

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: P303144

Luminaire Tested: **CTW-F-5050-30L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-5050-30L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
50% UPLIGHT, 50% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

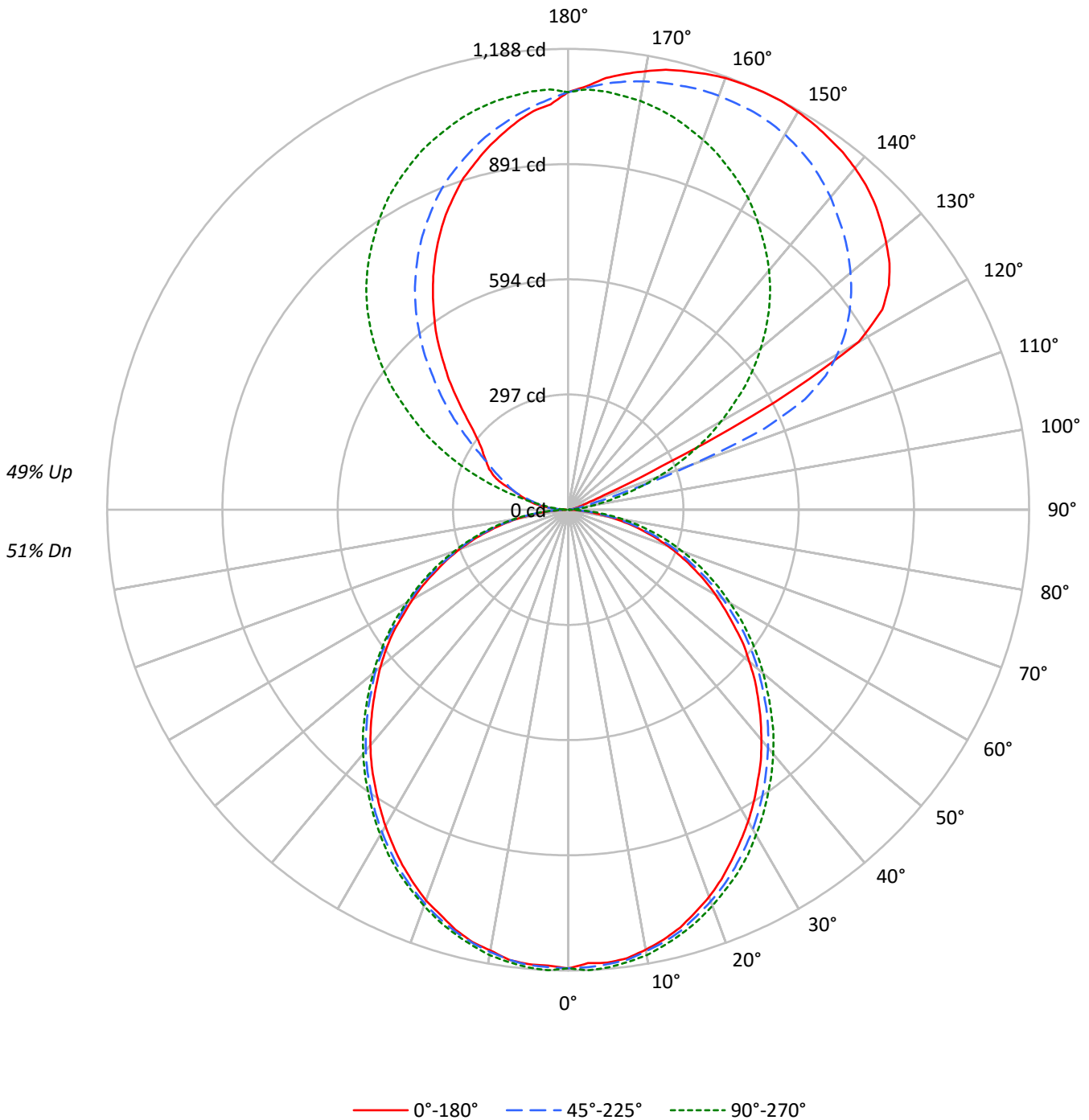
Lumens per Lamp: N/A
Luminaire Lumens: 6181.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 43.7
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				51
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43				43
2	89	82	75	70	82	76	70	66	64	60	57	54	51	48	44	42	40	36				36
3	81	72	64	58	75	66	60	55	57	52	48	47	44	41	39	36	34	30				30
4	74	63	55	49	68	59	52	46	50	45	40	42	38	35	35	32	29	26				26
5	68	56	48	42	63	52	45	40	45	39	35	38	34	30	31	28	26	22				22
6	63	51	42	36	58	47	40	34	40	35	30	34	30	26	28	25	22	20				20
7	58	46	38	32	53	43	35	30	37	31	27	31	27	23	26	23	20	17				17
8	54	41	34	28	50	39	32	27	33	28	24	28	24	21	24	20	18	15				15
9	50	38	30	25	46	35	28	24	31	25	21	26	22	19	22	19	16	14				14
10	47	35	27	23	43	32	26	21	28	23	19	24	20	17	20	17	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	12726	12726	12726
5°	12665	12796	12709
10°	12588	12744	12611
15°	12425	12607	12494
20°	12165	12446	12282
25°	11839	12275	12008
30°	11528	12035	11706
35°	11197	11786	11411
40°	10884	11543	11143
45°	10551	11265	10829
50°	10206	10992	10582
55°	9792	10712	10329
60°	9436	10357	9961
65°	9034	10124	9605
70°	8598	9816	9366
75°	7885	9495	8817
80°	6695	8846	8089
85°	4026	7805	6039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	1.8
10°-20°	316.1	5.1
20°-30°	468.0	7.6
30°-40°	549.5	8.9
40°-50°	557.2	9.0
50°-60°	495.6	8.0
60°-70°	377.8	6.1
70°-80°	224.4	3.6
80°-90°	60.6	1.0
90°-100°	29.6	0.5
100°-110°	126.0	2.0
110°-120°	356.8	5.8
120°-130°	534.0	8.6
130°-140°	577.2	9.3
140°-150°	549.6	8.9
150°-160°	450.7	7.3
160°-170°	294.6	4.8
170°-180°	102.1	1.7
0°-30°	895.7	14.5
0°-40°	1445.2	23.4
0°-60°	2498.0	40.4
0°-90°	3160.9	51.1
90°-120°	512.4	8.3
90°-150°	2173.1	35.2
90°-180°	3021.0	48.9
0°-180°	6181.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1182	1182	1182	1182	1182	
5°	1172	1176	1184	1178	1176	111
15°	1115	1123	1131	1125	1121	314
25°	997	1017	1034	1025	1011	459
35°	852	879	897	887	868	534
45°	693	722	740	730	711	535
55°	522	552	571	563	550	468
65°	355	371	398	389	377	352
75°	190	202	228	220	212	200
85°	33	43	63	57	49	43
90°	2	2	2	4	6	2
95°	6	6	22	45	41	7
105°	28	73	145	110	118	33
115°	265	673	353	192	214	351
125°	1009	885	556	312	271	891
135°	1117	1005	732	497	404	862
145°	1170	1091	868	689	601	734
155°	1188	1131	974	842	783	549
165°	1170	1131	1048	960	926	332
175°	1117	1103	1082	1044	1032	107
180°	1076	1076	1076	1076	1076	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1170.1	1170.1	1176.2	1178.2	1178.2	1180.3	1182.3	1184.3	1184.3	1184.3	1180.3
