

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: P303190

Luminaire Tested: **CTW-F-7525-20L930-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-20L930-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

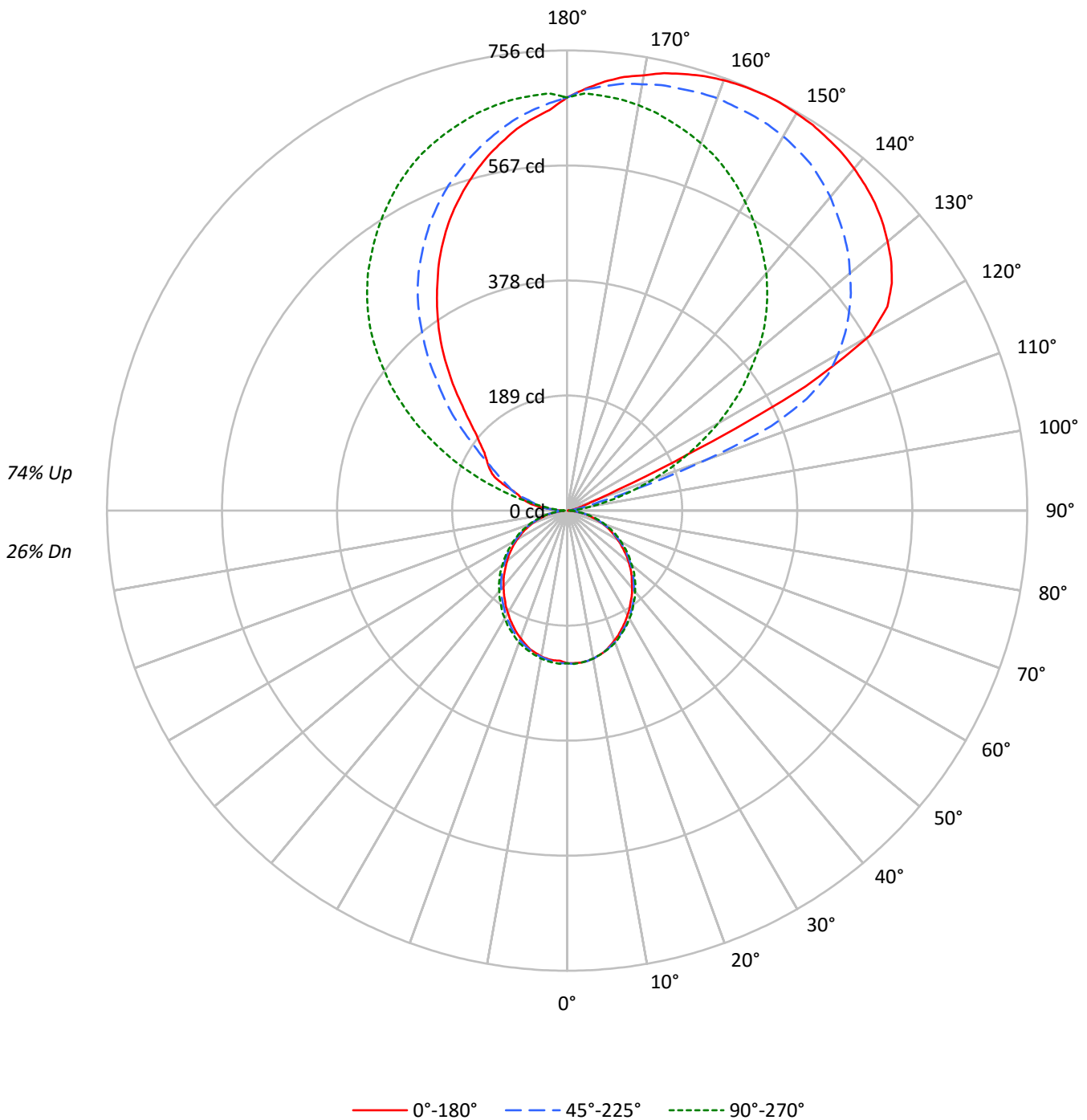
Lumens per Lamp: N/A
Luminaire Lumens: 2589.6 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 23.2
Input Voltage (V): 120
Input Current (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



TEST NUMBER: P303190
CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	76	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	66	75	69	64	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	55	68	60	54	50	47	43	39	35	32	30	23	22	20	15
4	70	59	52	46	62	53	47	42	42	37	33	31	28	25	21	19	17	13
5	64	53	45	39	57	47	41	36	37	32	29	27	24	22	19	17	15	11
6	59	47	39	34	52	42	36	31	33	28	25	25	21	19	17	15	13	10
7	54	42	35	29	48	38	32	27	30	25	22	22	19	17	15	13	12	9
8	50	38	31	26	45	35	28	24	27	23	19	20	17	15	14	12	10	8
9	47	35	28	23	41	31	25	21	25	20	17	19	15	13	13	11	9	7
10	43	32	25	20	39	29	23	19	23	18	15	17	14	12	12	10	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3599	3599	3599
5°	3613	3613	3558
10°	3600	3600	3546
15°	3559	3559	3504
20°	3468	3525	3410
25°	3378	3457	3319
30°	3288	3391	3225
35°	3190	3322	3126
40°	3108	3249	3039
45°	3038	3191	2963
50°	2952	3092	2869
55°	2840	3028	2810
60°	2758	2936	2721
65°	2669	2880	2628
70°	2564	2774	2514
75°	2351	2628	2351
80°	2066	2471	2066
85°	1433	2256	1647



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.9
10°-20°	67.0	2.6
20°-30°	98.9	3.8
30°-40°	116.0	4.5
40°-50°	117.6	4.5
50°-60°	104.8	4.0
60°-70°	80.4	3.1
70°-80°	47.7	1.8
80°-90°	13.4	0.5
90°-100°	20.3	0.8
100°-110°	82.8	3.2
110°-120°	232.0	9.0
120°-130°	338.3	13.1
130°-140°	364.3	14.1
140°-150°	347.1	13.4
150°-160°	284.9	11.0
160°-170°	186.0	7.2
170°-180°	64.5	2.5
0°-30°	189.5	7.3
0°-40°	305.5	11.8
0°-60°	527.9	20.4
0°-90°	669.4	25.9
90°-120°	335.1	12.9
90°-150°	1384.8	53.5
90°-180°	1920.0	74.1
0°-180°	2589.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	251	251	251	251	251	
5°	251	251	251	250	247	24
15°	240	240	240	237	236	67
25°	213	217	218	215	210	98
35°	182	188	190	185	178	114
45°	150	154	157	152	146	115
55°	114	117	121	117	112	102
65°	79	81	85	81	77	78
75°	42	45	47	45	42	45
85°	9	11	14	11	10	11
90°	1	1	1	5	8	1
95°	5	6	15	27	27	5
105°	22	55	90	65	77	26
115°	220	434	218	116	132	260
125°	651	565	351	187	166	577
135°	715	642	463	303	243	552
145°	746	696	549	428	368	468
155°	756	717	618	528	484	349
165°	742	717	661	604	578	211
175°	707	700	684	660	646	68
180°	679	679	679	679	679	



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8
2.5°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	252.0	252.0
