

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: P303157

Luminaire Tested: **CTW-F-5050-40L935-UNV-STD-6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-5050-40L935-UNV-STD-6  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
50% UPLIGHT, 50% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

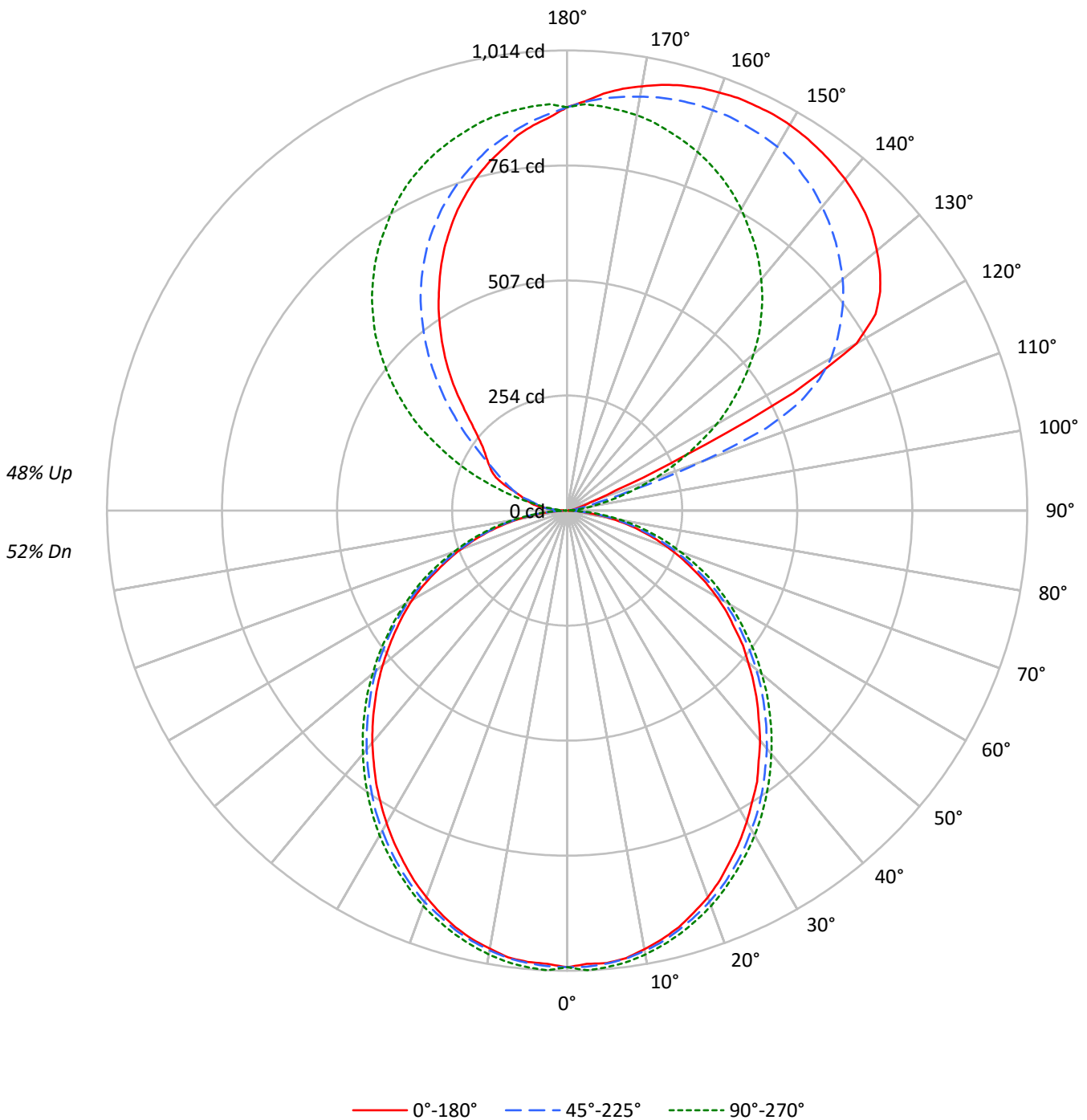
Lumens per Lamp: N/A  
Luminaire Lumens: 5200.6 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 46.3  
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	50	30	10	0	
RCR																						
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52				
1	98	94	90	86	90	87	83	80	74	71	69	62	60	58	51	50	48	43				
2	89	82	75	70	82	76	70	66	64	60	57	54	51	49	45	42	41	36				
3	81	72	64	58	75	67	60	55	57	52	48	48	44	41	39	37	34	30				
4	74	63	55	49	68	59	52	46	50	45	41	42	38	35	35	32	30	26				
5	68	56	48	42	63	52	45	40	45	39	35	38	34	30	32	28	26	23				
6	63	51	42	37	58	47	40	34	41	35	30	34	30	27	29	25	23	20				
7	58	46	38	32	54	43	35	30	37	31	27	31	27	23	26	23	20	18				
8	54	41	34	28	50	39	32	27	34	28	24	29	24	21	24	21	18	16				
9	50	38	30	25	46	35	29	24	31	25	21	26	22	19	22	19	16	14				
10	47	35	27	23	43	33	26	21	28	23	19	24	20	17	21	17	15	13				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	14439	14439	14439
5°	14420	14551	14382
10°	14304	14474	14285
15°	14123	14335	14123
20°	13846	14163	13846
25°	13478	13927	13519
30°	13120	13699	13185
35°	12785	13419	12853
40°	12388	13115	12509
45°	12005	12817	12164
50°	11622	12486	11851
55°	11245	12151	11538
60°	10936	11863	11306
65°	10395	11621	10833
70°	9865	11162	10461
75°	9094	10741	9881
80°	7794	10034	8967
85°	4891	8727	6801



