

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: P303218

Luminaire Tested: **CTW-F-7525-40L930-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L930-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

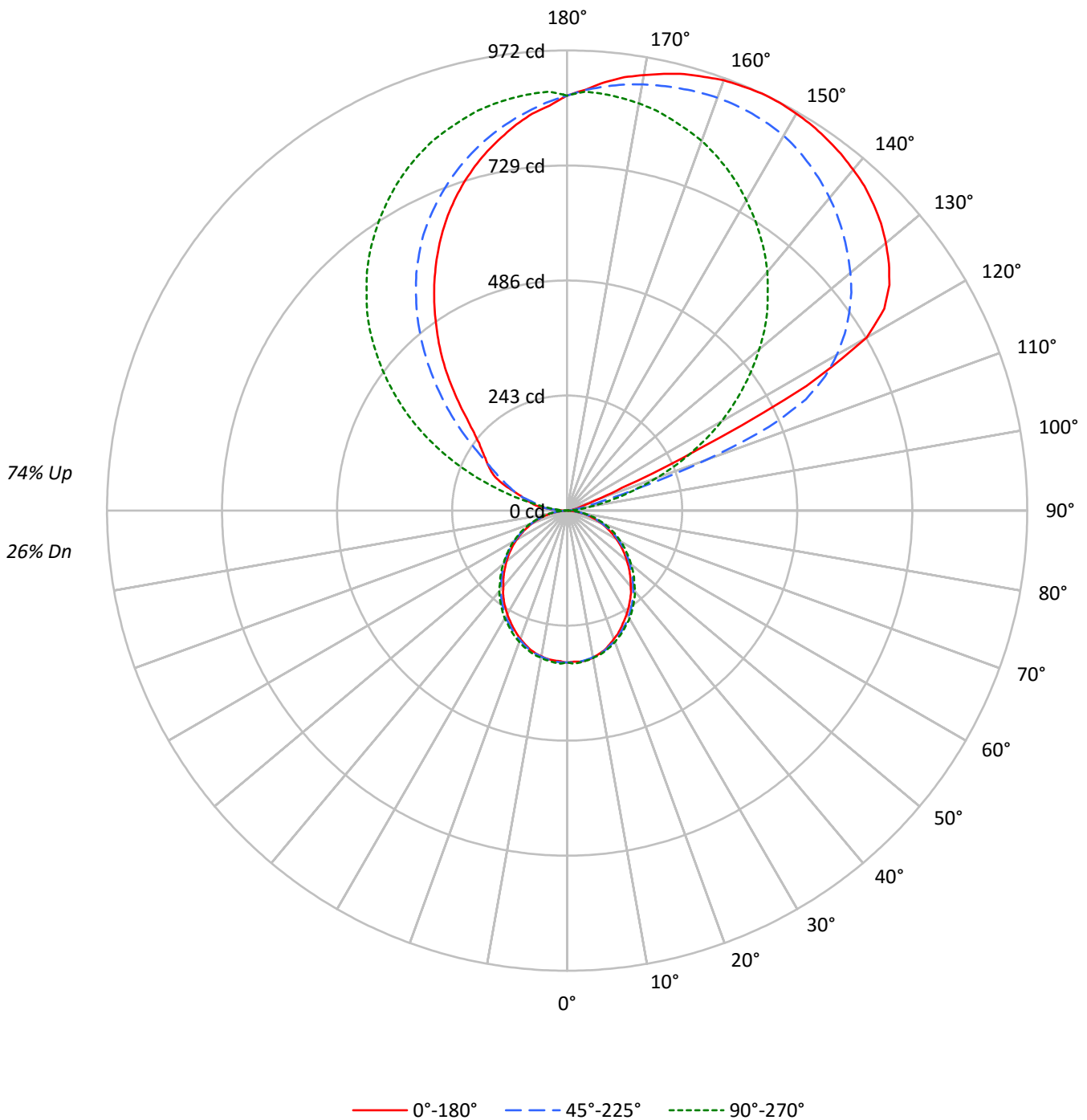
Lumens per Lamp: N/A
Luminaire Lumens: 3329.6 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 30
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	75	73	61	59	57	45	43	42	30	29	28	21
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	21	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	18	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	22	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°	6910	6910	6910
5°	6920	6956	6866
10°	6890	6910	6836
15°	6802	6858	6766
20°	6612	6765	6612
25°	6440	6658	6440
30°	6264	6555	6284
35°	6076	6405	6121
40°	5868	6264	5890
45°	5696	6077	5748
50°	5516	5905	5600
55°	5371	5742	5465
60°	5193	5623	5300
65°	4956	5507	5124
70°	4714	5338	4922
75°	4358	5115	4633
80°	3818	4748	4128
85°	2470	4323	2865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	0.9
10°-20°	85.7	2.6
20°-30°	126.6	3.8
30°-40°	148.5	4.5
40°-50°	149.5	4.5
50°-60°	133.3	4.0
60°-70°	102.2	3.1
70°-80°	60.8	1.8
80°-90°	16.8	0.5
90°-100°	24.5	0.7
100°-110°	104.7	3.1
110°-120°	298.7	9.0
120°-130°	436.7	13.1
130°-140°	471.2	14.2
140°-150°	448.4	13.5
150°-160°	368.0	11.1
160°-170°	240.3	7.2
170°-180°	83.3	2.5
0°-30°	242.6	7.3
0°-40°	391.2	11.7
0°-60°	674.1	20.2
0°-90°	853.9	25.6
90°-120°	427.9	12.9
90°-150°	1784.3	53.6
90°-180°	2476.0	74.4
0°-180°	3329.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	321	321	321	321	321	
5°	320	320	322	319	318	30
15°	305	306	308	304	304	86
25°	271	277	280	276	271	125
35°	231	240	244	240	233	145
45°	187	195	200	196	189	144
55°	143	149	153	151	146	128
65°	97	102	108	104	101	97
75°	52	56	62	58	56	56
85°	10	12	18	14	12	13
90°	1	1	1	4	8	1
95°	6	8	18	35	32	7
105°	27	75	118	82	92	34
115°	303	556	289	150	168	341
125°	831	727	455	250	219	736
135°	915	825	598	403	324	707
145°	957	892	710	556	483	600
155°	972	925	798	684	633	449
165°	955	923	855	781	753	271
175°	908	899	883	851	842	87
180°	877	877	877	877	877	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0
2.5°	319.4	318.6	320.2	321.0	321.0	321.9	321.9	321.9	321.9	322.7	321.0
5°	320.2	320.2	320.2	320.2	319.4	320.2	320.2	321.0	321.0	321.9	320.2
7.5°	319.4	318.6	318.6	318.6	317.7	317.7	318.6	318.6	317.7	319.4	317.7
10°	315.2	315.2	314.4	314.4	314.4	314.4	314.4	315.2	315.2	316.1	314.4
12.5°	310.2	310.2	310.2	310.2	309.4	309.4	310.2	311.1	311.1	311.9	311.1
15°	305.2	304.4	305.2	306.1	305.2	305.2	305.2	306.1	306.1	306.9	306.1
