

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: P303192

Luminaire Tested: **CTW-F-7525-20L940-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303192  
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-7525-20L940-UNV-STD-6  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
75% UPLIGHT, 25% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

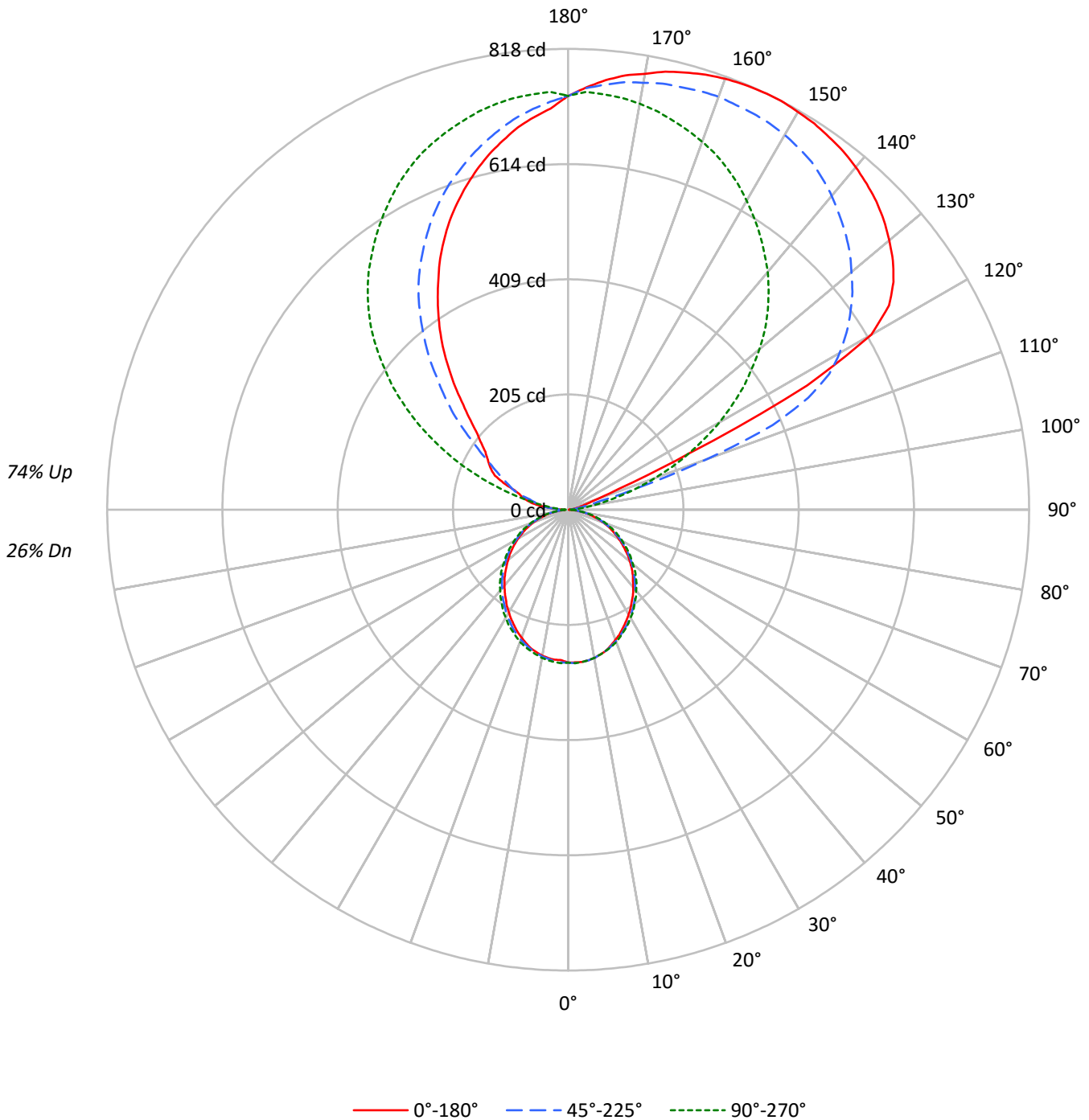
Lumens per Lamp: N/A  
Luminaire Lumens: 2801.9 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: Semi-Indirect