5°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	249.5	250.8	250.8	250.8
7.5°	249.5	249.5	249.5	249.5	249.5	249.5	248.3	248.3	248.3	249.5	249.5
10°	247.0	247.0	247.0	245.8	245.8	247.0	245.8	245.8	247.0	247.0	247.0
12.5°	243.3	243.3	243.3	243.3	243.3	243.3	243.3	242.0	243.3	244.5	243.3
15°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	238.3	239.5	240.8	239.5
17.5°	233.3	233.3	233.3	233.3	234.5	234.5	234.5	233.3	234.5	235.8	234.5
20°	227.1	227.1	227.1	228.3	228.3	228.3	228.3	228.3	228.3	229.6	229.6
22.5°	220.8	220.8	220.8	220.8	222.1	222.1	222.1	220.8	222.1	223.3	223.3
25°	213.3	213.3	213.3	213.3	214.6	214.6	214.6	214.6	215.8	217.1	217.1
27.5°	205.9	205.9	205.9	207.1	208.3	208.3	208.3	208.3	208.3	209.6	210.8
30°	198.4	198.4	198.4	199.6	199.6	200.9	200.9	200.9	200.9	202.1	203.4
32.5°	190.9	190.9	190.9	192.1	192.1	192.1	193.4	193.4	193.4	194.6	195.9
35°	182.1	183.4	183.4	183.4	184.6	184.6	184.6	184.6	185.9	187.1	188.4
37.5°	174.7	174.7	174.7	174.7	175.9	175.9	175.9	177.2	177.2	178.4	179.7
40°	165.9	165.9	165.9	167.2	167.2	167.2	168.4	168.4	169.7	170.9	170.9
42.5°	157.2	157.2	157.2	158.4	158.4	158.4	159.7	160.9	160.9	162.2	162.2
45°	149.7	148.5	149.7	149.7	149.7	149.7	151.0	151.0	152.2	153.5	153.5
47.5°	141.0	139.7	141.0	141.0	141.0	141.0	142.2	142.2	143.5	143.5	144.7
50°	132.2	131.0	132.2	132.2	132.2	132.2	133.5	133.5	134.7	134.7	136.0
52.5°	123.5	123.5	123.5	123.5	123.5	123.5	123.5	124.8	126.0	126.0	127.3
55°	113.5	113.5	114.8	114.8	114.8	114.8	114.8	116.0	116.0	117.3	117.3
57.5°	104.8	104.8	104.8	106.0	106.0	106.0	106.0	107.3	107.3	108.5	108.5
60°	96.1	96.1	96.1	96.1	97.3	97.3	97.3	97.3	98.6	99.8	99.8
62.5°	87.3	87.3	87.3	87.3	88.6	88.6	87.3	88.6	88.6	89.8	89.8
65°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.8	79.8	81.1	81.1
67.5°	69.9	68.6	69.9	69.9	69.9	69.9	69.9	71.1	71.1	71.1	72.4
70°	61.1	59.9	59.9	59.9	61.1	61.1	61.1	62.4	61.1	62.4	62.4
72.5°	51.2	51.2	51.2	51.2	51.2	52.4	52.4	52.4	52.4	53.6	53.6
75°	42.4	42.4	42.4	42.4	42.4	42.4	43.7	43.7	43.7	44.9	44.9
77.5°	33.7	33.7	33.7	33.7	33.7	33.7	34.9	34.9	34.9	34.9	36.2
80°	25.0	25.0	25.0	25.0	25.0	25.0	26.2	26.2	26.2	26.2	27.4
82.5°	16.2	16.2	16.2	17.5	16.2	17.5	17.5	17.5	17.5	17.5	18.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.0	10.0	11.2
87.5°	2.5	1.2	1.2	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5
90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
92.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
95°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.2	6.2
97.5°	7.5	7.5	7.5	7.5	7.5	8.7	8.7	8.7	8.7	10.0	11.2
100°	11.2	11.2	11.2	11.2	12.5	12.5	12.5	13.7	13.7	16.2	17.5
102.5°	16.2	16.2	16.2	16.2	17.5	17.5	18.7	20.0	21.2	25.0	31.2
