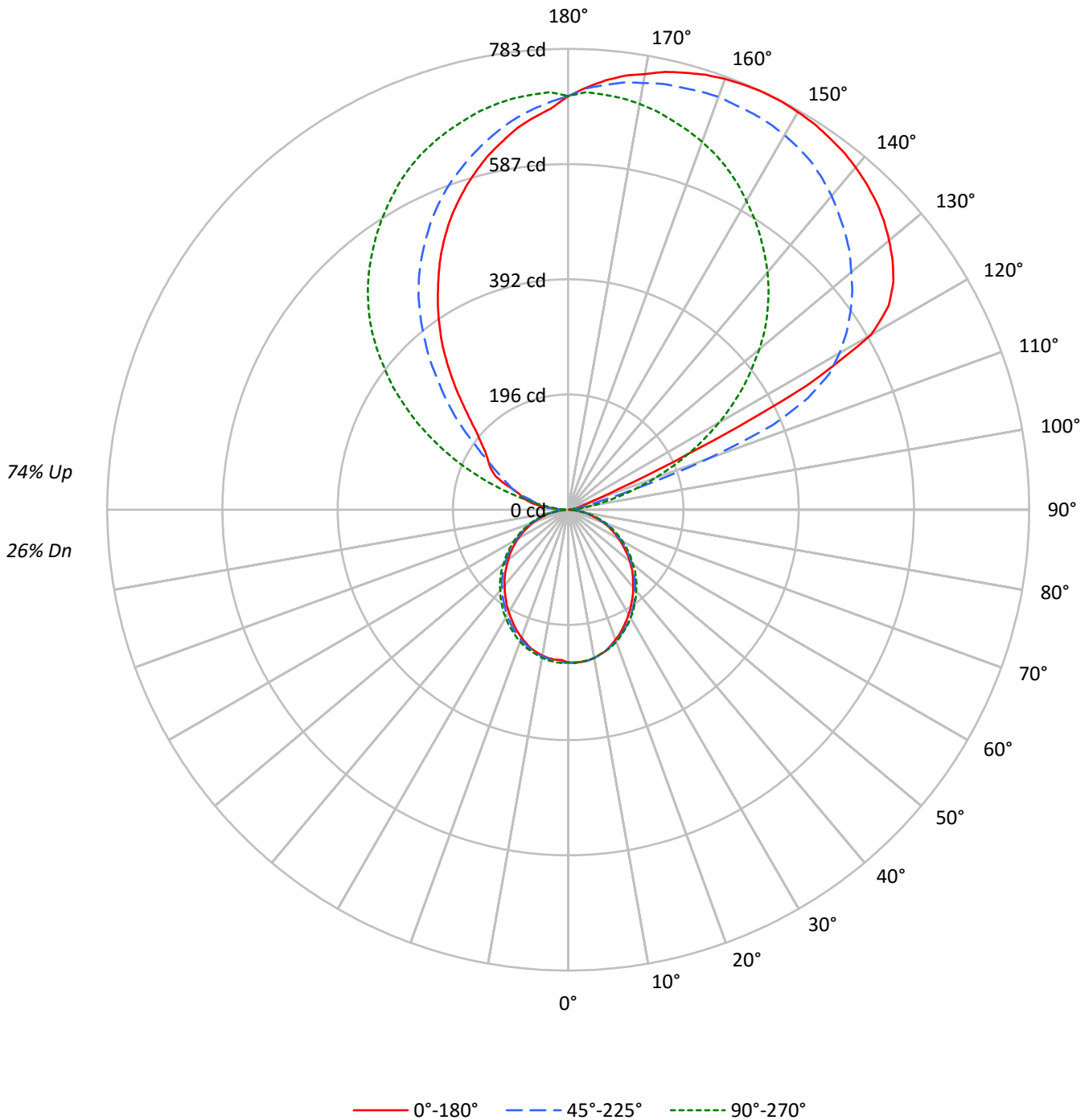
Lumens per Lamp: N/A
Luminaire Lumens: 2680.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 23.2
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	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°	3740	3740	3684
10°	3726	3726	3670
15°	3685	3685	3627
20°	3591	3649	3531
25°	3496	3579	3436
30°	3402	3510	3339
35°	3304	3439	3236
40°	3219	3363	3146
45°	3146	3302	3067
50°	3057	3202	2970
55°	2940	3135	2908
60°	2853	3040	2819
65°	2764	2982	2720
70°	2656	2870	2602
75°	2434	2723	2434
80°	2132	2562	2132
85°	1482	2338	1696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.9
10°-20°	69.3	2.6
20°-30°	102.3	3.8
30°-40°	120.1	4.5
40°-50°	121.7	4.5
50°-60°	108.5	4.0
60°-70°	83.2	3.1
70°-80°	49.4	1.8
80°-90°	13.9	0.5
90°-100°	21.1	0.8
100°-110°	85.7	3.2
110°-120°	240.1	9.0
120°-130°	350.2	13.1
130°-140°	377.2	14.1
140°-150°	359.3	13.4
150°-160°	294.9	11.0
160°-170°	192.6	7.2
170°-180°	66.8	2.5
0°-30°	196.2	7.3
0°-40°	316.3	11.8
0°-60°	546.5	20.4
0°-90°	693.0	25.9
90°-120°	346.9	12.9
90°-150°	1433.5	53.5
90°-180°	1988.0	74.2
0°-180°	2680.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	260	260	260	260	260	
5°	260	260	260	258	256	25
15°	248	248	248	245	244	70
25°	221	225	226	222	217	102
35°	189	195	196	191	185	118
45°	155	159	163	158	151	119
55°	118	121	125	121	116	106
65°	81	84	88	84	80	81
75°	44	46	49	46	44	46
85°	9	12	14	12	10	11
90°	1	1	1	5	8	1
95°	5	6	16	28	28	5
105°	23	57	93	67	80	27
115°	227	449	226	120	137	269
125°	674	585	363	194	172	597
135°	740	665	479	314	252	571
145°	772	721	568	443	381	485
155°	783	743	639	546	501	362
165°	768	743	684	625	598	218
175°	732	724	708	683	669	70
180°	703	703	703	703	703	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	260.9	260.9
5°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	258.3	259.6	259.6	259.6
7.5°	258.3	258.3	258.3	258.3	258.3	258.3	257.0	257.0	257.0	258.3	258.3
10°	255.7	255.7	255.7	254.4	254.4	255.7	254.4	254.4	255.7	255.7	255.7
12.5°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	250.6	251.8	253.1	251.8
15°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	246.7	248.0	249.3	248.0
17.5°	241.5	241.5	241.5	241.5	242.8	242.8	242.8	241.5	242.8	244.1	242.8
20°	235.1	235.1	235.1	236.3	236.3	236.3	236.3	236.3	236.3	237.6	237.6
22.5°	228.6	228.6	228.6	228.6	229.9	229.9	229.9	228.6	229.9	231.2	231.2
25°	220.8	220.8	220.8	220.8	222.1	222.1	222.1	222.1	223.4	224.7	224.7
27.5°	213.1	213.1	213.1	214.4	215.7	215.7	215.7	215.7	215.7	217.0	218.3
30°	205.3	205.3	205.3	206.6	206.6	207.9	207.9	207.9	207.9	209.2	210.5
