

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: P303202

Luminaire Tested: **CTW-F-7525-30L935-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-30L935-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

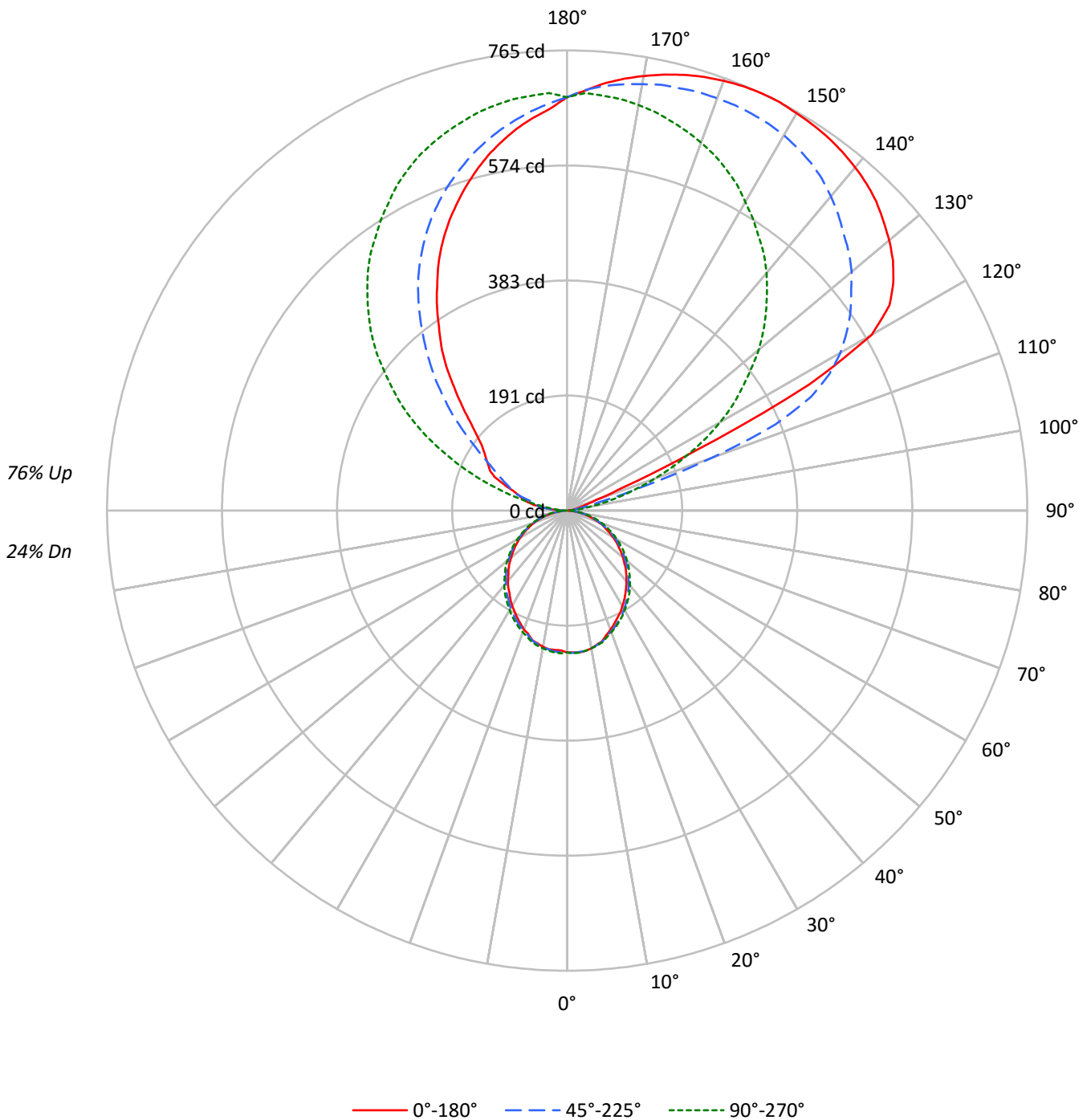
Lumens per Lamp: N/A
Luminaire Lumens: 2572.8 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 22.9
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			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	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	72	60	58	56	44	42	41	29	28	27	20
2	84	77	71	66	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	20	18	17	12
5	64	53	45	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	13	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	15	13	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5078	5078	5078
5°	5117	5117	5024
10°	5082	5082	5026
15°	5008	5046	4970
20°	4832	4930	4813
25°	4684	4848	4663
30°	4559	4750	4537
35°	4436	4662	4389
40°	4308	4572	4308
45°	4195	4457	4195
50°	4066	4354	4066
55°	3911	4234	3975
60°	3780	4116	3853
65°	3596	3994	3729
70°	3412	3902	3632
75°	3219	3726	3435
80°	2777	3422	3099
85°	1704	2989	2544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.9
10°-20°	62.8	2.4
20°-30°	92.2	3.6
30°-40°	108.1	4.2
40°-50°	109.5	4.3
50°-60°	97.6	3.8
60°-70°	74.9	2.9
70°-80°	44.5	1.7
80°-90°	12.5	0.5
90°-100°	20.4	0.8
100°-110°	84.6	3.3
110°-120°	237.7	9.2
120°-130°	343.4	13.3
130°-140°	369.3	14.4
140°-150°	351.2	13.7
150°-160°	288.4	11.2
160°-170°	188.3	7.3
170°-180°	65.3	2.5
0°-30°	177.3	6.9
0°-40°	285.3	11.1
0°-60°	492.5	19.1
0°-90°	624.3	24.3
90°-120°	342.7	13.3
90°-150°	1406.6	54.7
90°-180°	1948.0	75.7
0°-180°	2572.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	236	236	236	236	236	
5°	237	236	237	235	232	22
15°	225	226	226	224	223	63
25°	197	202	204	201	196	91
35°	169	175	177	173	167	106
45°	138	142	146	143	138	106
55°	104	108	113	110	106	93
65°	71	75	78	77	73	70
75°	39	41	45	43	41	40
85°	7	9	12	10	10	9
90°	2	1	1	4	7	1
95°	5	6	15	27	27	6
105°	23	59	92	65	78	28
115°	232	447	223	117	134	270
125°	662	575	355	189	168	587
135°	727	650	468	310	247	561
145°	757	706	555	431	371	474
155°	765	728	626	535	491	354
165°	750	727	670	612	585	213
175°	713	709	692	667	655	69
180°	687	687	687	687	687	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9
2.5°	235.9	235.1	235.9	235.9	236.8	236.8	236.8	235.9	236.8	237.6	236.8
5°	236.8	236.8	235.9	235.9	235.9	235.9	235.9	235.1	235.9	236.8	235.9
7.5°	235.1	235.1	235.1	234.2	234.2	234.2	234.2	234.2	234.2	235.1	235.1
10°	232.5	232.5	231.6	230.7	231.6	231.6	231.6	230.7	231.6	232.5	232.5
12.5°	228.2	229.0	228.2	228.2	228.2	228.2	228.2	228.2	229.0	229.9	229.0