5°	1172.1	1172.1	1172.1	1172.1	1172.1	1174.2	1176.2	1178.2	1180.3	1178.2	1176.2
7.5°	1166.0	1166.0	1166.0	1166.0	1164.0	1166.0	1166.0	1170.1	1170.1	1170.1	1170.1
10°	1151.7	1151.7	1151.7	1153.8	1151.7	1153.8	1155.8	1157.8	1159.9	1159.9	1155.8
12.5°	1135.4	1135.4	1135.4	1137.5	1135.4	1135.4	1139.5	1139.5	1143.6	1141.5	1141.5
15°	1115.0	1115.0	1115.0	1119.1	1117.1	1117.1	1119.1	1121.2	1123.2	1123.2	1123.2
17.5°	1088.5	1088.5	1092.6	1094.7	1092.6	1094.7	1094.7	1096.7	1100.8	1100.8	1098.7
20°	1062.0	1062.0	1062.0	1066.1	1064.1	1066.1	1066.1	1070.2	1074.3	1074.3	1074.3
22.5°	1031.5	1029.4	1031.5	1033.5	1033.5	1035.5	1035.5	1039.6	1043.7	1045.7	1047.8
25°	996.8	996.8	998.8	1002.9	1002.9	1002.9	1005.0	1009.0	1013.1	1015.2	1017.2
27.5°	962.2	962.2	964.2	968.3	970.3	970.3	970.3	976.4	982.5	984.6	984.6
30°	927.5	927.5	927.5	931.6	933.6	933.6	933.6	939.7	945.8	952.0	952.0
32.5°	890.8	890.8	890.8	896.9	899.0	899.0	899.0	903.0	909.2	913.2	915.3
35°	852.1	852.1	854.1	858.2	860.2	860.2	860.2	864.3	868.4	876.5	878.6
37.5°	815.4	813.3	815.4	819.5	821.5	821.5	819.5	825.6	831.7	837.8	839.8
40°	774.6	772.6	776.7	778.7	780.7	780.7	780.7	786.8	793.0	799.1	801.1
42.5°	733.8	733.8	735.9	737.9	740.0	740.0	742.0	746.1	750.2	758.3	762.4
45°	693.1	691.0	695.1	697.2	701.2	699.2	701.2	703.3	709.4	715.5	721.6
47.5°	652.3	652.3	652.3	654.3	658.4	660.5	660.5	662.5	668.6	674.7	678.8
50°	609.5	609.5	611.5	613.6	617.7	617.7	619.7	621.7	623.8	634.0	638.0
52.5°	568.7	568.7	568.7	570.8	576.9	576.9	576.9	581.0	585.0	589.1	595.2
55°	521.8	523.9	523.9	523.9	530.0	530.0	532.0	534.1	538.2	546.3	552.4
57.5°	479.0	481.1	481.1	483.1	485.2	487.2	489.2	489.2	493.3	497.4	503.5
60°	438.3	440.3	440.3	440.3	444.4	444.4	446.4	448.5	450.5	454.6	460.7
62.5°	397.5	397.5	397.5	397.5	401.6	401.6	403.6	407.7	407.7	411.8	417.9
65°	354.7	356.7	354.7	356.7	358.8	358.8	360.8	364.9	364.9	369.0	371.0
67.5°	313.9	313.9	313.9	316.0	316.0	318.0	318.0	322.1	324.1	326.2	328.2
70°	273.2	273.2	271.1	273.2	275.2	277.2	277.2	279.3	281.3	283.3	287.4
72.5°	230.3	230.3	230.3	232.4	232.4	234.4	234.4	238.5	240.5	242.6	244.6
75°	189.6	189.6	189.6	191.6	191.6	191.6	193.7	195.7	197.7	199.8	201.8
77.5°	148.8	148.8	148.8	150.8	148.8	150.8	150.8	154.9	157.0	159.0	161.0
80°	108.0	108.0	108.0	110.1	112.1	112.1	112.1	114.2	116.2	118.2	120.3
82.5°	69.3	67.3	67.3	69.3	71.3	71.3	73.4	73.4	75.4	77.5	81.5
85°	32.6	32.6	30.6	32.6	34.7	34.7	36.7	36.7	38.7	40.8	42.8
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1	8.2
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
95°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
97.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2
100°	14.3	14.3	14.3	14.3	14.3	16.3	16.3	16.3	18.3	20.4	22.4
102.5°	20.4	20.4	20.4	20.4	22.4	22.4	22.4	24.5	26.5	32.6	38.7
105°	28.5	28.5	30.6	30.6	32.6	32.6	34.7	36.7	42.8	53.0	73.4
107.5°	40.8	40.8	42.8	42.8	46.9	48.9	53.0	59.1	75.4	106.0	157.0
