

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: P303199

Luminaire Tested: **CTW-F-7525-30L830-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303199  
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-7525-30L830-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

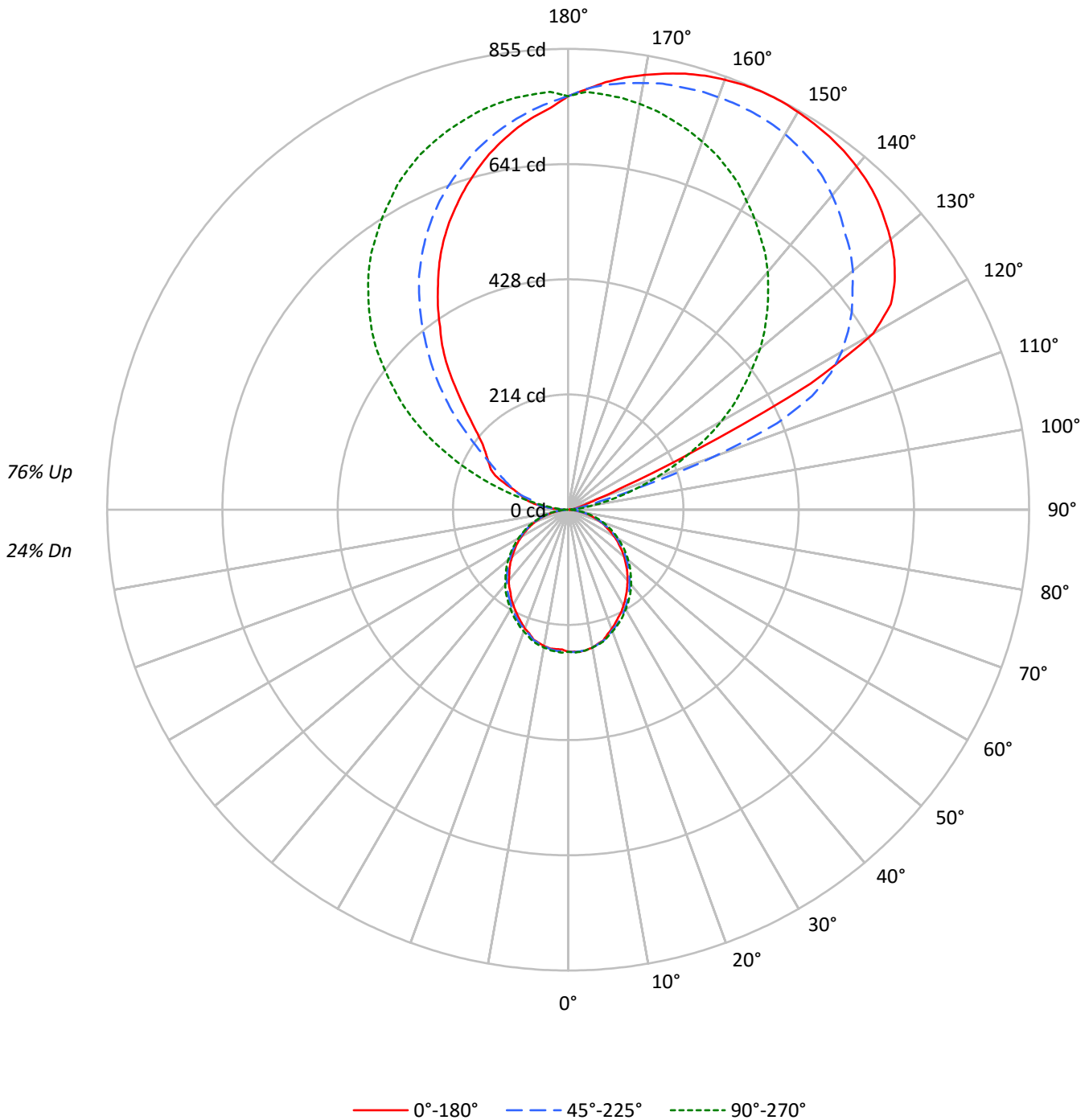
Lumens per Lamp: N/A  
Luminaire Lumens: 2873.2 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.21 / 1.31  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

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	
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°	5673	5673	5673
5°	5714	5714	5610
10°	5675	5675	5611
15°	5594	5636	5550
20°	5397	5507	5375
25°	5230	5413	5207
30°	5091	5307	5066
35°	4954	5206	4901
40°	4811	5106	4811
45°	4682	4978	4682
50°	4541	4863	4541
55°	4365	4729	4440
60°	4224	4594	4306
65°	4014	4457	4162
70°	3814	4356	4054
75°	3602	4159	3843
80°	3099	3818	3459
85°	1902	3335	2841