15°	224.7	224.7	224.7	223.9	223.9	223.9	223.9	223.0	224.7	225.6	225.6
17.5°	217.0	217.0	217.0	217.8	218.7	218.7	218.7	217.8	217.8	220.4	219.6
20°	210.9	210.9	210.9	210.9	211.8	211.8	211.8	211.8	211.8	213.5	213.5
22.5°	204.1	204.9	204.9	204.9	205.8	205.8	205.8	205.8	205.8	207.5	208.4
25°	197.2	198.0	198.0	198.9	198.9	198.9	198.9	199.8	199.8	201.5	202.3
27.5°	191.1	191.1	191.1	192.0	192.0	192.9	192.9	193.7	193.7	194.6	196.3
30°	183.4	183.4	184.3	184.3	185.1	186.0	186.0	186.8	186.8	187.7	189.4
32.5°	176.5	176.5	176.5	177.4	178.2	178.2	178.2	179.1	179.1	179.9	181.7
35°	168.8	168.8	168.8	169.6	169.6	170.5	170.5	171.3	172.2	173.1	174.8
37.5°	161.0	161.0	161.0	161.9	161.9	162.7	163.6	164.5	164.5	165.3	167.0
40°	153.3	153.3	153.3	154.1	155.0	155.0	155.0	155.8	156.7	157.6	158.4
42.5°	145.5	144.6	145.5	145.5	146.4	147.2	147.2	148.1	149.0	149.8	150.7
45°	137.8	136.9	137.8	137.8	138.6	138.6	138.6	140.3	140.3	141.2	142.1
47.5°	129.1	129.1	129.1	129.1	130.9	130.0	130.9	131.7	132.6	133.5	134.3
50°	121.4	120.5	121.4	121.4	122.3	122.3	122.3	123.1	124.0	124.8	125.7
52.5°	112.8	112.8	112.8	112.8	113.7	114.5	114.5	115.4	115.4	116.2	117.1
55°	104.2	104.2	105.0	105.0	105.9	105.9	105.9	106.8	106.8	108.5	108.5
57.5°	96.4	96.4	96.4	96.4	97.3	97.3	98.2	98.2	98.2	99.9	100.7
60°	87.8	87.8	88.7	87.8	89.5	88.7	89.5	89.5	90.4	91.3	92.1
62.5°	79.2	80.1	80.1	80.1	80.1	80.9	80.9	81.8	81.8	82.7	83.5
65°	70.6	70.6	71.5	71.5	72.3	72.3	72.3	73.2	73.2	74.0	74.9
67.5°	63.7	63.7	62.9	62.9	63.7	63.7	64.6	64.6	64.6	65.4	65.4
70°	54.2	55.1	55.1	55.1	55.1	56.0	56.0	56.0	56.8	56.8	57.7
72.5°	46.5	46.5	46.5	46.5	46.5	47.4	47.4	47.4	48.2	48.2	49.1
75°	38.7	37.9	38.7	37.9	38.7	38.7	38.7	39.6	39.6	39.6	41.3
77.5°	30.1	30.1	30.1	30.1	30.1	30.1	31.0	31.0	31.9	32.7	32.7
80°	22.4	21.5	22.4	22.4	22.4	22.4	22.4	22.4	23.2	24.1	24.1
82.5°	13.8	13.8	13.8	13.8	14.6	14.6	14.6	14.6	15.5	16.4	16.4
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.7	7.7	8.6	8.6
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9
92.5°	2.6	2.6	2.6	2.6	2.6	3.4	3.4	2.6	3.4	3.4	3.4
95°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.0	6.0	6.0	6.0
97.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.5	9.5	10.3	11.2
100°	12.1	12.1	12.1	12.1	12.1	12.9	12.9	13.8	14.6	16.4	18.9
102.5°	17.2	17.2	17.2	17.2	18.1	18.9	18.9	19.8	22.4	25.8	31.9
105°	23.2	23.2	24.1	24.1	25.0	25.8	26.7	30.1	35.3	43.9	59.4
107.5°	32.7	32.7	33.6	35.3	37.0	38.7	42.2	50.8	66.3	90.4	129.1
110°	50.8	50.8	52.5	58.5	64.6	68.9	79.2	105.0	148.1	200.6	256.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	100.7	102.5	107.6	124.0	145.5	159.3	188.6	245.4	297.9	350.4	375.4