105°	22.5	22.5	22.5	23.7	25.0	25.0	26.2	28.7	33.7	41.2	54.9
107.5°	31.2	31.2	32.4	33.7	36.2	37.4	39.9	48.7	59.9	79.8	119.8
110°	47.4	47.4	49.9	53.6	61.1	66.1	74.9	98.6	133.5	184.6	239.5



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	89.8	91.1	101.1	108.5	133.5	152.2	178.4	230.8	284.5	330.6	363.1
115°	219.6	223.3	248.3	262.0	318.1	329.4	358.1	408.0	431.7	437.9	434.2
117.5°	441.6	442.9	460.4	471.6	492.8	500.3	502.8	511.5	506.5	496.5	482.8
120°	573.9	571.4	573.9	570.2	571.4	568.9	565.2	557.7	545.2	531.5	514.0
122.5°	623.8	622.6	620.1	612.6	608.8	603.8	597.6	588.9	576.4	558.9	541.5
125°	651.2	650.0	647.5	640.0	633.8	628.8	623.8	613.8	598.8	583.9	565.2
127.5°	671.2	670.0	666.2	661.2	653.7	648.8	643.8	633.8	618.8	603.8	587.6
130°	687.4	686.2	682.4	678.7	671.2	667.5	662.5	652.5	637.5	622.6	606.3
132.5°	702.4	701.2	698.7	694.9	687.4	682.4	678.7	670.0	653.7	638.8	626.3
135°	714.9	712.4	712.4	707.4	699.9	696.2	692.4	683.7	668.7	655.0	642.5
137.5°	724.9	723.6	721.1	717.4	711.1	707.4	703.6	694.9	682.4	668.7	657.5
140°	733.6	732.3	731.1	727.3	721.1	717.4	714.9	704.9	693.7	682.4	672.5
142.5°	741.1	739.8	737.3	734.8	728.6	726.1	723.6	714.9	702.4	693.7	684.9
145°	746.1	746.1	743.6	741.1	736.1	733.6	731.1	721.1	711.1	703.6	696.2
147.5°	751.1	751.1	747.3	746.1	742.3	739.8	737.3	727.3	717.4	711.1	703.6
150°	753.5	753.5	751.1	748.6	744.8	743.6	741.1	732.3	723.6	718.6	709.9
152.5°	756.0	756.0	753.5	751.1	747.3	746.1	742.3	736.1	727.3	722.4	714.9
155°	756.0	757.3	753.5	751.1	748.6	747.3	743.6	736.1	729.8	726.1	717.4
157.5°	754.8	754.8	753.5	751.1	747.3	746.1	742.3	734.8	729.8	728.6	718.6
160°	752.3	752.3	751.1	747.3	746.1	743.6	739.8	734.8	731.1	728.6	721.1
162.5°	748.6	747.3	746.1	743.6	742.3	741.1	738.6	732.3	728.6	727.3	719.9
165°	742.3	741.1	739.8	738.6	737.3	736.1	733.6	727.3	726.1	724.9	717.4
167.5°	736.1	733.6	732.3	729.8	729.8	727.3	726.1	722.4	721.1	721.1	716.1
170°	726.1	724.9	723.6	722.4	722.4	721.1	719.9	714.9	714.9	716.1	711.1
172.5°	718.6	716.1	716.1	714.9	714.9	713.6	712.4	708.6	708.6	709.9	707.4
175°	707.4	706.1	704.9	703.6	703.6	703.6	702.4	699.9	701.2	702.4	699.9
177.5°	693.7	689.9	691.2	691.2	693.7	692.4	692.4	689.9	691.2	693.7	692.4
180°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8
2.5°	249.5	249.5	248.3	249.5	249.5	249.5	250.8	250.8	252.0	252.0	252.0
5°	249.5	248.3	248.3	248.3	249.5	249.5	249.5	250.8	250.8	250.8	250.8
7.5°	247.0	247.0	247.0	247.0	247.0	248.3	248.3	248.3	249.5	249.5	248.3
10°	245.8	244.5	244.5	244.5	245.8	245.8	245.8	247.0	247.0	247.0	245.8
12.5°	242.0	242.0	240.8	242.0	242.0	242.0	242.0	243.3	243.3	243.3	243.3
15°	238.3	238.3	237.0	238.3	238.3	238.3	238.3	239.5	240.8	239.5	239.5