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.0	1.8
10°-20°	268.8	5.2
20°-30°	398.0	7.7
30°-40°	467.2	9.0
40°-50°	473.6	9.1
50°-60°	422.4	8.1
60°-70°	322.3	6.2
70°-80°	190.4	3.7
80°-90°	51.4	1.0
90°-100°	25.9	0.5
100°-110°	107.7	2.1
110°-120°	303.8	5.8
120°-130°	442.9	8.5
130°-140°	477.0	9.2
140°-150°	453.8	8.7
150°-160°	372.5	7.2
160°-170°	243.5	4.7
170°-180°	84.4	1.6
0°-30°	761.8	14.6
0°-40°	1228.9	23.6
0°-60°	2124.9	40.9
0°-90°	2689.0	51.7
90°-120°	437.4	8.4
90°-150°	1811.1	34.8
90°-180°	2512.0	48.3
0°-180°	5200.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1006	1006	1006	1006	1006	
5°	1001	1002	1010	1001	998	95
15°	950	956	965	956	950	268
25°	851	869	880	870	854	392
35°	730	750	766	753	734	455
45°	592	615	632	619	599	456
55°	449	470	486	478	461	404
65°	306	320	342	328	319	304
75°	164	174	194	183	178	173
85°	30	38	53	46	41	38
90°	1	1	1	5	8	1
95°	6	8	19	36	34	7
105°	28	72	119	85	97	33
115°	282	566	289	155	173	332
125°	842	737	460	249	221	746
135°	929	837	604	406	324	716
145°	970	904	719	563	487	608
155°	984	935	808	692	639	455
165°	970	936	865	792	763	275
175°	922	912	894	863	852	89
180°	889	889	889	889	889	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	999.6	998.3	1000.9	1003.5	1003.5	1004.8	1006.1	1007.4	1007.4	1010.0	1006.1
5°	1000.9	998.3	999.6	999.6	998.3	999.6	1000.9	1003.5	1003.5	1006.1	1002.2
7.5°	994.5	993.2	994.5	993.2	991.9	993.2	994.5	995.7	995.7	998.3	995.7
10°	981.5	981.5	981.5	981.5	981.5	982.8	984.1	985.4	985.4	988.0	985.4
12.5°	967.3	967.3	967.3	968.6	966.0	967.3	969.9	972.5	972.5	975.1	972.5
15°	950.5	950.5	951.8	953.1	951.8	951.8	953.1	955.7	955.7	958.3	955.7
17.5°	928.6	928.6	929.9	932.5	931.2	932.5	933.8	936.3	937.6	937.6	937.6
20°	906.6	905.3	906.6	907.9	907.9	909.2	909.2	913.1	915.7	915.7	917.0
22.5°	880.8	878.2	880.8	882.1	882.1	883.4	883.4	887.3	889.8	891.1	895.0
25°	851.1	851.1	852.4	855.0	855.0	856.3	857.6	861.4	864.0	864.0	869.2
27.5°	822.7	821.4	822.7	825.3	827.9	829.1	829.1	833.0	836.9	839.5	842.1
30°	791.7	791.7	793.0	795.6	798.1	796.9	798.1	803.3	807.2	809.8	812.4
32.5°	759.4	759.4	760.7	763.3	767.2	767.2	768.4	772.3	774.9	777.5	782.6
35°	729.7	727.1	728.4	731.0	736.2	734.9	736.2	740.0	742.6	746.5	750.4
37.5°	693.5	693.5	694.8	697.4	702.6	701.3	703.9	706.5	710.3	714.2	716.8
40°	661.2	662.5	661.2	663.8	667.7	669.0	669.0	671.6	676.7	680.6	684.5
42.5°	625.1	626.4	627.7	630.3	634.1	634.1	635.4	638.0	641.9	645.8	649.6
45°	591.5	591.5	591.5	594.1	599.3	599.3	601.8	601.8	605.7	610.9	614.8
47.5°	556.6	556.6	556.6	560.5	564.4	564.4	567.0	567.0	572.1	576.0	579.9
50°	520.5	523.1	521.8	524.3	529.5	528.2	530.8	530.8	534.7	539.8	543.7
52.5°	488.2	488.2	485.6	489.5	493.4	493.4	494.6	494.6	499.8	503.7	507.6
55°	449.4	452.0	449.4	453.3	457.2	457.2	459.8	459.8	461.1	466.2	470.1
57.5°	417.2	417.2	414.6	417.2	421.0	421.0	423.6	423.6	426.2	428.8	435.2
60°	381.0	379.7	378.4	382.3	384.9	384.9	387.5	387.5	390.0	391.3	397.8
62.5°	344.8	343.5	343.5	346.1	348.7	347.4	351.3	351.3	353.9	356.5	360.3
65°	306.1	304.8	304.8	307.4	308.7	308.7	311.3	312.5	313.8	317.7	320.3