115°	231.6	256.6	263.5	294.5	334.1	353.0	373.7	412.4	440.8	453.7	446.9
117.5°	453.7	474.4	473.5	496.8	507.1	513.2	518.3	523.5	513.2	508.0	491.6
120°	584.6	589.8	582.9	583.8	582.0	579.5	576.9	568.3	556.2	542.4	524.3
122.5°	635.4	633.7	630.3	625.9	619.1	613.9	609.6	598.4	585.5	570.0	551.0
125°	662.1	660.4	656.9	650.9	643.2	638.9	633.7	622.5	608.7	593.2	575.1
127.5°	682.8	680.2	676.7	670.7	663.8	658.7	655.2	643.2	629.4	614.8	595.0
130°	699.1	697.4	693.1	688.8	681.1	676.7	672.4	662.1	646.6	632.8	617.3
132.5°	712.9	712.0	708.6	704.3	696.5	692.2	688.8	678.5	663.8	649.2	635.4
135°	726.7	725.0	721.5	717.2	709.5	706.0	701.7	693.1	678.5	663.8	650.1
137.5°	737.0	734.4	731.8	728.4	720.7	718.1	713.8	704.3	691.4	679.3	667.3
140°	744.8	742.2	739.6	737.0	730.1	727.5	724.1	714.6	701.7	691.4	681.9
142.5°	751.7	749.1	747.3	744.8	738.7	736.2	733.6	724.1	712.9	703.4	695.7
145°	756.8	754.2	753.4	750.8	745.6	743.0	740.5	731.0	720.7	711.2	706.0
147.5°	760.3	759.4	757.7	755.1	750.8	749.1	746.5	737.9	726.7	719.8	713.8
150°	762.8	762.8	761.1	759.4	755.1	753.4	750.8	742.2	733.6	727.5	720.7
152.5°	765.4	765.4	763.7	761.1	757.7	756.0	752.5	744.8	737.0	732.7	725.0
155°	765.4	766.3	764.6	761.1	758.5	756.0	753.4	745.6	738.7	735.3	727.5
157.5°	763.7	764.6	762.0	759.4	756.8	755.1	751.7	744.8	739.6	737.0	729.3
160°	760.3	761.1	759.4	756.8	754.2	753.4	749.9	743.9	739.6	737.0	729.3
162.5°	756.0	756.8	756.0	753.4	751.7	750.8	747.3	742.2	737.9	736.2	729.3
165°	749.9	750.8	749.9	747.3	746.5	744.8	742.2	737.0	733.6	733.6	726.7
167.5°	742.2	743.0	742.2	737.9	737.9	736.2	735.3	731.0	729.3	730.1	725.0
170°	733.6	734.4	732.7	730.1	731.0	729.3	728.4	725.8	724.1	725.0	719.8
172.5°	724.1	725.0	724.1	721.5	722.4	721.5	720.7	717.2	716.4	718.9	714.6
175°	712.9	712.9	712.9	710.3	712.0	711.2	710.3	708.6	708.6	711.2	708.6
177.5°	699.1	699.1	700.0	699.1	700.9	700.0	700.0	699.1	699.1	702.6	700.0
180°	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9
2.5°	235.1	234.2	234.2	235.1	235.1	235.1	235.9	236.8	236.8	237.6	236.8
5°	235.1	234.2	233.3	234.2	235.1	235.1	235.1	235.9	235.9	236.8	235.9
7.5°	233.3	232.5	232.5	233.3	233.3	233.3	233.3	234.2	234.2	235.1	234.2
10°	230.7	229.9	229.9	229.9	230.7	230.7	231.6	232.5	232.5	232.5	231.6
12.5°	228.2	227.3	227.3	227.3	228.2	228.2	228.2	229.0	229.9	229.9	229.0
15°	223.0	222.1	222.1	223.0	223.9	223.9	224.7	225.6	226.4	226.4	225.6
17.5°	218.7	217.8	217.8	218.7	218.7	219.6	219.6	220.4	219.6	220.4	219.6
20°	212.7	211.8	211.8	212.7	212.7	213.5	213.5	214.4	215.2	215.2	214.4
22.5°	207.5	205.8	206.6	206.6	207.5	207.5	208.4	209.2	209.2	210.1	209.2
25°	201.5	200.6	200.6	201.5	201.5	202.3	202.3	203.2	204.1	204.1	203.2