17.5°	296.9	296.9	297.8	298.6	298.6	297.8	298.6	299.4	299.4	300.3	299.4
20°	288.6	288.6	289.4	290.3	290.3	290.3	291.1	291.1	291.9	291.9	292.8
22.5°	281.1	280.3	281.1	282.0	282.0	281.1	282.8	282.8	283.6	284.5	285.3
25°	271.1	270.3	272.0	272.8	272.8	272.8	273.6	274.5	275.3	276.1	277.0
27.5°	261.2	261.2	262.0	262.8	263.7	263.7	264.5	266.2	266.2	267.0	268.6
30°	252.0	252.0	252.8	253.7	254.5	254.5	254.5	256.2	257.8	257.8	259.5
32.5°	242.0	241.2	242.0	243.7	243.7	243.7	244.5	246.2	247.0	247.9	249.5
35°	231.2	231.2	232.1	232.9	233.7	233.7	234.5	236.2	237.0	237.9	239.5
37.5°	221.2	220.4	221.2	222.1	222.9	222.9	223.7	225.4	226.2	227.1	228.7
40°	208.8	207.9	208.8	209.6	210.4	210.4	211.3	213.8	214.6	215.4	217.1
42.5°	198.0	197.1	198.0	198.8	199.6	200.4	200.4	201.3	202.9	203.8	205.4
45°	187.1	186.3	186.3	188.0	188.8	188.8	189.6	190.5	192.1	193.0	194.6
47.5°	176.3	175.5	176.3	177.2	177.2	178.0	178.8	178.8	180.5	182.1	183.0
50°	164.7	164.7	164.7	165.5	166.3	167.2	167.2	168.0	168.8	170.5	172.2
52.5°	153.9	153.0	153.9	154.7	155.5	155.5	156.4	156.4	157.2	159.7	160.5
55°	143.1	142.2	142.2	143.1	143.1	143.9	144.7	144.7	145.6	147.2	148.9
57.5°	131.4	131.4	131.4	132.2	132.2	132.2	133.9	133.9	134.7	136.4	137.2
60°	120.6	120.6	119.8	120.6	120.6	121.4	122.3	122.3	123.1	123.9	125.6
62.5°	109.0	109.0	108.1	109.0	109.8	109.8	110.6	110.6	111.5	113.1	113.9
65°	97.3	98.1	97.3	97.3	98.1	98.1	99.0	99.0	99.8	100.6	102.3
67.5°	86.5	86.5	85.7	86.5	86.5	87.3	87.3	88.2	88.2	89.0	89.8
70°	74.9	74.9	74.9	74.9	75.7	75.7	76.5	76.5	76.5	77.4	78.2
72.5°	64.0	64.0	63.2	63.2	64.0	64.9	64.9	65.7	65.7	67.4	67.4
75°	52.4	52.4	52.4	52.4	53.2	53.2	53.2	54.1	54.9	54.9	55.7
77.5°	41.6	40.8	41.6	41.6	41.6	41.6	42.4	43.3	43.3	44.1	44.9
80°	30.8	29.9	30.8	30.8	30.8	30.8	31.6	31.6	32.4	33.3	33.3
82.5°	20.0	19.1	20.0	20.0	20.0	20.0	20.8	20.8	21.6	22.5	22.5
85°	10.0	9.1	10.0	10.0	10.0	10.0	10.0	10.8	11.6	11.6	12.5
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	3.3
90°	0.8	1.7	1.7	1.7	0.8	1.7	0.8	1.7	0.8	0.8	0.8
92.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.7	6.7	6.7	7.5
97.5°	10.0	9.1	9.1	10.0	10.0	10.0	10.0	10.8	11.6	12.5	14.1
100°	14.1	14.1	14.1	15.0	15.0	15.8	15.8	16.6	18.3	20.0	23.3
102.5°	20.8	20.8	20.8	21.6	21.6	22.5	23.3	25.0	27.4	31.6	39.1
105°	27.4	28.3	29.1	29.9	31.6	33.3	34.1	37.4	43.3	54.1	74.9
107.5°	40.8	40.8	42.4	44.1	47.4	50.7	53.2	63.2	77.4	107.3	157.2
110°	64.0	63.2	65.7	73.2	82.3	91.5	96.5	130.6	169.7	235.4	311.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	125.6	123.9	132.2	149.7	183.0	211.3	223.7	289.4	360.1	421.7	461.6
115°	302.8	298.6	316.1	351.0	409.2	443.3	454.1	508.2	544.0	554.8	556.4
117.5°	569.7	564.7	576.4	595.5	626.3	637.9	635.4	644.6	640.4	630.5	614.6