67.5°	271.2	269.9	268.6	271.2	272.5	272.5	275.1	276.4	279.0	280.3	282.8
70°	235.1	233.8	232.5	235.1	237.6	236.3	238.9	240.2	241.5	244.1	246.7
72.5°	198.9	198.9	198.9	200.2	201.5	201.5	202.8	204.1	206.6	209.2	210.5
75°	164.0	162.7	162.7	165.3	165.3	165.3	167.9	169.2	169.2	173.1	174.4
77.5°	129.2	130.4	129.2	129.2	129.2	130.4	131.7	133.0	135.6	138.2	139.5
80°	94.3	95.6	94.3	95.6	94.3	95.6	98.2	98.2	100.7	103.3	104.6
82.5°	60.7	62.0	60.7	62.0	62.0	62.0	63.3	64.6	67.2	68.4	71.0
85°	29.7	28.4	29.7	29.7	29.7	29.7	32.3	32.3	34.9	36.2	37.5
87.5°	3.9	3.9	3.9	3.9	5.2	3.9	5.2	6.5	6.5	7.7	7.7
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
95°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.7	7.7
97.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	11.6	11.6	12.9	14.2
100°	14.2	14.2	15.5	15.5	15.5	15.5	15.5	16.8	18.1	20.7	23.2
102.5°	20.7	20.7	20.7	22.0	22.0	23.2	23.2	25.8	28.4	32.3	40.0
105°	28.4	29.7	29.7	29.7	32.3	32.3	33.6	37.5	43.9	54.2	72.3
107.5°	40.0	41.3	41.3	43.9	46.5	49.1	51.7	63.3	78.8	109.8	155.0
110°	62.0	63.3	64.6	71.0	80.1	87.8	98.2	127.9	174.4	242.8	317.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	116.2	122.7	130.4	148.5	179.5	198.9	220.8	298.3	373.2	439.1	475.3
115°	281.5	298.3	315.1	355.2	408.1	439.1	461.1	528.2	560.5	573.4	565.7
117.5°	561.8	576.0	587.6	609.6	635.4	644.5	648.3	662.5	656.1	645.8	626.4
120°	736.2	741.3	740.0	740.0	740.0	736.2	733.6	724.5	709.0	693.5	671.6
122.5°	805.9	807.2	802.0	795.6	787.8	783.9	778.8	764.6	747.8	729.7	706.5
125°	842.1	842.1	836.9	830.4	821.4	816.2	808.5	795.6	778.8	760.7	737.4
127.5°	869.2	867.9	864.0	858.8	848.5	844.6	836.9	822.7	805.9	790.4	767.2
130°	891.1	889.8	884.7	882.1	873.1	866.6	860.1	845.9	829.1	813.6	793.0
132.5°	911.8	909.2	904.1	901.5	892.4	887.3	880.8	867.9	851.1	836.9	814.9
135°	928.6	924.7	920.8	918.3	910.5	904.1	898.9	886.0	871.8	856.3	836.9
137.5°	941.5	938.9	933.8	931.2	923.4	918.3	913.1	902.8	889.8	874.3	856.3
140°	953.1	949.3	946.7	942.8	936.3	931.2	926.0	917.0	904.1	891.1	874.3
142.5°	962.2	959.6	957.0	954.4	946.7	942.8	937.6	929.9	919.5	906.6	891.1
145°	969.9	967.3	964.8	962.2	955.7	951.8	948.0	940.2	931.2	918.3	904.1
147.5°	976.4	973.8	971.2	969.9	963.5	959.6	955.7	950.5	940.2	927.3	917.0
150°	981.5	979.0	976.4	973.8	968.6	964.8	963.5	957.0	946.7	936.3	926.0
152.5°	984.1	981.5	980.2	977.7	972.5	968.6	967.3	960.9	951.8	940.2	931.2
155°	984.1	982.8	980.2	979.0	972.5	968.6	967.3	960.9	953.1	942.8	935.0
157.5°	984.1	981.5	980.2	977.7	971.2	968.6	967.3	962.2	955.7	946.7	938.9
160°	980.2	979.0	977.7	975.1	969.9	967.3	967.3	962.2	955.7	948.0	938.9
162.5°	976.4	973.8	972.5	971.2	967.3	966.0	964.8	960.9	954.4	948.0	938.9
165°	969.9	968.6	966.0	964.8	960.9	959.6	958.3	955.7	949.3	945.4	936.3
167.5°	960.9	958.3	957.0	954.4	950.5	950.5	950.5	948.0	944.1	941.5	932.5
170°	949.3	946.7	945.4	944.1	941.5	941.5	941.5	940.2	936.3	935.0	926.0
172.5°	937.6	936.3	935.0	933.8	929.9	929.9	929.9	929.9	927.3	927.3	919.5
175°	922.1	920.8	919.5	919.5	917.0	918.3	918.3	918.3	917.0	919.5	911.8
177.5°	902.8	900.2	902.8	905.3	904.1	905.3	906.6	906.6	905.3	907.9	901.5