110°	59.1	61.2	65.2	67.3	77.5	83.6	91.7	118.2	169.2	248.7	340.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	108.0	110.1	126.4	136.6	167.2	189.6	212.0	287.4	391.4	487.2	548.3
115°	265.0	277.2	299.7	340.4	405.7	452.5	495.3	578.9	646.2	670.7	672.7
117.5°	601.3	611.5	642.1	674.7	717.5	746.1	758.3	776.7	778.7	764.4	748.1
120°	864.3	864.3	864.3	872.5	872.5	876.5	870.4	862.3	843.9	821.5	801.1
122.5°	960.1	956.0	954.0	947.9	939.7	933.6	927.5	911.2	894.9	870.4	846.0
125°	1009.0	1002.9	1000.9	992.7	980.5	976.4	968.3	952.0	933.6	909.2	884.7
127.5°	1043.7	1037.6	1033.5	1027.4	1015.2	1009.0	1000.9	984.6	966.2	943.8	919.3
130°	1070.2	1064.1	1060.0	1055.9	1041.7	1037.6	1029.4	1013.1	994.8	974.4	949.9
132.5°	1094.7	1090.6	1084.5	1078.3	1070.2	1064.1	1055.9	1041.7	1023.3	1002.9	978.5
135°	1117.1	1111.0	1106.9	1102.8	1090.6	1086.5	1078.3	1064.1	1047.8	1025.3	1005.0
137.5°	1135.4	1129.3	1125.2	1119.1	1111.0	1102.8	1096.7	1084.5	1068.2	1049.8	1027.4
140°	1149.7	1143.6	1139.5	1133.4	1125.2	1119.1	1113.0	1102.8	1088.5	1070.2	1051.8
142.5°	1161.9	1153.8	1151.7	1145.6	1137.5	1133.4	1127.3	1117.1	1104.8	1086.5	1072.2
145°	1170.1	1164.0	1161.9	1155.8	1149.7	1143.6	1141.5	1133.4	1119.1	1100.8	1090.6
147.5°	1178.2	1172.1	1170.1	1166.0	1157.8	1153.8	1151.7	1141.5	1129.3	1113.0	1104.8
150°	1184.3	1178.2	1176.2	1172.1	1164.0	1161.9	1159.9	1151.7	1139.5	1123.2	1117.1
152.5°	1188.4	1180.3	1178.2	1174.2	1168.0	1166.0	1164.0	1155.8	1145.6	1131.3	1125.2
155°	1188.4	1182.3	1180.3	1176.2	1170.1	1168.0	1164.0	1157.8	1147.7	1137.5	1131.3
157.5°	1186.4	1182.3	1180.3	1176.2	1168.0	1168.0	1164.0	1157.8	1149.7	1141.5	1133.4
160°	1184.3	1178.2	1178.2	1174.2	1168.0	1168.0	1164.0	1159.9	1149.7	1143.6	1135.4
162.5°	1178.2	1174.2	1174.2	1170.1	1166.0	1166.0	1161.9	1157.8	1147.7	1145.6	1135.4
165°	1170.1	1166.0	1166.0	1164.0	1157.8	1157.8	1155.8	1149.7	1143.6	1141.5	1131.3
167.5°	1161.9	1155.8	1155.8	1153.8	1147.7	1147.7	1147.7	1143.6	1137.5	1139.5	1127.3
170°	1147.7	1141.5	1141.5	1139.5	1137.5	1137.5	1137.5	1133.4	1127.3	1131.3	1121.2
172.5°	1133.4	1131.3	1129.3	1127.3	1125.2	1125.2	1125.2	1123.2	1119.1	1123.2	1113.0
175°	1117.1	1113.0	1113.0	1111.0	1111.0	1111.0	1111.0	1111.0	1106.9	1113.0	1102.8
177.5°	1092.6	1088.5	1090.6	1092.6	1092.6	1094.7	1094.7	1094.7	1092.6	1098.7	1088.5
180°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1176.2	1180.3	1178.2	1178.2	1178.2	1178.2	1178.2	1180.3	1186.4	1188.4	1188.4
5°	1172.1	1176.2	1174.2	1172.1	1172.1	1172.1	1172.1	1176.2	1182.3	1184.3	1182.3
7.5°	1164.0	1168.0	1166.0	1164.0	1166.0	1166.0	1166.0	1170.1	1176.2	1176.2	1176.2
10°	1151.7	1155.8	1153.8	1153.8	1153.8	1153.8	1155.8	1157.8	1164.0	1166.0	1164.0
12.5°	1137.5	1139.5	1137.5	1139.5	1139.5	1139.5	1139.5	1141.5	1147.7	1149.7	1149.7
15°	1119.1	1121.2	1119.1	1121.2	1119.1	1121.2	1121.2	1125.2	1129.3	1131.3	1133.4
17.5°	1096.7	1096.7	1096.7	1098.7	1098.7	1098.7	1098.7	1102.8	1108.9	1111.0	1111.0