120°	730.3	726.1	726.1	725.3	726.9	723.6	719.4	710.3	694.5	678.7	657.9
122.5°	794.3	792.6	788.5	781.0	776.0	771.8	763.5	750.2	734.4	717.0	695.3
125°	830.9	828.4	824.2	817.6	808.4	805.1	796.0	781.8	766.0	748.6	726.9
127.5°	856.7	854.2	850.0	845.0	835.1	831.7	823.4	808.4	793.5	776.8	756.9
130°	879.1	876.6	872.5	868.3	860.0	854.2	846.7	832.6	818.4	801.8	781.0
132.5°	899.1	895.8	891.6	888.3	880.8	876.6	868.3	855.0	840.9	825.1	803.5
135°	914.9	913.2	908.3	904.9	897.4	892.4	885.8	873.3	860.0	844.2	825.1
137.5°	929.9	925.7	923.2	919.1	911.6	906.6	900.8	889.1	876.6	862.5	845.0
140°	939.9	937.4	934.0	931.5	924.1	918.2	913.2	904.1	891.6	878.3	862.5
142.5°	949.8	947.3	944.8	940.7	934.0	929.9	924.9	916.6	906.6	893.3	878.3
145°	957.3	954.8	952.3	949.8	943.2	939.0	934.9	928.2	918.2	905.8	892.4
147.5°	964.0	962.3	959.8	957.3	951.5	948.2	944.8	938.2	928.2	915.7	904.9
150°	968.1	966.5	964.0	963.1	956.5	953.2	950.7	944.8	935.7	923.2	914.9
152.5°	971.5	969.8	967.3	966.5	959.8	957.3	954.8	949.0	939.9	928.2	920.7
155°	972.3	970.6	968.1	966.5	959.8	957.3	955.7	949.8	942.4	932.4	924.9
157.5°	969.8	969.0	967.3	964.0	958.2	955.7	954.8	949.0	943.2	934.9	927.4
160°	967.3	965.6	964.8	962.3	957.3	955.7	954.8	949.8	944.0	936.5	928.2
162.5°	960.6	960.6	959.8	958.2	954.0	952.3	951.5	947.3	941.5	935.7	926.5
165°	954.8	954.0	952.3	950.7	947.3	946.5	944.8	942.4	936.5	932.4	923.2
167.5°	944.8	944.0	942.4	939.9	937.4	937.4	936.5	934.9	929.9	928.2	919.1
170°	934.0	932.4	932.4	930.7	928.2	928.2	928.2	926.5	922.4	921.6	914.1
172.5°	923.2	921.6	920.7	919.9	916.6	917.4	917.4	915.7	913.2	914.9	907.4
175°	908.3	907.4	905.8	905.8	904.1	904.9	906.6	905.8	903.3	905.8	899.1
177.5°	890.0	889.1	890.0	892.4	890.8	893.3	893.3	894.1	893.3	895.8	889.1
180°	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0
2.5°	319.4	320.2	319.4	320.2	320.2	319.4	320.2	321.0	322.7	323.5	322.7
5°	318.6	318.6	318.6	318.6	318.6	318.6	318.6	319.4	321.0	321.9	321.0
7.5°	316.1	316.9	316.1	316.9	316.9	316.1	316.1	317.7	318.6	319.4	318.6
10°	313.6	313.6	312.7	313.6	313.6	313.6	313.6	314.4	315.2	316.1	315.2
12.5°	309.4	309.4	308.6	309.4	309.4	309.4	309.4	310.2	311.9	312.7	311.9
15°	304.4	304.4	304.4	304.4	305.2	304.4	304.4	306.1	306.9	307.7	306.9
17.5°	297.8	298.6	297.8	298.6	298.6	298.6	298.6	300.3	301.1	301.9	301.1
20°	290.3	291.1	291.1	291.1	291.9	291.9	291.9	292.8	294.4	295.3	294.4
22.5°	283.6	284.5	284.5	284.5	284.5	284.5	285.3	286.1	287.8	287.8	287.8
25°	275.3	275.3	276.1	277.0	277.0	277.0	277.8	278.6	279.5	280.3	279.5
27.5°	267.0	267.0	267.0	268.6	268.6	268.6	268.6	269.5	271.1	271.1	271.1
30°	258.7	257.8	258.7	259.5	260.3	260.3	260.3	261.2	262.8	263.7	262.8