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



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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°	3894	3894	3894
5°	3909	3909	3851
10°	3895	3895	3836
15°	3851	3851	3790
20°	3753	3814	3690
25°	3655	3740	3592
30°	3556	3669	3490
35°	3453	3595	3381
40°	3363	3515	3288
45°	3288	3452	3205
50°	3195	3345	3104
55°	3073	3275	3040
60°	2982	3178	2945
65°	2887	3117	2842
70°	2774	3000	2719
75°	2545	2845	2545
80°	2232	2678	2232
85°	1548	2437	1778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.6	0.9
10°-20°	72.5	2.6
20°-30°	107.0	3.8
30°-40°	125.5	4.5
40°-50°	127.2	4.5
50°-60°	113.4	4.0
60°-70°	87.0	3.1
70°-80°	51.6	1.8
80°-90°	14.5	0.5
90°-100°	22.0	0.8
100°-110°	89.6	3.2
110°-120°	251.0	9.0
120°-130°	366.0	13.1
130°-140°	394.2	14.1
140°-150°	375.6	13.4
150°-160°	308.2	11.0
160°-170°	201.3	7.2
170°-180°	69.8	2.5
0°-30°	205.0	7.3
0°-40°	330.5	11.8
0°-60°	571.2	20.4
0°-90°	724.2	25.8
90°-120°	362.5	12.9
90°-150°	1498.3	53.5
90°-180°	2078.0	74.2
0°-180°	2801.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	271	271	271	271	271	
5°	271	271	271	270	267	26
15°	259	259	259	256	255	73
25°	231	235	236	232	227	106
35°	197	204	205	200	193	124
45°	162	166	170	165	158	125
55°	123	127	131	127	122	110
65°	85	88	92	88	84	84
75°	46	49	51	49	46	49
85°	9	12	15	12	11	11
90°	1	1	1	5	8	1
95°	5	7	16	30	30	6
105°	24	59	97	70	84	28
115°	238	470	236	126	143	281
125°	705	612	379	202	180	624
135°	774	695	501	328	263	597
145°	807	753	594	463	398	506
155°	818	776	668	571	524	378
165°	803	776	716	653	625	228
175°	765	757	740	714	699	74
180°	734	734	734	734	734	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3
2.5°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	272.7	272.7
5°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	270.0	271.3	271.3	271.3
7.5°	270.0	270.0	270.0	270.0	270.0	270.0	268.6	268.6	268.6	270.0	270.0
10°	267.3	267.3	267.3	265.9	265.9	267.3	265.9	265.9	267.3	267.3	267.3
12.5°	263.2	263.2	263.2	263.2	263.2	263.2	263.2	261.9	263.2	264.6	263.2
15°	259.2	259.2	259.2	259.2	259.2	259.2	259.2	257.8	259.2	260.5	259.2
17.5°	252.4	252.4	252.4	252.4	253.8	253.8	253.8	252.4	253.8	255.1	253.8
20°	245.7	245.7	245.7	247.0	247.0	247.0	247.0	247.0	247.0	248.4	248.4
22.5°	238.9	238.9	238.9	238.9	240.3	240.3	240.3	238.9	240.3	241.6	241.6
25°	230.8	230.8	230.8	230.8	232.2	232.2	232.2	232.2	233.5	234.9	234.9
27.5°	222.7	222.7	222.7	224.1	225.4	225.4	225.4	225.4	225.4	226.8	228.1
30°	214.6	214.6	214.6	216.0	216.0	217.3	217.3	217.3	217.3	218.7	220.0
32.5°	206.5	206.5	206.5	207.9	207.9	207.9	209.2	209.2	209.2	210.6	211.9
35°	197.1	198.4	198.4	198.4	199.8	199.8	199.8	199.8	201.1	202.5	203.8
37.5°	189.0	189.0	189.0	189.0	190.3	190.3	190.3	191.7	191.7	193.0	194.4
40°	179.5	179.5	179.5	180.9	180.9	180.9	182.2	182.2	183.6	184.9	184.9
42.5°	170.1	170.1	170.1	171.4	171.4	171.4	172.8	174.1	174.1	175.5	175.5
45°	162.0	160.6	162.0	162.0	162.0	162.0	163.3	163.3	164.7	166.0	166.0
47.5°	152.5	151.2	152.5	152.5	152.5	152.5	153.9	153.9	155.2	155.2	156.6
50°	143.1	141.7	143.1	143.1	143.1	143.1	144.4	144.4	145.8	145.8	147.1
52.5°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	135.0	136.3	136.3	137.7