20°	1070.2	1072.2	1074.3	1074.3	1074.3	1076.3	1076.3	1078.3	1086.5	1086.5	1088.5
22.5°	1045.7	1045.7	1047.8	1047.8	1049.8	1049.8	1049.8	1051.8	1060.0	1060.0	1060.0
25°	1015.2	1015.2	1019.2	1021.3	1021.3	1021.3	1023.3	1025.3	1033.5	1033.5	1033.5
27.5°	982.5	982.5	988.7	986.6	988.7	990.7	992.7	996.8	1000.9	1002.9	1002.9
30°	949.9	949.9	954.0	954.0	956.0	956.0	958.1	962.2	968.3	968.3	970.3
32.5°	917.3	917.3	919.3	921.4	923.4	921.4	923.4	927.5	933.6	933.6	935.7
35°	880.6	878.6	882.7	884.7	884.7	886.7	886.7	890.8	896.9	896.9	899.0
37.5°	843.9	841.9	846.0	848.0	850.0	850.0	850.0	854.1	858.2	860.2	862.3
40°	805.2	803.2	809.3	811.3	811.3	811.3	811.3	815.4	819.5	821.5	823.5
42.5°	762.4	764.4	768.5	772.6	772.6	772.6	774.6	774.6	780.7	782.8	784.8
45°	723.7	725.7	727.7	733.8	731.8	729.8	733.8	733.8	740.0	740.0	742.0
47.5°	682.9	684.9	684.9	691.0	691.0	689.0	693.1	693.1	697.2	697.2	701.2
50°	642.1	644.2	644.2	650.3	650.3	648.2	652.3	652.3	656.4	656.4	660.5
52.5°	597.3	601.3	601.3	607.5	609.5	607.5	609.5	609.5	613.6	613.6	617.7
55°	554.5	558.5	560.6	562.6	566.7	564.7	566.7	568.7	572.8	570.8	574.8
57.5°	509.6	509.6	513.7	515.7	517.8	517.8	523.9	521.8	521.8	528.0	530.0
60°	464.8	466.8	470.9	472.9	475.0	475.0	477.0	479.0	481.1	481.1	485.2
62.5°	422.0	426.0	428.1	430.1	432.2	430.1	436.2	438.3	440.3	440.3	440.3
65°	379.2	381.2	385.3	387.3	387.3	387.3	393.4	395.5	395.5	397.5	397.5
67.5°	334.3	338.4	342.5	342.5	346.5	344.5	350.6	352.7	352.7	354.7	356.7
70°	291.5	293.5	297.6	299.7	303.7	301.7	305.8	307.8	309.8	311.9	313.9
72.5°	248.7	250.7	254.8	256.8	258.9	260.9	263.0	267.0	269.1	271.1	271.1
75°	205.9	207.9	212.0	214.0	216.1	218.1	220.2	224.2	224.2	228.3	228.3
77.5°	165.1	167.2	169.2	171.2	175.3	177.3	179.4	181.4	183.5	185.5	185.5
80°	124.3	124.3	128.4	130.5	134.5	134.5	136.6	138.6	142.7	142.7	142.7
82.5°	83.6	85.6	87.7	89.7	93.8	93.8	95.8	99.9	101.9	101.9	101.9
85°	44.8	46.9	51.0	53.0	55.0	55.0	59.1	61.2	63.2	63.2	63.2
87.5°	10.2	12.2	14.3	16.3	20.4	22.4	22.4	24.5	26.5	26.5	26.5
90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
92.5°	4.1	4.1	4.1	4.1	4.1	6.1	8.2	10.2	10.2	8.2	10.2
95°	8.2	8.2	10.2	14.3	18.3	20.4	28.5	30.6	26.5	22.4	22.4
97.5°	14.3	18.3	24.5	36.7	44.8	51.0	61.2	57.1	48.9	42.8	38.7
100°	28.5	38.7	53.0	77.5	89.7	99.9	104.0	93.8	81.5	69.3	61.2
102.5°	51.0	77.5	110.1	148.8	161.0	165.1	163.1	142.7	122.3	101.9	89.7
105°	106.0	154.9	212.0	240.5	246.7	242.6	222.2	199.8	171.2	144.7	124.3
107.5°	228.3	297.6	334.3	338.4	332.3	320.0	289.5	258.9	224.2	193.7	165.1
110°	405.7	442.3	442.3	424.0	407.7	393.4	354.7	320.0	281.3	244.6	214.0



TEST NUMBER: P303144

CATALOG NUMBER: CTW-F-5050-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	558.5	552.4	525.9	493.3	475.0	456.6	415.8	379.2	336.3	299.7	263.0
115°	654.3	625.8	593.2	556.5	536.1	513.7	477.0	434.2	389.3	352.7	313.9