32.5°	249.5	248.7	249.5	250.4	250.4	251.2	251.2	252.0	253.7	253.7	253.7
35°	239.5	238.7	239.5	240.4	240.4	241.2	242.0	242.0	243.7	243.7	243.7
37.5°	229.6	228.7	229.6	230.4	230.4	231.2	231.2	232.1	233.7	233.7	233.7
40°	218.7	217.9	217.9	219.6	219.6	219.6	221.2	221.2	222.9	222.9	222.9
42.5°	207.1	206.3	207.1	207.9	207.9	207.9	208.8	209.6	210.4	210.4	210.4
45°	195.5	195.5	196.3	197.1	197.1	197.1	198.0	198.8	199.6	199.6	199.6
47.5°	184.6	184.6	185.5	186.3	186.3	186.3	187.1	187.1	188.8	188.0	188.0
50°	173.0	173.8	174.7	175.5	175.5	175.5	176.3	176.3	177.2	176.3	177.2
52.5°	161.4	162.2	163.0	163.9	163.9	163.9	164.7	164.7	165.5	164.7	165.5
55°	149.7	149.7	151.4	152.2	152.2	152.2	153.0	153.0	153.9	153.0	153.9
57.5°	138.9	138.9	139.7	140.6	140.6	140.6	141.4	142.2	142.2	142.2	142.2
60°	126.4	127.3	128.1	128.9	129.8	129.8	129.8	130.6	130.6	130.6	130.6
62.5°	114.8	115.6	116.4	117.3	118.1	117.3	118.1	118.9	118.9	118.9	118.9
65°	103.1	104.0	104.8	105.6	106.5	105.6	106.5	107.3	107.3	108.1	107.3
67.5°	91.5	91.5	93.2	94.0	94.0	94.0	94.8	95.6	95.6	96.5	96.5
70°	79.8	79.8	81.5	82.3	82.3	82.3	83.2	84.0	84.8	84.8	84.8
72.5°	68.2	69.0	69.9	70.7	71.5	70.7	71.5	72.4	73.2	73.2	73.2
75°	56.6	57.4	58.2	59.1	59.9	59.1	59.9	60.7	60.7	61.5	61.5
77.5°	44.9	45.7	46.6	47.4	48.2	48.2	48.2	49.1	49.9	50.7	49.9
80°	34.1	34.9	35.8	36.6	37.4	36.6	37.4	37.4	38.3	38.3	38.3
82.5°	23.3	25.0	25.0	25.8	25.8	25.8	26.6	26.6	27.4	28.3	27.4
85°	13.3	14.1	15.0	15.8	15.8	15.8	15.8	16.6	16.6	17.5	17.5
87.5°	4.2	4.2	5.0	5.8	5.8	5.8	6.7	6.7	7.5	7.5	7.5
90°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
92.5°	3.3	3.3	4.2	5.0	5.8	6.7	8.3	8.3	7.5	6.7	7.5
95°	8.3	10.0	12.5	15.8	19.1	20.8	25.0	24.1	20.8	17.5	16.6
97.5°	16.6	20.8	26.6	35.8	42.4	46.6	51.6	47.4	39.9	34.1	30.8
100°	29.9	39.1	52.4	71.5	81.5	85.7	87.3	78.2	66.5	55.7	49.1
102.5°	54.1	75.7	102.3	128.9	138.9	138.9	133.9	117.3	99.8	84.0	71.5
105°	107.3	143.9	184.6	204.6	208.8	202.9	186.3	163.9	138.9	118.1	100.6
107.5°	217.1	265.3	283.6	282.8	278.6	264.5	242.0	213.8	182.1	156.4	134.7
110°	359.3	373.4	370.1	351.0	340.2	324.4	293.6	265.3	227.9	200.4	173.0



TEST NUMBER: P303218

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	470.8	456.6	435.8	406.7	393.4	376.8	345.2	314.4	274.5	245.4	215.4
115°	542.3	515.7	488.2	456.6	442.5	425.0	393.4	359.3	319.4	289.4	258.7
117.5°	593.9	562.3	533.1	501.5	488.2	470.8	438.3	402.6	362.6	333.5	302.8
120°	631.3	603.8	573.9	543.1	530.6	513.2	479.1	445.0	407.5	375.9	345.2
122.5°	668.7	639.6	611.3	582.2	569.7	552.3	516.5	483.2	446.6	415.9	385.9
125°	701.1	672.9	646.3	618.8	605.5	586.4	553.1	519.8	484.9	455.0	426.7