180°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	1002.2	1003.5	1002.2	1003.5	1003.5	1003.5	1003.5	1007.4	1011.2	1013.8	1012.5
5°	998.3	999.6	998.3	999.6	999.6	999.6	999.6	1003.5	1008.7	1010.0	1007.4
7.5°	990.6	991.9	991.9	991.9	991.9	991.9	991.9	997.0	1000.9	1003.5	1000.9
10°	980.2	981.5	981.5	981.5	982.8	982.8	982.8	986.7	991.9	993.2	990.6
12.5°	967.3	968.6	968.6	968.6	969.9	969.9	969.9	973.8	979.0	980.2	979.0
15°	951.8	953.1	953.1	953.1	954.4	954.4	954.4	958.3	963.5	964.8	963.5
17.5°	933.8	933.8	933.8	933.8	936.3	937.6	936.3	940.2	945.4	946.7	945.4
20°	911.8	913.1	913.1	914.4	915.7	917.0	917.0	920.8	926.0	927.3	924.7
22.5°	889.8	889.8	891.1	892.4	892.4	893.7	893.7	897.6	902.8	904.1	902.8
25°	865.3	865.3	866.6	869.2	869.2	870.5	870.5	874.3	878.2	879.5	878.2
27.5°	838.2	836.9	839.5	840.8	842.1	844.6	843.3	848.5	852.4	853.7	852.4
30°	811.1	809.8	812.4	813.6	814.9	816.2	816.2	821.4	825.3	826.6	825.3
32.5°	781.4	780.1	782.6	785.2	785.2	786.5	786.5	791.7	794.3	796.9	794.3
35°	750.4	747.8	751.7	754.2	752.9	755.5	755.5	760.7	763.3	765.9	763.3
37.5°	719.4	718.1	719.4	721.9	721.9	723.2	723.2	728.4	732.3	733.6	732.3
40°	687.1	685.8	687.1	691.0	689.7	691.0	692.2	696.1	698.7	700.0	698.7
42.5°	652.2	652.2	653.5	657.4	656.1	657.4	658.7	662.5	665.1	666.4	665.1
45°	617.3	618.6	617.3	623.8	621.2	622.5	625.1	626.4	630.3	631.5	629.0
47.5°	582.5	585.0	583.8	588.9	587.6	587.6	588.9	592.8	595.4	596.7	595.4
50°	546.3	548.9	547.6	554.1	551.5	552.8	554.1	556.6	557.9	559.2	559.2
52.5°	510.1	511.4	514.0	517.9	516.6	517.9	519.2	520.5	521.8	524.3	521.8
55°	474.0	475.3	477.9	480.4	481.7	481.7	483.0	485.6	484.3	485.6	486.9
57.5°	437.8	440.4	440.4	445.6	445.6	445.6	445.6	449.4	448.2	450.7	450.7
60°	400.4	400.4	402.9	406.8	408.1	408.1	409.4	412.0	410.7	413.3	414.6
62.5°	362.9	365.5	368.1	370.7	373.2	370.7	374.5	375.8	377.1	378.4	377.1
65°	322.9	325.5	328.0	330.6	330.6	330.6	331.9	337.1	337.1	342.2	341.0
67.5°	285.4	288.0	290.6	293.2	294.5	294.5	295.8	298.3	300.9	302.2	300.9
70°	248.0	250.6	255.7	257.0	259.6	257.0	260.9	262.2	264.8	266.0	264.8
72.5°	211.8	214.4	218.3	219.6	222.1	223.4	224.7	224.7	228.6	229.9	229.9
75°	175.6	178.2	182.1	183.4	186.0	187.3	188.6	188.6	192.4	193.7	192.4
77.5°	140.8	142.1	145.9	147.2	149.8	151.1	152.4	152.4	156.3	157.6	156.3
80°	105.9	107.2	111.1	112.4	114.9	114.9	116.2	117.5	120.1	121.4	120.1
82.5°	72.3	73.6	76.2	78.8	80.1	81.4	82.7	83.9	85.2	86.5	85.2
85°	38.7	40.0	43.9	45.2	47.8	49.1	49.1	50.4	53.0	53.0	53.0
87.5°	9.0	11.6	14.2	15.5	18.1	18.1	19.4	19.4	22.0	23.2	22.0
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°	3.9	3.9	5.2	5.2	6.5	6.5	9.0	10.3	9.0	7.7	7.7
95°	9.0	10.3	12.9	16.8	18.1	20.7	25.8	27.1	22.0	19.4	18.1
97.5°	16.8	20.7	27.1	37.5	41.3	46.5	53.0	50.4	41.3	34.9	32.3
100°	29.7	38.7	54.2	73.6	81.4	87.8	89.1	82.7	68.4	56.8	50.4
102.5°	53.0	74.9	107.2	134.3	139.5	143.4	136.9	122.7	102.0	83.9	73.6
105°	105.9	151.1	195.0	211.8	211.8	207.9	188.6	169.2	142.1	118.8	102.0
107.5°	218.3	269.9	295.8	290.6	281.5	268.6	242.8	218.3	186.0	157.6	136.9
110°	368.1	387.5	379.7	360.3	343.5	328.0	295.8	266.0	231.2	201.5	176.9