32.5°	197.6	197.6	197.6	198.9	198.9	198.9	200.2	200.2	200.2	201.5	202.8
35°	188.6	189.9	189.9	189.9	191.1	191.1	191.1	191.1	192.4	193.7	195.0
37.5°	180.8	180.8	180.8	180.8	182.1	182.1	182.1	183.4	183.4	184.7	186.0
40°	171.8	171.8	171.8	173.1	173.1	173.1	174.4	174.4	175.6	176.9	176.9
42.5°	162.7	162.7	162.7	164.0	164.0	164.0	165.3	166.6	166.6	167.9	167.9
45°	155.0	153.7	155.0	155.0	155.0	155.0	156.3	156.3	157.6	158.9	158.9
47.5°	145.9	144.6	145.9	145.9	145.9	145.9	147.2	147.2	148.5	148.5	149.8
50°	136.9	135.6	136.9	136.9	136.9	136.9	138.2	138.2	139.5	139.5	140.8
52.5°	127.9	127.9	127.9	127.9	127.9	127.9	127.9	129.2	130.4	130.4	131.7
55°	117.5	117.5	118.8	118.8	118.8	118.8	118.8	120.1	120.1	121.4	121.4
57.5°	108.5	108.5	108.5	109.8	109.8	109.8	109.8	111.1	111.1	112.4	112.4
60°	99.4	99.4	99.4	99.4	100.7	100.7	100.7	100.7	102.0	103.3	103.3
62.5°	90.4	90.4	90.4	90.4	91.7	91.7	90.4	91.7	91.7	93.0	93.0
65°	81.4	81.4	81.4	81.4	81.4	81.4	81.4	82.7	82.7	83.9	83.9
67.5°	72.3	71.0	72.3	72.3	72.3	72.3	72.3	73.6	73.6	73.6	74.9
70°	63.3	62.0	62.0	62.0	63.3	63.3	63.3	64.6	63.3	64.6	64.6
72.5°	53.0	53.0	53.0	53.0	53.0	54.2	54.2	54.2	54.2	55.5	55.5
75°	43.9	43.9	43.9	43.9	43.9	43.9	45.2	45.2	45.2	46.5	46.5
77.5°	34.9	34.9	34.9	34.9	34.9	34.9	36.2	36.2	36.2	36.2	37.5
80°	25.8	25.8	25.8	25.8	25.8	25.8	27.1	27.1	27.1	27.1	28.4
82.5°	16.8	16.8	16.8	18.1	16.8	18.1	18.1	18.1	18.1	18.1	19.4
85°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.3	10.3	11.6
87.5°	2.6	1.3	1.3	2.6	1.3	2.6	2.6	2.6	2.6	2.6	2.6
90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
92.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
95°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5
97.5°	7.7	7.7	7.7	7.7	7.7	9.0	9.0	9.0	9.0	10.3	11.6
100°	11.6	11.6	11.6	11.6	12.9	12.9	12.9	14.2	14.2	16.8	18.1
102.5°	16.8	16.8	16.8	16.8	18.1	18.1	19.4	20.7	22.0	25.8	32.3
105°	23.2	23.2	23.2	24.5	25.8	25.8	27.1	29.7	34.9	42.6	56.8
107.5°	32.3	32.3	33.6	34.9	37.5	38.7	41.3	50.4	62.0	82.7	124.0
110°	49.1	49.1	51.7	55.5	63.3	68.4	77.5	102.0	138.2	191.1	248.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	93.0	94.3	104.6	112.4	138.2	157.6	184.7	238.9	294.5	342.2	375.8
115°	227.3	231.2	257.0	271.2	329.3	341.0	370.7	422.3	446.9	453.3	449.4
117.5°	457.2	458.5	476.6	488.2	510.1	517.9	520.5	529.5	524.4	514.0	499.8
120°	594.1	591.5	594.1	590.2	591.5	588.9	585.1	577.3	564.4	550.2	532.1
122.5°	645.8	644.5	641.9	634.1	630.3	625.1	618.6	609.6	596.7	578.6	560.5
125°	674.2	672.9	670.3	662.5	656.1	650.9	645.8	635.4	619.9	604.4	585.1
127.5°	694.8	693.5	689.7	684.5	676.7	671.6	666.4	656.1	640.6	625.1	608.3