127.5°	731.1	705.3	677.9	651.2	637.9	618.0	586.4	553.9	522.3	493.2	464.9
130°	757.7	735.3	708.6	682.0	667.0	648.8	618.8	587.2	557.3	529.8	502.4
132.5°	782.7	761.0	736.1	707.8	692.8	677.0	647.9	619.6	591.4	565.6	539.0
135°	806.8	783.5	758.5	731.1	717.8	703.6	675.4	647.1	623.0	598.0	573.1
137.5°	828.4	802.6	778.5	752.7	740.2	726.9	700.3	674.5	652.1	627.1	603.8
140°	845.9	820.1	797.6	771.8	761.0	749.4	723.6	699.5	679.5	657.9	634.6
142.5°	860.0	835.1	814.3	791.0	781.0	769.4	745.2	724.4	706.1	685.3	662.9
145°	871.7	849.2	829.2	807.6	798.5	788.5	766.0	747.7	729.4	710.3	689.5
147.5°	883.3	861.7	844.2	824.2	815.9	806.8	785.2	769.4	752.7	734.4	715.3
150°	892.4	873.3	855.9	838.4	830.1	821.8	802.6	786.8	773.5	756.9	739.4
152.5°	899.1	883.3	867.5	851.7	843.4	835.9	820.1	805.9	794.3	778.5	761.9
155°	904.1	890.8	876.6	863.3	855.9	849.2	834.2	822.6	810.9	797.6	781.8
157.5°	908.3	896.6	884.1	870.8	865.8	859.2	845.9	836.7	826.7	815.1	801.0
160°	910.7	901.6	889.1	879.1	874.1	869.2	856.7	848.4	840.9	830.9	817.6
162.5°	911.6	903.3	893.3	885.0	880.8	875.8	865.0	859.2	851.7	843.4	830.9
165°	910.7	904.9	895.8	889.1	885.8	880.8	872.5	867.5	862.5	855.0	844.2
167.5°	909.1	903.3	897.4	891.6	888.3	885.0	878.3	875.0	870.8	865.8	856.7
170°	905.8	902.4	896.6	893.3	890.8	887.5	881.6	880.0	878.3	873.3	865.8
172.5°	900.8	898.3	894.1	891.6	890.0	887.5	883.3	883.3	882.5	879.1	872.5
175°	893.3	892.4	889.1	888.3	887.5	885.0	883.3	884.1	885.0	883.3	878.3
177.5°	885.0	885.8	883.3	884.1	883.3	881.6	881.6	884.1	885.8	885.8	882.5
180°	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6



TEST NUMBER: P303218

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0
2.5°	321.9	320.2	319.4	320.2	319.4	318.6	318.6	319.4	321.0	322.7	321.0
5°	320.2	318.6	318.6	318.6	318.6	317.7	317.7	317.7	319.4	321.9	319.4
7.5°	317.7	316.1	316.1	316.1	316.1	315.2	315.2	315.2	316.9	318.6	316.9
10°	314.4	313.6	312.7	312.7	312.7	311.9	311.1	311.9	313.6	315.2	312.7
12.5°	310.2	309.4	308.6	308.6	308.6	307.7	307.7	307.7	309.4	310.2	308.6
15°	305.2	304.4	303.6	304.4	303.6	302.8	302.8	302.8	304.4	305.2	303.6
17.5°	299.4	298.6	297.8	297.8	297.8	296.1	296.1	296.1	298.6	298.6	296.9
20°	292.8	291.1	291.1	291.1	290.3	289.4	289.4	289.4	291.1	291.1	289.4
22.5°	286.1	285.3	283.6	283.6	283.6	282.8	282.0	282.0	284.5	282.8	282.0
25°	278.6	277.0	276.1	276.1	275.3	274.5	273.6	273.6	276.1	274.5	272.8
27.5°	269.5	268.6	267.8	267.8	267.0	265.3	265.3	265.3	267.8	265.3	264.5
30°	261.2	260.3	259.5	259.5	258.7	257.0	257.0	257.8	259.5	257.0	256.2
32.5°	252.0	251.2	249.5	249.5	248.7	247.9	247.9	248.7	249.5	247.0	246.2
35°	242.0	241.2	240.4	240.4	239.5	238.7	238.7	239.5	239.5	237.0	236.2