17.5°	233.3	233.3	233.3	233.3	233.3	234.5	234.5	235.8	235.8	235.8	234.5
20°	228.3	228.3	228.3	228.3	228.3	228.3	229.6	229.6	230.8	230.8	229.6
22.5°	222.1	222.1	222.1	222.1	223.3	223.3	223.3	224.6	224.6	224.6	223.3
25°	217.1	215.8	215.8	215.8	217.1	217.1	217.1	218.3	218.3	218.3	218.3
27.5°	209.6	209.6	208.3	209.6	209.6	210.8	210.8	212.1	212.1	212.1	210.8
30°	203.4	202.1	202.1	202.1	203.4	203.4	204.6	204.6	205.9	204.6	204.6
32.5°	195.9	195.9	194.6	195.9	195.9	195.9	197.1	197.1	198.4	198.4	197.1
35°	188.4	187.1	187.1	188.4	188.4	188.4	189.6	189.6	190.9	189.6	189.6
37.5°	180.9	179.7	179.7	179.7	179.7	180.9	182.1	182.1	182.1	182.1	182.1
40°	172.2	172.2	172.2	172.2	172.2	172.2	173.4	173.4	174.7	173.4	173.4
42.5°	164.7	163.4	163.4	163.4	163.4	164.7	164.7	165.9	165.9	165.9	164.7
45°	155.9	155.9	155.9	154.7	154.7	155.9	157.2	157.2	157.2	157.2	155.9
47.5°	147.2	146.0	147.2	147.2	146.0	147.2	148.5	148.5	148.5	148.5	147.2
50°	137.2	137.2	137.2	138.5	137.2	138.5	139.7	139.7	139.7	138.5	138.5
52.5°	127.3	128.5	129.8	129.8	128.5	129.8	129.8	129.8	129.8	129.8	129.8
55°	118.5	119.8	119.8	119.8	119.8	121.0	121.0	121.0	121.0	121.0	121.0
57.5°	109.8	109.8	111.0	111.0	111.0	111.0	111.0	112.3	111.0	111.0	111.0
60°	99.8	101.1	102.3	102.3	102.3	102.3	102.3	103.6	102.3	102.3	102.3
62.5°	91.1	91.1	92.3	93.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6
65°	82.3	82.3	83.6	83.6	83.6	83.6	83.6	84.8	83.6	84.8	84.8
67.5°	72.4	73.6	73.6	74.9	74.9	74.9	74.9	76.1	76.1	74.9	74.9
70°	63.6	63.6	64.9	64.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1
72.5°	53.6	54.9	54.9	56.1	56.1	56.1	56.1	57.4	57.4	57.4	57.4
75°	44.9	46.2	46.2	47.4	46.2	47.4	47.4	47.4	48.7	47.4	48.7
77.5°	36.2	37.4	37.4	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7
80°	27.4	28.7	28.7	28.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9
82.5°	18.7	20.0	20.0	20.0	20.0	21.2	21.2	21.2	21.2	21.2	21.2
85°	11.2	11.2	11.2	12.5	12.5	12.5	12.5	13.7	13.7	13.7	13.7
87.5°	3.7	3.7	3.7	5.0	5.0	5.0	5.0	5.0	5.0	6.2	6.2
90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
92.5°	3.7	3.7	3.7	3.7	5.0	5.0	7.5	7.5	6.2	6.2	6.2
95°	7.5	7.5	10.0	12.5	15.0	17.5	20.0	20.0	17.5	15.0	13.7
97.5°	12.5	16.2	21.2	28.7	32.4	37.4	41.2	37.4	32.4	27.4	25.0
100°	22.5	29.9	42.4	57.4	63.6	68.6	69.9	62.4	52.4	42.4	38.7
102.5°	42.4	57.4	83.6	103.6	108.5	112.3	106.0	92.3	78.6	63.6	56.1
105°	81.1	114.8	151.0	160.9	163.4	160.9	147.2	127.3	108.5	89.8	78.6
107.5°	165.9	204.6	227.1	222.1	215.8	208.3	188.4	164.7	142.2	118.5	104.8
110°	275.7	291.9	290.7	273.2	260.7	249.5	228.3	202.1	175.9	151.0	133.5



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	366.8	358.1	340.6	315.6	301.9	288.2	265.7	239.5	210.8	184.6	165.9