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.9	0.9
10°-20°	70.1	2.4
20°-30°	102.9	3.6
30°-40°	120.7	4.2
40°-50°	122.3	4.3
50°-60°	109.0	3.8
60°-70°	83.7	2.9
70°-80°	49.6	1.7
80°-90°	13.9	0.5
90°-100°	22.8	0.8
100°-110°	94.4	3.3
110°-120°	265.5	9.2
120°-130°	383.5	13.3
130°-140°	412.4	14.4
140°-150°	392.3	13.7
150°-160°	322.0	11.2
160°-170°	210.3	7.3
170°-180°	72.9	2.5
0°-30°	198.0	6.9
0°-40°	318.7	11.1
0°-60°	550.0	19.1
0°-90°	697.2	24.3
90°-120°	382.7	13.3
90°-150°	1570.8	54.7
90°-180°	2176.0	75.7
0°-180°	2873.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	264	264	264	264	264	
5°	264	264	264	262	260	25
15°	251	252	253	250	249	70
25°	220	226	228	224	219	102
35°	188	195	198	193	186	118
45°	154	159	164	160	154	118
55°	116	121	126	123	118	104
65°	79	84	88	86	82	79
75°	43	46	50	48	46	45
85°	8	10	14	12	12	10
90°	2	1	1	5	8	1
95°	6	7	16	30	30	6
105°	26	66	103	72	86	31
115°	259	499	249	131	149	302
125°	739	642	396	211	188	656
135°	812	726	522	346	276	626
145°	845	788	620	482	414	530
155°	855	812	699	597	548	395
165°	838	812	748	684	653	237
175°	796	791	773	745	732	77
180°	767	767	767	767	767	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5
2.5°	263.5	262.5	263.5	263.5	264.4	264.4	264.4	263.5	264.4	265.4	264.4
5°	264.4	264.4	263.5	263.5	263.5	263.5	263.5	262.5	263.5	264.4	263.5
7.5°	262.5	262.5	262.5	261.5	261.5	261.5	261.5	261.5	261.5	262.5	262.5
10°	259.6	259.6	258.7	257.7	258.7	258.7	258.7	257.7	258.7	259.6	259.6
12.5°	254.8	255.8	254.8	254.8	254.8	254.8	254.8	254.8	255.8	256.7	255.8
15°	251.0	251.0	251.0	250.0	250.0	250.0	250.0	249.0	251.0	251.9	251.9
17.5°	242.3	242.3	242.3	243.3	244.2	244.2	244.2	243.3	243.3	246.2	245.2
20°	235.6	235.6	235.6	235.6	236.5	236.5	236.5	236.5	236.5	238.5	238.5
22.5°	227.9	228.8	228.8	228.8	229.8	229.8	229.8	229.8	229.8	231.7	232.7
25°	220.2	221.2	221.2	222.1	222.1	222.1	222.1	223.1	223.1	225.0	226.0
27.5°	213.5	213.5	213.5	214.4	214.4	215.4	215.4	216.3	216.3	217.3	219.2
30°	204.8	204.8	205.8	205.8	206.7	207.7	207.7	208.7	208.7	209.6	211.5
32.5°	197.1	197.1	197.1	198.1	199.0	199.0	199.0	200.0	200.0	201.0	202.9
35°	188.5	188.5	188.5	189.4	189.4	190.4	190.4	191.3	192.3	193.3	195.2
37.5°	179.8	179.8	179.8	180.8	180.8	181.7	182.7	183.7	183.7	184.6	186.5
40°	171.2	171.2	171.2	172.1	173.1	173.1	173.1	174.0	175.0	176.0	176.9
42.5°	162.5	161.5	162.5	162.5	163.5	164.4	164.4	165.4	166.3	167.3	168.3
45°	153.8	152.9	153.8	153.8	154.8	154.8	154.8	156.7	156.7	157.7	158.7
47.5°	144.2	144.2	144.2	144.2	146.2	145.2	146.2	147.1	148.1	149.0	150.0
50°	135.6	134.6	135.6	135.6	136.5	136.5	136.5	137.5	138.5	139.4	140.4
52.5°	126.0	126.0	126.0	126.0	126.9	127.9	127.9	128.8	128.8	129.8	130.8
55°	116.3	116.3	117.3	117.3	118.3	118.3	118.3	119.2	119.2	121.2	121.2
57.5°	107.7	107.7	107.7	107.7	108.7	108.7	109.6	109.6	109.6	111.5	112.5
60°	98.1	98.1	99.0	98.1	100.0	99.0	100.0	100.0	101.0	101.9	102.9
62.5°	88.5	89.4	89.4	89.4	89.4	90.4	90.4	91.3	91.3	92.3	93.3
65°	78.8	78.8	79.8	79.8	80.8	80.8	80.8	81.7	81.7	82.7	83.7