TEST NUMBER: P303157

CATALOG NUMBER: CTW-F-5050-40L935-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	480.4	466.2	445.6	413.3	397.8	382.3	348.7	315.1	276.4	246.7	218.3
115°	551.5	525.6	497.2	464.9	448.2	431.4	399.1	362.9	321.6	289.3	260.9
117.5°	603.1	572.1	542.4	511.4	493.4	476.6	445.6	406.8	368.1	333.2	304.8
120°	644.5	612.2	582.5	551.5	536.0	520.5	488.2	449.4	412.0	381.0	350.0
122.5°	680.6	648.3	619.9	590.2	576.0	559.2	525.6	488.2	450.7	421.0	392.6
125°	712.9	683.2	654.8	627.7	612.2	594.1	560.5	524.3	489.5	459.8	432.7
127.5°	742.6	715.5	688.4	661.2	647.0	626.4	595.4	560.5	528.2	498.5	472.7
130°	769.7	745.2	718.1	691.0	675.5	657.4	626.4	594.1	564.4	536.0	510.1
132.5°	795.6	771.0	745.2	716.8	702.6	685.8	657.4	626.4	598.0	573.4	547.6
135°	818.8	794.3	768.4	741.3	725.8	711.6	684.5	656.1	629.0	604.4	578.6
137.5°	839.5	813.6	789.1	763.3	749.1	736.2	710.3	683.2	660.0	636.7	610.9
140°	857.6	830.4	807.2	781.4	769.7	759.4	732.3	710.3	688.4	665.1	643.2
142.5°	871.8	845.9	824.0	800.7	790.4	778.8	755.5	734.9	714.2	693.5	671.6
145°	884.7	858.8	839.5	817.5	807.2	798.1	776.2	755.5	738.7	719.4	697.4
147.5°	896.3	873.1	853.7	834.3	825.3	816.2	795.6	777.5	762.0	742.6	723.2
150°	904.1	884.7	867.9	848.5	842.1	833.0	813.6	798.1	782.6	767.2	747.8
152.5°	910.5	893.7	878.2	862.7	856.3	847.2	830.4	817.5	804.6	789.1	771.0
155°	914.4	901.5	887.3	873.1	866.6	860.1	845.9	833.0	821.4	808.5	790.4
157.5°	919.5	907.9	895.0	882.1	876.9	870.5	857.6	847.2	836.9	825.3	809.8
160°	922.1	911.8	900.2	889.8	884.7	880.8	866.6	860.1	851.1	840.8	826.6
162.5°	923.4	914.4	905.3	896.3	892.4	887.3	876.9	870.5	862.7	853.7	842.1
165°	923.4	917.0	907.9	901.5	897.6	892.4	884.7	879.5	873.1	865.3	855.0
167.5°	922.1	917.0	909.2	904.1	901.5	897.6	889.8	886.0	882.1	876.9	866.6
170°	918.3	914.4	909.2	905.3	901.5	898.9	893.7	891.1	888.6	884.7	875.6
172.5°	913.1	910.5	905.3	904.1	901.5	898.9	895.0	895.0	892.4	889.8	883.4
175°	906.6	905.3	901.5	900.2	900.2	897.6	895.0	895.0	896.3	893.7	888.6
177.5°	897.6	897.6	895.0	895.0	895.0	893.7	892.4	895.0	896.3	896.3	892.4
180°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6