27.5°	195.4	194.6	193.7	194.6	195.4	196.3	196.3	197.2	198.0	198.0	197.2
30°	188.6	187.7	187.7	188.6	188.6	189.4	190.3	190.3	192.0	191.1	190.3
32.5°	182.5	181.7	180.8	181.7	182.5	182.5	183.4	184.3	184.3	184.3	183.4
35°	174.8	173.9	173.9	173.9	174.8	175.6	176.5	176.5	177.4	177.4	176.5
37.5°	167.9	167.0	166.2	167.0	167.9	168.8	168.8	169.6	169.6	170.5	169.6
40°	160.1	159.3	159.3	159.3	160.1	161.0	161.0	161.9	162.7	162.7	161.9
42.5°	152.4	151.5	151.5	151.5	152.4	153.3	153.3	154.1	155.0	154.1	154.1
45°	144.6	143.8	143.8	143.8	144.6	144.6	145.5	146.4	146.4	146.4	145.5
47.5°	135.2	136.0	136.0	136.0	136.0	136.9	136.9	137.8	137.8	138.6	137.8
50°	126.6	127.4	127.4	127.4	128.3	128.3	129.1	129.1	129.1	130.0	129.1
52.5°	118.8	118.8	118.8	119.7	119.7	119.7	120.5	121.4	121.4	121.4	120.5
55°	110.2	110.2	111.1	111.9	111.9	111.9	111.9	112.8	112.8	112.8	112.8
57.5°	101.6	101.6	102.5	103.3	103.3	103.3	103.3	104.2	104.2	104.2	103.3
60°	93.0	93.0	93.8	94.7	94.7	94.7	94.7	95.6	95.6	95.6	95.6
62.5°	84.4	84.4	85.2	86.1	86.1	86.1	86.1	87.0	87.0	87.0	87.0
65°	75.8	75.8	76.6	77.5	77.5	77.5	78.4	78.4	79.2	78.4	79.2
67.5°	67.2	68.0	68.0	68.9	68.9	68.9	69.7	69.7	70.6	70.6	70.6
70°	58.5	59.4	59.4	60.3	60.3	60.3	60.3	61.1	62.0	62.0	62.0
72.5°	49.9	49.9	50.8	51.7	51.7	51.7	52.5	52.5	53.4	53.4	53.4
75°	41.3	42.2	42.2	43.0	43.0	43.0	43.9	43.9	44.8	44.8	44.8
77.5°	32.7	33.6	34.4	35.3	34.4	35.3	35.3	36.2	36.2	36.2	37.0
80°	25.0	25.8	25.8	26.7	26.7	26.7	26.7	27.6	28.4	27.6	28.4
82.5°	17.2	17.2	18.1	18.9	18.9	18.9	18.9	19.8	19.8	19.8	20.7
85°	9.5	10.3	10.3	10.3	11.2	11.2	12.1	12.1	12.1	12.1	12.9
87.5°	2.6	2.6	3.4	4.3	4.3	4.3	4.3	5.2	5.2	5.2	6.0
90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
92.5°	3.4	3.4	4.3	4.3	5.2	5.2	6.9	7.7	6.9	5.2	6.9
95°	6.9	8.6	10.3	13.8	15.5	16.4	20.7	20.7	18.1	14.6	13.8
97.5°	13.8	17.2	21.5	29.3	32.7	37.0	41.3	39.6	32.7	26.7	25.0
100°	23.2	31.0	43.9	57.7	63.7	68.9	69.7	63.7	53.4	43.9	39.6
102.5°	43.0	61.1	85.2	106.8	109.3	111.9	106.8	94.7	79.2	65.4	56.8
105°	87.8	124.0	153.3	166.2	165.3	162.7	148.1	130.0	110.2	92.1	77.5
107.5°	180.8	215.2	233.3	227.3	219.6	211.8	189.4	168.8	143.8	121.4	105.9
110°	297.0	306.5	299.6	280.7	268.6	258.3	232.5	206.6	179.1	155.0	133.5



TEST NUMBER: P303202

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	380.6	367.6	347.0	322.9	310.8	297.9	271.2	246.2	214.4	189.4	165.3
115°	433.1	411.6	387.4	361.6	348.7	335.8	310.0	281.5	249.7	223.0	198.9
117.5°	470.1	446.0	422.8	397.8	384.0	371.1	344.4	316.0	284.1	260.0	234.2
120°	502.0	479.6	454.6	429.6	416.7	404.7	377.1	348.7	317.7	293.6	266.9
122.5°	530.4	508.0	483.0	458.9	446.9	434.8	407.3	378.8	349.6	326.3	298.8
125°	554.5	533.8	510.6	485.6	474.4	462.4	434.8	408.1	380.6	354.7	330.6