130°	711.6	710.3	706.5	702.6	694.8	691.0	685.8	675.5	660.0	644.5	627.7
132.5°	727.1	725.8	723.2	719.4	711.6	706.5	702.6	693.5	676.7	661.2	648.3
135°	740.0	737.4	737.4	732.3	724.5	720.7	716.8	707.7	692.2	678.0	665.1
137.5°	750.4	749.1	746.5	742.6	736.2	732.3	728.4	719.4	706.5	692.2	680.6
140°	759.4	758.1	756.8	752.9	746.5	742.6	740.0	729.7	718.1	706.5	696.1
142.5°	767.2	765.9	763.3	760.7	754.2	751.7	749.1	740.0	727.1	718.1	709.0
145°	772.3	772.3	769.7	767.2	762.0	759.4	756.8	746.5	736.2	728.4	720.7
147.5°	777.5	777.5	773.6	772.3	768.4	765.9	763.3	752.9	742.6	736.2	728.4
150°	780.1	780.1	777.5	774.9	771.0	769.7	767.2	758.1	749.1	743.9	734.9
152.5°	782.7	782.7	780.1	777.5	773.6	772.3	768.4	762.0	752.9	747.8	740.0
155°	782.7	783.9	780.1	777.5	774.9	773.6	769.7	762.0	755.5	751.7	742.6
157.5°	781.4	781.4	780.1	777.5	773.6	772.3	768.4	760.7	755.5	754.2	743.9
160°	778.8	778.8	777.5	773.6	772.3	769.7	765.9	760.7	756.8	754.2	746.5
162.5°	774.9	773.6	772.3	769.7	768.4	767.2	764.6	758.1	754.2	752.9	745.2
165°	768.4	767.2	765.9	764.6	763.3	762.0	759.4	752.9	751.7	750.4	742.6
167.5°	762.0	759.4	758.1	755.5	755.5	752.9	751.7	747.8	746.5	746.5	741.3
170°	751.7	750.4	749.1	747.8	747.8	746.5	745.2	740.0	740.0	741.3	736.2
172.5°	743.9	741.3	741.3	740.0	740.0	738.7	737.4	733.6	733.6	734.9	732.3
175°	732.3	731.0	729.7	728.4	728.4	728.4	727.1	724.5	725.8	727.1	724.5
177.5°	718.1	714.2	715.5	715.5	718.1	716.8	716.8	714.2	715.5	718.1	716.8
180°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	258.3	258.3	257.0	258.3	258.3	258.3	259.6	259.6	260.9	260.9	260.9
5°	258.3	257.0	257.0	257.0	258.3	258.3	258.3	259.6	259.6	259.6	259.6
7.5°	255.7	255.7	255.7	255.7	255.7	257.0	257.0	257.0	258.3	258.3	257.0
10°	254.4	253.1	253.1	253.1	254.4	254.4	254.4	255.7	255.7	255.7	254.4
12.5°	250.6	250.6	249.3	250.6	250.6	250.6	250.6	251.8	251.8	251.8	251.8
15°	246.7	246.7	245.4	246.7	246.7	246.7	246.7	248.0	249.3	248.0	248.0
17.5°	241.5	241.5	241.5	241.5	241.5	242.8	242.8	244.1	244.1	244.1	242.8
20°	236.3	236.3	236.3	236.3	236.3	236.3	237.6	237.6	238.9	238.9	237.6
22.5°	229.9	229.9	229.9	229.9	231.2	231.2	231.2	232.5	232.5	232.5	231.2
25°	224.7	223.4	223.4	223.4	224.7	224.7	224.7	226.0	226.0	226.0	226.0
27.5°	217.0	217.0	215.7	217.0	217.0	218.3	218.3	219.6	219.6	219.6	218.3
30°	210.5	209.2	209.2	209.2	210.5	210.5	211.8	211.8	213.1	211.8	211.8
32.5°	202.8	202.8	201.5	202.8	202.8	202.8	204.1	204.1	205.3	205.3	204.1
35°	195.0	193.7	193.7	195.0	195.0	195.0	196.3	196.3	197.6	196.3	196.3
37.5°	187.3	186.0	186.0	186.0	186.0	187.3	188.6	188.6	188.6	188.6	188.6
40°	178.2	178.2	178.2	178.2	178.2	178.2	179.5	179.5	180.8	179.5	179.5