55°	122.8	122.8	124.2	124.2	124.2	124.2	124.2	125.5	125.5	126.9	126.9
57.5°	113.4	113.4	113.4	114.7	114.7	114.7	114.7	116.1	116.1	117.4	117.4
60°	103.9	103.9	103.9	103.9	105.3	105.3	105.3	105.3	106.6	108.0	108.0
62.5°	94.5	94.5	94.5	94.5	95.8	95.8	94.5	95.8	95.8	97.2	97.2
65°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.4	86.4	87.7	87.7
67.5°	75.6	74.2	75.6	75.6	75.6	75.6	75.6	76.9	76.9	76.9	78.3
70°	66.1	64.8	64.8	64.8	66.1	66.1	66.1	67.5	66.1	67.5	67.5
72.5°	55.3	55.3	55.3	55.3	55.3	56.7	56.7	56.7	56.7	58.0	58.0
75°	45.9	45.9	45.9	45.9	45.9	45.9	47.2	47.2	47.2	48.6	48.6
77.5°	36.4	36.4	36.4	36.4	36.4	36.4	37.8	37.8	37.8	37.8	39.1
80°	27.0	27.0	27.0	27.0	27.0	27.0	28.3	28.3	28.3	28.3	29.7
82.5°	17.5	17.5	17.5	18.9	17.5	18.9	18.9	18.9	18.9	18.9	20.2
85°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	10.8	10.8	12.1
87.5°	2.7	1.3	1.3	2.7	1.3	2.7	2.7	2.7	2.7	2.7	2.7
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
95°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.7	6.7
97.5°	8.1	8.1	8.1	8.1	8.1	9.4	9.4	9.4	9.4	10.8	12.1
100°	12.1	12.1	12.1	12.1	13.5	13.5	13.5	14.8	14.8	17.5	18.9
102.5°	17.5	17.5	17.5	17.5	18.9	18.9	20.2	21.6	22.9	27.0	33.7
105°	24.3	24.3	24.3	25.6	27.0	27.0	28.3	31.0	36.4	44.5	59.4
107.5°	33.7	33.7	35.1	36.4	39.1	40.5	43.2	52.6	64.8	86.4	129.6
110°	51.3	51.3	54.0	58.0	66.1	71.5	81.0	106.6	144.4	199.8	259.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	97.2	98.5	109.3	117.4	144.4	164.7	193.0	249.7	307.8	357.7	392.8
115°	237.6	241.6	268.6	283.5	344.2	356.4	387.4	441.4	467.1	473.8	469.8
117.5°	477.9	479.2	498.1	510.3	533.2	541.3	544.0	553.5	548.1	537.3	522.4
120°	621.0	618.3	621.0	616.9	618.3	615.6	611.5	603.4	589.9	575.1	556.2
122.5°	675.0	673.6	670.9	662.8	658.8	653.4	646.6	637.2	623.7	604.8	585.9
125°	704.7	703.3	700.6	692.5	685.8	680.4	675.0	664.2	648.0	631.8	611.5
127.5°	726.3	724.9	720.9	715.5	707.4	702.0	696.6	685.8	669.6	653.4	635.8
130°	743.8	742.5	738.4	734.4	726.3	722.2	716.8	706.0	689.8	673.6	656.1
132.5°	760.0	758.7	756.0	751.9	743.8	738.4	734.4	724.9	707.4	691.2	677.7
135°	773.5	770.8	770.8	765.4	757.3	753.3	749.2	739.8	723.6	708.7	695.2
137.5°	784.3	783.0	780.3	776.2	769.5	765.4	761.4	751.9	738.4	723.6	711.4
140°	793.8	792.4	791.1	787.0	780.3	776.2	773.5	762.7	750.6	738.4	727.6
142.5°	801.9	800.5	797.8	795.1	788.4	785.7	783.0	773.5	760.0	750.6	741.1
145°	807.3	807.3	804.6	801.9	796.5	793.8	791.1	780.3	769.5	761.4	753.3
147.5°	812.7	812.7	808.6	807.3	803.2	800.5	797.8	787.0	776.2	769.5	761.4
150°	815.4	815.4	812.7	810.0	805.9	804.6	801.9	792.4	783.0	777.6	768.1
152.5°	818.1	818.1	815.4	812.7	808.6	807.3	803.2	796.5	787.0	781.6	773.5
155°	818.1	819.4	815.4	812.7	810.0	808.6	804.6	796.5	789.7	785.7	776.2
157.5°	816.7	816.7	815.4	812.7	808.6	807.3	803.2	795.1	789.7	788.4	777.6
160°	814.0	814.0	812.7	808.6	807.3	804.6	800.5	795.1	791.1	788.4	780.3
162.5°	810.0	808.6	807.3	804.6	803.2	801.9	799.2	792.4	788.4	787.0	778.9
165°	803.2	801.9	800.5	799.2	797.8	796.5	793.8	787.0	785.7	784.3	776.2
167.5°	796.5	793.8	792.4	789.7	789.7	787.0	785.7	781.6	780.3	780.3	774.9
170°	785.7	784.3	783.0	781.6	781.6	780.3	778.9	773.5	773.5	774.9	769.5
172.5°	777.6	774.9	774.9	773.5	773.5	772.2	770.8	766.8	766.8	768.1	765.4