127.5°	579.5	558.8	536.4	512.3	500.2	487.3	461.5	434.8	409.0	384.9	361.6
130°	600.1	579.5	558.8	535.5	523.5	511.4	486.5	460.6	436.5	415.9	390.9
132.5°	619.9	600.1	579.5	555.3	544.2	533.0	510.6	486.5	464.9	442.6	419.3
135°	638.0	617.3	597.5	574.3	563.1	553.6	531.2	508.9	489.0	467.5	446.0
137.5°	652.6	633.7	612.2	590.6	581.2	572.6	551.0	530.4	511.4	491.6	471.8
140°	666.4	646.6	625.9	606.1	596.7	588.9	569.1	551.0	533.0	515.7	495.9
142.5°	679.3	658.7	638.0	619.9	612.2	604.4	587.2	570.0	552.8	537.3	518.3
145°	688.8	669.0	649.2	632.8	626.8	619.1	601.8	587.2	571.7	555.3	539.0
147.5°	698.3	679.3	661.2	645.7	639.7	632.8	617.3	604.4	589.8	575.1	558.8
150°	706.0	687.1	671.6	657.8	651.8	646.6	631.1	619.9	606.1	592.4	578.6
152.5°	710.3	694.0	679.3	668.1	663.0	657.8	644.9	635.4	621.6	611.3	596.7
155°	712.9	699.1	686.2	676.7	672.4	669.0	656.1	647.5	636.3	625.9	613.0
157.5°	715.5	702.6	691.4	683.6	680.2	675.9	664.7	657.8	648.3	639.7	627.7
160°	716.4	705.2	695.7	688.8	686.2	682.8	673.3	667.3	658.7	650.9	639.7
162.5°	716.4	707.7	699.1	694.0	691.4	687.9	680.2	675.9	668.1	661.2	651.8
165°	716.4	708.6	700.9	697.4	694.8	693.1	686.2	681.9	675.0	669.9	662.1
167.5°	714.6	707.7	702.6	700.0	698.3	695.7	690.5	687.1	681.9	678.5	670.7
170°	711.2	706.0	700.9	700.0	699.1	697.4	693.1	691.4	687.9	684.5	678.5
172.5°	707.7	702.6	699.1	699.1	698.3	697.4	694.0	694.0	691.4	689.7	683.6
175°	700.9	697.4	694.8	695.7	695.7	694.8	693.1	694.0	693.1	692.2	688.8
177.5°	694.0	691.4	690.5	692.2	692.2	692.2	691.4	694.0	694.0	694.8	691.4
180°	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1



TEST NUMBER: P303202

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9
2.5°	235.1	234.2	234.2	234.2	234.2	235.1	235.1	234.2	235.9	236.8	235.9
5°	234.2	233.3	233.3	233.3	234.2	234.2	234.2	234.2	235.1	235.9	235.1
7.5°	233.3	231.6	231.6	231.6	232.5	232.5	232.5	231.6	233.3	234.2	232.5
10°	229.9	229.0	229.0	229.0	229.9	229.9	229.9	229.0	229.9	230.7	229.9
12.5°	227.3	226.4	226.4	226.4	226.4	227.3	226.4	226.4	227.3	228.2	226.4
15°	223.0	221.3	221.3	221.3	222.1	222.1	222.1	221.3	223.9	223.0	222.1
17.5°	217.8	216.1	216.1	216.1	217.0	217.0	216.1	215.2	217.0	217.0	216.1
20°	212.7	210.9	210.9	210.9	211.8	211.8	211.8	210.9	211.8	211.8	210.9
22.5°	207.5	205.8	205.8	205.8	206.6	206.6	205.8	204.9	206.6	205.8	204.9
25°	201.5	200.6	200.6	200.6	200.6	200.6	199.8	198.9	200.6	199.8	198.9
27.5°	195.4	194.6	194.6	194.6	194.6	194.6	193.7	192.9	193.7	192.9	192.9
30°	189.4	187.7	187.7	188.6	188.6	187.7	186.8	186.8	187.7	186.8	186.0
32.5°	182.5	181.7	180.8	181.7	181.7	181.7	179.9	179.9	179.9	179.1	179.1
35°	175.6	174.8	173.9	174.8	174.8	173.9	173.1	173.1	173.1	172.2	171.3