42.5°	170.5	169.2	169.2	169.2	169.2	170.5	170.5	171.8	171.8	171.8	170.5
45°	161.4	161.4	161.4	160.1	160.1	161.4	162.7	162.7	162.7	162.7	161.4
47.5°	152.4	151.1	152.4	152.4	151.1	152.4	153.7	153.7	153.7	153.7	152.4
50°	142.1	142.1	142.1	143.4	142.1	143.4	144.6	144.6	144.6	143.4	143.4
52.5°	131.7	133.0	134.3	134.3	133.0	134.3	134.3	134.3	134.3	134.3	134.3
55°	122.7	124.0	124.0	124.0	124.0	125.3	125.3	125.3	125.3	125.3	125.3
57.5°	113.7	113.7	114.9	114.9	114.9	114.9	114.9	116.2	114.9	114.9	114.9
60°	103.3	104.6	105.9	105.9	105.9	105.9	105.9	107.2	105.9	105.9	105.9
62.5°	94.3	94.3	95.6	96.9	95.6	96.9	96.9	96.9	96.9	96.9	96.9
65°	85.2	85.2	86.5	86.5	86.5	86.5	86.5	87.8	86.5	87.8	87.8
67.5°	74.9	76.2	76.2	77.5	77.5	77.5	77.5	78.8	78.8	77.5	77.5
70°	65.9	65.9	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
72.5°	55.5	56.8	56.8	58.1	58.1	58.1	58.1	59.4	59.4	59.4	59.4
75°	46.5	47.8	47.8	49.1	47.8	49.1	49.1	49.1	50.4	49.1	50.4
77.5°	37.5	38.7	38.7	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
80°	28.4	29.7	29.7	29.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0
82.5°	19.4	20.7	20.7	20.7	20.7	22.0	22.0	22.0	22.0	22.0	22.0
85°	11.6	11.6	11.6	12.9	12.9	12.9	12.9	14.2	14.2	14.2	14.2
87.5°	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5
90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
92.5°	3.9	3.9	3.9	3.9	5.2	5.2	7.7	7.7	6.5	6.5	6.5
95°	7.7	7.7	10.3	12.9	15.5	18.1	20.7	20.7	18.1	15.5	14.2
97.5°	12.9	16.8	22.0	29.7	33.6	38.7	42.6	38.7	33.6	28.4	25.8
100°	23.2	31.0	43.9	59.4	65.9	71.0	72.3	64.6	54.2	43.9	40.0
102.5°	43.9	59.4	86.5	107.2	112.4	116.2	109.8	95.6	81.4	65.9	58.1
105°	83.9	118.8	156.3	166.6	169.2	166.6	152.4	131.7	112.4	93.0	81.4
107.5°	171.8	211.8	235.1	229.9	223.4	215.7	195.0	170.5	147.2	122.7	108.5
110°	285.4	302.2	300.9	282.8	269.9	258.3	236.3	209.2	182.1	156.3	138.2



TEST NUMBER: P303191

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	379.7	370.7	352.6	326.8	312.5	298.3	275.1	248.0	218.3	191.1	171.8
115°	436.5	417.2	392.6	369.4	355.2	339.7	312.5	284.1	254.4	226.0	205.3
117.5°	476.6	454.6	431.4	405.5	391.3	377.1	351.3	319.0	289.3	260.9	238.9
120°	508.9	485.6	461.1	437.8	424.9	412.0	384.9	355.2	322.9	295.8	271.2
122.5°	538.6	515.3	493.4	468.8	454.6	443.0	414.6	386.2	357.7	329.3	303.5
125°	565.7	545.0	519.2	495.9	484.3	471.4	444.3	415.9	390.0	362.9	338.4
127.5°	590.2	569.6	546.3	520.5	508.9	497.2	468.8	443.0	419.7	392.6	369.4
130°	612.2	591.5	569.6	545.0	534.7	521.8	495.9	470.1	448.2	423.6	399.1
132.5°	632.8	612.2	590.2	567.0	555.3	543.7	521.8	495.9	475.3	453.3	428.8