115°	421.7	403.0	379.3	356.8	343.1	328.1	301.9	274.5	245.8	218.3	198.4
117.5°	460.4	439.2	416.7	391.7	378.0	364.3	339.3	308.2	279.5	252.0	230.8
120°	491.6	469.1	445.4	422.9	410.5	398.0	371.8	343.1	311.9	285.7	262.0
122.5°	520.2	497.8	476.6	452.9	439.2	427.9	400.5	373.0	345.6	318.1	293.2
125°	546.4	526.5	501.5	479.1	467.8	455.4	429.2	401.7	376.8	350.6	326.9
127.5°	570.2	550.2	527.7	502.8	491.6	480.3	452.9	427.9	405.5	379.3	356.8
130°	591.4	571.4	550.2	526.5	516.5	504.0	479.1	454.1	432.9	409.2	385.5
132.5°	611.3	591.4	570.2	547.7	536.5	525.2	504.0	479.1	459.1	437.9	414.2
135°	628.8	608.8	587.6	565.2	555.2	545.2	524.0	502.8	481.6	462.9	440.4
137.5°	643.8	625.0	603.8	582.6	573.9	563.9	544.0	524.0	505.3	486.6	465.4
140°	657.5	638.8	617.6	597.6	588.9	581.4	561.4	544.0	527.7	509.0	489.1
142.5°	670.0	650.0	630.0	611.3	603.8	596.4	578.9	562.7	547.7	529.0	511.5
145°	679.9	660.0	641.3	623.8	618.8	610.1	593.9	580.1	565.2	548.9	532.7
147.5°	689.9	671.2	652.5	636.3	631.3	623.8	610.1	596.4	582.6	567.7	552.7
150°	696.2	678.7	662.5	648.8	643.8	636.3	622.6	611.3	600.1	585.1	570.2
152.5°	701.2	684.9	670.0	658.7	655.0	648.8	636.3	627.5	615.1	602.6	588.9
155°	704.9	689.9	677.4	667.5	663.7	660.0	647.5	640.0	628.8	617.6	605.1
157.5°	707.4	693.7	682.4	675.0	671.2	667.5	656.2	650.0	641.3	631.3	618.8
160°	708.6	696.2	687.4	681.2	677.4	673.7	666.2	658.7	650.0	642.5	632.5
162.5°	708.6	698.7	689.9	684.9	682.4	679.9	672.5	666.2	660.0	652.5	643.8
165°	708.6	699.9	692.4	688.7	686.2	684.9	677.4	673.7	667.5	661.2	653.7
167.5°	706.1	698.7	693.7	691.2	688.7	687.4	682.4	677.4	673.7	670.0	662.5
170°	703.6	697.4	692.4	691.2	689.9	688.7	684.9	682.4	679.9	676.2	670.0
172.5°	699.9	694.9	691.2	689.9	689.9	688.7	686.2	684.9	683.7	681.2	676.2
175°	693.7	689.9	686.2	687.4	687.4	687.4	684.9	686.2	684.9	683.7	679.9
177.5°	686.2	683.7	682.4	683.7	683.7	683.7	683.7	684.9	686.2	686.2	682.4
180°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8
2.5°	249.5	248.3	248.3	248.3	249.5	249.5	249.5	249.5	250.8	250.8	250.8
5°	248.3	247.0	247.0	247.0	248.3	248.3	248.3	248.3	249.5	249.5	249.5
7.5°	247.0	245.8	245.8	245.8	245.8	247.0	247.0	245.8	247.0	248.3	247.0
10°	244.5	243.3	243.3	243.3	243.3	244.5	244.5	243.3	244.5	244.5	244.5
12.5°	240.8	239.5	239.5	239.5	240.8	240.8	240.8	239.5	240.8	242.0	240.8
15°	237.0	235.8	235.8	235.8	235.8	237.0	237.0	235.8	237.0	237.0	235.8
17.5°	233.3	232.1	230.8	230.8	232.1	232.1	232.1	230.8	232.1	232.1	230.8
20°	227.1	225.8	225.8	225.8	227.1	227.1	225.8	225.8	227.1	225.8	225.8
22.5°	222.1	220.8	220.8	220.8	220.8	220.8	220.8	219.6	220.8	219.6	219.6
25°	215.8	214.6	214.6	214.6	214.6	214.6	213.3	213.3	214.6	213.3	212.1
27.5°	209.6	208.3	208.3	208.3	208.3	208.3	207.1	207.1	207.1	205.9	205.9