37.5°	167.9	167.0	167.0	167.0	167.0	167.0	165.3	166.2	166.2	164.5	164.5
40°	160.1	159.3	159.3	160.1	160.1	159.3	158.4	159.3	158.4	157.6	156.7
42.5°	153.3	151.5	152.4	152.4	152.4	151.5	151.5	151.5	150.7	149.8	149.0
45°	144.6	143.8	144.6	144.6	144.6	143.8	143.8	142.9	142.9	142.1	141.2
47.5°	136.9	136.0	136.9	136.9	136.9	135.2	136.0	135.2	135.2	133.5	133.5
50°	128.3	128.3	129.1	128.3	128.3	127.4	127.4	126.6	126.6	125.7	124.8
52.5°	120.5	120.5	120.5	120.5	120.5	119.7	119.7	118.8	118.8	118.0	117.1
55°	111.9	111.9	112.8	112.8	111.9	111.1	111.1	111.1	110.2	109.3	108.5
57.5°	103.3	104.2	104.2	103.3	104.2	103.3	102.5	102.5	101.6	100.7	100.7
60°	95.6	95.6	95.6	95.6	95.6	94.7	94.7	94.7	93.0	92.1	92.1
62.5°	87.0	87.8	87.0	87.0	87.0	86.1	86.1	86.1	85.2	84.4	84.4
65°	79.2	79.2	79.2	78.4	78.4	78.4	78.4	77.5	76.6	75.8	75.8
67.5°	70.6	70.6	70.6	70.6	69.7	69.7	68.9	68.9	68.0	68.0	67.2
70°	62.0	62.0	62.0	62.0	61.1	61.1	61.1	60.3	59.4	59.4	59.4
72.5°	53.4	53.4	53.4	53.4	53.4	52.5	52.5	51.7	51.7	51.7	50.8
75°	44.8	44.8	44.8	44.8	44.8	43.9	43.9	43.0	43.0	43.0	42.2
77.5°	36.2	36.2	36.2	36.2	36.2	36.2	35.3	35.3	35.3	34.4	34.4
80°	28.4	28.4	27.6	28.4	27.6	27.6	27.6	27.6	26.7	26.7	25.8
82.5°	19.8	20.7	19.8	19.8	19.8	19.8	19.8	18.9	18.9	18.9	18.1
85°	12.9	12.9	12.9	12.1	12.1	12.1	11.2	11.2	10.3	11.2	10.3
87.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.3	5.2	4.3
90°	1.7	2.6	2.6	2.6	3.4	4.3	3.4	4.3	4.3	5.2	5.2
92.5°	10.3	12.1	12.1	12.1	12.9	13.8	12.9	13.8	13.8	13.8	12.9
95°	16.4	18.9	24.1	25.0	26.7	28.4	28.4	27.6	26.7	26.7	25.8
97.5°	23.2	27.6	28.4	30.1	31.9	37.0	39.6	42.2	43.9	43.9	43.0
100°	36.2	35.3	39.6	42.2	40.5	41.3	43.9	49.1	51.7	53.4	55.1
102.5°	51.7	47.4	47.4	49.1	51.7	56.0	52.5	54.2	56.0	58.5	62.9
105°	70.6	63.7	61.1	60.3	61.1	64.6	68.9	67.2	64.6	66.3	68.0
107.5°	93.0	84.4	76.6	74.9	74.9	74.9	78.4	82.7	85.2	82.7	78.4
110°	118.8	105.9	96.4	92.1	90.4	88.7	87.8	92.1	97.3	99.9	100.7



TEST NUMBER: P303202

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	147.2	130.9	118.8	114.5	109.3	104.2	102.5	103.3	105.0	111.1	113.7
115°	179.1	160.1	143.8	138.6	133.5	122.3	118.0	116.2	117.1	118.8	123.1
117.5°	210.9	192.0	172.2	164.5	158.4	146.4	135.2	131.7	130.0	130.9	131.7
120°	245.4	224.7	203.2	193.7	186.0	173.1	157.6	149.0	144.6	143.8	142.9
122.5°	277.2	257.4	238.5	226.4	216.1	199.8	184.3	172.2	164.5	158.4	156.7
125°	308.2	288.4	270.4	260.9	250.6	232.5	213.5	199.8	188.6	179.1	173.1
127.5°	338.4	319.4	300.5	291.9	283.3	263.5	245.4	231.6	217.0	204.9	195.4
130°	367.6	348.7	331.5	323.7	312.5	293.6	276.4	260.9	248.8	235.9	222.1
132.5°	396.9	378.8	362.5	353.9	344.4	324.6	307.4	292.7	278.1	266.9	255.7