67.5°	71.2	71.2	70.2	70.2	71.2	71.2	72.1	72.1	72.1	73.1	73.1
70°	60.6	61.5	61.5	61.5	61.5	62.5	62.5	62.5	63.5	63.5	64.4
72.5°	51.9	51.9	51.9	51.9	51.9	52.9	52.9	52.9	53.8	53.8	54.8
75°	43.3	42.3	43.3	42.3	43.3	43.3	43.3	44.2	44.2	44.2	46.2
77.5°	33.7	33.7	33.7	33.7	33.7	33.7	34.6	34.6	35.6	36.5	36.5
80°	25.0	24.0	25.0	25.0	25.0	25.0	25.0	25.0	26.0	26.9	26.9
82.5°	15.4	15.4	15.4	15.4	16.3	16.3	16.3	16.3	17.3	18.3	18.3
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.7	8.7	9.6	9.6
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9
90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0
92.5°	2.9	2.9	2.9	2.9	2.9	3.8	3.8	2.9	3.8	3.8	3.8
95°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.7	6.7	6.7	6.7
97.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.6	10.6	11.5	12.5
100°	13.5	13.5	13.5	13.5	13.5	14.4	14.4	15.4	16.3	18.3	21.2
102.5°	19.2	19.2	19.2	19.2	20.2	21.2	21.2	22.1	25.0	28.8	35.6
105°	26.0	26.0	26.9	26.9	27.9	28.8	29.8	33.7	39.4	49.0	66.3
107.5°	36.5	36.5	37.5	39.4	41.3	43.3	47.1	56.7	74.0	101.0	144.2
110°	56.7	56.7	58.7	65.4	72.1	76.9	88.5	117.3	165.4	224.0	286.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	112.5	114.4	120.2	138.5	162.5	177.9	210.6	274.0	332.7	391.3	419.2
115°	258.7	286.5	294.2	328.8	373.1	394.2	417.3	460.6	492.3	506.7	499.0
117.5°	506.7	529.8	528.8	554.8	566.3	573.1	578.8	584.6	573.1	567.3	549.0
120°	652.9	658.7	651.0	651.9	650.0	647.1	644.2	634.6	621.2	605.8	585.6
122.5°	709.6	707.7	703.8	699.0	691.3	685.6	680.8	668.3	653.8	636.5	615.4
125°	739.4	737.5	733.7	726.9	718.3	713.5	707.7	695.2	679.8	662.5	642.3
127.5°	762.5	759.6	755.8	749.0	741.3	735.6	731.7	718.3	702.9	686.5	664.4
130°	780.8	778.8	774.0	769.2	760.6	755.8	751.0	739.4	722.1	706.7	689.4
132.5°	796.2	795.2	791.3	786.5	777.9	773.1	769.2	757.7	741.3	725.0	709.6
135°	811.5	809.6	805.8	801.0	792.3	788.5	783.7	774.0	757.7	741.3	726.0
137.5°	823.1	820.2	817.3	813.5	804.8	801.9	797.1	786.5	772.1	758.7	745.2
140°	831.7	828.8	826.0	823.1	815.4	812.5	808.7	798.1	783.7	772.1	761.5
142.5°	839.4	836.5	834.6	831.7	825.0	822.1	819.2	808.7	796.2	785.6	776.9
145°	845.2	842.3	841.3	838.5	832.7	829.8	826.9	816.3	804.8	794.2	788.5
147.5°	849.0	848.1	846.2	843.3	838.5	836.5	833.7	824.0	811.5	803.8	797.1
150°	851.9	851.9	850.0	848.1	843.3	841.3	838.5	828.8	819.2	812.5	804.8
152.5°	854.8	854.8	852.9	850.0	846.2	844.2	840.4	831.7	823.1	818.3	809.6
155°	854.8	855.8	853.8	850.0	847.1	844.2	841.3	832.7	825.0	821.2	812.5
157.5°	852.9	853.8	851.0	848.1	845.2	843.3	839.4	831.7	826.0	823.1	814.4
160°	849.0	850.0	848.1	845.2	842.3	841.3	837.5	830.8	826.0	823.1	814.4
162.5°	844.2	845.2	844.2	841.3	839.4	838.5	834.6	828.8	824.0	822.1	814.4
165°	837.5	838.5	837.5	834.6	833.7	831.7	828.8	823.1	819.2	819.2	811.5
167.5°	828.8	829.8	828.8	824.0	824.0	822.1	821.2	816.3	814.4	815.4	809.6
170°	819.2	820.2	818.3	815.4	816.3	814.4	813.5	810.6	808.7	809.6	803.8
172.5°	808.7	809.6	808.7	805.8	806.7	805.8	804.8	801.0	800.0	802.9	798.1
175°	796.2	796.2	796.2	793.3	795.2	794.2	793.3	791.3	791.3	794.2	791.3