30°	202.1	202.1	200.9	200.9	200.9	200.9	199.6	199.6	200.9	199.6	198.4
32.5°	195.9	194.6	194.6	194.6	194.6	193.4	192.1	192.1	192.1	192.1	190.9
35°	187.1	187.1	187.1	187.1	185.9	185.9	184.6	185.9	184.6	183.4	183.4
37.5°	179.7	179.7	178.4	178.4	178.4	178.4	177.2	178.4	177.2	175.9	174.7
40°	172.2	170.9	170.9	170.9	170.9	169.7	169.7	169.7	168.4	167.2	167.2
42.5°	163.4	163.4	162.2	163.4	162.2	162.2	160.9	162.2	160.9	159.7	158.4
45°	154.7	154.7	154.7	154.7	154.7	153.5	153.5	153.5	152.2	151.0	149.7
47.5°	146.0	146.0	146.0	147.2	146.0	144.7	144.7	144.7	143.5	142.2	141.0
50°	137.2	137.2	137.2	137.2	137.2	136.0	136.0	134.7	134.7	133.5	132.2
52.5°	128.5	128.5	128.5	129.8	128.5	127.3	127.3	127.3	126.0	124.8	123.5
55°	119.8	119.8	121.0	119.8	119.8	119.8	118.5	118.5	117.3	116.0	114.8
57.5°	111.0	111.0	111.0	111.0	111.0	109.8	109.8	109.8	108.5	107.3	106.0
60°	102.3	102.3	102.3	102.3	101.1	101.1	101.1	99.8	98.6	97.3	97.3
62.5°	92.3	93.6	93.6	92.3	92.3	92.3	91.1	91.1	89.8	89.8	88.6
65°	83.6	84.8	83.6	83.6	83.6	83.6	82.3	82.3	81.1	79.8	79.8
67.5°	74.9	74.9	74.9	74.9	74.9	73.6	73.6	72.4	72.4	71.1	71.1
70°	66.1	66.1	64.9	64.9	66.1	64.9	63.6	63.6	63.6	62.4	62.4
72.5°	57.4	57.4	56.1	56.1	56.1	56.1	54.9	54.9	53.6	53.6	52.4
75°	47.4	47.4	47.4	47.4	47.4	46.2	46.2	46.2	44.9	44.9	43.7
77.5°	38.7	38.7	38.7	38.7	38.7	37.4	37.4	37.4	37.4	36.2	36.2
80°	29.9	29.9	29.9	29.9	29.9	28.7	28.7	28.7	27.4	27.4	26.2
82.5°	21.2	21.2	21.2	21.2	21.2	20.0	20.0	20.0	18.7	18.7	18.7
85°	13.7	12.5	12.5	12.5	12.5	12.5	11.2	11.2	11.2	11.2	10.0
87.5°	6.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.7	5.0
90°	1.2	2.5	2.5	3.7	3.7	3.7	3.7	5.0	5.0	5.0	5.0
92.5°	10.0	12.5	12.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
95°	16.2	18.7	23.7	25.0	26.2	28.7	28.7	28.7	27.4	27.4	27.4
97.5°	23.7	27.4	27.4	29.9	31.2	36.2	39.9	41.2	43.7	43.7	43.7
100°	36.2	34.9	38.7	41.2	41.2	41.2	43.7	48.7	51.2	53.6	54.9
102.5°	52.4	47.4	47.4	48.7	51.2	56.1	52.4	53.6	56.1	58.6	62.4
105°	69.9	64.9	61.1	59.9	61.1	64.9	68.6	67.4	64.9	66.1	68.6
107.5°	92.3	83.6	76.1	74.9	74.9	74.9	78.6	82.3	84.8	82.3	79.8
110°	118.5	104.8	97.3	91.1	89.8	88.6	88.6	91.1	96.1	99.8	101.1



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	147.2	131.0	118.5	112.3	108.5	103.6	102.3	102.3	104.8	109.8	113.5
115°	177.2	159.7	143.5	137.2	131.0	122.3	118.5	116.0	116.0	118.5	122.3
117.5°	208.3	189.6	172.2	162.2	157.2	144.7	136.0	131.0	129.8	129.8	132.2
120°	239.5	222.1	202.1	190.9	184.6	170.9	158.4	148.5	144.7	143.5	142.2
122.5°	270.7	252.0	233.3	222.1	214.6	198.4	185.9	170.9	164.7	158.4	157.2
125°	301.9	283.2	263.2	254.5	244.5	227.1	213.3	198.4	187.1	178.4	172.2
127.5°	334.4	313.1	293.2	286.9	275.7	258.3	243.3	228.3	215.8	203.4	194.6