135°	423.6	405.5	390.0	383.1	372.0	354.7	338.4	324.6	310.0	297.0	286.7
137.5°	449.4	432.2	416.7	409.8	400.4	384.0	368.5	355.6	340.1	327.2	317.7
140°	473.5	456.3	441.7	434.8	427.1	411.6	396.1	385.7	370.2	358.2	347.8
142.5°	497.7	481.3	466.7	460.6	452.9	438.2	423.6	415.0	401.2	390.0	378.8
145°	519.2	502.8	489.9	484.7	477.9	463.2	450.3	441.7	431.4	420.2	409.0
147.5°	539.8	524.3	512.3	508.0	502.0	489.0	476.1	468.4	460.6	448.6	438.2
150°	560.5	544.2	533.8	529.5	524.3	513.2	501.1	492.5	486.5	474.4	465.8
152.5°	579.5	565.7	554.5	549.3	545.0	535.5	523.5	514.9	511.4	501.1	491.6
155°	596.7	582.9	574.3	568.3	565.7	555.3	545.9	536.4	534.7	523.5	516.6
157.5°	611.3	599.3	589.8	586.3	582.9	575.1	565.7	557.9	556.2	546.7	539.0
160°	625.9	613.9	607.0	603.6	600.1	591.5	583.8	576.0	576.0	569.1	562.2
162.5°	638.0	627.7	621.6	619.1	616.5	610.4	601.8	594.1	594.1	588.9	582.9
165°	649.2	639.7	634.6	632.8	629.4	625.1	619.1	611.3	612.2	607.0	601.8
167.5°	660.4	650.9	646.6	644.9	643.2	638.9	633.7	626.8	627.7	625.1	619.1
170°	669.0	660.4	656.9	655.2	654.4	650.9	647.5	641.4	642.3	640.6	635.4
172.5°	675.0	668.1	666.4	664.7	664.7	662.1	659.5	654.4	655.2	656.1	650.1
175°	680.2	674.2	673.3	672.4	672.4	671.6	669.9	665.6	667.3	669.0	663.8
177.5°	684.5	680.2	680.2	680.2	680.2	680.2	679.3	675.9	677.6	681.1	675.9
180°	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1



TEST NUMBER: P303202

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	235.9	235.9	235.9	235.9	235.9	235.9	235.9	235.9
2.5°	235.9	235.9	235.9	235.9	235.9	234.2	233.3	232.5
5°	235.1	235.1	234.2	234.2	235.1	234.2	233.3	232.5
7.5°	232.5	232.5	232.5	232.5	233.3	232.5	231.6	232.5
10°	229.9	229.9	229.0	229.0	229.9	229.9	229.0	229.9
12.5°	226.4	226.4	225.6	226.4	226.4	226.4	226.4	226.4
15°	222.1	221.3	221.3	221.3	222.1	222.1	222.1	223.0
17.5°	216.1	216.1	215.2	216.1	217.0	216.1	215.2	215.2
20°	210.9	210.1	210.1	210.1	210.9	210.1	210.1	210.1
22.5°	204.9	204.1	204.1	204.1	204.9	204.1	203.2	203.2
25°	198.0	198.0	198.0	198.0	198.0	197.2	196.3	196.3
27.5°	192.0	192.0	191.1	192.0	191.1	190.3	189.4	189.4
30°	185.1	185.1	184.3	185.1	184.3	183.4	182.5	182.5
32.5°	178.2	177.4	177.4	178.2	177.4	176.5	175.6	175.6
35°	170.5	170.5	170.5	170.5	169.6	168.8	167.9	167.0
37.5°	163.6	162.7	162.7	162.7	161.9	161.0	161.0	161.0
40°	155.8	155.0	155.0	155.8	154.1	153.3	153.3	153.3
42.5°	148.1	148.1	147.2	147.2	146.4	145.5	144.6	144.6
45°	139.5	140.3	139.5	139.5	138.6	137.8	136.9	137.8
47.5°	131.7	131.7	131.7	131.7	130.9	130.0	129.1	130.0
50°	124.0	124.0	124.0	124.0	122.3	122.3	121.4	121.4
52.5°	116.2	116.2	115.4	115.4	114.5	114.5	113.7	113.7
55°	107.6	107.6	107.6	107.6	106.8	105.9	105.9	105.9