135°	650.9	630.3	608.3	585.1	574.7	564.4	542.4	520.5	498.5	479.1	455.9
137.5°	666.4	647.0	625.1	603.1	594.1	583.8	563.1	542.4	523.1	503.7	481.7
140°	680.6	661.2	639.3	618.6	609.6	601.8	581.2	563.1	546.3	526.9	506.3
142.5°	693.5	672.9	652.2	632.8	625.1	617.3	599.3	582.5	567.0	547.6	529.5
145°	703.9	683.2	663.8	645.8	640.6	631.5	614.8	600.5	585.1	568.3	551.5
147.5°	714.2	694.8	675.5	658.7	653.5	645.8	631.5	617.3	603.1	587.6	572.1
150°	720.7	702.6	685.8	671.6	666.4	658.7	644.5	632.8	621.2	605.7	590.2
152.5°	725.8	709.0	693.5	681.9	678.0	671.6	658.7	649.6	636.7	623.8	609.6
155°	729.7	714.2	701.3	691.0	687.1	683.2	670.3	662.5	650.9	639.3	626.4
157.5°	732.3	718.1	706.5	698.7	694.8	691.0	679.3	672.9	663.8	653.5	640.6
160°	733.6	720.7	711.6	705.2	701.3	697.4	689.7	681.9	672.9	665.1	654.8
162.5°	733.6	723.2	714.2	709.0	706.5	703.9	696.1	689.7	683.2	675.5	666.4
165°	733.6	724.5	716.8	712.9	710.3	709.0	701.3	697.4	691.0	684.5	676.7
167.5°	731.0	723.2	718.1	715.5	712.9	711.6	706.5	701.3	697.4	693.5	685.8
170°	728.4	721.9	716.8	715.5	714.2	712.9	709.0	706.5	703.9	700.0	693.5
172.5°	724.5	719.4	715.5	714.2	714.2	712.9	710.3	709.0	707.7	705.2	700.0
175°	718.1	714.2	710.3	711.6	711.6	711.6	709.0	710.3	709.0	707.7	703.9
177.5°	710.3	707.7	706.5	707.7	707.7	707.7	707.7	709.0	710.3	710.3	706.5
180°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6



TEST NUMBER: P303191

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	258.3	257.0	257.0	257.0	258.3	258.3	258.3	258.3	259.6	259.6	259.6
5°	257.0	255.7	255.7	255.7	257.0	257.0	257.0	257.0	258.3	258.3	258.3
7.5°	255.7	254.4	254.4	254.4	254.4	255.7	255.7	254.4	255.7	257.0	255.7
10°	253.1	251.8	251.8	251.8	251.8	253.1	253.1	251.8	253.1	253.1	253.1
12.5°	249.3	248.0	248.0	248.0	249.3	249.3	249.3	248.0	249.3	250.6	249.3
15°	245.4	244.1	244.1	244.1	244.1	245.4	245.4	244.1	245.4	245.4	244.1
17.5°	241.5	240.2	238.9	238.9	240.2	240.2	240.2	238.9	240.2	240.2	238.9
20°	235.1	233.8	233.8	233.8	235.1	235.1	233.8	233.8	235.1	233.8	233.8
22.5°	229.9	228.6	228.6	228.6	228.6	228.6	228.6	227.3	228.6	227.3	227.3
25°	223.4	222.1	222.1	222.1	222.1	222.1	220.8	220.8	222.1	220.8	219.6
27.5°	217.0	215.7	215.7	215.7	215.7	215.7	214.4	214.4	214.4	213.1	213.1
30°	209.2	209.2	207.9	207.9	207.9	207.9	206.6	206.6	207.9	206.6	205.3
32.5°	202.8	201.5	201.5	201.5	201.5	200.2	198.9	198.9	198.9	198.9	197.6
35°	193.7	193.7	193.7	193.7	192.4	192.4	191.1	192.4	191.1	189.9	189.9
37.5°	186.0	186.0	184.7	184.7	184.7	184.7	183.4	184.7	183.4	182.1	180.8
40°	178.2	176.9	176.9	176.9	176.9	175.6	175.6	175.6	174.4	173.1	173.1