177.5°	780.8	780.8	781.7	780.8	782.7	781.7	781.7	780.8	780.8	784.6	781.7
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5
2.5°	262.5	261.5	261.5	262.5	262.5	262.5	263.5	264.4	264.4	265.4	264.4
5°	262.5	261.5	260.6	261.5	262.5	262.5	262.5	263.5	263.5	264.4	263.5
7.5°	260.6	259.6	259.6	260.6	260.6	260.6	260.6	261.5	261.5	262.5	261.5
10°	257.7	256.7	256.7	256.7	257.7	257.7	258.7	259.6	259.6	259.6	258.7
12.5°	254.8	253.8	253.8	253.8	254.8	254.8	254.8	255.8	256.7	256.7	255.8
15°	249.0	248.1	248.1	249.0	250.0	250.0	251.0	251.9	252.9	252.9	251.9
17.5°	244.2	243.3	243.3	244.2	244.2	245.2	245.2	246.2	245.2	246.2	245.2
20°	237.5	236.5	236.5	237.5	237.5	238.5	238.5	239.4	240.4	240.4	239.4
22.5°	231.7	229.8	230.8	230.8	231.7	231.7	232.7	233.7	233.7	234.6	233.7
25°	225.0	224.0	224.0	225.0	225.0	226.0	226.0	226.9	227.9	227.9	226.9
27.5°	218.3	217.3	216.3	217.3	218.3	219.2	219.2	220.2	221.2	221.2	220.2
30°	210.6	209.6	209.6	210.6	210.6	211.5	212.5	212.5	214.4	213.5	212.5
32.5°	203.8	202.9	201.9	202.9	203.8	203.8	204.8	205.8	205.8	205.8	204.8
35°	195.2	194.2	194.2	194.2	195.2	196.2	197.1	197.1	198.1	198.1	197.1
37.5°	187.5	186.5	185.6	186.5	187.5	188.5	188.5	189.4	189.4	190.4	189.4
40°	178.8	177.9	177.9	177.9	178.8	179.8	179.8	180.8	181.7	181.7	180.8
42.5°	170.2	169.2	169.2	169.2	170.2	171.2	171.2	172.1	173.1	172.1	172.1
45°	161.5	160.6	160.6	160.6	161.5	161.5	162.5	163.5	163.5	163.5	162.5
47.5°	151.0	151.9	151.9	151.9	151.9	152.9	152.9	153.8	153.8	154.8	153.8
50°	141.3	142.3	142.3	142.3	143.3	143.3	144.2	144.2	144.2	145.2	144.2
52.5°	132.7	132.7	132.7	133.7	133.7	133.7	134.6	135.6	135.6	135.6	134.6
55°	123.1	123.1	124.0	125.0	125.0	125.0	125.0	126.0	126.0	126.0	126.0
57.5°	113.5	113.5	114.4	115.4	115.4	115.4	115.4	116.3	116.3	116.3	115.4
60°	103.8	103.8	104.8	105.8	105.8	105.8	105.8	106.7	106.7	106.7	106.7
62.5°	94.2	94.2	95.2	96.2	96.2	96.2	96.2	97.1	97.1	97.1	97.1
65°	84.6	84.6	85.6	86.5	86.5	86.5	87.5	87.5	88.5	87.5	88.5
67.5°	75.0	76.0	76.0	76.9	76.9	76.9	77.9	77.9	78.8	78.8	78.8
70°	65.4	66.3	66.3	67.3	67.3	67.3	67.3	68.3	69.2	69.2	69.2
72.5°	55.8	55.8	56.7	57.7	57.7	57.7	58.7	58.7	59.6	59.6	59.6
75°	46.2	47.1	47.1	48.1	48.1	48.1	49.0	49.0	50.0	50.0	50.0
77.5°	36.5	37.5	38.5	39.4	38.5	39.4	39.4	40.4	40.4	40.4	41.3
80°	27.9	28.8	28.8	29.8	29.8	29.8	29.8	30.8	31.7	30.8	31.7
82.5°	19.2	19.2	20.2	21.2	21.2	21.2	21.2	22.1	22.1	22.1	23.1
85°	10.6	11.5	11.5	11.5	12.5	12.5	13.5	13.5	13.5	13.5	14.4
87.5°	2.9	2.9	3.8	4.8	4.8	4.8	4.8	5.8	5.8	5.8	6.7
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°	3.8	3.8	4.8	4.8	5.8	5.8	7.7	8.7	7.7	5.8	7.7
95°	7.7	9.6	11.5	15.4	17.3	18.3	23.1	23.1	20.2	16.3	15.4
97.5°	15.4	19.2	24.0	32.7	36.5	41.3	46.2	44.2	36.5	29.8	27.9
100°	26.0	34.6	49.0	64.4	71.2	76.9	77.9	71.2	59.6	49.0	44.2
102.5°	48.1	68.3	95.2	119.2	122.1	125.0	119.2	105.8	88.5	73.1	63.5
105°	98.1	138.5	171.2	185.6	184.6	181.7	165.4	145.2	123.1	102.9	86.5
107.5°	201.9	240.4	260.6	253.8	245.2	236.5	211.5	188.5	160.6	135.6	118.3
110°	331.7	342.3	334.6	313.5	300.0	288.5	259.6	230.8	200.0	173.1	149.0