130°	363.1	345.6	326.9	316.9	306.9	289.4	272.0	257.0	245.8	233.3	222.1
132.5°	391.7	374.3	356.8	350.6	340.6	320.6	304.4	286.9	274.5	262.0	252.0
135°	417.9	400.5	384.3	378.0	369.3	351.8	336.9	319.4	303.2	291.9	282.0
137.5°	442.9	426.7	410.5	404.2	396.7	380.5	366.8	351.8	336.9	325.6	310.7
140°	467.8	451.6	436.7	430.4	422.9	408.0	393.0	381.8	366.8	355.6	344.3
142.5°	491.6	475.3	460.4	454.1	449.1	434.2	420.4	410.5	398.0	385.5	375.5
145°	514.0	496.5	484.1	477.8	472.8	459.1	446.6	437.9	427.9	415.5	405.5
147.5°	534.0	517.8	505.3	501.5	496.5	485.3	472.8	462.9	455.4	444.1	434.2
150°	552.7	537.7	526.5	522.7	519.0	506.5	495.3	486.6	480.3	470.3	460.4
152.5°	572.6	557.7	547.7	544.0	539.0	529.0	519.0	509.0	504.0	496.5	486.6
155°	588.9	576.4	566.4	562.7	557.7	550.2	539.0	531.5	527.7	519.0	510.3
157.5°	605.1	592.6	583.9	580.1	576.4	568.9	558.9	551.4	548.9	541.5	534.0
160°	618.8	607.6	598.8	595.1	592.6	586.4	577.6	570.2	568.9	563.9	556.4
162.5°	631.3	620.1	613.8	610.1	607.6	603.8	595.1	587.6	586.4	582.6	576.4
165°	641.3	631.3	626.3	623.8	622.6	618.8	611.3	603.8	603.8	601.3	593.9
167.5°	652.5	642.5	637.5	636.3	635.0	631.3	626.3	620.1	620.1	617.6	611.3
170°	661.2	652.5	648.8	647.5	646.3	643.8	640.0	633.8	635.0	632.5	627.5
172.5°	667.5	661.2	658.7	656.2	656.2	655.0	652.5	647.5	648.8	647.5	642.5
175°	672.5	666.2	666.2	663.7	665.0	665.0	661.2	657.5	660.0	661.2	656.2
177.5°	676.2	671.2	671.2	671.2	672.5	672.5	671.2	667.5	670.0	672.5	667.5
180°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	250.8	250.8	250.8	250.8	250.8	250.8	250.8	250.8
2.5°	250.8	250.8	250.8	249.5	250.8	248.3	247.0	247.0
5°	248.3	248.3	248.3	248.3	248.3	248.3	247.0	247.0
7.5°	247.0	247.0	245.8	245.8	247.0	247.0	245.8	245.8
10°	243.3	243.3	243.3	243.3	244.5	243.3	243.3	243.3
12.5°	240.8	239.5	239.5	239.5	240.8	239.5	239.5	239.5
15°	235.8	235.8	235.8	235.8	237.0	235.8	235.8	235.8
17.5°	230.8	230.8	230.8	230.8	232.1	230.8	229.6	229.6
20°	225.8	224.6	224.6	224.6	224.6	224.6	223.3	223.3
22.5°	218.3	218.3	218.3	218.3	218.3	217.1	217.1	217.1
25°	212.1	210.8	210.8	212.1	210.8	210.8	209.6	209.6
27.5°	204.6	204.6	204.6	204.6	204.6	203.4	202.1	202.1
30°	198.4	197.1	197.1	197.1	197.1	195.9	194.6	194.6
32.5°	190.9	189.6	189.6	189.6	189.6	187.1	187.1	187.1
35°	182.1	182.1	182.1	182.1	180.9	179.7	179.7	178.4
37.5°	174.7	173.4	173.4	173.4	172.2	172.2	170.9	170.9
40°	165.9	165.9	165.9	165.9	164.7	163.4	162.2	162.2
42.5°	157.2	157.2	157.2	157.2	155.9	154.7	154.7	154.7
45°	149.7	148.5	148.5	148.5	147.2	147.2	146.0	146.0
47.5°	141.0	141.0	139.7	139.7	139.7	138.5	137.2	137.2
50°	132.2	132.2	132.2	131.0	129.8	129.8	129.8	128.5
52.5°	123.5	123.5	123.5	122.3	122.3	121.0	121.0	121.0
55°	114.8	114.8	114.8	113.5	113.5	112.3	112.3	112.3