42.5°	169.2	169.2	167.9	169.2	167.9	167.9	166.6	167.9	166.6	165.3	164.0
45°	160.1	160.1	160.1	160.1	160.1	158.9	158.9	158.9	157.6	156.3	155.0
47.5°	151.1	151.1	151.1	152.4	151.1	149.8	149.8	149.8	148.5	147.2	145.9
50°	142.1	142.1	142.1	142.1	142.1	140.8	140.8	139.5	139.5	138.2	136.9
52.5°	133.0	133.0	133.0	134.3	133.0	131.7	131.7	131.7	130.4	129.2	127.9
55°	124.0	124.0	125.3	124.0	124.0	124.0	122.7	122.7	121.4	120.1	118.8
57.5°	114.9	114.9	114.9	114.9	114.9	113.7	113.7	113.7	112.4	111.1	109.8
60°	105.9	105.9	105.9	105.9	104.6	104.6	104.6	103.3	102.0	100.7	100.7
62.5°	95.6	96.9	96.9	95.6	95.6	95.6	94.3	94.3	93.0	93.0	91.7
65°	86.5	87.8	86.5	86.5	86.5	86.5	85.2	85.2	83.9	82.7	82.7
67.5°	77.5	77.5	77.5	77.5	77.5	76.2	76.2	74.9	74.9	73.6	73.6
70°	68.4	68.4	67.2	67.2	68.4	67.2	65.9	65.9	65.9	64.6	64.6
72.5°	59.4	59.4	58.1	58.1	58.1	58.1	56.8	56.8	55.5	55.5	54.2
75°	49.1	49.1	49.1	49.1	49.1	47.8	47.8	47.8	46.5	46.5	45.2
77.5°	40.0	40.0	40.0	40.0	40.0	38.7	38.7	38.7	38.7	37.5	37.5
80°	31.0	31.0	31.0	31.0	31.0	29.7	29.7	29.7	28.4	28.4	27.1
82.5°	22.0	22.0	22.0	22.0	22.0	20.7	20.7	20.7	19.4	19.4	19.4
85°	14.2	12.9	12.9	12.9	12.9	12.9	11.6	11.6	11.6	11.6	10.3
87.5°	6.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.9	5.2
90°	1.3	2.6	2.6	3.9	3.9	3.9	3.9	5.2	5.2	5.2	5.2
92.5°	10.3	12.9	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
95°	16.8	19.4	24.5	25.8	27.1	29.7	29.7	29.7	28.4	28.4	28.4
97.5°	24.5	28.4	28.4	31.0	32.3	37.5	41.3	42.6	45.2	45.2	45.2
100°	37.5	36.2	40.0	42.6	42.6	42.6	45.2	50.4	53.0	55.5	56.8
102.5°	54.2	49.1	49.1	50.4	53.0	58.1	54.2	55.5	58.1	60.7	64.6
105°	72.3	67.2	63.3	62.0	63.3	67.2	71.0	69.7	67.2	68.4	71.0
107.5°	95.6	86.5	78.8	77.5	77.5	77.5	81.4	85.2	87.8	85.2	82.7
110°	122.7	108.5	100.7	94.3	93.0	91.7	91.7	94.3	99.4	103.3	104.6



TEST NUMBER: P303191

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	152.4	135.6	122.7	116.2	112.4	107.2	105.9	105.9	108.5	113.7	117.5
115°	183.4	165.3	148.5	142.1	135.6	126.6	122.7	120.1	120.1	122.7	126.6
117.5°	215.7	196.3	178.2	167.9	162.7	149.8	140.8	135.6	134.3	134.3	136.9
120°	248.0	229.9	209.2	197.6	191.1	176.9	164.0	153.7	149.8	148.5	147.2
122.5°	280.3	260.9	241.5	229.9	222.1	205.3	192.4	176.9	170.5	164.0	162.7
125°	312.5	293.2	272.5	263.5	253.1	235.1	220.8	205.3	193.7	184.7	178.2
127.5°	346.1	324.2	303.5	297.0	285.4	267.3	251.8	236.3	223.4	210.5	201.5
130°	375.8	357.7	338.4	328.0	317.7	299.6	281.5	266.0	254.4	241.5	229.9
132.5°	405.5	387.5	369.4	362.9	352.6	331.9	315.1	297.0	284.1	271.2	260.9
135°	432.7	414.6	397.8	391.3	382.3	364.2	348.7	330.6	313.8	302.2	291.9