TEST NUMBER: P303199

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	425.0	410.6	387.5	360.6	347.1	332.7	302.9	275.0	239.4	211.5	184.6
115°	483.7	459.6	432.7	403.8	389.4	375.0	346.2	314.4	278.8	249.0	222.1
117.5°	525.0	498.1	472.1	444.2	428.8	414.4	384.6	352.9	317.3	290.4	261.5
120°	560.6	535.6	507.7	479.8	465.4	451.9	421.2	389.4	354.8	327.9	298.1
122.5°	592.3	567.3	539.4	512.5	499.0	485.6	454.8	423.1	390.4	364.4	333.7
125°	619.2	596.2	570.2	542.3	529.8	516.3	485.6	455.8	425.0	396.2	369.2
127.5°	647.1	624.0	599.0	572.1	558.7	544.2	515.4	485.6	456.7	429.8	403.8
130°	670.2	647.1	624.0	598.1	584.6	571.2	543.3	514.4	487.5	464.4	436.5
132.5°	692.3	670.2	647.1	620.2	607.7	595.2	570.2	543.3	519.2	494.2	468.3
135°	712.5	689.4	667.3	641.3	628.8	618.3	593.3	568.3	546.2	522.1	498.1
137.5°	728.8	707.7	683.7	659.6	649.0	639.4	615.4	592.3	571.2	549.0	526.9
140°	744.2	722.1	699.0	676.9	666.3	657.7	635.6	615.4	595.2	576.0	553.8
142.5°	758.7	735.6	712.5	692.3	683.7	675.0	655.8	636.5	617.3	600.0	578.8
145°	769.2	747.1	725.0	706.7	700.0	691.3	672.1	655.8	638.5	620.2	601.9
147.5°	779.8	758.7	738.5	721.2	714.4	706.7	689.4	675.0	658.7	642.3	624.0
150°	788.5	767.3	750.0	734.6	727.9	722.1	704.8	692.3	676.9	661.5	646.2
152.5°	793.3	775.0	758.7	746.2	740.4	734.6	720.2	709.6	694.2	682.7	666.3
155°	796.2	780.8	766.3	755.8	751.0	747.1	732.7	723.1	710.6	699.0	684.6
157.5°	799.0	784.6	772.1	763.5	759.6	754.8	742.3	734.6	724.0	714.4	701.0
160°	800.0	787.5	776.9	769.2	766.3	762.5	751.9	745.2	735.6	726.9	714.4
162.5°	800.0	790.4	780.8	775.0	772.1	768.3	759.6	754.8	746.2	738.5	727.9
165°	800.0	791.3	782.7	778.8	776.0	774.0	766.3	761.5	753.8	748.1	739.4
167.5°	798.1	790.4	784.6	781.7	779.8	776.9	771.2	767.3	761.5	757.7	749.0
170°	794.2	788.5	782.7	781.7	780.8	778.8	774.0	772.1	768.3	764.4	757.7
172.5°	790.4	784.6	780.8	780.8	779.8	778.8	775.0	775.0	772.1	770.2	763.5
175°	782.7	778.8	776.0	776.9	776.9	776.0	774.0	775.0	774.0	773.1	769.2
177.5°	775.0	772.1	771.2	773.1	773.1	773.1	772.1	775.0	775.0	776.0	772.1
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