37.5°	232.1	231.2	230.4	229.6	228.7	228.7	228.7	229.6	228.7	227.1	225.4
40°	222.1	221.2	219.6	219.6	218.7	217.9	217.9	219.6	217.9	216.3	213.8
42.5°	209.6	208.8	207.1	207.1	206.3	206.3	207.1	207.9	206.3	204.6	202.9
45°	198.8	198.0	197.1	197.1	196.3	196.3	196.3	196.3	195.5	194.6	193.0
47.5°	188.0	187.1	186.3	186.3	186.3	185.5	185.5	185.5	184.6	183.0	182.1
50°	177.2	176.3	175.5	175.5	174.7	173.8	174.7	173.8	173.8	172.2	170.5
52.5°	165.5	164.7	164.7	163.9	164.7	163.9	163.0	163.0	162.2	160.5	159.7
55°	153.9	153.9	153.0	153.0	153.0	152.2	152.2	151.4	151.4	149.7	148.0
57.5°	143.1	142.2	142.2	142.2	142.2	140.6	140.6	139.7	139.7	138.1	137.2
60°	131.4	130.6	130.6	130.6	130.6	129.8	128.9	128.9	127.3	126.4	125.6
62.5°	119.8	118.9	118.9	118.9	118.9	118.1	117.3	117.3	115.6	114.8	113.9
65°	108.1	107.3	107.3	107.3	107.3	106.5	105.6	105.6	104.0	103.1	103.1
67.5°	96.5	95.6	95.6	95.6	95.6	94.8	94.0	94.0	92.3	92.3	91.5
70°	84.8	84.8	84.8	84.0	84.0	83.2	82.3	82.3	80.7	80.7	79.8
72.5°	73.2	73.2	72.4	71.5	72.4	72.4	70.7	70.7	69.9	69.9	69.0
75°	61.5	61.5	60.7	60.7	60.7	59.9	59.1	59.1	58.2	58.2	57.4
77.5°	49.9	49.9	49.1	49.1	49.9	49.1	48.2	48.2	47.4	47.4	46.6
80°	38.3	39.1	38.3	39.1	38.3	38.3	37.4	36.6	36.6	36.6	35.8
82.5°	27.4	28.3	27.4	28.3	27.4	27.4	26.6	25.8	25.0	25.0	24.1
85°	17.5	17.5	16.6	17.5	16.6	16.6	15.8	15.0	14.1	14.1	14.1
87.5°	7.5	7.5	6.7	7.5	6.7	6.7	5.8	5.8	5.0	5.0	5.0
90°	1.7	2.5	3.3	3.3	3.3	3.3	4.2	4.2	4.2	4.2	5.0
92.5°	10.8	14.1	15.8	15.8	15.0	15.8	16.6	15.8	15.8	15.0	15.0
95°	19.1	21.6	25.8	28.3	30.8	34.1	35.8	34.9	34.9	33.3	33.3
97.5°	29.1	32.4	35.8	34.9	35.8	40.8	44.9	49.1	51.6	53.2	54.1
100°	45.7	44.1	46.6	49.1	49.9	49.1	50.7	54.9	59.1	60.7	64.0
102.5°	65.7	60.7	59.1	59.9	61.5	67.4	64.9	65.7	66.5	68.2	72.4
105°	89.8	81.5	77.4	76.5	75.7	78.2	84.0	85.7	82.3	81.5	83.2
107.5°	118.9	106.5	99.8	96.5	94.8	94.8	96.5	101.5	105.6	104.0	102.3
110°	153.9	135.6	125.6	119.8	115.6	113.1	113.9	115.6	119.8	123.9	127.3



TEST NUMBER: P303218

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	192.1	169.7	153.9	147.2	141.4	133.9	132.2	132.2	133.9	138.1	142.2
115°	234.5	207.1	187.1	178.0	171.3	158.9	153.0	149.7	150.5	151.4	154.7
117.5°	277.0	248.7	225.4	213.8	204.6	188.8	177.2	171.3	168.8	168.0	169.7
120°	317.7	291.1	266.2	253.7	242.0	222.9	207.1	194.6	189.6	185.5	184.6
122.5°	357.6	331.9	306.1	292.8	281.1	260.3	244.5	227.9	216.3	207.1	202.1
125°	400.1	371.8	346.0	334.4	321.9	299.4	279.5	264.5	249.5	237.0	227.9
127.5°	437.5	411.7	385.9	374.3	363.5	339.3	318.6	301.9	286.1	270.3	257.0
130°	475.8	450.8	425.8	413.4	401.7	380.1	358.5	340.2	324.4	308.6	293.6
132.5°	512.3	488.2	464.1	451.6	441.6	420.0	397.6	380.1	362.6	347.7	332.7