57.5°	99.9	99.9	99.0	99.0	98.2	98.2	97.3	98.2
60°	91.3	91.3	91.3	91.3	90.4	90.4	89.5	89.5
62.5°	83.5	82.7	82.7	82.7	81.8	81.8	81.8	81.8
65°	74.9	74.9	74.0	74.9	74.0	74.0	73.2	73.2
67.5°	67.2	66.3	66.3	66.3	66.3	65.4	65.4	65.4
70°	58.5	57.7	57.7	57.7	57.7	57.7	56.8	57.7
72.5°	49.9	49.9	49.9	49.9	49.1	49.1	49.1	49.1
75°	42.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3
77.5°	34.4	33.6	33.6	33.6	33.6	32.7	32.7	32.7
80°	25.8	25.8	25.8	25.0	25.0	25.0	25.0	25.0
82.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.4
85°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	4.3	4.3	4.3	4.3	5.2	5.2	5.2	5.2
90°	5.2	5.2	6.0	6.0	6.0	6.0	6.9	6.9
92.5°	13.8	13.8	14.6	14.6	13.8	13.8	14.6	14.6
95°	26.7	26.7	26.7	26.7	25.8	25.8	26.7	26.7
97.5°	43.0	42.2	43.0	42.2	41.3	41.3	41.3	40.5
100°	56.8	56.8	57.7	57.7	57.7	57.7	58.5	57.7
102.5°	64.6	65.4	66.3	66.3	67.2	68.0	68.0	68.0
105°	69.7	70.6	72.3	73.2	75.8	76.6	77.5	77.5
107.5°	80.1	80.1	80.9	81.8	81.8	82.7	83.5	83.5
110°	99.0	95.6	94.7	94.7	93.0	93.0	93.8	94.7



TEST NUMBER: P303202

CATALOG NUMBER: CTW-F-7525-30L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	116.2	117.1	117.1	118.0	114.5	112.8	113.7	113.7
115°	127.4	129.1	129.1	130.9	130.9	131.7	133.5	133.5
117.5°	135.2	137.8	138.6	139.5	142.1	142.9	144.6	144.6
120°	144.6	146.4	147.2	148.1	149.0	149.8	150.7	151.5
122.5°	156.7	155.8	156.7	156.7	157.6	158.4	158.4	159.3
125°	170.5	169.6	168.8	169.6	167.9	167.0	167.0	167.9
127.5°	189.4	186.0	184.3	182.5	181.7	180.8	179.9	179.1
130°	213.5	208.4	204.9	204.1	199.8	197.2	195.4	196.3
132.5°	245.4	237.6	234.2	232.5	224.7	220.4	218.7	218.7
135°	277.2	268.6	265.2	260.9	255.7	251.4	247.1	247.1
137.5°	307.4	301.3	297.0	292.7	287.6	283.3	279.0	278.1
140°	337.5	330.6	326.3	322.9	318.6	314.3	310.0	312.5
142.5°	368.5	360.8	356.5	355.6	349.6	345.3	342.7	343.5
145°	398.6	390.9	387.4	385.7	380.6	375.4	372.8	371.1
147.5°	428.8	421.9	418.4	416.7	411.6	406.4	403.8	402.9
150°	457.2	451.2	447.7	445.1	441.7	437.4	432.2	432.2
152.5°	484.7	478.7	474.4	474.4	471.0	465.8	460.6	463.2
155°	509.7	504.5	502.0	501.1	497.7	493.4	489.0	490.8
157.5°	533.8	527.8	526.1	524.3	522.6	519.2	514.9	516.6
160°	557.1	551.9	550.2	548.5	546.7	543.3	539.0	539.8
162.5°	579.5	576.0	572.6	571.7	570.8	566.5	562.2	563.1
165°	598.4	595.0	592.4	591.5	591.5	588.1	583.8	584.6
167.5°	616.5	612.2	610.4	608.7	609.6	607.0	603.6	605.3
170°	632.8	630.3	628.5	627.7	628.5	625.1	622.5	623.4
172.5°	648.3	646.6	644.9	644.0	645.7	643.2	639.7	640.6
175°	662.1	660.4	659.5	658.7	659.5	656.1	654.4	655.2
177.5°	675.0	674.2	673.3	672.4	674.2	669.9	666.4	668.1
180°	687.1	687.1	687.1	687.1	687.1	687.1	687.1	687.1

(END OF REPORT)