TEST NUMBER: P303199

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5
2.5°	262.5	261.5	261.5	261.5	261.5	262.5	262.5	261.5	263.5	264.4	263.5
5°	261.5	260.6	260.6	260.6	261.5	261.5	261.5	261.5	262.5	263.5	262.5
7.5°	260.6	258.7	258.7	258.7	259.6	259.6	259.6	258.7	260.6	261.5	259.6
10°	256.7	255.8	255.8	255.8	256.7	256.7	256.7	255.8	256.7	257.7	256.7
12.5°	253.8	252.9	252.9	252.9	252.9	253.8	252.9	252.9	253.8	254.8	252.9
15°	249.0	247.1	247.1	247.1	248.1	248.1	248.1	247.1	250.0	249.0	248.1
17.5°	243.3	241.3	241.3	241.3	242.3	242.3	241.3	240.4	242.3	242.3	241.3
20°	237.5	235.6	235.6	235.6	236.5	236.5	236.5	235.6	236.5	236.5	235.6
22.5°	231.7	229.8	229.8	229.8	230.8	230.8	229.8	228.8	230.8	229.8	228.8
25°	225.0	224.0	224.0	224.0	224.0	224.0	223.1	222.1	224.0	223.1	222.1
27.5°	218.3	217.3	217.3	217.3	217.3	217.3	216.3	215.4	216.3	215.4	215.4
30°	211.5	209.6	209.6	210.6	210.6	209.6	208.7	208.7	209.6	208.7	207.7
32.5°	203.8	202.9	201.9	202.9	202.9	202.9	201.0	201.0	201.0	200.0	200.0
35°	196.2	195.2	194.2	195.2	195.2	194.2	193.3	193.3	193.3	192.3	191.3
37.5°	187.5	186.5	186.5	186.5	186.5	186.5	184.6	185.6	185.6	183.7	183.7
40°	178.8	177.9	177.9	178.8	178.8	177.9	176.9	177.9	176.9	176.0	175.0
42.5°	171.2	169.2	170.2	170.2	170.2	169.2	169.2	169.2	168.3	167.3	166.3
45°	161.5	160.6	161.5	161.5	161.5	160.6	160.6	159.6	159.6	158.7	157.7
47.5°	152.9	151.9	152.9	152.9	152.9	151.0	151.9	151.0	151.0	149.0	149.0
50°	143.3	143.3	144.2	143.3	143.3	142.3	142.3	141.3	141.3	140.4	139.4
52.5°	134.6	134.6	134.6	134.6	134.6	133.7	133.7	132.7	132.7	131.7	130.8
55°	125.0	125.0	126.0	126.0	125.0	124.0	124.0	124.0	123.1	122.1	121.2
57.5°	115.4	116.3	116.3	115.4	116.3	115.4	114.4	114.4	113.5	112.5	112.5
60°	106.7	106.7	106.7	106.7	106.7	105.8	105.8	105.8	103.8	102.9	102.9
62.5°	97.1	98.1	97.1	97.1	97.1	96.2	96.2	96.2	95.2	94.2	94.2
65°	88.5	88.5	88.5	87.5	87.5	87.5	87.5	86.5	85.6	84.6	84.6
67.5°	78.8	78.8	78.8	78.8	77.9	77.9	76.9	76.9	76.0	76.0	75.0
70°	69.2	69.2	69.2	69.2	68.3	68.3	68.3	67.3	66.3	66.3	66.3
72.5°	59.6	59.6	59.6	59.6	59.6	58.7	58.7	57.7	57.7	57.7	56.7
75°	50.0	50.0	50.0	50.0	50.0	49.0	49.0	48.1	48.1	48.1	47.1
77.5°	40.4	40.4	40.4	40.4	40.4	40.4	39.4	39.4	39.4	38.5	38.5
80°	31.7	31.7	30.8	31.7	30.8	30.8	30.8	30.8	29.8	29.8	28.8
82.5°	22.1	23.1	22.1	22.1	22.1	22.1	22.1	21.2	21.2	21.2	20.2
85°	14.4	14.4	14.4	13.5	13.5	13.5	12.5	12.5	11.5	12.5	11.5
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	4.8	5.8	4.8
90°	1.9	2.9	2.9	2.9	3.8	4.8	3.8	4.8	4.8	5.8	5.8
92.5°	11.5	13.5	13.5	13.5	14.4	15.4	14.4	15.4	15.4	15.4	14.4
95°	18.3	21.2	26.9	27.9	29.8	31.7	31.7	30.8	29.8	29.8	28.8
97.5°	26.0	30.8	31.7	33.7	35.6	41.3	44.2	47.1	49.0	49.0	48.1
100°	40.4	39.4	44.2	47.1	45.2	46.2	49.0	54.8	57.7	59.6	61.5
102.5°	57.7	52.9	52.9	54.8	57.7	62.5	58.7	60.6	62.5	65.4	70.2
105°	78.8	71.2	68.3	67.3	68.3	72.1	76.9	75.0	72.1	74.0	76.0
107.5°	103.8	94.2	85.6	83.7	83.7	83.7	87.5	92.3	95.2	92.3	87.5
110°	132.7	118.3	107.7	102.9	101.0	99.0	98.1	102.9	108.7	111.5	112.5