57.5°	106.0	106.0	106.0	104.8	104.8	103.6	103.6	103.6
60°	97.3	97.3	96.1	96.1	96.1	94.8	94.8	94.8
62.5°	88.6	87.3	87.3	87.3	87.3	86.1	86.1	86.1
65°	79.8	78.6	78.6	78.6	78.6	77.4	77.4	77.4
67.5°	71.1	69.9	69.9	69.9	69.9	68.6	68.6	68.6
70°	61.1	61.1	61.1	61.1	61.1	59.9	59.9	59.9
72.5°	52.4	52.4	52.4	52.4	51.2	51.2	51.2	51.2
75°	43.7	43.7	43.7	43.7	42.4	42.4	42.4	42.4
77.5°	34.9	34.9	34.9	34.9	34.9	33.7	33.7	34.9
80°	26.2	26.2	26.2	26.2	26.2	25.0	25.0	25.0
82.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.2
85°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	3.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0
90°	5.0	6.2	6.2	6.2	6.2	7.5	7.5	7.5
92.5°	13.7	15.0	15.0	13.7	15.0	15.0	15.0	15.0
95°	26.2	27.4	27.4	26.2	27.4	27.4	27.4	27.4
97.5°	43.7	43.7	43.7	42.4	43.7	42.4	42.4	42.4
100°	56.1	56.1	57.4	57.4	58.6	58.6	57.4	58.6
102.5°	63.6	64.9	66.1	66.1	67.4	67.4	68.6	68.6
105°	69.9	71.1	72.4	72.4	74.9	76.1	77.4	77.4
107.5°	79.8	79.8	81.1	81.1	82.3	82.3	82.3	83.6
110°	99.8	96.1	94.8	94.8	93.6	93.6	93.6	93.6



TEST NUMBER: P303190

CATALOG NUMBER: CTW-F-7525-20L930-UNV-STD-6

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	116.0	116.0	117.3	117.3	117.3	116.0	113.5	114.8
115°	126.0	128.5	128.5	129.8	129.8	131.0	131.0	132.2
117.5°	133.5	136.0	137.2	138.5	141.0	142.2	142.2	142.2
120°	143.5	144.7	146.0	146.0	147.2	148.5	149.7	149.7
122.5°	155.9	154.7	155.9	155.9	155.9	157.2	157.2	157.2
125°	169.7	168.4	167.2	167.2	165.9	165.9	165.9	165.9
127.5°	188.4	184.6	183.4	182.1	179.7	179.7	178.4	179.7
130°	213.3	207.1	204.6	202.1	197.1	197.1	194.6	194.6
132.5°	242.0	234.5	230.8	228.3	222.1	219.6	217.1	217.1
135°	273.2	265.7	260.7	258.3	250.8	248.3	245.8	243.3
137.5°	303.2	295.7	291.9	290.7	283.2	280.7	275.7	274.5
140°	335.6	328.1	324.4	321.9	313.1	309.4	306.9	305.7
142.5°	366.8	358.1	354.3	353.1	346.8	343.1	339.3	338.1
145°	396.7	388.0	384.3	384.3	376.8	374.3	370.5	368.0
147.5°	426.7	417.9	414.2	414.2	408.0	403.0	400.5	398.0
150°	454.1	446.6	442.9	442.9	436.7	431.7	427.9	426.7
152.5°	479.1	472.8	470.3	470.3	465.4	460.4	457.9	456.6
155°	504.0	499.0	495.3	495.3	491.6	486.6	485.3	484.1
157.5°	529.0	524.0	520.2	521.5	516.5	512.8	510.3	510.3
160°	551.4	547.7	544.0	544.0	541.5	537.7	532.7	534.0
162.5°	573.9	568.9	566.4	566.4	565.2	560.2	555.2	556.4
165°	590.1	587.6	586.4	586.4	585.1	581.4	577.6	577.6
167.5°	607.6	605.1	603.8	603.8	602.6	600.1	596.4	597.6
170°	625.0	622.6	621.3	620.1	620.1	617.6	615.1	615.1
172.5°	641.3	638.8	637.5	637.5	638.8	636.3	632.5	632.5
175°	655.0	653.7	651.2	651.2	651.2	648.8	646.3	646.3
177.5°	667.5	666.2	666.2	665.0	666.2	662.5	658.7	658.7
180°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7

(END OF REPORT)