117.5°	717.5	684.9	648.2	613.6	593.2	576.9	534.1	485.2	444.4	405.7	366.9
120°	768.5	733.8	699.2	664.5	646.2	627.8	583.0	540.2	493.3	454.6	417.9
122.5°	811.3	778.7	744.0	711.4	693.1	672.7	631.9	589.1	550.4	503.5	468.8
125°	854.1	823.5	786.8	756.3	735.9	713.5	676.8	634.0	595.2	556.5	519.8
127.5°	890.8	860.2	829.7	795.0	774.6	754.2	717.5	676.8	640.1	603.4	568.7
130°	923.4	896.9	864.3	829.7	809.3	790.9	754.2	717.5	682.9	648.2	613.6
132.5°	958.1	927.5	896.9	862.3	843.9	825.6	793.0	758.3	723.7	691.0	658.4
135°	986.6	956.0	923.4	888.8	874.5	858.2	827.6	795.0	762.4	731.8	701.2
137.5°	1013.1	978.5	947.9	915.3	903.0	888.8	858.2	827.6	799.1	770.5	740.0
140°	1033.5	998.8	970.3	941.8	929.5	915.3	884.7	860.2	833.7	805.2	776.7
142.5°	1049.8	1017.2	988.7	964.2	952.0	941.8	913.2	888.8	864.3	837.8	811.3
145°	1064.1	1035.5	1009.0	984.6	976.4	964.2	937.7	917.3	894.9	868.4	843.9
147.5°	1076.3	1051.8	1027.4	1005.0	994.8	984.6	960.1	941.8	919.3	899.0	874.5
150°	1088.5	1066.1	1043.7	1023.3	1015.2	1005.0	980.5	964.2	947.9	927.5	905.1
152.5°	1096.7	1076.3	1055.9	1039.6	1031.5	1023.3	1000.9	988.7	970.3	952.0	931.6
155°	1104.8	1086.5	1068.2	1053.9	1047.8	1039.6	1021.3	1009.0	992.7	974.4	956.0
157.5°	1111.0	1094.7	1078.3	1066.1	1060.0	1053.9	1035.5	1027.4	1013.1	996.8	978.5
160°	1113.0	1098.7	1086.5	1076.3	1070.2	1064.1	1049.8	1041.7	1029.4	1015.2	998.8
162.5°	1113.0	1102.8	1090.6	1084.5	1078.3	1072.2	1060.0	1053.9	1043.7	1031.5	1017.2
165°	1113.0	1104.8	1094.7	1088.5	1084.5	1080.4	1070.2	1064.1	1053.9	1047.8	1033.5
167.5°	1113.0	1104.8	1096.7	1092.6	1088.5	1084.5	1078.3	1074.3	1066.1	1060.0	1047.8
170°	1108.9	1100.8	1096.7	1094.7	1090.6	1088.5	1082.4	1080.4	1074.3	1070.2	1060.0
172.5°	1102.8	1096.7	1094.7	1092.6	1090.6	1088.5	1084.5	1082.4	1078.3	1076.3	1070.2
175°	1094.7	1090.6	1088.5	1088.5	1088.5	1086.5	1082.4	1084.5	1082.4	1082.4	1076.3
177.5°	1082.4	1080.4	1080.4	1080.4	1082.4	1080.4	1080.4	1082.4	1082.4	1084.5	1080.4
180°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3



TEST NUMBER: P303144

CATALOG NUMBER: CTW-F-5050-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1186.4	1182.3	1180.3	1180.3	1178.2	1174.2	1174.2	1176.2	1180.3	1188.4	1182.3
5°	1182.3	1180.3	1174.2	1174.2	1174.2	1172.1	1168.0	1172.1	1178.2	1184.3	1176.2
7.5°	1174.2	1172.1	1168.0	1168.0	1168.0	1164.0	1161.9	1166.0	1170.1	1174.2	1168.0
10°	1164.0	1159.9	1157.8	1155.8	1155.8	1151.7	1149.7	1153.8	1157.8	1161.9	1157.8
12.5°	1149.7	1145.6	1141.5	1141.5	1139.5	1137.5	1135.4	1139.5	1143.6	1147.7	1143.6
15°	1131.3	1127.3	1123.2	1123.2	1123.2	1117.1	1117.1	1119.1	1125.2	1127.3	1121.2
17.5°	1111.0	1104.8	1100.8	1102.8	1100.8	1094.7	1096.7	1096.7	1104.8	1104.8	1100.8
20°	1086.5	1080.4	1078.3	1078.3	1076.3	1072.2	1072.2	1074.3	1080.4	1078.3	1074.3
22.5°	1060.0	1053.9	1053.9	1051.8	1051.8	1045.7	1045.7	1047.8	1053.9	1049.8	1045.7
25°	1031.5	1027.4	1025.3	1025.3	1021.3	1017.2	1017.2	1019.2	1025.3	1019.2	1017.2