TEST NUMBER: P303199

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	164.4	146.2	132.7	127.9	122.1	116.3	114.4	115.4	117.3	124.0	126.9
115°	200.0	178.8	160.6	154.8	149.0	136.5	131.7	129.8	130.8	132.7	137.5
117.5°	235.6	214.4	192.3	183.7	176.9	163.5	151.0	147.1	145.2	146.2	147.1
120°	274.0	251.0	226.9	216.3	207.7	193.3	176.0	166.3	161.5	160.6	159.6
122.5°	309.6	287.5	266.3	252.9	241.3	223.1	205.8	192.3	183.7	176.9	175.0
125°	344.2	322.1	301.9	291.3	279.8	259.6	238.5	223.1	210.6	200.0	193.3
127.5°	377.9	356.7	335.6	326.0	316.3	294.2	274.0	258.7	242.3	228.8	218.3
130°	410.6	389.4	370.2	361.5	349.0	327.9	308.7	291.3	277.9	263.5	248.1
132.5°	443.3	423.1	404.8	395.2	384.6	362.5	343.3	326.9	310.6	298.1	285.6
135°	473.1	452.9	435.6	427.9	415.4	396.2	377.9	362.5	346.2	331.7	320.2
137.5°	501.9	482.7	465.4	457.7	447.1	428.8	411.5	397.1	379.8	365.4	354.8
140°	528.8	509.6	493.3	485.6	476.9	459.6	442.3	430.8	413.5	400.0	388.5
142.5°	555.8	537.5	521.2	514.4	505.8	489.4	473.1	463.5	448.1	435.6	423.1
145°	579.8	561.5	547.1	541.3	533.7	517.3	502.9	493.3	481.7	469.2	456.7
147.5°	602.9	585.6	572.1	567.3	560.6	546.2	531.7	523.1	514.4	501.0	489.4
150°	626.0	607.7	596.2	591.3	585.6	573.1	559.6	550.0	543.3	529.8	520.2
152.5°	647.1	631.7	619.2	613.5	608.7	598.1	584.6	575.0	571.2	559.6	549.0
155°	666.3	651.0	641.3	634.6	631.7	620.2	609.6	599.0	597.1	584.6	576.9
157.5°	682.7	669.2	658.7	654.8	651.0	642.3	631.7	623.1	621.2	610.6	601.9
160°	699.0	685.6	677.9	674.0	670.2	660.6	651.9	643.3	643.3	635.6	627.9
162.5°	712.5	701.0	694.2	691.3	688.5	681.7	672.1	663.5	663.5	657.7	651.0
165°	725.0	714.4	708.7	706.7	702.9	698.1	691.3	682.7	683.7	677.9	672.1
167.5°	737.5	726.9	722.1	720.2	718.3	713.5	707.7	700.0	701.0	698.1	691.3
170°	747.1	737.5	733.7	731.7	730.8	726.9	723.1	716.3	717.3	715.4	709.6
172.5°	753.8	746.2	744.2	742.3	742.3	739.4	736.5	730.8	731.7	732.7	726.0
175°	759.6	752.9	751.9	751.0	751.0	750.0	748.1	743.3	745.2	747.1	741.3
177.5°	764.4	759.6	759.6	759.6	759.6	759.6	758.7	754.8	756.7	760.6	754.8
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3