175°	765.4	764.1	762.7	761.4	761.4	761.4	760.0	757.3	758.7	760.0	757.3
177.5°	750.6	746.5	747.9	747.9	750.6	749.2	749.2	746.5	747.9	750.6	749.2
180°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3
2.5°	270.0	270.0	268.6	270.0	270.0	270.0	271.3	271.3	272.7	272.7	272.7
5°	270.0	268.6	268.6	268.6	270.0	270.0	270.0	271.3	271.3	271.3	271.3
7.5°	267.3	267.3	267.3	267.3	267.3	268.6	268.6	268.6	270.0	270.0	268.6
10°	265.9	264.6	264.6	264.6	265.9	265.9	265.9	267.3	267.3	267.3	265.9
12.5°	261.9	261.9	260.5	261.9	261.9	261.9	261.9	263.2	263.2	263.2	263.2
15°	257.8	257.8	256.5	257.8	257.8	257.8	257.8	259.2	260.5	259.2	259.2
17.5°	252.4	252.4	252.4	252.4	252.4	253.8	253.8	255.1	255.1	255.1	253.8
20°	247.0	247.0	247.0	247.0	247.0	247.0	248.4	248.4	249.7	249.7	248.4
22.5°	240.3	240.3	240.3	240.3	241.6	241.6	241.6	243.0	243.0	243.0	241.6
25°	234.9	233.5	233.5	233.5	234.9	234.9	234.9	236.2	236.2	236.2	236.2
27.5°	226.8	226.8	225.4	226.8	226.8	228.1	228.1	229.5	229.5	229.5	228.1
30°	220.0	218.7	218.7	218.7	220.0	220.0	221.4	221.4	222.7	221.4	221.4
32.5°	211.9	211.9	210.6	211.9	211.9	211.9	213.3	213.3	214.6	214.6	213.3
35°	203.8	202.5	202.5	203.8	203.8	203.8	205.2	205.2	206.5	205.2	205.2
37.5°	195.7	194.4	194.4	194.4	194.4	195.7	197.1	197.1	197.1	197.1	197.1
40°	186.3	186.3	186.3	186.3	186.3	186.3	187.6	187.6	189.0	187.6	187.6
42.5°	178.2	176.8	176.8	176.8	176.8	178.2	178.2	179.5	179.5	179.5	178.2
45°	168.7	168.7	168.7	167.4	167.4	168.7	170.1	170.1	170.1	170.1	168.7
47.5°	159.3	157.9	159.3	159.3	157.9	159.3	160.6	160.6	160.6	160.6	159.3
50°	148.5	148.5	148.5	149.8	148.5	149.8	151.2	151.2	151.2	149.8	149.8
52.5°	137.7	139.0	140.4	140.4	139.0	140.4	140.4	140.4	140.4	140.4	140.4
55°	128.2	129.6	129.6	129.6	129.6	130.9	130.9	130.9	130.9	130.9	130.9
57.5°	118.8	118.8	120.1	120.1	120.1	120.1	120.1	121.5	120.1	120.1	120.1
60°	108.0	109.3	110.7	110.7	110.7	110.7	110.7	112.0	110.7	110.7	110.7
62.5°	98.5	98.5	99.9	101.2	99.9	101.2	101.2	101.2	101.2	101.2	101.2
65°	89.1	89.1	90.4	90.4	90.4	90.4	90.4	91.8	90.4	91.8	91.8
67.5°	78.3	79.6	79.6	81.0	81.0	81.0	81.0	82.3	82.3	81.0	81.0
70°	68.8	68.8	70.2	70.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5
72.5°	58.0	59.4	59.4	60.7	60.7	60.7	60.7	62.1	62.1	62.1	62.1
75°	48.6	49.9	49.9	51.3	49.9	51.3	51.3	51.3	52.6	51.3	52.6
77.5°	39.1	40.5	40.5	40.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8
80°	29.7	31.0	31.0	31.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4
82.5°	20.2	21.6	21.6	21.6	21.6	22.9	22.9	22.9	22.9	22.9	22.9
85°	12.1	12.1	12.1	13.5	13.5	13.5	13.5	14.8	14.8	14.8	14.8
87.5°	4.0	4.0	4.0	5.4	5.4	5.4	5.4	5.4	5.4	6.7	6.7
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°	4.0	4.0	4.0	4.0	5.4	5.4	8.1	8.1	6.7	6.7	6.7
95°	8.1	8.1	10.8	13.5	16.2	18.9	21.6	21.6	18.9	16.2	14.8
97.5°	13.5	17.5	22.9	31.0	35.1	40.5	44.5	40.5	35.1	29.7	27.0
100°	24.3	32.4	45.9	62.1	68.8	74.2	75.6	67.5	56.7	45.9	41.8
102.5°	45.9	62.1	90.4	112.0	117.4	121.5	114.7	99.9	85.0	68.8	60.7
105°	87.7	124.2	163.3	174.1	176.8	174.1	159.3	137.7	117.4	97.2	85.0
107.5°	179.5	221.4	245.7	240.3	233.5	225.4	203.8	178.2	153.9	128.2	113.4
110°	298.3	315.9	314.5	295.6	282.1	270.0	247.0	218.7	190.3	163.3	144.4