135°	547.3	522.3	500.7	488.2	476.6	457.5	436.7	420.9	402.6	386.8	372.6
137.5°	580.5	555.6	535.6	524.0	514.8	495.7	476.6	459.9	442.5	426.7	411.7
140°	611.3	588.0	566.4	557.3	546.4	529.8	512.3	498.2	481.6	464.9	451.6
142.5°	641.3	618.8	600.5	588.9	580.5	563.1	546.4	534.8	520.7	503.2	490.7
145°	667.9	647.1	630.5	620.5	609.7	593.9	578.9	568.1	556.4	540.6	528.1
147.5°	695.3	675.4	657.9	650.4	640.4	625.5	612.2	601.3	593.0	577.2	565.6
150°	721.1	702.0	684.5	677.0	668.7	654.6	642.1	632.9	625.5	611.3	600.5
152.5°	745.2	726.1	711.1	703.6	695.3	682.9	670.4	661.2	657.1	642.9	632.1
155°	766.0	748.6	735.3	729.4	721.1	707.8	697.0	688.7	684.5	672.9	663.7
157.5°	786.0	768.5	756.9	751.9	744.4	731.9	722.8	713.6	711.1	702.0	692.0
160°	803.5	788.5	778.5	773.5	766.9	754.4	746.1	738.6	736.1	729.4	720.3
162.5°	819.3	805.9	797.6	791.8	786.0	776.8	767.7	761.0	759.4	755.2	745.2
165°	834.2	821.8	813.4	809.3	805.1	796.0	787.6	782.7	781.0	778.5	768.5
167.5°	847.5	835.9	828.4	825.9	820.9	813.4	806.8	801.8	801.0	800.1	791.0
170°	857.5	847.5	842.5	838.4	835.9	829.2	823.4	819.3	819.3	820.1	810.9
172.5°	866.7	858.3	853.4	850.9	848.4	842.5	838.4	834.2	835.9	837.6	830.1
175°	873.3	866.7	862.5	860.8	859.2	854.2	850.9	849.2	850.9	854.2	846.7
177.5°	878.3	873.3	870.8	870.0	868.3	865.0	863.3	861.7	865.0	869.2	862.5
180°	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6



TEST NUMBER: P303218

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0
2.5°	321.9	321.9	321.0	321.0	320.2	319.4	318.6	318.6
5°	320.2	319.4	319.4	319.4	318.6	318.6	317.7	317.7
7.5°	316.9	316.9	316.9	316.1	316.9	316.1	316.1	316.1
10°	313.6	312.7	312.7	312.7	312.7	311.9	311.9	312.7
12.5°	309.4	308.6	307.7	307.7	307.7	307.7	307.7	308.6
15°	303.6	303.6	303.6	302.8	302.8	302.8	302.8	303.6
17.5°	296.9	296.1	296.1	296.1	296.1	296.1	296.1	296.1
20°	289.4	288.6	288.6	287.8	287.8	287.8	287.8	288.6
22.5°	282.0	280.3	280.3	279.5	280.3	280.3	279.5	280.3
25°	272.8	272.0	272.0	271.1	271.1	270.3	270.3	271.1
27.5°	264.5	263.7	262.8	262.8	262.0	261.2	261.2	262.0
30°	255.3	254.5	253.7	252.8	252.8	252.0	252.0	252.8
32.5°	245.4	244.5	243.7	243.7	242.9	242.0	242.0	242.9
35°	235.4	234.5	233.7	233.7	232.9	232.1	232.1	232.9
37.5°	225.4	223.7	223.7	223.7	222.9	222.1	221.2	222.1
40°	212.9	212.1	211.3	210.4	210.4	209.6	209.6	209.6
42.5°	202.1	201.3	201.3	200.4	199.6	198.8	198.8	199.6
45°	191.3	191.3	190.5	189.6	188.8	188.8	188.8	188.8
47.5°	180.5	179.7	179.7	179.7	178.0	178.0	177.2	178.0
50°	169.7	168.8	168.8	168.8	167.2	167.2	167.2	167.2
52.5°	158.9	158.0	158.0	157.2	157.2	156.4	155.5	156.4
55°	147.2	147.2	146.4	146.4	145.6	144.7	144.7	145.6
57.5°	136.4	135.6	135.6	135.6	134.7	133.9	133.9	134.7