TEST NUMBER: P303157

CATALOG NUMBER: CTW-F-5050-40L935-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	1010.0	1006.1	1003.5	1003.5	1003.5	1000.9	999.6	1000.9	1004.8	1011.2	1004.8
5°	1004.8	1000.9	999.6	999.6	999.6	997.0	995.7	997.0	1000.9	1007.4	1000.9
7.5°	998.3	994.5	993.2	993.2	991.9	989.3	989.3	989.3	994.5	998.3	993.2
10°	988.0	984.1	982.8	982.8	981.5	979.0	979.0	979.0	984.1	988.0	982.8
12.5°	975.1	971.2	969.9	969.9	968.6	966.0	966.0	966.0	971.2	973.8	969.9
15°	959.6	955.7	954.4	954.4	953.1	950.5	950.5	950.5	955.7	957.0	953.1
17.5°	941.5	937.6	936.3	936.3	933.8	932.5	931.2	931.2	936.3	937.6	933.8
20°	922.1	917.0	917.0	915.7	913.1	911.8	911.8	910.5	918.3	915.7	913.1
22.5°	898.9	895.0	895.0	893.7	891.1	889.8	888.6	888.6	895.0	889.8	887.3
25°	875.6	870.5	871.8	869.2	867.9	865.3	864.0	864.0	870.5	864.0	862.7
27.5°	851.1	845.9	843.3	843.3	842.1	838.2	836.9	836.9	843.3	836.9	835.6
30°	821.4	818.8	816.2	816.2	812.4	811.1	809.8	809.8	814.9	808.5	807.2
32.5°	793.0	789.1	787.8	786.5	785.2	781.4	780.1	781.4	785.2	777.5	776.2
35°	762.0	759.4	758.1	755.5	754.2	751.7	750.4	751.7	752.9	746.5	743.9
37.5°	728.4	727.1	725.8	723.2	721.9	720.7	719.4	720.7	720.7	714.2	711.6
40°	696.1	693.5	692.2	691.0	691.0	688.4	687.1	689.7	687.1	684.5	679.3
42.5°	663.8	660.0	660.0	657.4	657.4	654.8	654.8	656.1	653.5	650.9	645.8
45°	629.0	627.7	626.4	623.8	623.8	621.2	621.2	622.5	618.6	616.0	612.2
47.5°	594.1	594.1	591.5	588.9	590.2	588.9	587.6	587.6	585.0	582.5	578.6
50°	559.2	557.9	554.1	555.3	556.6	552.8	554.1	550.2	550.2	547.6	542.4
52.5°	523.1	521.8	520.5	519.2	520.5	517.9	517.9	515.3	514.0	511.4	507.6
55°	488.2	486.9	484.3	484.3	485.6	481.7	481.7	479.1	477.9	475.3	471.4
57.5°	452.0	450.7	449.4	448.2	449.4	446.9	445.6	444.3	441.7	439.1	436.5
60°	415.9	414.6	412.0	410.7	412.0	409.4	408.1	406.8	405.5	401.7	399.1
62.5°	378.4	375.8	375.8	374.5	375.8	373.2	372.0	370.7	368.1	365.5	365.5
65°	341.0	339.7	339.7	335.8	338.4	335.8	330.6	330.6	328.0	325.5	325.5
67.5°	300.9	299.6	299.6	298.3	298.3	298.3	297.0	294.5	290.6	290.6	290.6
70°	264.8	263.5	263.5	260.9	262.2	260.9	259.6	257.0	254.4	254.4	254.4
72.5°	227.3	226.0	226.0	224.7	226.0	224.7	223.4	220.8	218.3	219.6	218.3
75°	191.1	189.9	191.1	188.6	189.9	188.6	187.3	184.7	183.4	184.7	183.4
77.5°	155.0	155.0	155.0	155.0	153.7	152.4	151.1	149.8	149.8	149.8	147.2
80°	120.1	118.8	118.8	118.8	118.8	117.5	116.2	114.9	114.9	114.9	112.4
82.5°	85.2	85.2	85.2	85.2	83.9	85.2	81.4	80.1	80.1	80.1	77.5
85°	51.7	51.7	53.0	51.7	51.7	50.4	47.8	46.5	46.5	45.2	43.9
87.5°	23.2	20.7	20.7	20.7	19.4	19.4	19.4	16.8	16.8	16.8	14.2
90°	2.6	3.9	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2	6.5
92.5°	11.6	15.5	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
95°	20.7	23.2	28.4	31.0	33.6	36.2	36.2	37.5	36.2	34.9	34.9
97.5°	31.0	34.9	36.2	37.5	40.0	45.2	49.1	53.0	55.5	56.8	56.8
100°	47.8	46.5	49.1	53.0	53.0	51.7	55.5	59.4	63.3	67.2	68.4
102.5°	68.4	63.3	62.0	63.3	65.9	71.0	68.4	69.7	71.0	73.6	77.5
105°	93.0	85.2	80.1	78.8	80.1	82.7	87.8	89.1	85.2	86.5	87.8
107.5°	121.4	109.8	102.0	99.4	98.2	98.2	100.7	105.9	109.8	108.5	105.9
110°	156.3	138.2	127.9	122.7	120.1	117.5	117.5	120.1	124.0	129.2	133.0