137.5°	458.5	441.7	424.9	418.4	410.7	393.9	379.7	364.2	348.7	337.1	321.6
140°	484.3	467.5	452.0	445.6	437.8	422.3	406.8	395.2	379.7	368.1	356.5
142.5°	508.9	492.1	476.6	470.1	464.9	449.4	435.2	424.9	412.0	399.1	388.7
145°	532.1	514.0	501.1	494.6	489.5	475.3	462.4	453.3	443.0	430.1	419.7
147.5°	552.8	536.0	523.1	519.2	514.0	502.4	489.5	479.1	471.4	459.8	449.4
150°	572.1	556.6	545.0	541.1	537.3	524.4	512.7	503.7	497.2	486.9	476.6
152.5°	592.8	577.3	567.0	563.1	557.9	547.6	537.3	526.9	521.8	514.0	503.7
155°	609.6	596.7	586.3	582.5	577.3	569.6	557.9	550.2	546.3	537.3	528.2
157.5°	626.4	613.5	604.4	600.5	596.7	588.9	578.6	570.8	568.3	560.5	552.8
160°	640.6	629.0	619.9	616.0	613.5	607.0	598.0	590.2	588.9	583.8	576.0
162.5°	653.5	641.9	635.4	631.5	629.0	625.1	616.0	608.3	607.0	603.1	596.7
165°	663.8	653.5	648.3	645.8	644.5	640.6	632.8	625.1	625.1	622.5	614.8
167.5°	675.5	665.1	660.0	658.7	657.4	653.5	648.3	641.9	641.9	639.3	632.8
170°	684.5	675.5	671.6	670.3	669.0	666.4	662.5	656.1	657.4	654.8	649.6
172.5°	691.0	684.5	681.9	679.3	679.3	678.0	675.5	670.3	671.6	670.3	665.1
175°	696.1	689.7	689.7	687.1	688.4	688.4	684.5	680.6	683.2	684.5	679.3
177.5°	700.0	694.8	694.8	694.8	696.1	696.1	694.8	691.0	693.5	696.1	691.0
180°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6



TEST NUMBER: P303191

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	259.6	259.6	259.6	258.3	259.6	257.0	255.7	255.7
5°	257.0	257.0	257.0	257.0	257.0	257.0	255.7	255.7
7.5°	255.7	255.7	254.4	254.4	255.7	255.7	254.4	254.4
10°	251.8	251.8	251.8	251.8	253.1	251.8	251.8	251.8
12.5°	249.3	248.0	248.0	248.0	249.3	248.0	248.0	248.0
15°	244.1	244.1	244.1	244.1	245.4	244.1	244.1	244.1
17.5°	238.9	238.9	238.9	238.9	240.2	238.9	237.6	237.6
20°	233.8	232.5	232.5	232.5	232.5	232.5	231.2	231.2
22.5°	226.0	226.0	226.0	226.0	226.0	224.7	224.7	224.7
25°	219.6	218.3	218.3	219.6	218.3	218.3	217.0	217.0
27.5°	211.8	211.8	211.8	211.8	211.8	210.5	209.2	209.2
30°	205.3	204.1	204.1	204.1	204.1	202.8	201.5	201.5
32.5°	197.6	196.3	196.3	196.3	196.3	193.7	193.7	193.7
35°	188.6	188.6	188.6	188.6	187.3	186.0	186.0	184.7
37.5°	180.8	179.5	179.5	179.5	178.2	178.2	176.9	176.9
40°	171.8	171.8	171.8	171.8	170.5	169.2	167.9	167.9
42.5°	162.7	162.7	162.7	162.7	161.4	160.1	160.1	160.1
45°	155.0	153.7	153.7	153.7	152.4	152.4	151.1	151.1
47.5°	145.9	145.9	144.6	144.6	144.6	143.4	142.1	142.1
50°	136.9	136.9	136.9	135.6	134.3	134.3	134.3	133.0
52.5°	127.9	127.9	127.9	126.6	126.6	125.3	125.3	125.3
55°	118.8	118.8	118.8	117.5	117.5	116.2	116.2	116.2
57.5°	109.8	109.8	109.8	108.5	108.5	107.2	107.2	107.2
60°	100.7	100.7	99.4	99.4	99.4	98.2	98.2	98.2