TEST NUMBER: P303199

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5
2.5°	263.5	263.5	263.5	263.5	263.5	261.5	260.6	259.6
5°	262.5	262.5	261.5	261.5	262.5	261.5	260.6	259.6
7.5°	259.6	259.6	259.6	259.6	260.6	259.6	258.7	259.6
10°	256.7	256.7	255.8	255.8	256.7	256.7	255.8	256.7
12.5°	252.9	252.9	251.9	252.9	252.9	252.9	252.9	252.9
15°	248.1	247.1	247.1	247.1	248.1	248.1	248.1	249.0
17.5°	241.3	241.3	240.4	241.3	242.3	241.3	240.4	240.4
20°	235.6	234.6	234.6	234.6	235.6	234.6	234.6	234.6
22.5°	228.8	227.9	227.9	227.9	228.8	227.9	226.9	226.9
25°	221.2	221.2	221.2	221.2	221.2	220.2	219.2	219.2
27.5°	214.4	214.4	213.5	214.4	213.5	212.5	211.5	211.5
30°	206.7	206.7	205.8	206.7	205.8	204.8	203.8	203.8
32.5°	199.0	198.1	198.1	199.0	198.1	197.1	196.2	196.2
35°	190.4	190.4	190.4	190.4	189.4	188.5	187.5	186.5
37.5°	182.7	181.7	181.7	181.7	180.8	179.8	179.8	179.8
40°	174.0	173.1	173.1	174.0	172.1	171.2	171.2	171.2
42.5°	165.4	165.4	164.4	164.4	163.5	162.5	161.5	161.5
45°	155.8	156.7	155.8	155.8	154.8	153.8	152.9	153.8
47.5°	147.1	147.1	147.1	147.1	146.2	145.2	144.2	145.2
50°	138.5	138.5	138.5	138.5	136.5	136.5	135.6	135.6
52.5°	129.8	129.8	128.8	128.8	127.9	127.9	126.9	126.9
55°	120.2	120.2	120.2	120.2	119.2	118.3	118.3	118.3
57.5°	111.5	111.5	110.6	110.6	109.6	109.6	108.7	109.6
60°	101.9	101.9	101.9	101.9	101.0	101.0	100.0	100.0
62.5°	93.3	92.3	92.3	92.3	91.3	91.3	91.3	91.3
65°	83.7	83.7	82.7	83.7	82.7	82.7	81.7	81.7
67.5°	75.0	74.0	74.0	74.0	74.0	73.1	73.1	73.1
70°	65.4	64.4	64.4	64.4	64.4	64.4	63.5	64.4
72.5°	55.8	55.8	55.8	55.8	54.8	54.8	54.8	54.8
75°	47.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
77.5°	38.5	37.5	37.5	37.5	37.5	36.5	36.5	36.5
80°	28.8	28.8	28.8	27.9	27.9	27.9	27.9	27.9
82.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	18.3
85°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
87.5°	4.8	4.8	4.8	4.8	5.8	5.8	5.8	5.8
90°	5.8	5.8	6.7	6.7	6.7	6.7	7.7	7.7
92.5°	15.4	15.4	16.3	16.3	15.4	15.4	16.3	16.3
95°	29.8	29.8	29.8	29.8	28.8	28.8	29.8	29.8
97.5°	48.1	47.1	48.1	47.1	46.2	46.2	46.2	45.2
100°	63.5	63.5	64.4	64.4	64.4	64.4	65.4	64.4
102.5°	72.1	73.1	74.0	74.0	75.0	76.0	76.0	76.0
105°	77.9	78.8	80.8	81.7	84.6	85.6	86.5	86.5
107.5°	89.4	89.4	90.4	91.3	91.3	92.3	93.3	93.3
110°	110.6	106.7	105.8	105.8	103.8	103.8	104.8	105.8



TEST NUMBER: P303199

CATALOG NUMBER: CTW-F-7525-30L830-UNV-STD-4

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	129.8	130.8	130.8	131.7	127.9	126.0	126.9	126.9
115°	142.3	144.2	144.2	146.2	146.2	147.1	149.0	149.0
117.5°	151.0	153.8	154.8	155.8	158.7	159.6	161.5	161.5
120°	161.5	163.5	164.4	165.4	166.3	167.3	168.3	169.2
122.5°	175.0	174.0	175.0	175.0	176.0	176.9	176.9	177.9
125°	190.4	189.4	188.5	189.4	187.5	186.5	186.5	187.5
127.5°	211.5	207.7	205.8	203.8	202.9	201.9	201.0	200.0
130°	238.5	232.7	228.8	227.9	223.1	220.2	218.3	219.2
132.5°	274.0	265.4	261.5	259.6	251.0	246.2	244.2	244.2
135°	309.6	300.0	296.2	291.3	285.6	280.8	276.0	276.0
137.5°	343.3	336.5	331.7	326.9	321.2	316.3	311.5	310.6
140°	376.9	369.2	364.4	360.6	355.8	351.0	346.2	349.0
142.5°	411.5	402.9	398.1	397.1	390.4	385.6	382.7	383.7
145°	445.2	436.5	432.7	430.8	425.0	419.2	416.3	414.4
147.5°	478.8	471.2	467.3	465.4	459.6	453.8	451.0	450.0
150°	510.6	503.8	500.0	497.1	493.3	488.5	482.7	482.7
152.5°	541.3	534.6	529.8	529.8	526.0	520.2	514.4	517.3
155°	569.2	563.5	560.6	559.6	555.8	551.0	546.2	548.1
157.5°	596.2	589.4	587.5	585.6	583.7	579.8	575.0	576.9
160°	622.1	616.3	614.4	612.5	610.6	606.7	601.9	602.9
162.5°	647.1	643.3	639.4	638.5	637.5	632.7	627.9	628.8
165°	668.3	664.4	661.5	660.6	660.6	656.7	651.9	652.9
167.5°	688.5	683.7	681.7	679.8	680.8	677.9	674.0	676.0
170°	706.7	703.8	701.9	701.0	701.9	698.1	695.2	696.2
172.5°	724.0	722.1	720.2	719.2	721.2	718.3	714.4	715.4
175°	739.4	737.5	736.5	735.6	736.5	732.7	730.8	731.7
177.5°	753.8	752.9	751.9	751.0	752.9	748.1	744.2	746.2
180°	767.3	767.3	767.3	767.3	767.3	767.3	767.3	767.3

(END OF REPORT)