27.5°	998.8	996.8	994.8	994.8	990.7	986.6	988.7	988.7	992.7	988.7	984.6
30°	968.3	964.2	962.2	962.2	958.1	952.0	954.0	954.0	960.1	954.0	954.0
32.5°	935.7	929.5	929.5	927.5	923.4	919.3	921.4	923.4	925.5	917.3	919.3
35°	899.0	892.8	892.8	890.8	886.7	884.7	884.7	886.7	886.7	880.6	880.6
37.5°	862.3	858.2	856.2	854.1	850.0	848.0	850.0	852.1	850.0	843.9	843.9
40°	823.5	819.5	815.4	815.4	813.3	811.3	811.3	815.4	811.3	805.2	805.2
42.5°	784.8	780.7	776.7	776.7	774.6	774.6	774.6	776.7	770.5	768.5	764.4
45°	744.0	740.0	735.9	735.9	733.8	733.8	733.8	733.8	729.8	727.7	725.7
47.5°	703.3	699.2	695.1	695.1	693.1	695.1	695.1	693.1	687.0	687.0	684.9
50°	662.5	658.4	654.3	654.3	654.3	654.3	654.3	652.3	648.2	646.2	644.2
52.5°	619.7	615.6	611.5	613.6	611.5	613.6	611.5	609.5	605.4	603.4	601.3
55°	576.9	572.8	570.8	572.8	570.8	570.8	568.7	566.7	562.6	562.6	558.5
57.5°	532.0	525.9	525.9	528.0	525.9	525.9	521.8	519.8	515.7	515.7	511.7
60°	485.2	483.1	483.1	483.1	483.1	481.1	479.0	479.0	475.0	472.9	468.8
62.5°	442.3	442.3	440.3	442.3	438.3	438.3	436.2	434.2	432.2	430.1	428.1
65°	399.5	397.5	397.5	395.5	395.5	395.5	393.4	391.4	389.3	387.3	385.3
67.5°	354.7	354.7	354.7	354.7	352.7	352.7	350.6	348.6	344.5	346.5	342.5
70°	311.9	311.9	311.9	311.9	309.8	309.8	307.8	305.8	301.7	303.7	301.7
72.5°	269.1	269.1	269.1	269.1	267.0	267.0	263.0	263.0	263.0	260.9	258.9
75°	226.3	226.3	226.3	224.2	224.2	224.2	220.2	220.2	220.2	220.2	216.1
77.5°	183.5	185.5	183.5	183.5	181.4	181.4	181.4	179.4	179.4	177.3	175.3
80°	140.7	142.7	142.7	142.7	140.7	140.7	140.7	138.6	136.6	136.6	134.5
82.5°	104.0	101.9	101.9	101.9	99.9	99.9	99.9	97.8	97.8	95.8	93.8
85°	63.2	63.2	63.2	63.2	61.2	61.2	59.1	57.1	57.1	53.0	53.0
87.5°	28.5	26.5	26.5	26.5	26.5	24.5	22.4	20.4	20.4	18.3	18.3
90°	2.0	2.0	4.1	2.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
92.5°	14.3	18.3	20.4	22.4	20.4	22.4	22.4	22.4	20.4	20.4	20.4
95°	24.5	28.5	34.7	36.7	38.7	42.8	44.8	44.8	44.8	42.8	42.8
97.5°	38.7	42.8	44.8	46.9	46.9	53.0	57.1	61.2	65.2	65.2	67.3
100°	59.1	57.1	61.2	65.2	65.2	65.2	67.3	71.3	75.4	77.5	81.5
102.5°	83.6	77.5	77.5	79.5	81.5	87.7	85.6	87.7	89.7	91.7	93.8
105°	112.1	106.0	99.9	99.9	99.9	104.0	110.1	114.2	110.1	110.1	112.1
107.5°	148.8	136.6	126.4	124.3	124.3	122.3	126.4	132.5	136.6	138.6	136.6
110°	189.6	171.2	161.0	150.8	148.8	146.8	146.8	148.8	154.9	161.0	165.1



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CATALOG NUMBER: CTW-F-5050-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	236.5	214.0	195.7	187.5	179.4	171.2	169.2	169.2	171.2	177.3	181.4
115°	285.4	258.9	234.4	224.2	218.1	201.8	193.7	189.6	191.6	193.7	197.7
117.5°	336.3	307.8	279.3	267.0	258.9	240.5	224.2	218.1	214.0	212.0	216.1
120°	387.3	358.8	330.2	313.9	301.7	281.3	263.0	246.7	238.5	234.4	232.4
122.5°	436.2	407.7	379.2	362.8	350.6	324.1	305.8	285.4	271.1	260.9	254.8