TEST NUMBER: P303192

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	396.9	387.4	368.5	341.5	326.7	311.8	287.5	259.2	228.1	199.8	179.5
115°	456.3	436.0	410.4	386.1	371.2	355.0	326.7	297.0	265.9	236.2	214.6
117.5°	498.1	475.2	450.9	423.9	409.0	394.2	367.2	333.4	302.4	272.7	249.7
120°	531.9	507.6	481.9	457.6	444.1	430.6	402.3	371.2	337.5	309.1	283.5
122.5°	562.9	538.6	515.7	490.0	475.2	463.0	433.3	403.6	373.9	344.2	317.2
125°	591.3	569.7	542.7	518.4	506.2	492.7	464.4	434.7	407.7	379.3	353.7
127.5°	616.9	595.3	571.0	544.0	531.9	519.7	490.0	463.0	438.7	410.4	386.1
130°	639.9	618.3	595.3	569.7	558.9	545.4	518.4	491.4	468.4	442.8	417.1
132.5°	661.5	639.9	616.9	592.6	580.5	568.3	545.4	518.4	496.8	473.8	448.2
135°	680.4	658.8	635.8	611.5	600.7	589.9	567.0	544.0	521.1	500.8	476.5
137.5°	696.6	676.3	653.4	630.4	621.0	610.2	588.6	567.0	546.7	526.5	503.5
140°	711.4	691.2	668.2	646.6	637.2	629.1	607.5	588.6	571.0	550.8	529.2
142.5°	724.9	703.3	681.7	661.5	653.4	645.3	626.4	608.8	592.6	572.4	553.5
145°	735.7	714.1	693.9	675.0	669.6	660.1	642.6	627.7	611.5	594.0	576.4
147.5°	746.5	726.3	706.0	688.5	683.1	675.0	660.1	645.3	630.4	614.2	598.0
150°	753.3	734.4	716.8	702.0	696.6	688.5	673.6	661.5	649.3	633.1	616.9
152.5°	758.7	741.1	724.9	712.8	708.7	702.0	688.5	679.0	665.5	652.0	637.2
155°	762.7	746.5	733.0	722.2	718.2	714.1	700.6	692.5	680.4	668.2	654.7
157.5°	765.4	750.6	738.4	730.3	726.3	722.2	710.1	703.3	693.9	683.1	669.6
160°	766.8	753.3	743.8	737.1	733.0	729.0	720.9	712.8	703.3	695.2	684.4
162.5°	766.8	756.0	746.5	741.1	738.4	735.7	727.6	720.9	714.1	706.0	696.6
165°	766.8	757.3	749.2	745.2	742.5	741.1	733.0	729.0	722.2	715.5	707.4
167.5°	764.1	756.0	750.6	747.9	745.2	743.8	738.4	733.0	729.0	724.9	716.8
170°	761.4	754.6	749.2	747.9	746.5	745.2	741.1	738.4	735.7	731.7	724.9
172.5°	757.3	751.9	747.9	746.5	746.5	745.2	742.5	741.1	739.8	737.1	731.7
175°	750.6	746.5	742.5	743.8	743.8	743.8	741.1	742.5	741.1	739.8	735.7
177.5°	742.5	739.8	738.4	739.8	739.8	739.8	739.8	741.1	742.5	742.5	738.4
180°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4