TEST NUMBER: P303157

CATALOG NUMBER: CTW-F-5050-40L935-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	195.0	173.1	157.6	149.8	145.9	136.9	135.6	136.9	138.2	142.1	147.2
115°	236.3	209.2	189.9	180.8	175.6	161.4	155.0	153.7	155.0	156.3	158.9
117.5°	277.7	250.6	226.0	215.7	207.9	191.1	179.5	175.6	171.8	173.1	173.1
120°	322.9	290.6	267.3	253.1	245.4	224.7	209.2	200.2	192.4	189.9	188.6
122.5°	364.2	335.8	307.4	297.0	284.1	260.9	244.1	229.9	218.3	210.5	206.6
125°	402.9	375.8	350.0	338.4	325.5	299.6	281.5	264.8	249.3	238.9	228.6
127.5°	445.6	417.2	391.3	381.0	368.1	342.2	320.3	304.8	288.0	272.5	258.3
130°	480.4	455.9	431.4	421.0	409.4	384.9	362.9	344.8	324.2	310.0	294.5
132.5°	519.2	493.4	470.1	458.5	446.9	423.6	402.9	384.9	365.5	352.6	335.8
135°	554.1	529.5	505.0	495.9	483.0	462.4	443.0	423.6	405.5	390.0	375.8
137.5°	587.6	563.1	541.1	530.8	519.2	499.8	481.7	467.5	446.9	431.4	415.9
140°	618.6	595.4	574.7	564.4	555.3	534.7	519.2	505.0	485.6	471.4	454.6
142.5°	648.3	626.4	608.3	598.0	587.6	568.3	552.8	539.8	524.3	508.9	494.6
145°	676.7	654.8	638.0	629.0	618.6	600.5	586.3	573.4	563.1	546.3	532.1
147.5°	703.9	681.9	666.4	658.7	649.6	632.8	619.9	607.0	598.0	582.5	569.6
150°	728.4	709.0	694.8	687.1	678.0	662.5	650.9	639.3	631.5	616.0	607.0
152.5°	752.9	734.9	721.9	714.2	706.5	691.0	679.3	667.7	663.8	648.3	640.6
155°	774.9	756.8	745.2	738.7	732.3	716.8	706.5	694.8	692.2	679.3	670.3
157.5°	795.6	778.8	767.2	762.0	755.5	741.3	732.3	721.9	720.7	709.0	701.3
160°	813.6	798.1	787.8	781.4	776.2	764.6	755.5	747.8	745.2	737.4	729.7
162.5°	830.4	817.5	807.2	802.0	798.1	786.5	778.8	771.0	769.7	764.6	755.5
165°	844.6	831.7	824.0	820.1	816.2	805.9	799.4	793.0	791.7	789.1	780.1
167.5°	857.6	845.9	839.5	835.6	831.7	824.0	818.8	813.6	813.6	811.1	803.3
170°	867.9	857.6	852.4	849.8	847.2	839.5	834.3	830.4	830.4	831.7	822.7
172.5°	876.9	869.2	864.0	860.1	858.8	853.7	849.8	845.9	847.2	849.8	842.1
175°	884.7	876.9	873.1	871.8	870.5	865.3	862.7	861.4	862.7	866.6	860.1
177.5°	889.8	884.7	882.1	880.8	880.8	875.6	874.3	874.3	875.6	882.1	874.3
180°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6