125°	485.2	456.6	428.1	411.8	399.5	371.0	348.6	330.2	311.9	295.6	283.3
127.5°	534.1	503.5	475.0	460.7	448.5	417.9	393.4	375.1	356.7	338.4	322.1
130°	583.0	556.5	525.9	507.6	497.4	466.8	442.3	419.9	403.6	385.3	364.9
132.5°	625.8	601.3	572.8	558.5	544.3	513.7	493.3	468.8	450.5	432.2	413.8
135°	670.7	644.2	615.6	603.4	591.2	566.7	542.2	517.8	497.4	479.0	460.7
137.5°	709.4	687.0	658.4	646.2	634.0	611.5	589.1	570.8	550.4	530.0	507.6
140°	748.1	723.7	699.2	687.0	674.7	656.4	634.0	617.7	597.3	581.0	558.5
142.5°	782.8	758.3	737.9	725.7	713.5	695.1	674.7	660.5	644.2	625.8	611.5
145°	817.4	795.0	774.6	762.4	752.2	733.8	713.5	703.3	689.0	670.7	654.3
147.5°	848.0	827.6	807.2	797.0	788.9	770.5	754.2	742.0	729.8	713.5	699.2
150°	878.6	858.2	839.8	831.7	821.5	807.2	793.0	778.7	770.5	754.2	742.0
152.5°	907.1	888.8	870.4	864.3	856.2	839.8	825.6	813.3	807.2	793.0	782.8
155°	935.7	917.3	899.0	894.9	886.7	872.5	858.2	848.0	841.9	827.6	817.4
157.5°	960.1	941.8	927.5	921.4	913.2	901.0	888.8	880.6	876.5	864.3	854.1
160°	982.5	966.2	952.0	945.8	939.7	927.5	919.3	909.2	907.1	896.9	888.8
162.5°	1000.9	986.6	974.4	970.3	964.2	954.0	945.8	935.7	933.6	927.5	919.3
165°	1019.2	1005.0	994.8	990.7	986.6	976.4	970.3	962.2	960.1	956.0	947.9
167.5°	1035.5	1023.3	1013.1	1011.1	1007.0	998.8	994.8	986.6	984.6	982.5	974.4
170°	1047.8	1037.6	1029.4	1027.4	1023.3	1017.2	1013.1	1007.0	1005.0	1007.0	998.8
172.5°	1058.0	1049.8	1043.7	1041.7	1039.6	1035.5	1031.5	1027.4	1025.3	1029.4	1021.3
175°	1068.2	1060.0	1055.9	1053.9	1053.9	1049.8	1047.8	1043.7	1043.7	1047.8	1041.7
177.5°	1074.3	1068.2	1064.1	1064.1	1062.0	1060.0	1060.0	1055.9	1060.0	1064.1	1058.0
180°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3



TEST NUMBER: P303144

CATALOG NUMBER: CTW-F-5050-30L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1186.4	1182.3	1182.3	1180.3	1178.2	1176.2	1176.2	1176.2
5°	1180.3	1178.2	1176.2	1172.1	1172.1	1174.2	1176.2	1176.2
7.5°	1170.1	1170.1	1168.0	1166.0	1164.0	1168.0	1168.0	1170.1
10°	1159.9	1157.8	1155.8	1153.8	1151.7	1153.8	1153.8	1153.8
12.5°	1143.6	1141.5	1139.5	1135.4	1135.4	1137.5	1137.5	1141.5
15°	1125.2	1123.2	1119.1	1119.1	1117.1	1119.1	1119.1	1121.2
17.5°	1102.8	1098.7	1096.7	1094.7	1094.7	1096.7	1096.7	1094.7
20°	1076.3	1072.2	1068.2	1066.1	1066.1	1068.2	1068.2	1072.2
22.5°	1045.7	1041.7	1039.6	1037.6	1037.6	1039.6	1039.6	1041.7
25°	1017.2	1013.1	1011.1	1009.0	1009.0	1009.0	1009.0	1011.1
27.5°	986.6	980.5	976.4	976.4	974.4	974.4	974.4	976.4
30°	949.9	943.8	941.8	941.8	939.7	939.7	939.7	941.8
32.5°	913.2	909.2	907.1	905.1	903.0	905.1	903.0	905.1
35°	876.5	870.4	870.4	870.4	868.4	868.4	866.3	868.4
37.5°	839.8	833.7	831.7	831.7	829.7	829.7	829.7	831.7
40°	801.1	795.0	795.0	793.0	790.9	790.9	790.9	793.0
42.5°	760.3	756.3	754.2	754.2	752.2	752.2	752.2	752.2
45°	719.6	713.5	713.5	715.5	711.4	711.4	711.4	711.4
47.5°	678.8	674.7	674.7	674.7	670.7	670.7	670.7	670.7