TEST NUMBER: P303192

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3
2.5°	270.0	268.6	268.6	268.6	270.0	270.0	270.0	270.0	271.3	271.3	271.3
5°	268.6	267.3	267.3	267.3	268.6	268.6	268.6	268.6	270.0	270.0	270.0
7.5°	267.3	265.9	265.9	265.9	265.9	267.3	267.3	265.9	267.3	268.6	267.3
10°	264.6	263.2	263.2	263.2	263.2	264.6	264.6	263.2	264.6	264.6	264.6
12.5°	260.5	259.2	259.2	259.2	260.5	260.5	260.5	259.2	260.5	261.9	260.5
15°	256.5	255.1	255.1	255.1	255.1	256.5	256.5	255.1	256.5	256.5	255.1
17.5°	252.4	251.1	249.7	249.7	251.1	251.1	251.1	249.7	251.1	251.1	249.7
20°	245.7	244.3	244.3	244.3	245.7	245.7	244.3	244.3	245.7	244.3	244.3
22.5°	240.3	238.9	238.9	238.9	238.9	238.9	238.9	237.6	238.9	237.6	237.6
25°	233.5	232.2	232.2	232.2	232.2	232.2	230.8	230.8	232.2	230.8	229.5
27.5°	226.8	225.4	225.4	225.4	225.4	225.4	224.1	224.1	224.1	222.7	222.7
30°	218.7	218.7	217.3	217.3	217.3	217.3	216.0	216.0	217.3	216.0	214.6
32.5°	211.9	210.6	210.6	210.6	210.6	209.2	207.9	207.9	207.9	207.9	206.5
35°	202.5	202.5	202.5	202.5	201.1	201.1	199.8	201.1	199.8	198.4	198.4
37.5°	194.4	194.4	193.0	193.0	193.0	193.0	191.7	193.0	191.7	190.3	189.0
40°	186.3	184.9	184.9	184.9	184.9	183.6	183.6	183.6	182.2	180.9	180.9
42.5°	176.8	176.8	175.5	176.8	175.5	175.5	174.1	175.5	174.1	172.8	171.4
45°	167.4	167.4	167.4	167.4	167.4	166.0	166.0	166.0	164.7	163.3	162.0
47.5°	157.9	157.9	157.9	159.3	157.9	156.6	156.6	156.6	155.2	153.9	152.5
50°	148.5	148.5	148.5	148.5	148.5	147.1	147.1	145.8	145.8	144.4	143.1
52.5°	139.0	139.0	139.0	140.4	139.0	137.7	137.7	137.7	136.3	135.0	133.6
55°	129.6	129.6	130.9	129.6	129.6	129.6	128.2	128.2	126.9	125.5	124.2
57.5°	120.1	120.1	120.1	120.1	120.1	118.8	118.8	118.8	117.4	116.1	114.7
60°	110.7	110.7	110.7	110.7	109.3	109.3	109.3	108.0	106.6	105.3	105.3
62.5°	99.9	101.2	101.2	99.9	99.9	99.9	98.5	98.5	97.2	97.2	95.8
65°	90.4	91.8	90.4	90.4	90.4	90.4	89.1	89.1	87.7	86.4	86.4
67.5°	81.0	81.0	81.0	81.0	81.0	79.6	79.6	78.3	78.3	76.9	76.9
70°	71.5	71.5	70.2	70.2	71.5	70.2	68.8	68.8	68.8	67.5	67.5
72.5°	62.1	62.1	60.7	60.7	60.7	60.7	59.4	59.4	58.0	58.0	56.7
75°	51.3	51.3	51.3	51.3	51.3	49.9	49.9	49.9	48.6	48.6	47.2
77.5°	41.8	41.8	41.8	41.8	41.8	40.5	40.5	40.5	40.5	39.1	39.1
80°	32.4	32.4	32.4	32.4	32.4	31.0	31.0	31.0	29.7	29.7	28.3
82.5°	22.9	22.9	22.9	22.9	22.9	21.6	21.6	21.6	20.2	20.2	20.2
85°	14.8	13.5	13.5	13.5	13.5	13.5	12.1	12.1	12.1	12.1	10.8
87.5°	6.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	5.4
90°	1.3	2.7	2.7	4.0	4.0	4.0	4.0	5.4	5.4	5.4	5.4
92.5°	10.8	13.5	13.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
95°	17.5	20.2	25.6	27.0	28.3	31.0	31.0	31.0	29.7	29.7	29.7
97.5°	25.6	29.7	29.7	32.4	33.7	39.1	43.2	44.5	47.2	47.2	47.2
100°	39.1	37.8	41.8	44.5	44.5	44.5	47.2	52.6	55.3	58.0	59.4
102.5°	56.7	51.3	51.3	52.6	55.3	60.7	56.7	58.0	60.7	63.4	67.5
105°	75.6	70.2	66.1	64.8	66.1	70.2	74.2	72.9	70.2	71.5	74.2
107.5°	99.9	90.4	82.3	81.0	81.0	81.0	85.0	89.1	91.8	89.1	86.4
110°	128.2	113.4	105.3	98.5	97.2	95.8	95.8	98.5	103.9	108.0	109.3