60°	124.8	124.8	124.8	123.9	123.1	123.1	123.1	123.1
62.5°	113.9	113.1	113.1	113.1	113.1	112.3	111.5	111.5
65°	102.3	101.5	101.5	101.5	100.6	101.5	100.6	100.6
67.5°	90.7	90.7	90.7	89.8	89.8	89.8	89.0	89.0
70°	79.8	79.0	79.8	79.0	79.0	79.0	78.2	78.2
72.5°	69.0	68.2	68.2	67.4	68.2	67.4	67.4	66.5
75°	57.4	57.4	56.6	56.6	56.6	56.6	55.7	55.7
77.5°	46.6	46.6	45.7	45.7	45.7	44.9	44.9	44.1
80°	34.9	34.9	34.9	34.1	34.1	34.1	34.1	33.3
82.5°	24.1	24.1	24.1	23.3	23.3	22.5	22.5	21.6
85°	13.3	13.3	13.3	12.5	12.5	12.5	12.5	11.6
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
90°	5.0	5.8	5.0	5.8	6.7	6.7	6.7	7.5
92.5°	15.0	15.0	15.0	15.8	15.8	15.0	15.0	15.0
95°	33.3	33.3	33.3	33.3	33.3	32.4	32.4	32.4
97.5°	54.9	54.9	54.9	55.7	54.9	53.2	53.2	53.2
100°	65.7	67.4	68.2	69.0	69.9	70.7	70.7	70.7
102.5°	75.7	76.5	77.4	78.2	79.0	79.0	79.0	79.0
105°	84.8	85.7	85.7	86.5	89.0	90.7	91.5	91.5
107.5°	101.5	101.5	101.5	102.3	102.3	102.3	102.3	102.3
110°	128.9	124.8	123.9	120.6	121.4	120.6	120.6	120.6



TEST NUMBER: P303218

CATALOG NUMBER: CTW-F-7525-40L930-UNV-STD-4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	146.4	148.9	149.7	150.5	150.5	149.7	148.0	147.2
115°	159.7	162.2	163.9	163.9	166.3	168.0	168.0	168.0
117.5°	172.2	174.7	175.5	177.2	178.8	180.5	181.3	181.3
120°	185.5	188.0	188.0	189.6	190.5	192.1	193.0	193.0
122.5°	200.4	202.1	202.1	202.1	203.8	203.8	204.6	204.6
125°	222.9	221.2	220.4	219.6	219.6	218.7	219.6	218.7
127.5°	248.7	244.5	242.0	239.5	237.9	235.4	235.4	234.5
130°	280.3	275.3	269.5	267.0	262.8	260.3	258.7	257.0
132.5°	318.6	311.9	306.1	301.9	296.1	291.1	288.6	286.9
135°	360.1	349.3	342.7	340.2	333.5	327.7	326.0	324.4
137.5°	399.2	389.3	383.4	380.9	374.3	368.5	366.0	364.3
140°	437.5	427.5	420.9	420.0	413.4	408.4	406.7	405.1
142.5°	476.6	468.3	460.8	458.3	452.5	449.1	445.8	445.0
145°	514.8	505.7	499.0	497.4	491.6	487.4	484.9	483.2
147.5°	553.1	544.8	538.1	536.5	530.6	527.3	524.0	522.3
150°	589.7	579.7	575.6	573.9	568.1	565.6	562.3	560.6
152.5°	623.8	614.6	611.3	608.8	604.7	599.7	598.8	597.2
155°	654.6	646.3	643.8	641.3	637.1	634.6	633.8	632.9
157.5°	685.3	677.9	674.5	672.0	668.7	666.2	665.4	666.2
160°	715.3	707.8	705.3	703.6	698.7	697.0	697.0	697.0
162.5°	741.9	736.1	733.6	731.9	729.4	726.9	725.3	726.1
165°	766.0	761.0	759.4	756.9	754.4	753.5	752.7	752.7
167.5°	788.5	783.5	781.8	779.3	778.5	776.8	776.0	777.7
170°	810.1	805.1	804.3	801.8	800.1	799.3	797.6	800.1
172.5°	829.2	825.9	824.2	822.6	822.6	821.8	820.9	822.6
175°	846.7	844.2	842.5	840.0	840.9	840.0	840.0	841.7
177.5°	863.3	861.7	860.0	859.2	858.3	856.7	855.0	855.9
180°	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6

(END OF REPORT)