50°	638.0	636.0	634.0	634.0	634.0	631.9	631.9	631.9
52.5°	597.3	595.2	593.2	595.2	591.2	591.2	591.2	591.2
55°	554.5	552.4	552.4	554.5	550.4	550.4	548.3	550.4
57.5°	507.6	505.5	505.5	505.5	505.5	503.5	503.5	503.5
60°	466.8	464.8	464.8	464.8	462.7	462.7	462.7	462.7
62.5°	424.0	424.0	424.0	422.0	422.0	419.9	419.9	422.0
65°	383.2	381.2	381.2	381.2	379.2	379.2	377.1	377.1
67.5°	340.4	340.4	340.4	338.4	338.4	336.3	336.3	338.4
70°	299.7	299.7	297.6	297.6	297.6	295.6	295.6	297.6
72.5°	258.9	256.8	256.8	254.8	256.8	252.8	252.8	254.8
75°	216.1	216.1	214.0	214.0	214.0	212.0	212.0	212.0
77.5°	175.3	175.3	173.3	173.3	173.3	171.2	171.2	171.2
80°	134.5	132.5	132.5	132.5	132.5	130.5	128.4	130.5
82.5°	91.7	91.7	91.7	91.7	89.7	87.7	85.6	87.7
85°	53.0	51.0	51.0	53.0	51.0	51.0	51.0	48.9
87.5°	18.3	16.3	16.3	16.3	16.3	18.3	16.3	16.3
90°	4.1	4.1	4.1	6.1	6.1	6.1	6.1	6.1
92.5°	20.4	20.4	18.3	18.3	18.3	18.3	16.3	16.3
95°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
97.5°	67.3	67.3	65.2	65.2	65.2	65.2	65.2	65.2
100°	83.6	85.6	85.6	85.6	87.7	87.7	87.7	87.7
102.5°	97.8	97.8	99.9	99.9	99.9	101.9	101.9	101.9
105°	112.1	114.2	114.2	114.2	116.2	116.2	118.2	118.2
107.5°	134.5	134.5	134.5	134.5	136.6	136.6	136.6	136.6
110°	165.1	165.1	163.1	161.0	161.0	161.0	159.0	159.0



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
112.5°	185.5	189.6	189.6	191.6	193.7	193.7	193.7	193.7
115°	201.8	205.9	207.9	210.0	212.0	212.0	214.0	214.0
117.5°	218.1	220.2	222.2	224.2	226.3	228.3	228.3	230.3
120°	234.4	236.5	238.5	238.5	240.5	242.6	242.6	242.6
122.5°	252.8	254.8	252.8	252.8	254.8	254.8	254.8	256.8
125°	277.2	275.2	273.2	273.2	271.1	271.1	271.1	271.1
127.5°	309.8	305.8	301.7	297.6	295.6	293.5	291.5	291.5
130°	350.6	342.5	336.3	332.3	328.2	324.1	320.0	320.0
132.5°	397.5	387.3	381.2	375.1	369.0	362.8	356.7	358.8
135°	446.4	438.3	430.1	424.0	415.8	407.7	403.6	403.6
137.5°	493.3	483.1	477.0	472.9	466.8	458.7	452.5	454.6
140°	546.3	528.0	523.9	519.8	513.7	505.5	501.5	501.5
142.5°	593.2	578.9	574.8	572.8	564.7	556.5	552.4	554.5
145°	640.1	625.8	623.8	619.7	613.6	605.4	601.3	601.3
147.5°	684.9	672.7	670.7	666.6	660.5	652.3	648.2	648.2
150°	729.8	717.5	713.5	711.4	705.3	697.2	693.1	695.1
152.5°	770.5	758.3	756.3	754.2	746.1	742.0	737.9	740.0
155°	809.3	797.0	795.0	793.0	788.9	782.8	780.7	782.8
157.5°	846.0	835.8	833.7	831.7	827.6	821.5	819.5	823.5
160°	880.6	872.5	870.4	868.4	866.3	862.3	858.2	860.2
162.5°	913.2	905.1	905.1	903.0	901.0	896.9	894.9	896.9
165°	943.8	937.7	935.7	933.6	931.6	929.5	927.5	925.5
167.5°	972.3	964.2	964.2	960.1	960.1	958.1	956.0	956.0
170°	996.8	990.7	990.7	986.6	986.6	984.6	982.5	982.5
172.5°	1019.2	1015.2	1013.1	1013.1	1013.1	1011.1	1009.0	1009.0
175°	1041.7	1037.6	1035.5	1033.5	1033.5	1031.5	1029.4	1031.5
177.5°	1060.0	1058.0	1055.9	1053.9	1053.9	1049.8	1047.8	1045.7
180°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3

(END OF REPORT)