TEST NUMBER: P303192

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	159.3	141.7	128.2	121.5	117.4	112.0	110.7	110.7	113.4	118.8	122.8
115°	191.7	172.8	155.2	148.5	141.7	132.3	128.2	125.5	125.5	128.2	132.3
117.5°	225.4	205.2	186.3	175.5	170.1	156.6	147.1	141.7	140.4	140.4	143.1
120°	259.2	240.3	218.7	206.5	199.8	184.9	171.4	160.6	156.6	155.2	153.9
122.5°	292.9	272.7	252.4	240.3	232.2	214.6	201.1	184.9	178.2	171.4	170.1
125°	326.7	306.4	284.8	275.4	264.6	245.7	230.8	214.6	202.5	193.0	186.3
127.5°	361.8	338.8	317.2	310.5	298.3	279.4	263.2	247.0	233.5	220.0	210.6
130°	392.8	373.9	353.7	342.9	332.1	313.2	294.3	278.1	265.9	252.4	240.3
132.5°	423.9	405.0	386.1	379.3	368.5	346.9	329.4	310.5	297.0	283.5	272.7
135°	452.2	433.3	415.8	409.0	399.6	380.7	364.5	345.6	328.0	315.9	305.1
137.5°	479.2	461.7	444.1	437.4	429.3	411.7	396.9	380.7	364.5	352.3	336.1
140°	506.2	488.7	472.5	465.7	457.6	441.4	425.2	413.1	396.9	384.7	372.6
142.5°	531.9	514.3	498.1	491.4	486.0	469.8	454.9	444.1	430.6	417.1	406.3
145°	556.2	537.3	523.8	517.0	511.6	496.8	483.3	473.8	463.0	449.5	438.7
147.5°	577.8	560.2	546.7	542.7	537.3	525.1	511.6	500.8	492.7	480.6	469.8
150°	598.0	581.8	569.7	565.6	561.6	548.1	535.9	526.5	519.7	508.9	498.1
152.5°	619.6	603.4	592.6	588.6	583.2	572.4	561.6	550.8	545.4	537.3	526.5
155°	637.2	623.7	612.9	608.8	603.4	595.3	583.2	575.1	571.0	561.6	552.1
157.5°	654.7	641.2	631.8	627.7	623.7	615.6	604.8	596.7	594.0	585.9	577.8
160°	669.6	657.4	648.0	643.9	641.2	634.5	625.0	616.9	615.6	610.2	602.1
162.5°	683.1	670.9	664.2	660.1	657.4	653.4	643.9	635.8	634.5	630.4	623.7
165°	693.9	683.1	677.7	675.0	673.6	669.6	661.5	653.4	653.4	650.7	642.6
167.5°	706.0	695.2	689.8	688.5	687.1	683.1	677.7	670.9	670.9	668.2	661.5
170°	715.5	706.0	702.0	700.6	699.3	696.6	692.5	685.8	687.1	684.4	679.0
172.5°	722.2	715.5	712.8	710.1	710.1	708.7	706.0	700.6	702.0	700.6	695.2
175°	727.6	720.9	720.9	718.2	719.5	719.5	715.5	711.4	714.1	715.5	710.1
177.5°	731.7	726.3	726.3	726.3	727.6	727.6	726.3	722.2	724.9	727.6	722.2
180°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4