TEST NUMBER: P303157

CATALOG NUMBER: CTW-F-5050-40L935-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1	1006.1
2.5°	1007.4	1006.1	1004.8	1003.5	1002.2	1000.9	998.3	999.6
5°	1002.2	1000.9	999.6	998.3	998.3	998.3	997.0	998.3
7.5°	994.5	993.2	991.9	990.6	990.6	991.9	990.6	993.2
10°	984.1	981.5	981.5	979.0	979.0	979.0	979.0	980.2
12.5°	969.9	967.3	967.3	964.8	964.8	964.8	966.0	967.3
15°	953.1	951.8	950.5	949.3	949.3	950.5	949.3	950.5
17.5°	933.8	931.2	931.2	929.9	929.9	928.6	928.6	929.9
20°	910.5	907.9	907.9	906.6	905.3	905.3	905.3	906.6
22.5°	884.7	883.4	882.1	879.5	880.8	880.8	879.5	882.1
25°	858.8	857.6	856.3	855.0	855.0	853.7	852.4	853.7
27.5°	833.0	830.4	829.1	827.9	826.6	825.3	824.0	825.3
30°	804.6	799.4	800.7	799.4	796.9	795.6	794.3	795.6
32.5°	773.6	771.0	768.4	768.4	765.9	764.6	763.3	764.6
35°	742.6	738.7	737.4	737.4	734.9	733.6	732.3	733.6
37.5°	710.3	706.5	705.2	705.2	702.6	700.0	700.0	700.0
40°	676.7	672.9	672.9	672.9	670.3	667.7	667.7	667.7
42.5°	643.2	640.6	639.3	639.3	636.7	632.8	632.8	634.1
45°	609.6	607.0	605.7	604.4	603.1	599.3	599.3	599.3
47.5°	573.4	573.4	570.8	570.8	568.3	567.0	565.7	565.7
50°	541.1	538.6	536.0	536.0	534.7	530.8	530.8	530.8
52.5°	505.0	503.7	501.1	501.1	498.5	495.9	495.9	495.9
55°	470.1	468.8	466.2	466.2	463.6	462.4	461.1	461.1
57.5°	433.9	433.9	431.4	431.4	427.5	427.5	426.2	428.8
60°	396.5	397.8	395.2	393.9	391.3	391.3	391.3	393.9
62.5°	362.9	361.6	359.0	359.0	357.7	356.5	357.7	357.7
65°	324.2	321.6	320.3	320.3	319.0	317.7	316.4	319.0
67.5°	288.0	286.7	284.1	284.1	284.1	282.8	282.8	284.1
70°	251.8	250.6	249.3	249.3	248.0	248.0	248.0	249.3
72.5°	215.7	215.7	215.7	214.4	213.1	211.8	214.4	213.1
75°	180.8	179.5	179.5	179.5	178.2	176.9	175.6	178.2
77.5°	145.9	144.6	144.6	144.6	143.4	142.1	142.1	143.4
80°	111.1	109.8	109.8	109.8	108.5	108.5	107.2	108.5
82.5°	74.9	74.9	74.9	74.9	72.3	73.6	73.6	72.3
85°	42.6	41.3	41.3	41.3	41.3	41.3	40.0	41.3
87.5°	12.9	12.9	12.9	14.2	12.9	14.2	14.2	14.2
90°	6.5	6.5	6.5	6.5	6.5	6.5	7.7	7.7
92.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
95°	33.6	34.9	33.6	33.6	33.6	33.6	33.6	33.6
97.5°	56.8	56.8	56.8	56.8	55.5	54.2	54.2	54.2
100°	71.0	72.3	73.6	73.6	74.9	74.9	74.9	74.9
102.5°	80.1	81.4	81.4	82.7	83.9	83.9	83.9	83.9
105°	89.1	89.1	90.4	91.7	94.3	95.6	96.9	96.9
107.5°	104.6	104.6	105.9	105.9	105.9	107.2	107.2	107.2
110°	131.7	126.6	126.6	125.3	124.0	124.0	124.0	124.0



TEST NUMBER: P303157

CATALOG NUMBER: CTW-F-5050-40L935-UNV-STD-6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	151.1	152.4	153.7	155.0	153.7	151.1	151.1	151.1
115°	164.0	166.6	169.2	170.5	171.8	171.8	173.1	173.1
117.5°	176.9	179.5	180.8	182.1	184.7	184.7	187.3	187.3
120°	189.9	192.4	192.4	193.7	195.0	196.3	197.6	197.6
122.5°	205.3	206.6	206.6	206.6	207.9	207.9	209.2	209.2
125°	224.7	222.1	220.8	222.1	220.8	220.8	220.8	220.8
127.5°	249.3	244.1	242.8	241.5	238.9	236.3	236.3	236.3
130°	281.5	273.8	269.9	268.6	264.8	259.6	259.6	258.3
132.5°	319.0	310.0	304.8	303.5	297.0	290.6	288.0	286.7
135°	362.9	352.6	346.1	344.8	334.5	328.0	325.5	324.2
137.5°	401.7	391.3	387.5	384.9	378.4	372.0	368.1	366.8
140°	441.7	432.7	426.2	423.6	415.9	412.0	408.1	408.1
142.5°	481.7	472.7	466.2	463.6	457.2	452.0	448.2	448.2
145°	520.5	511.4	505.0	502.4	495.9	490.8	488.2	486.9
147.5°	559.2	550.2	545.0	542.4	536.0	530.8	526.9	526.9
150°	596.7	587.6	582.5	577.3	573.4	568.3	565.7	564.4
152.5°	631.5	623.8	618.6	613.5	609.6	607.0	603.1	603.1
155°	662.5	656.1	650.9	647.0	644.5	640.6	639.3	639.3
157.5°	694.8	687.1	683.2	679.3	676.7	675.5	672.9	672.9
160°	724.5	716.8	714.2	710.3	707.7	705.2	703.9	705.2
162.5°	752.9	747.8	743.9	740.0	738.7	736.2	734.9	734.9
165°	777.5	772.3	769.7	767.2	764.6	763.3	762.0	763.3
167.5°	800.7	795.6	793.0	790.4	789.1	789.1	787.8	787.8
170°	821.4	817.5	816.2	812.4	811.1	811.1	809.8	809.8
172.5°	840.8	838.2	836.9	834.3	834.3	834.3	833.0	834.3
175°	860.1	857.6	856.3	853.7	853.7	852.4	851.1	852.4
177.5°	876.9	875.6	873.1	871.8	870.5	869.2	866.6	867.9
180°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6

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