62.5°	91.7	90.4	90.4	90.4	90.4	89.1	89.1	89.1
65°	82.7	81.4	81.4	81.4	81.4	80.1	80.1	80.1
67.5°	73.6	72.3	72.3	72.3	72.3	71.0	71.0	71.0
70°	63.3	63.3	63.3	63.3	63.3	62.0	62.0	62.0
72.5°	54.2	54.2	54.2	54.2	53.0	53.0	53.0	53.0
75°	45.2	45.2	45.2	45.2	43.9	43.9	43.9	43.9
77.5°	36.2	36.2	36.2	36.2	36.2	34.9	34.9	36.2
80°	27.1	27.1	27.1	27.1	27.1	25.8	25.8	25.8
82.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	16.8
85°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	3.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
90°	5.2	6.5	6.5	6.5	6.5	7.7	7.7	7.7
92.5°	14.2	15.5	15.5	14.2	15.5	15.5	15.5	15.5
95°	27.1	28.4	28.4	27.1	28.4	28.4	28.4	28.4
97.5°	45.2	45.2	45.2	43.9	45.2	43.9	43.9	43.9
100°	58.1	58.1	59.4	59.4	60.7	60.7	59.4	60.7
102.5°	65.9	67.2	68.4	68.4	69.7	69.7	71.0	71.0
105°	72.3	73.6	74.9	74.9	77.5	78.8	80.1	80.1
107.5°	82.7	82.7	83.9	83.9	85.2	85.2	85.2	86.5
110°	103.3	99.4	98.2	98.2	96.9	96.9	96.9	96.9



TEST NUMBER: P303191

CATALOG NUMBER: CTW-F-7525-20L935-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	120.1	120.1	121.4	121.4	121.4	120.1	117.5	118.8
115°	130.4	133.0	133.0	134.3	134.3	135.6	135.6	136.9
117.5°	138.2	140.8	142.1	143.4	145.9	147.2	147.2	147.2
120°	148.5	149.8	151.1	151.1	152.4	153.7	155.0	155.0
122.5°	161.4	160.1	161.4	161.4	161.4	162.7	162.7	162.7
125°	175.6	174.4	173.1	173.1	171.8	171.8	171.8	171.8
127.5°	195.0	191.1	189.9	188.6	186.0	186.0	184.7	186.0
130°	220.8	214.4	211.8	209.2	204.1	204.1	201.5	201.5
132.5°	250.6	242.8	238.9	236.3	229.9	227.3	224.7	224.7
135°	282.8	275.1	269.9	267.3	259.6	257.0	254.4	251.8
137.5°	313.8	306.1	302.2	300.9	293.2	290.6	285.4	284.1
140°	347.4	339.7	335.8	333.2	324.2	320.3	317.7	316.4
142.5°	379.7	370.7	366.8	365.5	359.0	355.2	351.3	350.0
145°	410.7	401.7	397.8	397.8	390.0	387.5	383.6	381.0
147.5°	441.7	432.7	428.8	428.8	422.3	417.2	414.6	412.0
150°	470.1	462.4	458.5	458.5	452.0	446.9	443.0	441.7
152.5°	495.9	489.5	486.9	486.9	481.7	476.6	474.0	472.7
155°	521.8	516.6	512.7	512.7	508.9	503.7	502.4	501.1
157.5°	547.6	542.4	538.6	539.8	534.7	530.8	528.2	528.2
160°	570.8	567.0	563.1	563.1	560.5	556.6	551.5	552.8
162.5°	594.1	588.9	586.3	586.3	585.1	579.9	574.7	576.0
165°	610.9	608.3	607.0	607.0	605.7	601.8	598.0	598.0
167.5°	629.0	626.4	625.1	625.1	623.8	621.2	617.3	618.6
170°	647.0	644.5	643.2	641.9	641.9	639.3	636.7	636.7
172.5°	663.8	661.2	660.0	660.0	661.2	658.7	654.8	654.8
175°	678.0	676.7	674.2	674.2	674.2	671.6	669.0	669.0
177.5°	691.0	689.7	689.7	688.4	689.7	685.8	681.9	681.9
180°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6

(END OF REPORT)