TEST NUMBER: P303192

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	271.3	271.3	271.3	271.3	271.3	271.3	271.3	271.3
2.5°	271.3	271.3	271.3	270.0	271.3	268.6	267.3	267.3
5°	268.6	268.6	268.6	268.6	268.6	268.6	267.3	267.3
7.5°	267.3	267.3	265.9	265.9	267.3	267.3	265.9	265.9
10°	263.2	263.2	263.2	263.2	264.6	263.2	263.2	263.2
12.5°	260.5	259.2	259.2	259.2	260.5	259.2	259.2	259.2
15°	255.1	255.1	255.1	255.1	256.5	255.1	255.1	255.1
17.5°	249.7	249.7	249.7	249.7	251.1	249.7	248.4	248.4
20°	244.3	243.0	243.0	243.0	243.0	243.0	241.6	241.6
22.5°	236.2	236.2	236.2	236.2	236.2	234.9	234.9	234.9
25°	229.5	228.1	228.1	229.5	228.1	228.1	226.8	226.8
27.5°	221.4	221.4	221.4	221.4	221.4	220.0	218.7	218.7
30°	214.6	213.3	213.3	213.3	213.3	211.9	210.6	210.6
32.5°	206.5	205.2	205.2	205.2	205.2	202.5	202.5	202.5
35°	197.1	197.1	197.1	197.1	195.7	194.4	194.4	193.0
37.5°	189.0	187.6	187.6	187.6	186.3	186.3	184.9	184.9
40°	179.5	179.5	179.5	179.5	178.2	176.8	175.5	175.5
42.5°	170.1	170.1	170.1	170.1	168.7	167.4	167.4	167.4
45°	162.0	160.6	160.6	160.6	159.3	159.3	157.9	157.9
47.5°	152.5	152.5	151.2	151.2	151.2	149.8	148.5	148.5
50°	143.1	143.1	143.1	141.7	140.4	140.4	140.4	139.0
52.5°	133.6	133.6	133.6	132.3	132.3	130.9	130.9	130.9
55°	124.2	124.2	124.2	122.8	122.8	121.5	121.5	121.5
57.5°	114.7	114.7	114.7	113.4	113.4	112.0	112.0	112.0
60°	105.3	105.3	103.9	103.9	103.9	102.6	102.6	102.6
62.5°	95.8	94.5	94.5	94.5	94.5	93.1	93.1	93.1
65°	86.4	85.0	85.0	85.0	85.0	83.7	83.7	83.7
67.5°	76.9	75.6	75.6	75.6	75.6	74.2	74.2	74.2
70°	66.1	66.1	66.1	66.1	66.1	64.8	64.8	64.8
72.5°	56.7	56.7	56.7	56.7	55.3	55.3	55.3	55.3
75°	47.2	47.2	47.2	47.2	45.9	45.9	45.9	45.9
77.5°	37.8	37.8	37.8	37.8	37.8	36.4	36.4	37.8
80°	28.3	28.3	28.3	28.3	28.3	27.0	27.0	27.0
82.5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	17.5
85°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	4.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4
90°	5.4	6.7	6.7	6.7	6.7	8.1	8.1	8.1
92.5°	14.8	16.2	16.2	14.8	16.2	16.2	16.2	16.2
95°	28.3	29.7	29.7	28.3	29.7	29.7	29.7	29.7
97.5°	47.2	47.2	47.2	45.9	47.2	45.9	45.9	45.9
100°	60.7	60.7	62.1	62.1	63.4	63.4	62.1	63.4
102.5°	68.8	70.2	71.5	71.5	72.9	72.9	74.2	74.2
105°	75.6	76.9	78.3	78.3	81.0	82.3	83.7	83.7
107.5°	86.4	86.4	87.7	87.7	89.1	89.1	89.1	90.4
110°	108.0	103.9	102.6	102.6	101.2	101.2	101.2	101.2



TEST NUMBER: P303192

CATALOG NUMBER: CTW-F-7525-20L940-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	125.5	125.5	126.9	126.9	126.9	125.5	122.8	124.2
115°	136.3	139.0	139.0	140.4	140.4	141.7	141.7	143.1
117.5°	144.4	147.1	148.5	149.8	152.5	153.9	153.9	153.9
120°	155.2	156.6	157.9	157.9	159.3	160.6	162.0	162.0
122.5°	168.7	167.4	168.7	168.7	168.7	170.1	170.1	170.1
125°	183.6	182.2	180.9	180.9	179.5	179.5	179.5	179.5
127.5°	203.8	199.8	198.4	197.1	194.4	194.4	193.0	194.4
130°	230.8	224.1	221.4	218.7	213.3	213.3	210.6	210.6
132.5°	261.9	253.8	249.7	247.0	240.3	237.6	234.9	234.9
135°	295.6	287.5	282.1	279.4	271.3	268.6	265.9	263.2
137.5°	328.0	319.9	315.9	314.5	306.4	303.7	298.3	297.0
140°	363.1	355.0	351.0	348.3	338.8	334.8	332.1	330.7
142.5°	396.9	387.4	383.4	382.0	375.3	371.2	367.2	365.8
145°	429.3	419.8	415.8	415.8	407.7	405.0	400.9	398.2
147.5°	461.7	452.2	448.2	448.2	441.4	436.0	433.3	430.6
150°	491.4	483.3	479.2	479.2	472.5	467.1	463.0	461.7
152.5°	518.4	511.6	508.9	508.9	503.5	498.1	495.4	494.1
155°	545.4	540.0	535.9	535.9	531.9	526.5	525.1	523.8
157.5°	572.4	567.0	562.9	564.3	558.9	554.8	552.1	552.1
160°	596.7	592.6	588.6	588.6	585.9	581.8	576.4	577.8
162.5°	621.0	615.6	612.9	612.9	611.5	606.1	600.7	602.1
165°	638.5	635.8	634.5	634.5	633.1	629.1	625.0	625.0
167.5°	657.4	654.7	653.4	653.4	652.0	649.3	645.3	646.6
170°	676.3	673.6	672.3	670.9	670.9	668.2	665.5	665.5
172.5°	693.9	691.2	689.8	689.8	691.2	688.5	684.4	684.4
175°	708.7	707.4	704.7	704.7	704.7	702.0	699.3	699.3
177.5°	722.2	720.9	720.9	719.5	720.9	716.8	712.8	712.8
180°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4

(END OF REPORT)